00003 Advanced Aircraft Accident Investigation

Training Manager: DTI-20 Course Length: 24 hour(s)

This refresher course in new technologies and recurrent training is for FAA personnel responsible for participation in or support of investigations of aircraft accidents and incidents. The purpose of the course is to bring new systems and advanced technology to the attention of journey-level inspectors and engineers. New investigation techniques and procedures will be studied and existing policy will be reviewed.

Prerequisites: None
And one of the following: None

00007 Rotorcraft Accident Investigation

Training Manager: DTI-20 Course Length: 64 hour(s)

This course is for FAA flight standards personnel responsible for investigation of helicopter accidents. This hardware-oriented rotocraft course teaches airworthiness and operational problems uncovered during accident investigations. The material is designed to meet the technical needs of flight standards inspectors and engineering personnel investigating helicopter accidents and incidents. Students do not have to be rotocraft qualified to attend. The course is conducted at the Bell Helicopter Training and Development Center, South Norwood and Trinity Boulevard, Hurst, Texas.

Prerequisites: None
And one of the following: None

00008 Human Factors in Aircraft Accident Investigation

Training Manager: DTI-20 Course Length: 24 hour(s)

This course examines aircraft accidents/incidents from the standpoint of human error. Nearly all accidents involve human error and/or omission. The human element is examined for direct and contributing factors in recent investigations. Human performance in flight operations, aircraft maintenance, air traffic control, government regulators, corporate executives, Part 121, 135, and 91 operator's decisions are scrutinized for cause factors. This course is the behavior and judgement portion of investigator's training leading to journeyman investigator status. The course is open to all career fields in the FAA.

Prerequisites: None
And one of the following: None

00027 Turbine Engine Accident Investigation

Training Manager: DTI-20 Course Length: 25 hour(s)

This course covers basic turbine engine accident investigation techniques of civil and public general aviation and air carrier accident field investigations. Accident speciality portion of an inspector's fixed/rotory wing accident investigation training. Contains design, operation, and construction features of turbojet, turbofan, turboprop, and turboshaft engines utilized in both fixed and rotory wing aircraft. Also, contains failure modes and mechanisms of turbine engine components; fan, compressor, combustion chamber, turbine, exhaust, shafts, bearings, gears, and accessories.

Prerequisites: 00035
And one of the following: None

00029 Media Relations in Aircraft Accident Investigation

Training Manager: DTI-20 Course Length: 7 hour(s)

This course covers news media representatives responses to civil and public general aviation and air carrier accident field investigations. The course explains the National Transportation Safety Board (NTSB) and Federal Aviation Administration (FAA) roles at the accident site, rules and regulations, investigation methodology, government media instructions, and lessons learned from actual case studies.

Prerequisites: None
And one of the following: None

00035 Basic Aircraft Accident Investigation

Training Manager: DTI-20 Course Length: 64 hour(s)

This course covers fundamental aspects of civil and public general aviation and air carrier aircraft field investigations. It forms the investigation management portion of an inspector's fixed-wing accident investigation training. The course contains an introduction to structures, metallurgy, powerplants, systems, operations, airworthiness, crashworthiness, fire, composites, bogus parts, photography, interviewing, investigator safety, bloodborne pathogens, and medical aspects of aircraft accident investigations. Follow-on training includes courses 00007, 00008, and 00003.

Prerequisites: None
And one of the following: None

00036 Amateur-Built Designated Airworthiness Representative

Training Manager: DTI-20 Course Length: 24 hour(s)

This course is designed to supplement FAA/AFS-600 standardization and certification of amateur-built designated airworthiness representatives (DAR). It will ensure amateur-built DAR's have the proper understanding of FAA expectations, policy, procedures, forms, and records as they relate to amateur-built aircarft. The target audience is individuals just becomming acquainted with amateur-built aircraft as well as those having extensive experience in these types of specialized aircraft.

Prerequisites: None
And one of the following: None

00038 Aviation Safety Officer/Manager Course

Training Manager: DTI-20 Course Length: 24 hour(s)

This course is designed to meet the needs of U.S. Government agencies, including military services which operate aircraft or have aviation program management responsibilities. Recommended attendees include aviation safety officers, collateral-duty safety officers, senior-level managers with aviation management responsibilities, and foreign government agencies or air carriers. The course provides attendees the information required to implement sound aviation safety programs. The training includes aviation risk management, accident/incident prevention programs, safety awards programs, flight-line safety, hazard reporting, and aviation education and training.

Prerequisites: None
And one of the following: None

00050 Introduction to Flight Procedures (AVN)

Training Manager: DTI-20 Course Length: 120 hour(s)

This course is for personnel conducting procedures development or needing related knowledge to accomplish ancillary tasks associated with en route and terminal flight procedures analysis. Information is presented relative to procedure segments, obstacle clearance, airspace, descent gradients, and the related documentation. The course is presented through classroom instruction and practical laboratory exercises. It is especially valuable to air traffic, state aviation departments, aviation industry, and personnel handling the flight information products.

Prerequisites: None
And one of the following: None

00051 Airspace Systems Inspection Pilot/Tech - International

Training Manager: DTI-20 Course Length: 168 hour(s)

This course is designed for airspace system inspection pilots and airborne technicians. It includes basic procedures as outlined in the U.S. Standard Flight Inspection Manual for the airborne checking of navigational aids.

Prerequisites: None
And one of the following: None

00054 Instrument En Route and Approach Development (International)

Training Manager: DTI-20 Course Length: 200 hour(s)

This course acquaints international participants with the development criteria for airways and instrument approaches as prescribed by FAA Handbooks 8260.3 and 8260.19. It consists of classroom presentation of the criteria followed by lab exercises where the student will learn the application of this criteria. This reinforces learning and retention. Airspace matters are studied from the floor of controlled airspace of airways to establishing classes of airspace, its relationship to procedures development, and transition areas for arriving and departing aircraft. Students must have the ability to read, speak, and understand the English language.

Prerequisites: None
And one of the following: None

00055 Area Navigation (RNAV) Approach Construction (Automated)

Training Manager: DTI-20 Course Length: 80 hour(s)

This course is designed for those specialists with an understanding of procedure development and a working knowledge of the automation (IAPA) system. This course will enhance the specialist's knowledge and understanding of criteria application as related to RNAV development using FAA Order 8260.48, Area Navigation (RNAV) approach construction criteria. Training will consist of classroom instruction on applicable criteria and laboratory exercises using IAPA for procedure development.

Prerequisites: 00050, 12052
And one of the following: 12052

00056 Instrument Approach Procedures Automation (IAPA)

Training Manager: DTI-20 Course Length: 56 hour(s)

This course is for students familiar with the manual application of TERPS and have a need to apply that criteria using the IAPA system. The training consists of 24 hours classroom and 32 hours of laboratory instruction. Skills acquired will enable students to develop and store selected approach procedures, review existing procedures, and perform ancillary tasks on IAPA system equipment.

Prerequisites: None
And one of the following: 21612, 00050

00058 Qualification Airspace System Inspection Pilot/Tech

Training Manager: DTI-20 Course Length: 160 hour(s)

This course provides formal training to pilots and technicians who are assigned duties associated with flight inspection of navigational aids. It includes procedures as outlined in the U.S. Standards Flight Inspection Manual for the Airborne Checks of Navigational Aids. Also,

it includes flight procedures when subject aids are used for en route and terminal applications.

Prerequisites: None
And one of the following: None

00059 Area Navigation (RNAV) Approach Construction (Manual)

Training Manager: DTI-20 Course Length: 80 hour(s)

This course is designed for those specialists with an understanding of procedure development. This course will enhance their knowledge and understanding of criteria application as related to RNAV development using FAA Order 8260.48, Area Navigation (RNAV) Approach Construction criteria. Training will consist of classroom instruction on applicable criteria and laboratory exercises using manual techniques for procedure development.

Prerequisites: 00050
And one of the following: None

00061 Area Navigation (RNAV) Construction Approach (International)

Training Manager: DTI-20 Course Length: 104 hour(s)

This course will enhance the knowledge and understanding of criteria application as related to RNAV development using FAA Order 8260.50, LPV Approach Procedures Construction Criteria, FAA Order 8260.3B, Volume 3, Precision Approach (PA) and Barometric Vertical Navigation (BARO VNAV) Approach Procedure Cconstruction and FAA Order 8260.3A, Civil Uutilization of Global Positioning System (GPS). Training consists of classroom instruction and laboratory exercises using manual development techniques. It is highly recommended that attendees have an extensive knowledge of instrument procedures or have attended a basic TERPS training course.

Prerequisites: None
And one of the following: None

00070 Overview of Flight Procedures Development

Training Manager: DTI-20 Course Length: 40 hour(s)

This course is designed as an overview for managers and other individuals or agencies that require a basic working knowledge of en route and terminal flight procedures development. This training will familiarize the individual in the areas of instrument procedure development, but does not train or require the individual to demonstrate actual procedures development capability. Course subject modules can be customized to meet the individual agency needs and requirements.

Prerequisites: None
And one of the following: None

00071 Internal Evaluation Program (IEP) for Managers

Training Manager: DTI-20 Course Length: 8 hour(s)

This course is designed to provide managers at all levels with a systems approach to designing and implementing an internal evaluation program (IEP) within their organization. Course includes basic principles and purpose of an IEP; how to document, appraise, and report on the effectiveness of systems, programs, and procedures; and corrective action measures that lead to comprehensive fixes.

Prerequisites: None
And one of the following: None

00072 Internal Evaluation Program (IEP) for Evaluators

Training Manager: DTI-20 Course Length: 16 hour(s)

This course is designed to train participants to serve as IEP evaluators. IEP is intended to monitor how well company procedures are complying with directive and regulatory standards, achieving company goals, and effectively managing resources. It outlines a step-by-step methodology for preparing for, conducting, and reporting results of evaluation findings using objective evidence. Training will consist of classroom instruction, workshops, and mock-evaluation problem.

Prerequisites: None
And one of the following: None

00073 Recurrent Internal Evaluation Program (IEP) for Evaluators

Training Manager: DTI-20 Course Length: 8 hour(s)

This course is designed as a required yearly recurrent course for IEP evaluators who have taken the basic IEP course. It is intended to keep the individuals responsible for conducting internal evaluations current on applicable directives and the latest developments/improvements in the IEP community. It will also be a refresher of evaluation procedures and processes. Course consists of classroom and practical exercises.

Prerequisites: 00072
And one of the following: None

00080 Introduction to Aeronautical Charts (NACO) (AVN)

Training Manager: DTI-20 Course Length: 40 hour(s)

Designed for aviation system standards, airports, air traffic, and airway facilities personnel involved with the design, update, and modification of the National Airspace System (NAS). The major focus is limited to basic understanding and use of the NAS, visual aeronautical chart systems, instrument en route chart systems and and the terminal procedure publications. It fulfills a chart-orientation training requirement providing comprehensive knowledge for individuals involved in both information products depicting the NAS and the compilation, use, and distribution of aeronautical charts.

Prerequisites: None
And one of the following: None

00100 AF Responsibilities in Response to Aircraft Accidents

Training Manager: DTI-20 Course Length: 24 hour(s)

This training will increase NAS management knowledge by covering topics in the General Maintenance Handbook for airway facilities. Students will increase their knowledge of the fundamentals of flight, air traffic systems, and how they relate to the NAS. Using order 8020.11B, section 4, students will be able to establish a corporate approach to airway facilities involvement in aircraft accident investigation. Students will review new policies covering service management, systems thinking, and management.

Prerequisites: None
And one of the following: None

00104 Transportation of Hazardous Materials Shippers' Course

Training Manager: DTI-30 Course Length: 32 hour(s)

This is the basic course for shipping hazardous materials and is conducted for FAA Logistics Center Personnel and other personnel having shipping responsibilities. It provides the requirements for shipping hazardous materials by all modes of transportation. The course includes classification, packaging, marking, and shipping paper requirements.

Prerequisites: None
And one of the following: None

00379 Aircraft Cabin Safety Investigation

Training Manager: DTI-20 Course Length: 16 hour(s)

This course examines the FAA, NTSB, and industry participation in an aircraft accident investigation. Areas to be covered include party status in a NTSB investigation, what to look for in a cabin safety investigation, and how to document wreckage and injuries found at the scene. Hands-on exercises using a Boeing 747 aircraft will be included in the final portion of the class.

Prerequisites: None
And one of the following: None

00498 Experimental Aircraft Accident Investigation

Training Manager: DTI-20 Course Length: 32 hour(s)

This course covers (in detail) the certification and construction standards to be used in amateur-built aircraft. Specific areas of instructional emphasis will include the all-metal aircraft, the composite aircraft, the tubular frame and fabric aircraft, and experimental engines and propellers. This course is for FAA flight standards inspectors, National Transportation Safety Board investigators, and flight standards investigators.

Prerequisites: 00035
And one of the following: None

00506 Global Survival

Training Manager: AVN-220 Course Length: 24 hour(s)

This course is presented by the Airman Education Programs Branch of the Civil Aeromedical Institute (CAMI), and it is required by Order 4040.9C, FAA Aircraft Management Programs for the Office of Aviation System Standards (AVN) flight crew members. This program is designed to assist AVN flight crew members to survive in water, desert, or arctic situations through knowledge and hands-on experience with survival equipment. The following subjects are included: the will to survive; search and rescue; survival kits and rafts; hot land, arctic, and water survival; building solar stills; ditching; first aid and CPR; cold chamber and water exercises; and aircraft escape.

Prerequisites: None
And one of the following: None

00507 Physiological Training

Training Manager: AVN-220 Course Length: 8 hour(s)

This course is presented by the Airman Education Programs Branch of the Civil Aeromedical Institute (CAMI). It is required by Order 4040.9C, FAA Aircraft Management Programs for flight crew members and technicians. An altitude chamber flight is used to acquaint the trainees with symptoms of hypoxia and to practice pressure breathing. An altitude chamber to 25,000 feet and rapid decompression from 8,000 to 18,000 feet in 5 seconds is included. Also included are physics of the atmosphere, respiration and circulation, trapped and evolved gases, hyperventilation oxygen equipment, and self-imposed stresses.

Prerequisites: None
And one of the following: None

00508 Substance Abuse Orientation for Health Care Professionals

Training Manager: AAM-120 Course Length: 80 hour(s)

This course is designed to assist health care professionals by enhancing the role of medical professionals in the substance abuse rehabilitation network. Trainees are immersed in the inpatient milieu of patients recovering from alcoholism, other drug dependencies, and compulsive overeating. They participate in group therapy sessions, and may accompany patients to nightly self-help groups such as Alcoholics Anonymous. Didactic sessions, films, and panel discussions deal with the clinical aspects of early diagnosis, intervention, detoxification, and referral of alcoholics. Compulsive disorders such as anxiety, overeating and gambling are addressed.

Prerequisites: None
And one of the following: None

00511 Clinical Medicine

Training Manager: AAM-120 Course Length: 38 hour(s)

This course is designed for physicians primarily interested in internal medicine. The topics deal with recent and significant advances in areas of general clinical interest. They are related to the diagnosis and management of disease and, when possible, are illustrated by clinical demonstrations. There are short discussions of specific disease problems and frequent symposia devoted to important, broad areas of clinical medicine. Patients are presented to illustrate important aspects of the history. Meetings-with-the-professor sessions are held on three mornings. Medical grand rounds are also part of the program.

Prerequisites: None
And one of the following: None

00513 Psychiatry

Training Manager: AAM-120 Course Length: 50 hour(s)

This course consists of an intensive review of the core areas of psychiatry and neurology. It provides practitioners an avenue to update themselves in general psychiatry. The course includes demonstration interviews with live and/or simulated patients; offers sessions for practitioners devoted to recent advances in psychopharmacology and the psychotherapies; and provides opportunities to discuss clinical cases with experts in these areas.

Prerequisites: None
And one of the following: None

00514 Aerospace Pathology and Accident Investigation

Training Manager: AAM-120 Course Length: 24 hour(s)

This course is offered at the Armed Forces Institute of Pathology. It is designed for flight surgeons, residents in aerospace medicine, pathologists, and other accident investigators who need specialized instruction in those aspects of pathology concerned with aerospace vehicle accident investigation. Course topics include pre-accident planning, operational correlations, identification procedures, crashworthiness, survivability, and human tolerances.

Prerequisites: None
And one of the following: None

00517 Industrial Hygiene Professional Development

Training Manager: AAM-120 Course Length: 32 hour(s)

This training will cover current topics in industrial hygiene. Some of these topics are: future technologies--their impact on occupational health; regulatory outlooks for lead and fibers; ergonomics--a practical approach; RCRA hazardous waste management; and health and safety considerations in the development of potent drugs in the pharmaceutical industry.

Prerequisites: None
And one of the following: None

00519 Primary Aerospace Medicine I

Training Manager: AAM-120 Course Length: 104 hour(s)

Trains medical officers to perform the duties of flight surgeons. This increment concentrates on the delineation of the role of the flight surgeon, provides instruction in aerospace physiology, hyperbaric medicine, and aircraft accident investigation.

Prerequisites: None
And one of the following: None

00520 Primary Aerospace Medicine 2

Training Manager: AAM-120 Course Length: 80 hour(s)

Trains medical officers to perform the duties of flight surgeons. This increment provides instruction in preventive and occupational medicine, epidemiology, aerospace otolaryngology, audiology, and aeronautics.

Prerequisites: None
And one of the following: None

00521 Primary Aerospace Medicine 3

Training Manager: AAM-120 Course Length: 96 hour(s)

This course will train medical officers to perform the duties of flight surgeons. This increment includes disaster response, psychiatric, administrative, and internal medicine topics, culminating in 1 week of survival training.

Prerequisites: None
And one of the following: None

00522 Operational Aeromedical Problems

Training Manager: AAM-120 Course Length: 40 hour(s)

This course orients flight surgeons to current operational aeromedical problems and describes recent advances in the clinical, management, environmental, and research areas of aerospace medicine. Flight surgeons who have attended the aerospace medicine primary course in the last 2 years or this course in the 3 years are not eligible.

Prerequisites: None
And one of the following: None

00523 Operational Problems in Aerospace Physiology

Training Manager: AAM-120 Course Length: 40 hour(s)

This course familiarizes students with innovations and developments in aerospace physiology. It reviews problems encountered in teaching and proposes more effective training programs. It also facilitates coordination between physiological training personnel and other facilities involved in physiological training.

Prerequisites: None
And one of the following: None

00524 Basic Aviation Medical Examiner Seminar

Training Manager: AAM-120 Course Length: 39 hour(s)

This is a 39 hour course which provides new FAA physicians and aviation medical examiners with the fundamentals of job elements required for certifying airmen as mentally and physically fit to fly. This course uses lecture, demonstrations, case studies, and clinical sessions to teach medical specialty subjects related to aviation safety and the administration of the aeromedical certification process.

Prerequisites: None
And one of the following: None

00525 Advanced Aviation Medical Examiner Seminar

Training Manager: AAM-120 Course Length: 26 hour(s)

This is a 26 hour course of instruction which utilizes lecture, demonstration, role play, clinical sessions, case studies, and expert panels to teach the latest in clinical techniques, airman examination techniques, and procedures related to the duties of the FAA physician and aviation medical examiner.

Prerequisites: None
And one of the following: None

00526 Advances in Occupational and Environmental Medicine

Training Manager: AAM-120 Course Length: 40 hour(s)

This course introduces the major problem areas of occupational and environmental medicine in regard to their potential impact on workers and public health. Topics in clinical toxicology, epidemiology, industrial safety and hygiene, environmental medicine, and public health are covered.

Prerequisites: None
And one of the following: None

00527 Primary Care Internal Medicine

Training Manager: AAM-120 Course Length: 40 hour(s)

Selected themes in primary care practice are subjects for core lectures at the beginning of each day. These themes will then be illustrated with specific clinical examples presented in the mornings as case studies. Workshops will be offered every afternoon. Each workshop session will explore clinical practice decisions in a series of carefully selected problem cases. Each day will also include a concise series of medical topic lectures.

Prerequisites: None
And one of the following: None

00529 Emergency Medicine

Training Manager: AAM-120 Course Length: 32 hour(s)

This course is applicable to primary care and emergency physicians. It focuses on cardiac emergencies and includes a comprehensive review and update of electrocardiography and the clinical pharmacology of cardiac medications.

Prerequisites: None
And one of the following: None

00530 Family Practice and Primary Care Review

Training Manager: AAM-120 Course Length: 50 hour(s)

This program provides a week of intensive study to review and update general knowledge of primary care medicine. Topics have been selected on the basis of their broad interest and the areas where medical knowledge is expanding rapidly. Forty-minute lectures are arranged by medical topic and include a question/answer session after each presentation. Concurrent workshops offer a wide selection of topics from which to choose.

Prerequisites: None
And one of the following: None

00531 Ophthalmology

Training Manager: AAM-120 Course Length: 20 hour(s)

This course is designed for the ophthalmologist in clinical practice, with particular emphasis on an up-to-date review of the medical and surgical management of selected topics. The objective of the course is to provide a better understanding of refractive corneal surgery (RK, excimer laser, and epigraft), cataracts, phacoemulsification, IOL's, penetrating keratoplasty, external ocular diseases, corneal diseases, glaucoma, strabismus, uveitis, macular diseases, retinal diseases, retinal vascular disorders, vitreo-retinal surgery, lasers, ultrasound, and other recent developments.

Prerequisites: None
And one of the following: None

00532 Intensive Review of Neurology

Training Manager: AAM-120 Course Length: 52 hour(s)

Neurology is one of the most rapidly changing fields of clinical medicine. Because of advances in the basic neurosciences and the development of new imaging and other diagnostic studies, modern clinical neurology has undergone a metamorphosis. The objective of this intensive course is to provide the participant with a comprehensive view of the many facets of the new clinical neurology.

Prerequisites: None
And one of the following: None

00533 Neurology for Non-Neurologists

Training Manager: AAM-120 Course Length: 15 hour(s)

The objective of this course is to improve participants' ability to recognize the major neurological diseases and manage commonly encountered neurological problems. It consists of practical comprehensive coverage of the major topics in neurology which are faced by non-neurologists in practice. The course is suitable for board review in many specialties, particularly in psychiatry and internal medicine.

Prerequisites: None
And one of the following: None

00539 Addiction Orientation for Health Care

Training Manager: AAM-120 Course Length: 80 hour(s)

The goal of the course is to provide health care professionals with the information they need to recognize, screen for, and recommend appropriate treatment for alcoholism and other addictions. The first week of the course consists of lecture and discussion. Some of the topics included are understanding the basic concept of the disease model of alcoholism and identifying the signs and symptoms of the early, middle, and late stages of alcoholism. The second week is experimental, and provides participants the opportunity to work in various parts of the treatment program.

Prerequisites: None
And one of the following: None

00544 Advances in Occupational Health for Nurses

Training Manager: AAM-120 Course Length: 40 hour(s)

This course is designed for nurses. It will focus on basic and advanced clinical practice issues, addressing the concerns of special practice groups and practical guidance on the multitude of compliance issues facing today's practioners.

Prerequisites: None
And one of the following: None

00545 Medical Accident Investigation

Training Manager: AAM-120 Course Length: 40 hour(s)

This course is designed for AAM Physicians. It will train them to become medical accident investigators (MAI's). Course content includes organization and training of accident response personnel, conduct of the investigation, analysis and dissemination of the findings, and incorporation of investigation results into research and design to improve aviation safety.

Prerequisites: None
And one of the following: None

00547 Annual Comprehensive Occupational Health Nursing

Training Manager: AAM-120 Course Length: 40 hour(s)

This course is designed to provide a comprehensive review of the basic principles and theories of occupational health nursing and to update knowledge of occupational health legislation and nursing standards. It focuses on the nurse's role in the occupational health team and on the application of theory to daily nursing practice.

Prerequisites: None
And one of the following: None

00550 Specialty Review in Infectious Disease

Training Manager: AAM-120 Course Length: 40 hour(s)

Reviews and updates the area of infectious diseases. Some of the topics addressed are: retroviral infections and antiviral

chemotherapy; hepatitis; diagnostic microbiology; white blood cell abnormalities and immune deficiencies; tuberculosis; and endocarditis.

Prerequisites: None
And one of the following: None

00551 Preventive Medicine Review

Training Manager: AAM-120 Course Length: 40 hour(s)

This course reviews and updates the area of preventive medicine. At the conclusion of this course, participants will be able to understand and apply the fundamental principles and concepts of biostatistics and epidemiology to the practice of preventive medicine, identify gaps in personal knowledge, and understand and apply the methods and content of preventive medicine.

Prerequisites: None
And one of the following: None

00553 Alcohol Testing Education (IDL)

Training Manager: AAM-120 Course Length: 5 hour(s)

This interactive distance learning (IDL) course will educate supervisors/managers about their role in the FAA's alcohol testing program. It will provide an overview of alcohol testing regulations and review the responsibilities of site coordinators. Topics covered include how to work a random alcohol test list, the alcohol testing process, and policy and guidance on reasonable suspicion testing. A panel of experts will answer participants' questions.

Prerequisites: None
And one of the following: None

00554 DOT Drug and Alcohol Awareness Training

Training Manager: AAM-120 Course Length: 2 hour(s)

This interactive workbook and videotape course fulfills the mandatory DOT Drug and Alcohol Awareness Training for supervisors. It summarizes congressional mandates for a drug-free transportation industry, describes FAA's policy on drug and alcohol use in the workplaces, drug and alcohol testing processes and procedures, and identifies criteria for violations of the regulations, etc. The course also provides information on FAA's Employee Assistance Program (EAP) and describes the roles of employees and supervisors in the DOT drug and alcohol-free program.

Prerequisites: None
And one of the following: None

00555 Physical Assessment for Occupational Health Nurses

Training Manager: AAM-120 Course Length: 36 hour(s)

This course is designed to provide occupational health nurses with skills needed to conduct screening physical examinations. nurses attending this course will refine their ability to distinguish normal from abnormal findings and gain increased confidence in their ability to refer workers for appropriate further evaluation and treatment. Content includes the following subjects; head, ears, eyes, nose, throat, breast, chest and lungs, cardiac and peripheral vascular systems, abdomen, full day on musculoskeletal system, and neurological system.

Prerequisites: None
And one of the following: None

00556 FAA Drug Abatement Program Random Testing Training

Training Manager: AAM-120 Course Length: 4 hour(s)

This training reviews the FAA rules on random testing, basic concepts of random sampling, sources of bias that tend to undermine random testing programs, and the kinds of questions that should be asked to gain insights into a company's drug testing procedures. Each topic provides instruction and illustrative examples, followed by drill and practice questions. After mastering the material, trainees move on to complete four interactive exercises that use realistic, integrated scenarios to test their knowledge and ability to acquire and interpret inspection data.

Prerequisites: None
And one of the following: None

00558 Order 21530.3A, Compliance and Enforcement Training

Training Manager: AAM-120 Course Length: 64 hour(s)

The objective of this course is to teach personnel with direct enforcement duties the policies, regulations, documentation, and procedures required to satisfy the agency's Compliance and Enforcement responsibilities. This course is essential for newly hired employees of the drug abatement division to conduct inspections and/or investigations. This course teaches all violations and how to use the appropriate procedures to write and report the investigations. It is necessary to pass the course to receive FAA inspector's credentials. When writing the enforcement investigation report, it is essential to develop who did what and why an action constituted a violation.

Prerequisites: None
And one of the following: None

01000 (CBI) Orientation to the FAA -- a Self-Directed Guide

Training Manager: AHR-16 Course Length: 8 hour(s)

This course is an overview of the history, functions, culture and values of the FAA. It explores who we are and what we do. It is useful both for new agency employees and those moving into new functions within the agency.

Prerequisites: None
And one of the following: None

01001 (CBI) Emergency Readiness for the 21st Century

Training Manager: AMA-530 Course Length: 2 hour(s)

This course is designed to help FAA employees to understand the role of the FAA, its managers, and employees during a local or national crisis. The course presents information on the FAA's emergency readiness program and on preparing for and responding to natural disasters, technological emergencies, and security threats. The course is comprised of 2 hours mandatory and 4 hours supplemental training material. The supplemental training material may be accessed at: http://inet.atctraining.FAA.gov. Then click on 'course materials'

Prerequisites: None
And one of the following: None

01002 (CBI) Building a Model Work Environment

Training Manager: AHR-16 Course Length: 4 hour(s)

An overview course designed for FAA managers and supervisors that introduces the characteristics, value, and meaning of model work environment (MWE) and its relationship to organizational effectiveness. The course consists of four modules: 1) organizational effectiveness and the MWE vision; 2) equal employment opportunity (EEO) and affirmative action practices; 3) prevention of sexual harassment; 4) FAA management practices. Upon completion, managers will be able to adopt workplace practices that are consistent with the principles of MWE, EEO, affirmative action, and organizational effectiveness.

Prerequisites: None
And one of the following: None

01003 (CBI) DLS - Labor Statutes, Laws and Contracts

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills presents provisions of federal labor laws and negotiated agreements common to workplace issues. Supervisors will review and resolve real world problems by identifying and applying federal labor laws and negotiated agreements.

Prerequisites: None
And one of the following: None

01004 (CBI) DLS - Management Rights and Responsibilities

Training Manager: AHR-16 Course Length: 2 hour(s)

Management's rights and responsibilities as defined by federal law and negotiated agreement are described in this module of developing leadership skills. Special emphasis is placed on title V USC Section 7106 of the Federal Service Labor Management Relations statute which determines mandatory, permissive, and prohibited topics for negotiation.

Prerequisites: None
And one of the following: None

01005 (CBI) DLS - Grievances Unfair Labor Practices

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills includes real world scenarois that include issues that typically result in grievances and ULP's, how to resolve issues at the lowest level, and information on the formal grievance and ULP processes.

Prerequisites: None
And one of the following: None

01006 (CBI) DLS - Participative Management

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills covers partnership and participative management, and describes how these management styles can be incorporated in the first line supervisors management style. Specific emphasis is placed on Executive Order 12871, management's non-negotiable operational responsibilities, and the importance of establishing trust, open communications, and a cooperative work environment.

Prerequisites: None
And one of the following: None

01007 (CBI) DLS - Supervisory Notes

Training Manager: AHR-16 Course Length: 2 hour(s)

In this module of developing leadership skills supervisors will learn the difference between supervisory notes and agency records, appropriate and inappropriate notes, and the importance of supervisory notes as memory joggers. Supervisors will get the opportunity to take notes during the lesson and use the notes to resolve real world issues.

Prerequisites: None
And one of the following: None

01008 (CBI) DLS Using EAP Resources

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of Developing Leadership Skills covers the Employee Assistance Program (EAP), services they offer and procedures for using EAP. Special emphasis is placed on the leader's responsiblity for making formal and informal referrals, and how leaders can use the EAP process to assist employees resolve personal problems.

Prerequisites: None
And one of the following: None

01009 (CBI) DLS - Leave Administration

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills covers the rules and regulations of the Family and Medical Leave Act, Family Friendly Leave Act, leave without pay, and other leave categories. This module contains a reference of the specific requirements for each type of leave.

Prerequisites: None
And one of the following: None

01010 (CBI) DLS - Stress and Trauma Management

Training Manager: AHR-16 Course Length: 2 hour(s)

How do supervisors manage stress and trauma in the workplace is the main topic of this module of developing leadership skills. Leaders are given the opportunity to learn about positive and negative stress and trauma. In addition to symptoms and sources of stress, strategies, and resources available for managing stress are included.

Prerequisites: None
And one of the following: None

01011 (CBI) DLS Interpersonal Skills

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of Developing Leadership Skill presents techniques to enhance interpersonal skills. These techniques include: active listening, feedback, assertion, consistent interactions, and conflict resolution. Leaders will observe real-world scenarios and identify effective and ineffective interpersonal skills.

Prerequisites: None
And one of the following: None

01012 (CBI) DLS - Organization of Work

Training Manager: AHR-16 Course Length: 2 hour(s)

In this module of developing leadership skills, leaders will learn several strategies for prioritizing and scheduling operational and administrative duties. Special emphasis is placed on identifying common time wasters and components of effective time management.

Prerequisites: None
And one of the following: None

01013 Information Availability & Analysis (IAA) Executive Session

Training Manager: AHR-16 Course Length: 2 hour(s)

Abbreviated version of IAA for managers, including high-level overview of C/PM, CAS, and LDR content, including definitions, links, benefits; how to generate, access and read CAS and CAS labor reports; how CAS and LDR data reports can be used to identify issues, make decisions and improve performance. Also includes review of topics, scenarios, and discussion from all manager course offerings within LOB/staff office, as well as interactive case study featuring LOB/staff office specific cost data, issues, scenarios, and reports.

Prerequisites: None
And one of the following: None

01015 (CBI) Reasonable Suspicion Training for Managers and Supvrs

Training Manager: AHR-16 Course Length: 4 hour(s)

This course is designed to provide training and skills application for a higher comfort level so managers and supervisors can make reasonable suspicion determinations for drug use and alcohol abuse. The course presents the applicable regulations and explains them in detail. The course takes the student step-by-step through the entire process of making reasonable suspicion determinations, provides downloadable required notification letters and has all of the required reference documents in the CD ROM. In addition, there is a video portion that presents typical situations for the student to use their skills to make decisions and then provide the correct determinations.

Prerequisites: None
And one of the following: None

01016 (CBI) DLS Union and Employee Rights and Responsibilities

Training Manager: AHR-16 Course Length: 2 hour(s)

In this module of developing leadership skills supervisors will apply the requirements of collective bargaining unit agreements as they relate to union and employee rights and responsibilities. Leaders will learn about management's obligation to bargain, formal meetings, and Weingarten situations.

Prerequisites: None
And one of the following: None

01017 (CBI) DLS - The Collective Bargaining Process

Training Manager: AHR-16 Course Length: 2 hour(s)

The objective of this module of developing leadership skills is to give leaders a better understanding of the bargaining process. Some of the bargaining topics covered include: impact and implementation, substance, interest-based, and positional bargaining.

Prerequisites: None
And one of the following: None

01018 (CBI) DLS - MOU's, Facility Directives, and Past Practices

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills identifies what are appropriate topics for local MOU's and facility directives, what is a past practice, and how leaders resolve problems associated with MOU's, facility directives and past practices. Leaders will use federal statues to determine if issues should be negotiated based on substance, impact and implementation, or management rights preclude negotiation.

Prerequisites: None
And one of the following: None

01019 (CBI) DLS - Conduct and Discipline

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills allows leaders to resolve real work issues by applying the human resource policy manual and other FAA directives, policy, and guidance to conduct and discipline cases. Leaders will learn about such topics as the FAA Douglas factors, the concept of progressive discipline, and applying the FAA table of penalties. A brief overview of ethics basics is also presented.

Prerequisites: None
And one of the following: None

01021 (CBI) DLS - Career Development

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills includes: (1) different styles and types of mentoring and the DOT mentoring handbook; (2) guidance in developing individual development plans; (3) other methods of career development; (4) FAA training policy as it relates to the topic; and (5) benefits of career development for the agency, supervisor, and employee.

Prerequisites: None
And one of the following: None

01022 (CBI) DLS - Change Management

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills covers ways to effectively deal with change in the agency. At the end of the module you will be able to: explain the change process, recognize behaviors that are indicative of resistance to change, understand ways of overcoming such resistance, and apply tips and guidelines to assist employees through change.

Prerequisites: None
And one of the following: None

01023 (CBI) DLS - Skills for the Interviewer

Training Manager: AHR-16 Course Length: 2 hour(s)

This module of developing leadership skills deals with the skills needed to conduct a successful selection interview. At the end of the module, you will be able to: list the characteristics of a successful interview; ways to prepare; and the major types of interviews. You will gain an understanding of consistency, questions to use and to avoid, and tips to establish rapport and maintain control of the process. You will also be able to describe the best ways to close the interview and evaluate results.

Prerequisites: None
And one of the following: None

01179 Building Effective Agreements

Training Manager: AHR-24 Course Length: 24 hour(s)

Building effective agreements builds skills in reaching agreements. Methodologies include negotiation, case studies, classroom lecture, and discussion. The course furthers learning based on experience building agreements on the job, which participants have documented for analysis and discussion.

Prerequisites: None
And one of the following: None

01183 Leadership Development and Labor Relations

Training Manager: AHM-1 Course Length: 63 hour(s)

This course is for newly selected supervisors who require the foundational knowledge and skills of the Leadership Development,

Phase 1, course and who would benefit from a more in-depth knowledge of the labor management relations course. Students will recognize their supervisory roles and responsibilities; examine their leadership style and interpersonal skills; apply coaching and conflict resolution techniques to workplace situations; understand the rights and responsibilities of management and unions as defined by law, contracts, and executive orders; and practice the principles of interest-based communication to build collaborative relationships with unions in the FAA.

Prerequisites: None
And one of the following: None

01186 Effective Communication Skills

Training Manager: AHM-1 Course Length: 16 hour(s)

This course is a two-day, skill-based workshop designed to enhance the communication skills of FAA employees who communicate directly with the public through their public affairs positions. The course focuses on teaching the student to effectively present the facts of a given situation, and the FAA's position relative to those facts. Emphasis is placed on understanding strategies, format, style, procedures, and processes necessary to communicate in the public affairs arena. Delivering messages with credibility is paramount to course success.

Prerequisites: None
And one of the following: None

01187 Managing Partnership Realities

Training Manager: AHR-24 Course Length: 20 hour(s)

The course is practical and impactful for FAA/DOT working partner pairs who have been actively engaged in a partnership effort and who want to maintain, enhance, and expand their partnership effectiveness. Learning methodology includes a combination of standard measurement/assessment instruments, classroom discussion, and case study application using participants' actual workplace issues. Current realities in today's FAA/DOT will be addressed in a supportive partnership classroom environment. The course design reflects a collaborative effort between FAA/DOT labor and management.

Prerequisites: None
And one of the following: None

01188 A Systemic View of the ARS Organization

Training Manager: AHR-24 Course Length: 40 hour(s)

This Air Traffic System Requirements Service (ARS) course focuses on three distinct areas: the integration of ARS processes and their relationship to FAA planning efforts; the Acquisition Management System (AMS) and the Federal and FAA budget policies; the identification of the appropriate vertical and horizontal channels for addressing issues arising from ARS activities; and the enhancing of long-term systematic perspectives relative to developing, prioritizing, and meeting air traffic system requirements.

Prerequisites: None
And one of the following: None

01193 Basic Principles of Interest-Based Bargaining

Training Manager: AHR-24 Course Length: 4 hour(s)

In the Basic Principles of Interest-Based Bargaining session, participants will learn to recognize characteristics of positional versus interest-based approaches and gain an overview of an interest-based problem-solving model. This session is for those who need a general understanding of the interest-based bargaining process.

Prerequisites: None
And one of the following: None

01194 Taking Responsibility for Your Own Stress

Training Manager: AHR-24 Course Length: 4 hour(s)

Through the use of interactive lecture and dialogue, participants will enhance their effectiveness during changing times. Participants will identify causes and effects of work-related stress and identify various coping strategies. The session will also explore choosing personal responses versus reacting, in minimizing the stress inherent in result-oriented environments.

Prerequisites: None
And one of the following: None

01195 Introduction to Myers Briggs Type Indicator

Training Manager: AHR-24 Course Length: 3 hour(s)

The Myers-Briggs Type Indicator (MBTI) is a self-report questionnaire designed to identify different personality types, differences that can be the source of much organizational misunderstanding and miscommunications. Participants in this session will learn their Myers-Briggs personality type and gain an understanding and appreciation for how various personalities focus attention, take in information, make decisions, and relate to the outside world.

Prerequisites: None
And one of the following: None

01198 Managing Yourself Through Change

Training Manager: AHR-24 Course Length: 4 hour(s)

This workshop is an introduction to the management of personal change in a professional environment. Participants will be introduced to basic change theory and the stages of change. Through large

group discussion and activities, participants will learn to identify the impact of change, enhance skills for managing change, and devise personal strategies to deal effectively with change.

Prerequisites: None
And one of the following: None

01199 Facilitator Tools for Effective Meetings

Training Manager: AHR-24 Course Length: 4 hour(s)

Given the increasing demands on limited resources, it is crucial that meetings become more efficient and effective in producing desired outcomes and fostering collaboration. In this workshop, participants will develop operating guidelines for meetings, clarify meeting outcomes, utilize a decision-making model, and enhance group member participants and effective facilitator behaviors.

Prerequisites: None
And one of the following: None

01205 Labor Management Relations (LMR)

Training Manager: AHM-1 Course Length: 36 hour(s)

This course provides information and skill building for supervisors to use in their relationships with unions in the FAA. Participants learn about creating effective labor management relationships in the workplace through an understanding of the rights and responsibilities defined by law, contracts, executive orders, and by acting in partnership. Activities include lecture and discussion, case studies, small group activities, and written exercises.

Prerequisites: None
And one of the following: None

01209 Combating Negativity

Training Manager: AHR-24 Course Length: 4 hour(s)

This workshop is designed to help participants recognize and deal with the insidious nature of negativity and its impact on their success. Participants will learn a five-step process for attacking and conquering negativity in themselves and as the first step in doing so with others.

Prerequisites: None
And one of the following: None

01210 Leadership Development Program, Phase I

Training Manager: AHM-1 Course Length: 36 hour(s)

This course is for new supervisors who need a minimal knowledge of labor management relations (LMR). The course expands and integrates foundational knowledge and skills for new supervisors to be effective leaders. Participants will recognize their roles and responsibilities; examine leadership styles; apply policy information in work situations using interpersonal communication skills; coaching and conflict resolution techniques; and develop action plans in partnership with their managers. Instructional methods include videotapes, readings, skill practices, indoor and outdoor activities, and highly interactive exercises to simulate the challenges of the workplace.

Prerequisites: None
And one of the following: None

01211 Leadership Development Program, Phase II

Training Manager: AHM-1 Course Length: 36 hour(s)

This course is designed for leaders who have facility, program or project responsibilities. Participants will apply the basic concepts of dealing with changes in the FAA; increase their self-insight; enhance their ability to be self-directed; develop strategic skills for leadership and building effective work relationships. Activities include simulation of the workplace using indoor and outdoor challenges; analysis of work-related issues; examination of the results of the '360 degree' leadership assessment and personal stress management assessment; and planning effective application of work-related learning.

Prerequisites: None
And one of the following: None

01217 Team Workshop

Training Manager: AHR-24 Course Length: 25 hour(s)

Team workshops are designed to provide instructional and consultative services to organizations and teams. Deliveries may consist of existing courses, abbreviated or modified deliveries of existing courses, or facilitation around specific issues. Examples are visioning, team building, goal setting, reengineering, consolidating, transition of leadership, and interpersonal communications training. The overall outcome is to build effective work groups that share a sense of community and a commitment to resolving issues. Methodologies include interactive discussion, lectures, skill practices, collaborative data generation, and indoor and outdoor hands-on activities.

Prerequisites: None
And one of the following: None

01219 Mediating Conflict

Training Manager: AHR-24 Course Length: 4 hour(s)

This workshop provides participants with an introduction to the basic interpersonal and communication skills to mediate conflict in the workplace. It addresses mediation 'on the fly' when a structured process is not available or appropriate. It will include a brief exploration of a mediator's instincts, intuitions, attitudes and values,

and the critical role they play in being an effective mediator.

Prerequisites: None
And one of the following: None

01222 NAS Technical Evaluator Training

Training Manager: AHR-24 Course Length: 28 hour(s)

This 3-1/2 day NAS technical evaluation course (NASTEP) addresses the major responsibilities of the on-site evaluation team. Major topics include: NASTEP Order 6040.6E, Objectives, Implementation Guidlelines, and Process Review ; softw are for evalutaion reports; planning a site visit; on-site interview s; w riting issue statements; systems thinking concepts; w orking in teams; analyzing causes of issues; developing site and systemic recommendations; and w riting evaluation reports. Learning methods of this course include brief presentations of subjects, real-life evaluation scenarios, group activities, assessment surveys, and class dialogue on shared learnings.

Prerequisites: None
And one of the following: None

01223 The FAA Budget in Brief

Training Manager: AHR-24 Course Length: 7 hour(s)

The congressional budget process is lengthy, time consuming and complex. Yet the FAA's existence depends on it. This w orkshop provides an overview of the federal budget process, major events in the FAA budget cycle, and budget formulation and execution tasks. Participants w ill have the opportunity to critique a sample budget justification and act as members of a budget review board.

Prerequisites: None
And one of the following: None

01227 Improving Work Processes

Training Manager: AHR-24 Course Length: 4 hour(s)

To succeed (or even survive) w ith shrinking resources, organizations must refocus on their processes. This w orkshop offers a strategy for using a process-focused model and provides tools and techniques to identify and transform core processes to create customer value. Participants w ill have the opportunity to flow chart processes they actually perform and identify non-value added steps.

Prerequisites: None
And one of the following: None

01228 Strategic Planning: Navigating Toward the Future

Training Manager: AHR-24 Course Length: 4 hour(s)

Participants w ill gain an aw areness of the critical nature of planning for the future and explore the six elements of the strategic planning process. By utilizing sample plans, checklists and process models, participants w ill develop a challenging and yet realistic organizational action plan for their area of responsibility.

Prerequisites: None
And one of the following: None

01229 Labor Management Relations: Understanding the Answers

Training Manager: AHR-24 Course Length: 5 hour(s)

Participants w ill have the opportunity to gain an understanding of the Federal Service Labor Management Relations Statute as it applies to FAA w orkplace situations. Special emphasis is placed on clarifying formal and Weingarten discussions, obligation to bargain, and representation rights.

Prerequisites: None
And one of the following: None

01232 FAA Guidance on Conduct and Discipline

Training Manager: AHM-1 Course Length: 4 hour(s)

This session is an interactive group activity w here participants answ er questions about real-life conduct and performance issues using the latest FAA orders and documents. Topics include levels of discipline, just cause, Performance Planning and Recognition System, and issuing time off and monetary aw ards.

Prerequisites: None
And one of the following: None

01235 Air Traffic Labor Management Relations

Training Manager: AHR-24 Course Length: 24 hour(s)

This course is designed specifically for air traffic 540's, labor relations specialists, supervisory personnel, management specialists, and facility managers. Participants w ill learn to apply labor management relations methods that w ill enable management to operate in an effective and systemic manner. Content w ill focus on the air traffic environment and strategic decisionmaking in labor management relations situations. Activities include case studies, analysis skill practice, and systemic problem solving group w ork.

Prerequisites: None
And one of the following: None

01236 Mediation Techniques for Conflict Resolution

Training Manager: AHR-24 Course Length: 16 hour(s)

This course is designed to give participants experience in using mediation techniques to collect and process information, to confront manipulative tactics, and to empower others to create mutually acceptable resolutions to workplace conflicts. Before attending mediation techniques, participants will be required to complete a 1 to 2 hour, self-paced distance learning module. Through discussion, role play, videotape skill practice, and peer and instructor feedback, participants will learn to recognize appropriate practical skills and techniques for effective conflict management.

Prerequisites: None
And one of the following: None

01239 Influencing Skills

Training Manager: AHR-24 Course Length: 4 hour(s)

In today's empowered environment, FAA employees have the opportunity and obligation to lead regardless of their position, title, or designated responsibility. This workshop focuses on that aspect of leadership related to the individual's ability and willingness to proactively influence outcomes in support of the agency's mission. Participants will enhance the requisite skills of presenting a persuasive message, questioning to verify understanding, and selecting appropriate verbiage.

Prerequisites: None
And one of the following: None

01240 Managing Your Workload for Success

Training Manager: AHR-24 Course Length: 6 hour(s)

Are you overwhelmed with handling multiple tasks in your job? Do you want to stop feeling like a victim in your work environment? This session provides helpful tips for organizing your immediate work responsibilities. Participants will practice applying the proven methods and tools learned in this session to help manage their time and tasks at work.

Prerequisites: None
And one of the following: None

01244 Critical Examination of Mental Models

Training Manager: AHR-24 Course Length: 4 hour(s)

This workshop provides participants the opportunity to increase the awareness of their mental models regarding critical FAA issues, such as people, policies, unions, leadership and accountability. Participants will develop strategies to recognize and modify the impact of their behaviors in actual work-related situations.

Prerequisites: None
And one of the following: None

01245 Implications Charting: Analyzing Systemic Problems

Training Manager: AHR-24 Course Length: 4 hour(s)

Implications charting is a powerful tool to review and assess potential solutions prior to implementation. This tool is a decision enhancing strategy for identifying possible pitfalls, creating more desirable alternatives, and developing alternatives for maximum success. Participants will apply the tools and techniques of implications charting to a systemic problem.

Prerequisites: None
And one of the following: None

01246 Managing Others Through Change

Training Manager: AHR-24 Course Length: 4 hour(s)

This workshop explores the concept of change resistance, the reason it occurs, and the strategies for minimizing its negative impact. Participants will learn to recognize the behaviors indicative of resistance and will develop strategies for interacting effectively with people who are resistant to change.

Prerequisites: None
And one of the following: None

01247 Introduction to Staff Studies

Training Manager: AHM-1 Course Length: 7 hour(s)

Participants in this workshop will enhance their ability to gather, analyze, and organize data; convert that data into valuable decision-making information and present the information in a way which encourages effective action in support of agency objectives. This workshop will be highly interactive. Participants will work with an extended case simulation in small groups and practice skills such as dynamic inquiry, effective organization, and creation of persuasive written materials.

Prerequisites: None
And one of the following: None

01248 Ethics: Impact and Challenges

Training Manager: AHR-24 Course Length: 4 hour(s)

Participants will learn to recognize the degree to which ethical dilemmas impact their work-related decisions; recognize the impact of ethical decisions on the FAA as an organization; develop and practice strategies for minimizing risks typically associated with ethical decisions in a political environment; and acknowledge their individual influence on the ethical behavior of others. An additional lab will be available to participants who want to develop and practice strategies for encouraging others to increase the frequency of ethical behavior in the workplace.

Prerequisites: None
And one of the following: None

01249 Influence, Inquiry, & Implications: Leaders Path to Future

Training Manager: AHM-1 Course Length: 52 hour(s)

Participants will focus on enhanced organizational influence and self management. They will consider strategies to integrate technological and interpersonal capabilities and make an impact on the resolution of cross-functional and systemic issues. Participants develop their abilities through a series of competency assessments, structured experiences, skill-based workshop sessions, group dialogue, evening preparation activities, and opportunities to reflect. The course goal is to integrate improved self-management behaviors with expanded influencing strategies to support, initiate, and guide-positive organizational outcomes in the FAA.

Prerequisites: None
And one of the following: None

01251 Certification Standardization Evaluation Team Orientation

Training Manager: AHM-1 Course Length: 104 hour(s)

This course prepares new team members as technical experts on specific Part 121 air carrier procedures and policies related to certification, surveillance and evaluation, aircraft conformity, and technical support job functions. Focus is on team building, administrative functions, and automation utilized in a virtual environment, and specific technical skills pertinent to new job assignments. Methodologies include hands-on operation of technological equipment, simulations of work-related issues, self-assessment instruments, challenge course, lecturettes, and interactive dialog.

Prerequisites: None
And one of the following: None

01252 Introduction to The Project Management Process

Training Manager: AHM-1 Course Length: 4 hour(s)

This course introduces the basic concepts and special tools of project management. Through interactive lecture/discussion, participants will discuss what a project is and how managing a project is different from managing in general. They will explore the phases of a project's life cycle and the typical activities associated with each phase. Working in small groups on a case study, they will practice using project management tools to plan tasks and allocate project resources. After attending this course, participants will be able to explain basic project management concepts and terminology, and apply tools and techniques for project planning and control.

Prerequisites: None
And one of the following: None

01253 Effective Questioning -- a Different Way to Communicate

Training Manager: AHM-1 Course Length: 4 hour(s)

Questioning is a powerful tool that is often overlooked in communications training. This course brings a unique insight into the effects of positive questioning, not just as a method of gathering information or interrogating, but as a communication skill that can assist you in coaching, problem solving, stimulating ideas, encouraging discussion, expanding alternatives, and gaining understanding. Participants will see how the astute use of questioning can enhance conversations, job performance, and capacity to influence, as well as improve the quality of all work relationships. Activities include lecture, written exercises, large and small group discussion, and questioning practice.

Prerequisites: None
And one of the following: None

01254 Measuring Organizational Performance Training

Training Manager: AHM-1 Course Length: 32 hour(s)

This course is intended for managers and staff personnel who are involved in the organizational and work unit performance measurement process. An intensive learner-centered skill building course, measuring organizational performance will guide participants through the identification of common terminology, drivers for instituting performance measurement, and organizational implications of implementing performance metrics to designing metrics, collecting data, and utilizing information for continuous improvement. Instructional methods include discussions, readings, written skill practices and highly interactive exercises to simulate the challenges of the workplace.

Prerequisites: None
And one of the following: None

01255 Working Together Effectively/Collaborative Team Processes

Training Manager: AHM-1 Course Length: 36 hour(s)

This course is designed to enhance the collaborative skills of integrated product team and product team members. This 4-1/2 day course focuses on the attitudes, strategies, and tools needed for effective communication and teamwork. Participants will also learn to define team problems, analyze causes and potential solutions, reach collaborative decisions, and manage conflict situations appropriately. The course uses interactive lecturettes and class discussions, case studies, structured experiences and style preference instruments. Significant time is also spent in workshop skill practices where real

team issues are addressed using the skills and tools provided.

Prerequisites: None
And one of the following: None

01256 Workplace Violence: What Everyone Should Know

Training Manager: AHM-1 Course Length: 4 hour(s)

Workplace violence is an ever-increasing reality of our daily lives. This session is designed to give participants some 'basics' regarding recognizing potentially violent situations and dealing w ith them smartly and safely. Using large and small group discussions and case study examples, participants w ill develop aw areness for the seriousness and the extent of violence in the w orkplace, recognize the w arning signs of violent behaviors, and describe techniques and resources for prevention and intervention that stress safety and support.

Prerequisites: None
And one of the following: None

01257 AT-Labor Management Relations-II: Negotiation to Resolution

Training Manager: AHM-1 Course Length: 24 hour(s)

This course is specifically designed for air traffic personnel w ho engage in negotiations w ith union representatives. Participants w ill learn and apply proven negotiation and conflict management techniques. Content w ill focus on the air traffic environment and negotiations in labor management relations situations. Instructional methods include: small group discussions, case studies, video, skill practice w ith peer and instructor feedback, and a negotiation simulation.

Prerequisites: None
And one of the following: None

01258 Professional Techniques for Systemic Change

Training Manager: AHM-1 Course Length: 24 hour(s)

FAA's NAS implementation organization has initiated many systemic changes in the w ay it achieves its mission and accomplishes its goals. This w orkshop has been designed to support ANI employees adapting to change. A highly interactive w orkshop focuses on creating a w illingness to explore change from a systemic perspective. Participants w ill learn communication techniques that support mutual understanding for collaborative decision-making, identify the most effective w ays they can influence change initiatives w ithin ANI, and consider short-term implications of their decisions. Workshop methodologies include computer simulations, case studies, lecturettes, large and small group discussions and self-assessments.

Prerequisites: None
And one of the following: None

01259 Staff Study Fundamentals

Training Manager: AHM-1 Course Length: 24 hour(s)

This course enhances participant skills to conduct staff studies. Participants w ill examine staff study components and identify methods to increase efficiency and effectiveness. Methodologies include lecturettes, interactive discussion, and group collaboration. Participants w ill develop skills and gain an understanding of processes; practice and expand their aw areness of a staff study by w ay of a case scenario. Skills w ill be developed in gathering data and presenting information, understanding the value of specific processes and w ork flow models; and develop a comfort level w ith projects requiring effective staff w ork.

Prerequisites: None
And one of the following: None

01262 Set Goals, Manage Performance and Reward Contribution in AVR

Training Manager: AHM-1 Course Length: 23 hour(s)

This 3-day w orkshop builds essential skills for managing individual performance on a daily basis through the FAA's performance management system. The skills include conveying the organizational goals and their relationship to the individual's goals, collaboratively setting expectations, documenting performance, giving feedback, w riting and communicating performance summaries, and justifying and conveying aw ards for performance. Additionally, this w orkshop provides the opportunity to apply many of the same essential skills to the superior contribution increase process.

Prerequisites: None
And one of the following: None

01263 Presentation Techniques

Training Manager: AHM-1 Course Length: 24 hour(s)

Presentation techniques is a 3-day program that prepares content experts to deliver information and skill-building activities effectively and confidently. The course provides strategies for handling challenging situations, tactics for adapting briefing materials to be more interactive, w ays to encourage learner involvement, along w ith how to use classroom technology, field questions, and gauge how w ell learning is progressing. The class uses videotaping, discussion and application exercises.

Prerequisites: None
And one of the following: None

01264 Managing Performance and Rewarding Contribution in ARC

Training Manager: AHM-1 Course Length: 16 hour(s)

This ARC-specific 2-day w orkshop uses ARC plans and examples to provide essential information about managing individual performance on a daily basis through the FAA's Performance Management System. The w orkshop focuses on the alignment betw een organizational goals and individual performance expectations. Key points include information about performance expectations, feedback, documentation, and recognition and summaries. Additionally, this w orkshop provides critical information for implementing the superior contribution increase process.

Prerequisites: None
And one of the following: None

01265 Managing Performance (3-Day)

Training Manager: AHM-1 Course Length: 23 hour(s)

This 3-day w orkshop builds essential skills for implementing the FAA's Performance Management System. The skills include conveying the organizational goals and their relationship to individual performance expectations, collaboratively setting expectations, documenting performance, giving feedback, w riting and communicating performance summaries. Workshop emphasis is on practicing management skills necessary for implementation.

Prerequisites: None
And one of the following: None

01266 Managing Performance (2-Day)

Training Manager: AHM-1 Course Length: 16 hour(s)

This generic 2-day w orkshop provides essential information about managing individual performance on a daily basis through the FAA's Performance Management System. The w orkshop focuses on the relationship betw een organizational goals and individual performance expectations. Key points include information about performance expectations, feedback, documentation, recognition, and summaries.

Prerequisites: None
And one of the following: None

01268 Managing Performance (1-Day)

Training Manager: AHM-1 Course Length: 8 hour(s)

This 1-day w orkshop provides an overview of the essential skills for managing individual performance on a daily basis through the FAA's Performance Management System. Topics include ensuring the alignment betw een the organization's goals and those of the individual, collaboratively setting expectations, providing feedback, and communicating performance summaries.

Prerequisites: None
And one of the following: None

01269 Measuring Organizational Performance Workshop

Training Manager: AHM-1 Course Length: 20 hour(s)

Measuring organizational performance development w orkshop is an intensive 2-1/2 day learner-centered course for w ork groups and teams w riting performance goals and measures. This customizable course teaches common terminology, drivers for instituting performance measurement, organizational implications of implementing performance metrics to designing metrics, collecting data, and using information for continuous improvement. Activities lead to the development of actual performance measures and w ill give participants a good start tow ard the development of their performance goals.

Prerequisites: None
And one of the following: None

01271 Performance Planning and Budget Integration

Training Manager: AHM-1 Course Length: 23 hour(s)

Performance planning and budget integration is a 3-day course designed for managers, supervisors, and staff personnel involved in developing performance measures for their organization and linking them to the budgeting process. Participants w ill explain how organizational performance measurement supports organizational performance management and examine the life cycle of the budget development process. Students should be able to develop effective performance goals for both outcomes and outputs and integrate them w ith the budgeting process. Instructional methods include discussion, readings, w ritten skill practices, and interactive exercises that explore the challenges of the w orkplace.

Prerequisites: None
And one of the following: None

01272 Writing An Effective Self-Assessment

Training Manager: AHM-1 Course Length: 8 hour(s)

This 1-day w orkshop focuses on strategies and w riting techniques that help employees provide relevant, focused input about their performance w hen completing self-assessments used in the new performance management system, superior contribution increase process, or other performance-related situations. Students w ill learn to: 1) identify required critical elements for self-assessments; 2) develop and practice appropriate w riting strategies; and 3) to critique self-assessments for clarity and effectiveness from the reader's perspective.

Prerequisites: None
And one of the following: None

01273 Managing Performance Employee Training

Training Manager: AHM-1 Course Length: 8 hour(s)

This 1-day workshop builds essential skills for employees to collaborate effectively in the FAA's performance management system. The workshop provides information about each component of the performance management system as well as an overview of how the superior contribution increase process compares to it. Participants will observe video-taped vignettes of the face-to-face meetings required in the performance management system and practice writing generic performance expectations and self assessments.

Prerequisites: None
And one of the following: None

01274 Strategic Planning Through the Power of Vision

Training Manager: AHM-1 Course Length: 36 hour(s)

The course is designed for DOT managers and leaders who have facility, program, or project responsibilities. It provides the skills and knowledge necessary to maximize leadership effectiveness. Participants practice skills that help them set the vision, strategies, and measures for their facility, program, or project and enables them to articulate a clear strategic plan. Instructional approaches used are self-assessment, individual and group work, videos, outdoor challenge course, and a case study. Participants and their co-workers complete a computer-based feedback assessment instrument prior to attending.

Prerequisites: None
And one of the following: None

01275 Strategic Planning

Training Manager: AHM-1 Course Length: 36 hour(s)

The course is designed for FAA managers and leaders who have facility, program, or project responsibilities. It provides the skills and knowledge necessary to maximize leadership effectiveness. Participants practice skills that help them set the vision, strategies, and measures for their facility, program, or project and enables them to articulate a clear strategic plan. Instructional approaches used are self-assessment, individual and group work, videos, outdoor challenge course, and a case study. Participants and their co-workers complete a computer-based feedback assessment instrument prior to attending.

Prerequisites: None
And one of the following: None

01277 Systems Thinking

Training Manager: AHM-1 Course Length: 32 hour(s)

This systems thinking course is designed to provide FAA leaders and problem-solvers with the knowledge and skills necessary to analyze specific organizational issues within the context of the larger organizational system. Participants will: (a) apply systems thinking in analyzing issues and designing strategic interventions; (b) engage in effective inquiry and advocacy; and (c) identify individual assumptions and organizational patterns that influence individual and organizational effectiveness. Methodologies include simulations on the computer and in the classroom, videos, worksheets, case studies, and lecture/discussion.

Prerequisites: None
And one of the following: None

01281 Problem Solving

Training Manager: AHM-1 Course Length: 6 hour(s)

Problem solving is a 1-day course designed for FAA employees who are in positions or roles with problem-solving responsibilities. The course examines a four-step problem solving model including problem definition, situation analysis, options generation and analysis, and problem solutions. Methodologies include interactive lecture/discussion, application exercises and small group work. Various methods and tools are reviewed which support successful completion of each of the four steps in the model.

Prerequisites: None
And one of the following: None

01282 Working Styles and Team Effectiveness

Training Manager: AHM-1 Course Length: 4 hour(s)

Using the True Colors$ instrument, students will experience an entertaining and practical way to learn about recognizing, understanding, valuing, and managing personality-based differences. Using multi-media learning techniques, True Colors$ encourages all to see and experience each of the four temperaments individually, as well as identifying how they blend together to describe the diversity of personalities that exist in the workplace. Activities include discussions, simulations, self-assessment, and skill practices. The interactive workshop focuses on improving job performance and interpersonal relationship skills and is an excellent lead-in module for team building/conflict management.

Prerequisites: None
And one of the following: None

01283 Using an Interest-Based Approach to Building Agreements

Training Manager: AHM-1 Course Length: 8 hour(s)

The continued need for long-term, sustainable agreements makes this w orkshop a necessity for people at all levels of the organization. People need effective communication skills to uncover the underlying issues and interests and to overcome position-based approaches. This w orkshop is designed to provide the basic tools and skill-building opportunities of the six-step interest-based negotiation model from the Harvard negotiation team. Activities include discussions, video clips, Harvard case studies and generic FAA scenario. Objectives: (1) use an interest-based approach for building agreements; (2) completing a negotiation planner; and (3) demonstrate effective communication skills during negotiation.

Prerequisites: None
And one of the following: None

01284 Balanced Scorecard

Training Manager: AHM-1 Course Length: 4 hour(s)

This w orkshop introduces participants to a framew ork for creating a balanced scorecard system that translates organizational strategies into measurable outcomes. The w orkshop provides tools to build upon current FAA goals and performance metrics. These tools allow management to communicate a variety of metrics to keep stakeholders, upper management, team members and employees up-to-date. Balanced scorecard metrics also demonstrate a clear linkage of operational activities to the achievement of FAA's goals. Through interactive discussions and exercises, students w ill practice using a balanced scorecard system to help align their organization's effort w ith its' strategy.

Prerequisites: None
And one of the following: None

01285 Negotiating Effective Agreements

Training Manager: AHM-1 Course Length: 24 hour(s)

This 3-day course focuses on developing participants' skills in negotiating w orkplace issues w ith union representatives. The skills include using labor relations order 3710.18 and related standard operating procedures in application exercises concerning FAA w orkplace scenarios. Participants w ill practice effective negotiation techniques during the application exercises. Methodologies include highly interactive exercises to simulate the challenges of the w orkplace, interactive lecture and discussion, and issue analysis using case studies.

Prerequisites: None
And one of the following: None

01286 Managing Conflict

Training Manager: AHM-1 Course Length: 4 hour(s)

Conflict occurs in all aspects of our lives. In many cases, the people involved in the conflict are unable to manage the situation effectively. Those w ho can successfully manage conflict in the w orkplace demonstrate unique interpersonal and communication skills. This w orkshop is designed to add to and strengthen those skills and support participants in becoming more effective. The w orkshop begins by distinguishing betw een destructive and constructive conflict, and understanding the cycles of each and exploring the skills and behaviors of effectively managing conflict. Through discussion and skill practice situations, participants practice the associated competencies for managing conflict constructively.

Prerequisites: None
And one of the following: None

01287 Creating Value: The Art of Leading Performance

Training Manager: AHM-1 Course Length: 20 hour(s)

This 2-1/2 day, highly-interactive w orkshop is based on 5 ATO-specific scenarios to move participants through a performance management year. The 2003 Employee Attitude Survey (EAS) results are used to inform participants of areas in need of manager improvement. Scenarios include laying the groundw ork, building momentum, demonstrating success, integrating results, and creating value.

Prerequisites: None
And one of the following: None

01288 Frontline Managers-2: Managing for Results

Training Manager: AHM-1 Course Length: 72 hour(s)

The Frontline Managers' Course 2, Managing for Results is the second component of the Frontline Managers' series. It goes beyond standard content driven training and challenges FAA's new leaders through a blend of highly-interactive simulations, rigorous business skill practices, and demanding application exercises, relying on mastery of FMC-1, The Fundamentals of Frontline Management, an on-line, self-paced course. FMC-2 takes 9 days to complete beginning on Monday at 6 p.m., and ending the second Thursday at 5 p.m. There w ill be evening sessions four times during the course. Pre-requisite of FMC-1 is mandatory.

Prerequisites: None
And one of the following: None

01306 Managing Change

Training Manager: AHM-1 Course Length: 24 hour(s)

This course is designed for managers, supervisors, and others w ho are impacted by current organizational change initiatives. Students increase individual aw areness about attitudes, approaches, perspectives, and possible reactions to change. This learning is accomplished through a variety of exercises, videos, and discussions related to some of the agency's major change initiatives. Participants

provide feedback to each other and contribute to the learning experience by openly discussing the impact and effectiveness of their previously held and new ly formed perspectives. As perspectives shift, students create strategies designed to increase their ability to contribute in a changing environment.

Prerequisites: None
And one of the following: None

01523 Facilitator Training Course

Training Manager: AHR-24 Course Length: 36 hour(s)

This course is intended for those employees w ho have or are expected to have responsibilities as facilitators in the agency. Methodologies in the course are a combination of theory and large group discussion and skill practice. Students are given several opportunities to apply their learning as facilitators during videotaped sessions. They w ill give and receive feedback w ith other participants and instructors.

Prerequisites: None
And one of the following: None

01529 FAA Regulatory Course

Training Manager: AHR-16 Course Length: 40 hour(s)

This course is designed to prepare students to participate as either a member or leader of a rule-making team. Students w ill gain a thorough understanding and develop skills in the areas of problem identification, research, development and analysis of options, document drafting, teamw ork, resource planning, and coordination. Students w ill also gain know ledge of the legal aspects of rule making including the pertinent executive orders, statutes, and governing regulations required in the rule-making process.

Prerequisites: None
And one of the following: None

01552 Introduction to Evaluation

Training Manager: AHR-16 Course Length: 32 hour(s)

01552

Prerequisites: None
And one of the following: None

01553 Change Agent

Training Manager: AHR-24 Course Length: 36 hour(s)

Change agent is designed for those w ithin the FAA w ho serve as internal consultants. The course provides participants an opportunity to enhance their effectiveness in supporting groups in resolving complex problems and facilitating systemic organizational change. Through classroom simulations, video, and application exercises, participants w ill practice skills in forming a consulting relationship, w orking w ith a customer organization, and terminating the customer relationship w hen appropriate. This course is designed for experienced facilitators w ho have completed Course 01523 and are actively engaged w ith w orking groups.

Prerequisites: None
And one of the following: None

01557 The ARA Organization: Its Customers and Influences

Training Manager: AHR-16 Course Length: 8 hour(s)

This course is designed for new ARA employees as w ell as current empoyees w ho w ish to increase their overall know ledge of the ARA organization. The purpose of this course is to provide employees w ith a systems perspective of the w ork of ARA, including its internal and external customers and influences. The course provides an understanding of how ARA fits into the larger picture of the FAA, the federal goverment, and the aviation industry. As a by-product, participants w ill also increase their know ledge of the w ork of each FAA line of business and how ARA w orks in partnership w ith these organizations to support the FAA's mission.

Prerequisites: None
And one of the following: None

01558 Supervisory Skills Training

Training Manager: AHR-16 Course Length: 16 hour(s)

This 2-day course w ill provide supervisors/managers w ith the latest policy as w ell as practical, 'how to' information on various human resource management topics. Areas covered in the course are: labor relations, conduct and discipline, performance management, employee development, staffing, classification and compensation, OWCP/retirement/leave administration, personnel reform flexibilities, accountability board, model w ork environment, and interpersonal skills.

Prerequisites: None
And one of the following: None

01559 Model Work Environment

Training Manager: AHR-16 Course Length: 16 hour(s)

This course is 16 hours of instructor-based training and provides both declarative and procedural (skills) aspects of the model w ork environment initiative. Topics include: MWE overview , mental models, communications, conflict and collaboration, and problem solving. Skills building exercises are designed for participants to acquire and practice skills in a 'safe' environment

Prerequisites: None
And one of the following: None

01589 CPMIS Processing of Personnel Actions

Training Manager: AHR-16 Course Length: 36 hour(s)

This course is designed to teach personnel how to use the Consolidated Personnel Management Information System (CPMIS) to process personnel actions. The FAA, under a reimbursable agreement, will allow personnel from other Departmental modal administrations and the National Transportation Safety Board (NTSB) to enroll in the course. The prerequisites include training, education and experience in operation of a cathode ray tube, and interpretation and use of the Federal Personnel anual, Supplement 296-33, Processing Personnel Actions.

Prerequisites: None
And one of the following: None

01592 CPMIS User Request Language (Advanced)

Training Manager: AHR-13 Course Length: 40 hour(s)

This course is designed as a follow-on to CPMIS Orientation and Basic User Request Language training (Course 01593). It provides an in-depth knowledge of the Data Management/User Request Language (DM/URL) used by the FAA Consolidated Personnel Management Information System (CPMIS). It is designed for individuals whose positions require the preparation of complex DM/URL programs.

Prerequisites: None
And one of the following: None

01593 CPMIS Orientation and Basic User Request Language

Training Manager: AHR-16 Course Length: 40 hour(s)

This course provides an overview of the FAA consolidated personnel management information system (CPMIS), including the database structure, terminal, deferrals, printer usage, and an introduction to the Data Management/User Request Language (DM/URL) used by CPMIS. It is designed for individuals whose positions require direct interaction with the CPMIS.

Prerequisites: None
And one of the following: None

01600 Duty Officer Orientation

Training Manager: ASH-20 Course Length: 40 hour(s)

This is an indoctrination course that provides duty officers with hands-on experience in the headquarters communication control center. Students perform duties as regularly assigned headquarters duty officers. Students will analyze and review events, situations, accidents, and incidents, especially those concerning aviation safety. Students are required to contact elements of the FAA involved in ensuring flying safety and implementation of the NAS policy. Visits to other similar federal elements are included, i.e., NTSB and Department of State operations centers. A secret clearance and current assignment as a duty officer are required.

Prerequisites: None
And one of the following: None

02001 FAR 135 Check Airman Qualification Training

Training Manager: AVN-220 Course Length: 16 hour(s)

This initial and transitional ground training includes: 1) check airman duties, functions, and responsibilities; 2) applicable code of federal regulations, and certificate holders' policies and procedures; 3) applicable methods, procedures, and techniques for conducting the required checks; 4) proper evaluation of student performance; 5) corrective action in the case of unsatisfactory checks; 6) approved methods, procedures, and limitations for performing the required normal, abnormal, and emergency procedures in the aircraft. Transition ground training includes procedures applicable to the type, class, or category of aircraft that the check airman is to transition.

Prerequisites: None
And one of the following: None

02002 FAR 135 Flight Instructor/Check Airman Recurrent Training

Training Manager: AVN-220 Course Length: 8 hour(s)

Every check airman and flight instructor will receive recurrent ground training to include a review of the subjects covered in the initial ground training and a quiz to determine the check airman and flight instructor's knowledge of the aircraft and the methods, procedures, and techniques for conducting flight instruction and/or performing as a check airman.

Prerequisites: None
And one of the following: None

02003 Flight Instructor Qualification Training

Training Manager: AVN-220 Course Length: 16 hour(s)

This initial ground training includes: 1) flight instructor duties, functions, and responsibilities; 2) applicable code of federal regulations and the certificate holder's policies and procedures; 3) applicable methods, procedures, and techniques for conducting flight instruction; 4) evaluation of student performance; 5) corrective action in the case of unsatisfactory training progress; 6) approved methods, procedures, and limitations for performing the required normal, abnormal, and emergency procedures in the aircraft. Transition ground training includes procedures applicable to the type, class, or

category of aircraft that the flight instructor is to transition.

Prerequisites: None
And one of the following: None

02004 AVN FAR 135 Ground Instructor Qualification Training

Training Manager: AVN-220 Course Length: 8 hour(s)

This course fulfills AVN-220's academic training requirements for FAR 135 ground instructors. The course includes presentation coursew are and equipment usage.

Prerequisites: None
And one of the following: 21425

02005 FAR Part 135, Indoctrination/Initial Qualification

Training Manager: AVN-220 Course Length: 12 hour(s)

This course is designed to meet the requirements of FAR 135 subpart H. It introduces new -hire crew members, pilots and technicians to flight inspection's methods of conducting operations w ith the BE-300F, BE-F90, BE-58, BAE-125-800A, CL-601-3R, LR-60, or any other flight inspection aircraft; acquaint the crew member w ith the company's policies, procedures, forms, organizational and administrative practices; and to ensure the crew member has acquired the airman know ledge required by FAR Part 135. Upon completion of this course, the student w ill be able to demonstrate adequate understanding of the subject matter required to perform efficiently as a flight inspection crew member.

Prerequisites: None
And one of the following: None

02006 FAR 135 Pilot/Technician Recurrent Qualification

Training Manager: AVN-220 Course Length: 12 hour(s)

This course is required annually for crew members (pilots and technicians) in the FAA flight inspection flight program. Non-aircraft specific subjects include: basic indoctrination, general emergency, and hazardous materials. Aircraft-specific subjects include ground training and differences for the aircraft flow n.

Prerequisites: None
And one of the following: 21510, 02005, 21421, 21422, 21509

02008 Qualification Airspace System Insp Pilot/Tech-AVN

Training Manager: AVN-220 Course Length: 160 hour(s)

This course is designed for FAA airspace system inspection pilots and airborne technicians. It is the academic portion of the flight inspection qualification curriculum that trains AVN aircrew s to inspect navigational aids and instrument flight procedures as outlined in Order 8200.1, the U.S. Standard Flight Inspection Manual. It also covers the use and operation of the Gull Automated Flight Inspection System (AFIS). This course consists of classroom presentations, laboratory exercise, and flight inspection equipment simulator sessions.

Prerequisites: None
And one of the following: None

02009 Continuing Qualification Airspace System Insp Pilot/Tech-AVN

Training Manager: AVN-220 Course Length: 36 hour(s)

This course is designed to provide a seminar-type environment w here flight inspection crew s can participate in the sharing of information regarding new development in flight applications and policies.

Prerequisites: None
And one of the following: 00058, 02008

02016 Aeronautical Orientation for Airborne Electronic Technicians

Training Manager: AVN-220 Course Length: 16 hour(s)

This training w ill introduce the crew member to the flying environment. This block of instruction is designed to equip the airborne electronic technician (AET) to understand the procedures, policies, and guidelines required in the operation of aircraft used in support of the flight inspection mission. Upon satisfactory completion of this course, the crew member w ill be able to demonstrate an understanding of the required information, procedures, and policies to better contribute to the flight inspection program as an aet.

Prerequisites: None
And one of the following: None

02017 Check Airman Aviation System Inspection Pilot/Tech

Training Manager: AVN-220 Course Length: 16 hour(s)

This course is comprised of modules that pertain to development of skills and attitudes required to instruct and evaluate duties on flight inspection aircraft. Subjects include: introduction; flight inspection evaluator; effective communications; control of human behavior; general procedures for evaluation and correction; and the evaluator as a critic. Satisfactory completion of this training is a prerequisite for designation as a mission evaluator.

Prerequisites: None
And one of the following: None

02018 OJT Airspace System Inspection Pilot/Tech

Training Manager: AVN-220 Course Length: 16 hour(s)

The duties and responsibilities of the instructor shall include: conduct of instruction in flight inspection fundamentals, utilizing appropriate equipment, standards, and OJT methods. They will ensure compliance of trainees with the applicable procedures, policies, and standards. They will certify trainees after successful completion of the OJT syllabus. Training shall include: planning, developing task lists; development of job aids, scheduling, lesson planning, and skill checking.

Prerequisites: None
And one of the following: None

02019 Beechcraft BE-300F Differences Training

Training Manager: AVN-220 Course Length: 26 hour(s)

This course consists of ground and flight training and qualification segments. The ground training segment consists of instruction in the aircraft (general, electrical system, environment, and avionics of the aircraft). Flight training consists of instruction in normal, abnormal, and emergency operations. Crew resource management (CRM) pilot flying (PF) and pilot not flying (PNF) duties are stressed throughout all phases of flight. Upon completion of flight training, the qualification phase will consist of a ground and flight examination required by 14 CFR 61 and 135. This course consists of 20 hours ground training, 4.5 hours flight training, and 1.5 hours in flight.

Prerequisites: None
And one of the following: None

02021 Airborne Radio Frequency Interference (RFI) Resolution

Training Manager: ACB-240 Course Length: 40 hour(s)

This course provides training for technicians and engineers on identifying, analyzing, locating, and resolving radio frequency interference (RFI) that could affect the safe operation of communication, navigation, and surveillance facilities in the NAS. The course is 19 hours field lecture and 21 hours field laboratory. Lectures include types of RFI including brute force, intermodulation, image, broadcast TV and radio, and RFI locating techniques, laboratory includes direction-finding exercises using the AVN NASE/RFI aircraft and spectrum analyzer and intermodulation demonstrations plus hands-on with the AVN aircraft spectrum analyzer. Candidates selected from nominees submitted.

Prerequisites: None
And one of the following: None

02700 (CBI) Long Ranage Navigation (LORAN-C)

Training Manager: AVN-220 Course Length: 8 hour(s)

This course is primarily for Aviation System Standards' (AVN) flight inspection personnel. The training will enable journeyman flight inspection personnel to inspect LORAN-C transition routes and standard instrument approach procedures. Topics included are radiated signal patterns and characteristics, terminology, flight inspection parameters and responsibilities, and aircraft manuevering and positioning to flight check LORAN-C instrument procedures. Analyzation of recorded data and extraction of pertininent data are also included.

Prerequisites: None
And one of the following: None

02701 (CBI) Airspace Systems Inspection Pilot (Phase I-Automatic)

Training Manager: AVN-220 Course Length: 120 hour(s)

This course utilizes computer-based instruction (CBI) and on-the-job training (OJT). It provides individualized instruction in all automated methods and techniques of airspace systems inspection to include airspace systems training (in accordance with the U.S. Standard Flight Inspection Manual, Order 8200.1), CBI orientation, technical terminology and special equipment utilization. This course includes in-flight training conducted at the flight inspection field office (FIFO) to support OJT requirements.

Prerequisites: None
And one of the following: None

02704 (CBI) Electronic Flight Instrumentation System

Training Manager: AVN-220 Course Length: 8 hour(s)

This computer-based instruction (CBI) course is designed for Aviation System Standards (AVN) flight inspection pilots who will fly the BE-300 aircraft equipped with the Bendix EFS-10. Subject areas include system configuration, operating controls and display features, general operation, fault annunciations, reversion modes, and flight simulation.

Prerequisites: None
And one of the following: None

02705 (CBI) Instrument Landing System (ILS) Best Fit Straightline

Training Manager: AVN-220 Course Length: 8 hour(s)

This course is a module of existing courses 20717 and 20718 using primarily computer-based instruction (CBI). It is designed for flight inspection, journey-level personnel. It will provide new information that was not previously covered in courses 20717 and 20718. This course includes training on FAA Order 8240.47, regarding determination of Instrument Landing System (ILS) glidepath angle, Reference Datum Heights (RDH), and Ground Point of Intercept (GPI).

Prerequisites: None
And one of the following: None

02750 (CBI/WEB) AVN-300 FAR 135/145 Differences

Training Manager: AVN-300 Course Length: 8 hour(s)

These are the aircraft maintenance procedures that will be utilized when operating under FAR's 135, certificate and FAR's 145, repair station and the difference between the two.

Prerequisites: None
And one of the following: None

02751 (CBI/WEB) Environmental Safety and Operations Training

Training Manager: AVN-300 Course Length: 4 hour(s)

These are the procedures that will be utilized while performing tasks under Code of Federal Regulations (CFR) 29 and 40.

Prerequisites: None
And one of the following: None

02800 Beech 300 Pilot Initial Aircraft Qualification (AVN)

Training Manager: AVN-220 Course Length: 83 hour(s)

This course is for AVN flight inspection pilots who require a type rating in the FAA-owned Beech 300 aircraft.

Prerequisites: None
And one of the following: None

02801 BE-300 Recurrent Pilot Training

Training Manager: AVN-220 Course Length: 28 hour(s)

This training meets the requirement of FAR 135 Subpart H, recurrent training requirements.

Prerequisites: None
And one of the following: 02800, 28204

02805 BAE-125-800 Pilot Initial Aircraft Qual Training (AVN)

Training Manager: AVN-220 Course Length: 88 hour(s)

This course is designed for initial qualification and standardization of AVN flight inspection pilots whose official duties require a type rating in the BAE-125-800.

Prerequisites: None
And one of the following: None

02806 BAE-125-800 Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 34 hour(s)

This course is designed for AVN flight inspection pilots whose official duties require maintaining flight proficiency in the BAE-125-800.

Prerequisites: None
And one of the following: 02805, 28291

02810 Lear 60 Pilot Initial Aircraft Qualification (AVN)

Training Manager: AVN-220 Course Length: 103 hour(s)

This course is designed for initial qualification of AVN flight inspection pilots whose official duties require a type rating in the Lear 60.

Prerequisites: None
And one of the following: None

02811 Lear 60 Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 83 hour(s)

This course is primarily designed for recurrent qualification and standardization of flight inspection personnel whose official duties require maintaining flight proficiency in the Lear-60.

Prerequisites: None
And one of the following: 02810, 28048, 28030

02815 Canadair CL-600 Pilot Initial Aircraft Qualification (AVN)

Training Manager: AVN-220 Course Length: 121 hour(s)

This course is primarily designed for initial qualification and standardization of flight inspection personnel whose official duties require a type rating in the CL-600.

Prerequisites: None
And one of the following: None

02816 Canadair CL-600 Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 34 hour(s)

This course is primarily designed for recurrent qualification and standardization of AVN flight inspection personnel whose official

duties require maintaining flight proficiency in the CL-600.

Prerequisites: None
And one of the following: 02815, 28298, 28279

02820 Cessna 560 Citation V Pilot Initial Aircraft Qual (AVN)

Training Manager: AVN-220 Course Length: 82 hour(s)

This course is primarily designed for initial qualification and standardization of AVN aviation safety inspectors w hose official duties require a type rating in the Cessna 560 aircraft.

Prerequisites: None
And one of the following: 20700, 20702

02821 Cessna 560 Citation V Recurrent Pilot Training (AVN)

Training Manager: AVN-600 Course Length: 28 hour(s)

This course is primarily designed for recurrent qualification and standardization of AVN aviation safety inspectors w hose official duties require maintaining flight proficiency in the Cessna 560 aircraft.

Prerequisites: 02820
And one of the following: 20700, 20702, 28292

02822 Cessna Citation 560 Inspector Pilot Recurrent Qual (AVN)

Training Manager: AVN-600 Course Length: 40 hour(s)

This course is designed for AVN pilots and inspectors w ho have a responsibility to administer Citation flight tests and checks. It consists of 25 hours of ground school refresher and 15 hours (7.5 pilot and 7.5 observer) of flight time. Subject areas include hands-on training w ith electronic flight instrument system type instrumentation (FMS, AFIS, etc.). Other requirements are full-performance-level (FPL) general aviation operations inspectors w ith at least a commercial pilot certificate w ith airplane multi-engine land and airplane instrument ratings; Citation type rating; and a third-class medical certificate dated 24 months prior to class completion.

Prerequisites: None
And one of the following: None

02823 Gulfstream (GIII) Pilot Initial Aircraft Qualification (AVN)

Training Manager: AVN-600 Course Length: 85 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors w hose official duties require a type rating in the Gulfstream G-III.

Prerequisites: None
And one of the following: 20700, 20702

02824 Gulfstream G-III Recurrent Pilot Training (AVN)

Training Manager: AVN-600 Course Length: 31 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors w hose official duties require maintaining flight proficiency in the Gulfstream III.

Prerequisites: None
And one of the following: 20700, 20702, 02823, 28238

02825 Gulfstream (G-IV) Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 32 hour(s)

This course is primarily designed for recurrent qualification and standardization of AVN aviation safety inspectors w hose official duties require maintaining flight proficiency in the Gulfstream G-IV.

Prerequisites: 28233
And one of the following: 20700, 20702

02826 Lear 31A Recurrent Pilot Training (AVN)

Training Manager: AVN-220 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of AVN aviation safety inspectors w hose official duties require maintaining flight proficiency in the Lear 31A aircraft.

Prerequisites: 28294
And one of the following: 20700, 20702

02827 Learjet 31A Inspector Pilot Recurrent Qualification (AVN)

Training Manager: AVN-220 Course Length: 40 hour(s)

This course is designed for pilots and inspectors w ho have a responsibility to administer Learjet flight tests and checks. It consists of 25 hours of ground school refresher and 15 hours (7.5 pilot and 7.5 observer) of flight time. Subject areas include hands-on training w ith electronic flight instrument system type instrumentation (FMS, AFIS, etc.). Other requirements are full-performance-level operations inspectors w ith at least a commercial pilot certificate w ith airplane multi-engine land and airplane instrument ratings; Learjet type ratings; and a third-class medical certificate dated 24 months prior to the class completion.

Prerequisites: None
And one of the following: None

02828 Hangar 6 Gulfstream G-IV Initial Qualification

Training Manager: AVN-220 Course Length: 7 hour(s)

This initial flight training program at Hangar 6 is designed to provide flight training in the airplane following satisfactory completion of the ground school, simulator training, and simulator checkride culminating in a G-IV type rating at a contractor's facility. The G-IV course offers FAA inspectors and other FAA pilots approximately 7.0 hours of pilot time in the aircraft. Instruction on recommended flight testing procedures will be provided during flight training, as appropriate to the aircraft and the specific manuevers and procedures involved. Successful completion of this course culminates in satisfactory accomplishment of the manuevers listed on FAA Form 4040-2.

Prerequisites: None
And one of the following: None

02829 Hangar 6 Gulfstream G-IV Recurrent Qualification

Training Manager: AVN-220 Course Length: 5 hour(s)

This recurrent flight training program is designed to provide the necessary flight training in the airplane to meet recurrent training requirements of FAA orders, following satisfactory completion of recurrent ground school, simulator training, and simulator check at a contractor's facility. The G-IV course offers FAA inspectors and other qualified FAA pilots approximately 5 hrs of pilot time in the airplane. Instruction on recommended flight testing procedures will be provided during flight activities, as appropriate to the aircraft and the specific manuevers and procedures involved. Successful completion of the course culminates in satisfactory accomplishment of the manuevers listed in FAA Form 4040.2

Prerequisites: None
And one of the following: 28237, 02828

02830 Cessna 560XL Initial Qualification (AVN)

Training Manager: AVN-600 Course Length: 61 hour(s)

This course is primarily designed for initial qualification and standardization of Aviation System Standards'(AVN) flight personnel whose official duties require a type rating in the Cessna 560XL aircraft.

Prerequisites: None
And one of the following: None

02831 Cessna 560XL Recurrent Qualification (AVN)

Training Manager: AVN-600 Course Length: 18 hour(s)

This course is primarily designed for recurrent qualification and standardization of Aviation System Standards' (AVN) flight personnel whose official duties require the maintenance of flight proficiency in the Cessna 560XL.

Prerequisites: 02830
And one of the following: None

05004 The Partnership Challenge

Training Manager: AHM-1 Course Length: 36 hour(s)

This course is intended for actual labor-management pairs; i.e., working counterparts, who desire to create a more collaborative working relationship. The course integrates the use of the challenge course to explore opportunities for learning beyond the classroom. Other methodologies include case studies on breaking through barriers of stereotyping, skill practice in interest-based bargaining, developing effective mentoring techniques, and action planning through partnership agreements.

Prerequisites: None
And one of the following: None

05165 Labor Distribution Reporting for Quality Assurance Resources

Training Manager: AHR-16 Course Length: 24 hour(s)

FAA LDR training for quality assurance resources (QAR) is a 1-day course for quality assurance resources employees. The course traces the LDR process and agency/LOB/SO charging practices and the roles that the QAR assumes in each. Using the QA reference guide, CAS/LDR FAA-wide dictionary, and specific LOB/SO resources, students will explore their roles as liaison, advisor on charging practices, compliance monitor, investigator of reports, and manager of project and activity codes to ensure that LDR data for the organization is accurate and complete and supports FAA personnel in following LDR policy and procedures.

Prerequisites: None
And one of the following: None

05592 EEO Counselors' Training

Training Manager: AHR-16 Course Length: 32 hour(s)

This course focuses on the knowledges and skills needed to resolve EEO complaints and how to write an objective report. It is designed for employees who have been selected as EEO counselors. The course will be delivered by instructors from a private concern, and all course materials will be provided by these instructors.

Prerequisites: None
And one of the following: None

05598 FAA HQ Equal Employment Opportunity Mediation Program

Training Manager: AHR-16 Course Length: 24 hour(s)

Prerequisites: None
And one of the following: None

05599 Special Emphasis Program Training Course

Training Manager: AHR-16 Course Length: 32 hour(s)

This course will provide analytical skills and communications skills. It identifies the individual roles of the special emphasis program managers; legal basis for the programs, goals, and objectives as supported by federal law; teaches the differences between EEO and affirmative employment; disparate treatment and disparate impact; discrimination complaints process and the SEPM's role; role of the EEOC; upward mobility-what it is and how it works; recruitment issues-formal and informal; programs for individuals with disabilities, accommodation issues; sexual harassment and the SEPM's roles; analyzing workforce data; and affirmative action items--what they are and how to write them.

Prerequisites: None
And one of the following: None

05600 (IVT) Processing EEO Complaints

Training Manager: AHR-16 Course Length: 4 hour(s)

This course provides training to enhance the knowledge and skills of EEO specialists and EEO counselors in the processing of EEO complaints. Participants will have a better understanding of current civil rights issues and their impact on the work environment. They will also be able to determine the appropriate assistance that may be required from the civil rights office or an EEO counselor.

Prerequisites: None
And one of the following: None

05601 (IVT) EEO (Refresher/Update)

Training Manager: AHR-16 Course Length: 4 hour(s)

Provides information to enhance the knowledge and skills of EEO specialists and EEO counselors in the processing of EEO complaints. Participants will have a better understanding of current civil rights issues and their impact on the work environment, and be able to determine the appropriate assistance that may be required from the civil rights office or EEO counselor.

Prerequisites: None
And one of the following: None

05602 Business Process Engineering

Training Manager: AHR-16 Course Length: 32 hour(s)

This course provides training for process owners, managers, team leaders (managers, supervisors, staff personnel) on the business process engineering (BPE) model, approach, and applications. The course consists of 50% lecture and 50% interactive exercises and laboratory work. Subjects include the steps, activities, and tools involved in process analysis, redesign, and implementation through use of a case study. The course builds on problem solving, facilitation, conflict resolution, and change management techniques. A BPE guidebook is included.

Prerequisites: None
And one of the following: None

05603 Acquire Purchasing Training

Training Manager: AHR-16 Course Length: 24 hour(s)

The objective of the acquire training is to train FAA procurement specialists, contracting officers, and others on the new Acquire system being installed to replace the current System for Acquisition Management (SAM). Training will be lecture and hands-on activities. Training will be structured around requisitioning, requisition approval, and fund certification activities. The four components are; 1) functional training; 2) business process training; 3) functional overview; 4) purchasing overview. Each trainee will receive an Acquire training manual to achieve course objectives and to use as a reference guide for the system and an instructional guide.

Prerequisites: None
And one of the following: None

05604 Acquire Requisitioner Training

Training Manager: AHR-16 Course Length: 16 hour(s)

The objective of the Acquire training is to train FAA requisitioners on the new Aquire system being installed to replace the current System for Acquisition Management (SAM). Training will be of lecture and hands-on activities. Training will be structured around requisitioning, requisition approval, and fund certification activities. Functional training includes; identifying navigational paths and responsibilities with the system, hands-on lab exercises, processes for performing reviews and approvals, etc. Business process training identifies new business processes that are specific to the FAA and will be incorporated into the functional training when appropriate.

Prerequisites: None
And one of the following: None

05605 Information Technology & Information Security Training

Training Manager: AHR-16 Course Length: 28 hour(s)

The information technology (IT) and information security (IS) training is designed to provide an overview of the IT management resources, in-depth training on all aspects of information security, up-to-date information on IT telecommunications, services, and processes in the FAA. Topics includes legislative implementation of IT in the federal sector; the latest contracting vehicles, migration of administrative systems, and the NAS information architecture. Information security topics include, security planning, FAA IS policy, the common criteria, risk management, and IS security awareness. Topics will be presented by subject experts from FAA, other Federal agencies, and private industry.

Prerequisites: None
And one of the following: None

05606 (CBI) Integrated Payroll and Personnel System

Training Manager: AMA-300 Course Length: 16 hour(s)

This course contains modules and lessons for system overview of the Integrated Payroll and Personnel System (IPPS). Lessons include overview, time collection, personnel requests, and training.

Prerequisites: None
And one of the following: None

05607 (CBI) Discovering the Internet

Training Manager: AMA-300 Course Length: 2 hour(s)

This course provides information on how to navigate through the Internet quickly and easily. It describes the different avenues that can be used to get information and gives definitions of terms used on the world wide web.

Prerequisites: None
And one of the following: None

05608 NISC Government Technical Interpreter (GTI) Indoctrination

Training Manager: AHR-16 Course Length: 8 hour(s)

NISC GTI is designed to introduce FAA GTI's to the NISC, delineate their roles and responsibilities regarding the NISC program, and help ensure the proper administration and execution of the contract. Topics to be covered include NISC background, NISC-11 basic provisions, NISC statement of work, roles and responsibilities of GTI's, the NISC award fee process, task order basics, task order preparation, contructive changes, personal vs. non-personal service contracts, and inherently governmental functions.

Prerequisites: None
And one of the following: None

05609 NISC Government Technical Interpreter (GTI) Indoctrination

Training Manager: AHR-16 Course Length: 8 hour(s)

NISC GTI training is designed to introduce FAA GTI's to the NISC, delineate their roles and responsibilities regarding the NISC program, and help ensure the proper administration and execution of the contract. Subjects to be covered include NISC background, NISC-II basic provisions, NISC statement of work, roles and responsibilities of GTI's, the NISC award fee process, task order basics, task order preparation, contructive changes, personal vs. non-personal service contracts, and inherently governmental functions.

Prerequisites: None
And one of the following: None

05610 NISC Associate Technical Officer (ATO) Indoctrination

Training Manager: AHR-16 Course Length: 24 hour(s)

NISC ATO training is designed to indoctrinate FAA ATO's to the NISC, delineate their roles and responsibilities regarding the NISC and help ensure the proper administration and execution of the contract. Topics to be covered include NISC background; roles and responsibilities of key NISC personnel; NISC statement of work, labor categories and skill levels; constructive changes; personal vs. non-personal services; inherently governmental functions; NISC special contract provisions; task order basics and task order preparation; and the NISC award fee process.

Prerequisites: None
And one of the following: None

05611 ADA/UFAS: Accessibility for Government

Training Manager: AHR-16 Course Length: 30 hour(s)

FAA employees and their private sector consultants face increasing challenges in complying with both the Americans With Disibilities Act (ADA) standards and the Uniform Federal Accessibility Standards (UFAS). This course offers an overview of the most difficult compliance requirements of each, reinforced with slides, oral presentations, written evaluations, class discussions, and drawing assignments. The course then goes beyond the standards to propose universal design solutions that do not segregate users or visually destroy design integrity or historical significance. Case study breakout sessions will offer detailed analysis of a choice of FAA facilities.

Prerequisites: None
And one of the following: None

05612 Core Compensation Manager's Training

Training Manager: AHR-16 Course Length: 16 hour(s)

The 2-day workshop includes: (1) an overview of the core compensation system; (2) job documentation; (3) the roles in the OSI/SCI process; (4) communicating about pay to employees; (5) setting pay; and (6) managerial accountability under the new system. Managers will participate in practical exercises,using decision tools that will help prepare them for their role.

Prerequisites: None
And one of the following: None

05613 LDR Procedures Training for Employees

Training Manager: AHR-16 Course Length: 4 hour(s)

LDR employee training teaches the LDR process for collecting and submitting data on the time/labor cost employees spend working on projects and activities.

Prerequisites: None
And one of the following: None

05614 Labor Distribution Reporting (LDR) Training for Trainers

Training Manager: AHR-16 Course Length: 12 hour(s)

LDR training for trainers prepares FAA trainers to deliver the LDR employess procedures training in an effective manner adhering to adult learning principles.

Prerequisites: None
And one of the following: None

05615 LDR for Quality Assurance Resources

Training Manager: AHR-16 Course Length: 6 hour(s)

FAA LDR training for Quality Assurance Resources (QAR) is a 1-day course for quality assurance resources employees. The course traces the LDR process and agency/LOB/SO charging practices and the roles that the QAR assumes in each. Using the QAR reference guide, CAS/LDR FAA-wide dictionary, and specific LOB/SO resources, students will explore their roles as liaison, advisor on charging practices, compliance monitor, investigator of reports, and manager of project and activity codes to ensure that LDR data for the organization is accurate and complete and supports FAA personnel in following LDR policy and procedures.

Prerequisites: None
And one of the following: None

05616 Business Oversight Status System (BOSS)

Training Manager: AHR-16 Course Length: 16 hour(s)

The course provides training on the use of the national flight standards and aircraft certification budget cuff record system. The system supports budgetary processes within the two services including budget execution, formulation and management reporting. The training reviews system terminology, guidelines and concepts. The curriculum focuses on data management (create, edit, and delete) of expense and allotment records, data search capabilities, and report production. Users are introduced to ad-hoc capabilities through direct access of BOSS data via MS Excel. Users are expected to have familiarity of AFS and AIR workstation software as well as fundamental budget experience.

Prerequisites: None
And one of the following: None

05617 AOS LMR Skills Workshop

Training Manager: AHR-16 Course Length: 16 hour(s)

A 2-day course at a refresher level that contains the following subject areas: LMR laws and AOS collective bargaining agreements; application of collective bargaining agreements; understanding the implication for managers of LMR statutes; responding to and resolving workplace union issues; identification of situations requiring union involvement; avoiding unfair labor practic (ULP) allegations; understanding the ways/means to respond to ULP's; recognizing issues that require union negotiation; avoiding potential LMR pitfalls; participating in effective LMR negotiations; dealing with equipment modifications; and implementation issues.

Prerequisites: None
And one of the following: None

05618 Model Work Environment Skills Training

Training Manager: AHR-16 Course Length: 16 hour(s)

Sixteen (16) hours of instructor-based training provided both declarative and procedural (skills) aspects of the Model Work Environment initiative. Topics include: MWE overview, mental models, communication, conflict and collaboration, and problem solving. Skill building exercises are designed for participants to acquire and practice skills in a 'safe' environment.

Prerequisites: None
And one of the following: None

05619 Local Support Training Plan

Training Manager: AHR-16 Course Length: 24 hour(s)

This instructor-led course enables Domino and Notes end-user support personnel to use available resources to find solutions to the most common Notes and Domino R5 end-user error, problems, and frequently asked questions (FAQs).

Prerequisites: None
And one of the following: None

05620 System Administrator Training Plan, Version 5

Training Manager: AHR-16 Course Length: 40 hour(s)

A preconfigured R5 server environment, students will perform basic server maintenance and troubleshooting tasks, and discover basic concepts and Domino administration. Using a pre-installed Domino R5 infrastructure, students will create and modify user settings and connections for both notes clients and browser clients. As part of this process, students will create and distribute Notes IDS, and recertify, rename, and terminate users.

Prerequisites: None
And one of the following: None

05623 (CBI) Timekeeper Training for ATS

Training Manager: AFZ-100 Course Length: 8 hour(s)

This course is for FAA personnel who serve as timekeepers and is 8 hours of computer-based instruction (CBI). Training includes completion of the ATS LDR tutorial, role-specific sections of the video reference manual, review of the reference manual, and a two pay period practice session.

Prerequisites: None
And one of the following: None

05624 (CBI) LDR Employee Training for ATS

Training Manager: AFZ-100 Course Length: 6 hour(s)

This course is for ATS personnel and is 100% CBI. Training includes completion of the ATS LDR tutorial, role-specific sections of the video reference manual, review of the reference manual, and a two pay period practice session.

Prerequisites: None
And one of the following: None

05625 (CBI) LDR Manager Training

Training Manager: AFZ-100 Course Length: 8 hour(s)

This course is for ATS LDR managers and supervisors and is 8 hours of computer-based instruction (CBI). Training includes completion of the ATS LDR tutorial, role-specific sections of the video reference manual, review of the reference manual, and a two pay period practice session.

Prerequisites: None
And one of the following: None

05626 Prism Requisitioner Course

Training Manager: ASU-510 Course Length: 18 hour(s)

This training is in a lecture format with practice exercises in the application. Subject matter includes: (a) a high-level description of the purchasing process; (b) how to create, amend, cancel, delete, and process requisitions; (c) commitments from Prism to Delphi; (d) the requisition approval process; (e) display and print a requisition; (f) requisition and history queries; (g) running reports; and (h) receipt of items ordered on a requisition.

Prerequisites: None
And one of the following: None

05627 Prism Fund Certification and Approval

Training Manager: ASU-510 Course Length: 4 hour(s)

Lecture format with practice exercises in the application. Subject matter includes:(a) high-level description of purchasing process; (b)overview on creating requisitions; (c)requisition approval process; (d)display/print a requisition; (e)requisition history queries; and (f)running reports.

Prerequisites: None
And one of the following: None

05628 Prism Contract Specialist Course

Training Manager: ASU-510 Course Length: 28 hour(s)

This course is in lecture format with practice exercises in the application. Subject matters include: (a)create and maintain solicitation, standard purchase orders, contracts, delivery orders, modifications, and other award types; (b) track the processing of obligations/de-obligations in Delphi; (c) display/print all requisition and award documents; (d) describe the document approval process; (e) display/print reports; (f) commitments from Prism to Delphi; (g)supplier information; (h) requisition overview ; (h)requisition and history queries; (i) FPDS reporting, (j) milestones; and (k) closing awards.

Prerequisites: None
And one of the following: None

05629 PRISM Receiving

Training Manager: ASU-510 Course Length: 4 hour(s)

Lecture format with practice exercises in the application. Subject matter includes: (a)description of the receiving process; (b)add receiving reports; (c)add inspection information; (d)display receiving history; and (e)display a summary of receiving information.

Prerequisites: None
And one of the following: None

05630 PRISM Realty Specialist

Training Manager: ASU-510 Course Length: 28 hour(s)

Lecture format w ith practice exercises in the application. Subject matter includes: (a)create and maintain standard purchase orders and/or contracts for land or space leases, land purchases, supplimental lease agreements, utility contracts, and contracts for services; i.e., survey, appraisal, and title evidence; (b)track the processing obligations/de-obligations in Dephi; (c)supplier information; (d)display/print all requisition and aw ard documents; (e)perform queries on requuisitions, suppliers, and contracts; (f)approval process; (g)display/print reports; (h)commitments from PRISM to Dephi; (i)requisition overview ; (j)FDPS reporting; and (k)milestones

Prerequisites: None
And one of the following: None

05631 PRISM Reports

Training Manager: ASU-510 Course Length: 4 hour(s)

Formal lecture w ith practice exercises in the application. Subject matter includes: (a)description of various PRISM reports; (b)display/print reports; and (c)perform various history queries.

Prerequisites: None
And one of the following: None

05632 PO Manager - PRISM

Training Manager: ASU-510 Course Length: 4 hour(s)

Lecture format w ith practice exercises in the application. Subject matter include: (a) high-level description of purchasing processes and system functionality; (b)approval process; (c)w orkload tracking, management, and milestones; (d) display/print documents and reports; (e)queries; and (f)description of Delphi/PRISM integration.

Prerequisites: None
And one of the following: None

05633 Protecting Your Network and Computing Asset

Training Manager: AHR-16 Course Length: 40 hour(s)

This 5-day, hands-on course is designed to give students the fundamental know ledge about detecting and responding to intrusions.

Prerequisites: None
And one of the following: None

05634 Delphi General Ledger (DGL)

Training Manager: AHR-16 Course Length: 16 hour(s)

This course provides users w ith an understanding of FAA business processes and how to perform the follow ing transactions in Delphi: (a) create manual journal entries; (b) upload journal entries; (c) process internal and external journals; (d) process GL reconciliations; (e) execute w eekly, monthly, and year-end processes; and (f)reporting.

Prerequisites: None
And one of the following: None

05635 (CBI) Delphi Navigation

Training Manager: AHR-16 Course Length: 4 hour(s)

This course provides the basic know ledge for navigating the Delphi application and generating reports. This course also offers basic training in the follow ing areas: (a) logging on and logging off; (b) navigating Delphi application menus and forms; (c) help in the application; (d) entering information and the types of data; (e) entering, editing, and deleting transactions and records; (f) conducting queries in Delphi; (g) running requests (aka--running Oracle reports); and (h) tips for effectively using Oracle Delphi.

Prerequisites: None
And one of the following: None

05636 Delphi Project Accounting

Training Manager: AHR-16 Course Length: 16 hour(s)

This course provides users w ith an understanding of FAA business processes and how to perform the follow ing transactions in Delphi: (a) establish project and reimbursable agreements; (b) maintain a project; (c) record project activities; (d) manage a project; and (e)close a project.

Prerequisites: None
And one of the following: None

05637 Delphi Accounts Receivable Course

Training Manager: AHR-16 Course Length: 16 hour(s)

This course provides users w ith an understanding of FAA business processes and how to perform the follow ing transactions in Delphi: (a) set up and manage customer information; (b) create and process billing invoices; (c) process reimbursable agreements; (d) record receipts; (e) manage debt; (f) period end closing; and (g) reporting.

Prerequisites: None
And one of the following: None

05638 Delphi Fixed Assets

Training Manager: AHR-16 Course Length: 16 hour(s)

This course provides users with an understanding of FAA business practices and how to perform the following transactions in Delphi: (a) create and manage assets; (c) remove assets; (d) period end closing; and (e) reporting.

Prerequisites: None
And one of the following: None

05639 Delphi, U.S. Standard General Ledger (SGL)

Training Manager: AHR-16 Course Length: 16 hour(s)

After completing this course, student should be able to: (a) describe the SGL purpose and its features; (b) identify the SGL chart of account structure; (c) use SGL account definitions; (d) analyze key accounting events; (e) identify SGL attributes; and (f) use SGL crosswalks to generate financial reports.

Prerequisites: None
And one of the following: None

05640 Delphi Budget Execution

Training Manager: AHR-16 Course Length: 8 hour(s)

This course provides users with an understanding of FAA business processes and how to perform the following transactions in Delphi: (a) enter appropriations (including recessions, warrants, deferrals); (b) enter apportionments; (c) enter allotments and sub-allotments; (d) enter allowances and sub-allowances; (e) enter allocations and sub-allocations; and (f) reporting.

Prerequisites: None
And one of the following: None

05641 (CBI/Web) Understanding Delphi

Training Manager: AHR-16 Course Length: 4 hour(s)

This course provides general knowledge of Delphi accounting. The course offers basic training in the following areas: (a) introduction and benefits of project Delphi; (b) key changes from DAFIS to Delphi (accounting string, Web reports, and project and activity codes; (c) reporting in Delphi (operating, management, and Web reports); (d) project accounting overview; and (e) introduction to the Delphi modules and key changes.

Prerequisites: None
And one of the following: None

05642 Delphi Accounts Payable and Purchasing Course

Training Manager: AHR-16 Course Length: 36 hour(s)

This course provides users with an understanding of FAA business processes and how to perform the following transactions in Delphi: (a) create suppliers, requisitions, and purchase orders (non-procurement); (b) enter purchase orders and invoices; (c) process payments; (d) manage payables; and (e) period end closing and reporting.

Prerequisites: None
And one of the following: None

05643 Regional Messaging Administrator On-The-Job Training

Training Manager: AHR-16 Course Length: 56 hour(s)

This course was designed for the Regional Messaging Administrator Team (RMAT) members. These RMAT's are responsible for managing and maintaining the NEXGEN Lotus Notes Messaging System. This course will provide the RMAT's with additional skills and knowledge of the system in order to allow them to have 'managerial rights' to the sytem and its databases in order to provide greater and more efficient service to their regional staff. The content of the course will cover the Lotus Notes Systems from end-user tasks to basic Lotus developer functions. The course content has been 'customized' to reflect the FAA's needs, requirements, and processes.

Prerequisites: None
And one of the following: None

05644 508 Procurement and Acquisition Guidance

Training Manager: AIO-300 Course Length: 2 hour(s)

The training will focus on Section 508 requirements, which facilitates the FAA procurement and acquisition operating procedures. The training will present, in detail, the 508 procurement standard operating procedures. These procedures will be demonstrated through the illustration of an actual FAA procurement example utilizing the procurement process flow chart and procurement checklist.

Prerequisites: None
And one of the following: None

05645 Video and Multimedia Products

Training Manager: AIO-300 Course Length: 2 hour(s)

The training will focus on Section 508 video and multimedia product technical standards developed by the Access Board (1194.24). The training will highlight the National Center for Accessible Media (NCAM) Rich Media Accessibility Resource Center to display and demonstrate examples, tutorials and resources available on captioning of video files and audio description of audio files.

Prerequisites: None
And one of the following: None

05646 Software Applications and Operating Systems

Training Manager: AIO-300 Course Length: 2 hour(s)

The training will focus on Section 508 software applications and operating systems technical standards developed by the Access Board (1194.21). It will present the technical standards and provisions required for the accessibility of FAA software applications and operating systems by individuals with disabilities who utilize assistive technologies. The training will provide technical examples and explanations of how to make inaccessible software applications and operating systems accessible to users of assistive technology.

Prerequisites: None
And one of the following: None

05647 FAA Web-Based Internet and Intranet Info. and Application

Training Manager: AIO-300 Course Length: 5 hour(s)

The training will focus on the Section 508 Web-based Internet and Intranet technical standards developed by the Access Board and FAA Web-accessibility specific information and resources available on the FAA Section 508 Intranet Web site for assuring FAA Web sites are accessible for employees with disabilities utilizing assistive technology devices.

Prerequisites: None
And one of the following: None

05648 History of Section 508

Training Manager: AIO-300 Course Length: 1 hour(s)

The training will focus on the history and application of Section 508 within the Federal government and the Federal Aviation Administration. It will present and describe the FAA Section 508 policies and support in implementing the standards. The training will present the role and responsibilities of the FAA Section 508 coordinator, agency-wide team, and points of contact. Also the training highlights the 508 implementation plan and coordinator resources available.

Prerequisites: None
And one of the following: None

05649 Working Styles and Team Effectiveness

Training Manager: AHR-16 Course Length: 32 hour(s)

This course was designed for the local support personnel that provide the first line of support for the NEXGEN Lotus Notes Messaging System. The course has been customized to meet the needs of the FAA and its requirements and processes. It will provide more information and advanced techniques than previously provided in the basic classes offered during the initial system implementation. This course is designed to meet the requirement to provide local support staff with more detailed information and procedures that will allow them to be more efficient in handling the installation, configuration, and day-to-day management of the system; and to better support the user community within the FAA.

Prerequisites: None
And one of the following: None

05651 Domino R5 Designer Fundamentals

Training Manager: AAR-100 Course Length: 24 hour(s)

This course in a hands-on introduction to the basic skills of working in the Domino desinger development environment. Through instructor lecture and student-centered activities and exercises, students learn how to use Domino design elements to create an application that addresses business needs. By the end of the course, students will be able to incorporate business requirements into basic multi-client applications and to appropriately use many of the R5 Domino designer design elements.

Prerequisites: None
And one of the following: None

05652 Domino R5 Application Security and Workflow

Training Manager: AAR-100 Course Length: 16 hour(s)

This course builds on the principles of application development presented in Domino designer fundamentals and the Domino designer fundamentals tutorial. Through lecture and hands-on activities, students will learn how to effectively allow and deny access to applications to meet the needs of the organization, and how to add workflow to applications, as well as understand the relationship between workflow and security. Basic guidelines for workflow on the web are included.

Prerequisites: None
And one of the following: None

05653 Projectrak Help Desk Course

Training Manager: AHR-16 Course Length: 2 hour(s)

This course introduces and demonstrates the Projectrak Help Desk application. The course teaches how to navigate the application databases, create help desk tickets and postings, escalate and re-assign tickets, track ticket status, create service contracts and service bulletins, analyze call reports and pattern. The course also covers how to enable dash-1 and priority 1 ticket flagging capabilities,

use differenet notification options, lookup caller history, and search the knowledge base for answers to questions outside the technician's field of experience.

Prerequisites: None
And one of the following: None

05654 6.5 Jumpstart Admin Training

Training Manager: AHR-16 Course Length: 16 hour(s)

The 6.5 Jumpstart training course introduces Nexgen RMATS to the new administration features in Lotus Notes/Domino 6.5 to aid in the planning and implementation of the upgrade. The course has been customized to meet the needs of the FAA and its requirements and proceses for the upgrade. The course topics include; new enhanced administration tools, upgrade overview, improvements in the notes client administration and directory services, enhancements in messaging, enhancements to Domino reliability and Domino security.

Prerequisites: None
And one of the following: None

05655 6.5 Jumpstart Admin Training

Training Manager: AHR-16 Course Length: 16 hour(s)

The 6.5 local support update training course introduces NEXGEN local support and RMATs to the new features in Lotus Notes/Domino 6.5. The course will prepare local support and RMATs to support the new features of the Lotus Notes clients and web-access client that will be deployed to users during the upgrade. The course has been customized to meet the needs of the FAA and its requirements and processes for the upgrade. The course topics include: FAA upgrade overview , 6.5 clients upgrade, new client install and setup, new client features, messaging and calendaring enhancements, integrated same-time client, and web access client (Inotes).

Prerequisites: None
And one of the following: None

06021 Recurrent Engineering

Training Manager: AMA-620 Course Length: 24 hour(s)

This course is for project engineers who have a job related requirement to update their engineering skills in the subject areas being presented in this course. The subject areas covered will be those of current interest in the airport engineering area. Contact the Airports Branch (AMA-620) for subjects to be covered in a particular class and course location.

Prerequisites: None
And one of the following: None

06024 Recurrent Planning

Training Manager: AMA-620 Course Length: 40 hour(s)

This course is for airport planners who have a job related requirement to update their planning skills in the subject areas being presented in this course. The subject areas to be covered will be those of current interest in the planning area. Contact the Airports Branch (AMA-620) for subjects to be covered in a particular class.

Prerequisites: None
And one of the following: None

06028 Land Appraisal and Title Option

Training Manager: AMA-620 Course Length: 36 hour(s)

This course covers preparation of an appraisal; appraisal review; real property acquisition procedures; and title opinions to ascertain adequacy of title.

Prerequisites: None
And one of the following: None

06036 FAR Part 139 - Recurrent Training

Training Manager: AMA-620 Course Length: 36 hour(s)

This course will instruct airports certification safety inspectors in the requirements of the amended FAR regulation for aircraft rescue and firefighting capability; airport emergency plan; differences in the prior and present forms of the regulation; and a timetable for incorporating the amendments.

Prerequisites: None
And one of the following: None

06037 Airport Improvement Program-Programming Recurrent

Training Manager: AMA-620 Course Length: 28 hour(s)

This course provides familiarity with statutory and administrative changes to the Grants-In-Aid Program, amendments to the Airport and Airway Improvement Act, technical program management, and subjects impinging on the airport improvement program.

Prerequisites: None
And one of the following: None

06038 Recurrent Environmental Procedures

Training Manager: AMA-620 Course Length: 24 hour(s)

This course is designed for airports personnel experienced in the preparation and approval of environmental impact statements,

environmental assessments, and part 150, noise studies. The course content varies to provide a forum for discussion of the latest issues and requirements in this field, to enable the environmental specialist to provide the most current, accurate guidance to airport sponsors and consultants. This course may be attended by state block grant representatives responsible for complying with the environmental requirements on a space available basis.

Prerequisites: 12000
And one of the following: None

06039 Passenger Facility Charge (PFC) Recurrent

Training Manager: AMA-620 Course Length: 24 hour(s)

This course is for airports personnel who have a job-related requirement to update their knowledge/skills in the subject areas being presented in this course. Subject areas covered will be those of current interest in the PFC area. Contact the Airports Branch (AMA-620) for subjects to be covered in a particular class and course location.

Prerequisites: None
And one of the following: None

06041 Airport Certification Procedures

Training Manager: AMA-620 Course Length: 120 hour(s)

This course is for personnel who need credentials as an airport certification inspector and will be responsible for the certification of airports and enforcement of FAR 139. Classroom subjects to be covered are issuance of certificates, review of airport certification manuals and related plans, airport inspection procedures to assure compliance with FAR 139 Subpart D, identification of violations to FAR 139 and preparation of administrative enforcement actions. The class includes labs, workshops, and field trips to provide hands-on training.

Prerequisites: None
And one of the following: None

06042 Introduction to Airport Development

Training Manager: AMA-620 Course Length: 36 hour(s)

This basic course is for all airports personnel, particularly those who are responsible for airport planning, programming, or engineering. It consists of classroom instruction on AIP, PFC, and local airport development programs. Enrollees are requested to read FAA pamphlet, Introduction to AIP, before reporting for class.

Prerequisites: None
And one of the following: None

06043 Recurrent Compliance

Training Manager: AMA-620 Course Length: 28 hour(s)

This course is for compliance investigators who have a job-related requirement to update their skills in the subject areas being presented in this course. The subject areas being covered will be those of current interest in the airport compliance area. Contact the Airport Safety and Compliance Branch (AAS-310) for subjects to be covered in a particular class and course location.

Prerequisites: None
And one of the following: None

06045 Airport Planning and Design

Training Manager: AMA-620 Course Length: 36 hour(s)

This 36-hour resident course is for Airports Service personnel involved in airport planning. Topics include systems plans; master plans including ALP's; CIP phasing, selected airside design criteria; selected lighting, marking and signage. Course emphasis will be on exercises and workshops in which participants will practice reviewing master plan sections.

Prerequisites: 06401
And one of the following: None

06046 Airport Compliance Requirements

Training Manager: AMA-620 Course Length: 36 hour(s)

This course prepares students to evaluate sponsor compliance with obligations assumed in accepting airport development assistance and to advise sponsors/airport users/others on their respective rights/responsibilities under assurances in grant agreements/property conveyance assurances; standard sponsor obligations regarding safe/efficient airport operations; FAA HQ/region/state block grant program roles/responsibilities in FAA airport compliance program; FAA policies/procedures recompliance monitoring/enforcement, airport revenue generation/use, financial reports/audits and releasing sponsors from federal obligations.

Prerequisites: None
And one of the following: None

06047 Airport Certification for Non-FAA Employees

Training Manager: AMA-620 Course Length: 64 hour(s)

This course is for personnel who need a working knowledge of airport certification procedures under 14 CFR Part 139 without the necessity of obtaining credentials as airport certification safety inspectors. Classroom subjects to be covered are issuance of certifiates, review of airport certification manuals and related plans, airport inspection procedures to assure compliance with Part 139, identification of violations of Part 139 and preparation of administrative enforcement actions. The class includes lecture and field trips to provide hands on training.

Prerequisites: None
And one of the following: None

06048 AIP/PFC Forum

Training Manager: AMA-620 Course Length: 24 hour(s)

This course is for personnel who are actively working in the AIP and PFC environments. Attendees will be brought up to speed on a variety of issues dealing with the recent passage of AIR-21 and will be able to share their experiences from the previous year's program. Course topics for discussion will include recently published guidance and regulation in response to AIR-21. It is expected that all attendees will participate in classroom discussions and may be asked to facilitiate discussions or present material.

Prerequisites: None
And one of the following: None

06049 Airport Noise and 14 CFR, Part 150 Noise Studies

Training Manager: AMA-620 Course Length: 32 hour(s)

This course provides the airport's professional the knowledge necessary to manage the 14 CFR, Part 150 process. The course is designed to enable the student to communicate with airport sponsors, consultants, the public, and other FAA divisions to successfully accomplish Part 150 program requirements and provide guidance on noise compatability projects. The course introduces and explains average sound level, Part 150 requirements, and FAA coordinations. It covers Noise Exposure Map (NEM) and Noise Compatability Program (NCP) submittal and review requirements as well as noise compatability project eligibility.

Prerequisites: None
And one of the following: None

06050 ACIP/ACAIS Automation and Programming

Training Manager: AMA-620 Course Length: 16 hour(s)

This course is designed to give students an understanding of the input data requirements and interpretation of the output for the latest version of the Airport Capital Improvement Program/Air Carrier Activity Information System (ACIP/ACAIS) software.

Prerequisites: None
And one of the following: None

06400 Introduction to Airport Development (Correspondence)

Training Manager: AMA-620 Course Length: 36 hour(s)

This correspondence study course is for airports personnel who work with airport development programs. The course explains the process, procedures, and responsibilities involved in the Airport Improvement Program (AIP) and the Passenger Facility Charge (PFC) program. It also includes an overview of FAA responsibilities in locally-funded airport development projects.

Prerequisites: None
And one of the following: None

06401 Airport Planning Criteria

Training Manager: AMA-620 Course Length: 80 hour(s)

This 80-hour correspondence study course is for airports service personnel involved in airport planning. Topics include types of airport planning; the NPIAS; master plan elements with an emphasis on existing conditions, forecasts, facility requirements, site selection and ALP's; and selected standards for airport design. There are three graded exams. This course is a prerequisite to resident Course 06045, Airport Planning and Design.

Prerequisites: None
And one of the following: None

06402 Introduction to Airport Lighting, Marking, and NavAids

Training Manager: AMA-620 Course Length: 40 hour(s)

This correspondence course provides the knowledge necessary to manage airport divisions' programs that involve airport lighting, marking, signage, and NavAids. The course is designed to enable the students to communicate with airport sponsors, consultants, and other FAA divisions to ensure program requirements are successfully accomplished. The course introduces airports lighting, marking, and signing standards as well as typical navigational aid systems normally encountered by airports division employees. Coordination of NavAids is also discussed.

Prerequisites: None
And one of the following: None

07301 (CBI/WEB) Excess Personal Property Disposition

Training Manager: AMA-610 Course Length: 40 hour(s)

This Internet course is designed for FAA personnel involved in the disposition of government property. This training covers the role of disposal planning in life-cycle management. In addition, the roles and responibilities of FAA employees (program managers, property disposal officers, and property custodians) involved in the disposal process are defined. The hierarchy of disposal steps are outlined as well as the sequence of actions for screening, reporting, and disposing of unrequired and excess property. Disposal policies for FAA, DOT, DOD, and GSA are addressed. The course also provides

instruction for property research and inquiry capabilities available through the LIS USD Subsystem.

Prerequisites: None
And one of the following: None

07302 (CBI/WEB) NAS F&E Project Materiel Management

Training Manager: AMA-610 Course Length: 32 hour(s)

This Internet course is designed for personnel involved w ith the National Airspace System (NAS) facilities and equipment (F&E) project/materiel management process. Curriculum is based on the AFZ-500 project/materiel management desk guide. Emphasis includes the organizational responsibilities, planning activities, procedures, and tools required to properly manage and control NAS F&E projects.

Prerequisites: None
And one of the following: None

07303 (CBI/WEB) Overview of NAS F&E Project Materiel

Training Manager: AMA-610 Course Length: 16 hour(s)

This w eb-based training is designed for managers, supervisors, and other higher-level personnel having responsibility for NAS F&E project/materiel management. It provides an overview of the life-cycle process from identification and planning through project closeout, including physical/asset management; roles and responsibilities; and process stages. It is strongly suggested participants obtain a hard copy of the project/materiel management desk guide (yellow book) prior to enrolllment in the training. The guide can be requisitioned through LIS, using stock number 0056-00-480-0482.

Prerequisites: None
And one of the following: None

07305 (CBI/WEB) FAA Sales Contracting Officer (SCO) Training

Training Manager: AMA-610 Course Length: 16 hour(s)

This w eb-cmi course is a prerequisite to eligibility to act on behalf of the FAA as a sales contracting officer (SCO) in the sale of surplus property. Roles and responsibilities of an FAA SCO are defined. The course covers procedures for GSA-conducted sales, FAA-conducted sales, sales conducted by a commercial company, and negotiated sales. Emphasis is on the process and policies used for FAA-conducted sales. Terms and conditions for the applicable forms are also addressed.

Prerequisites: None
And one of the following: 07301, 07406

07306 (CBI/WEB) Field Logistics Management

Training Manager: AMA-610 Course Length: 32 hour(s)

This WEB course provides an overview of field logistics functions w ith roles and responsibilities addressed in each lesson. Major topics include data researach, materiel acquisition, shipping, receiving, project materiel and personal property management, materiel reutilization and disposition, and motor vehicle management.

Prerequisites: None
And one of the following: None

07402 NAS F&E Project Materiel Management

Training Manager: AMA-610 Course Length: 32 hour(s)

This correspondence course is designed for personnel w ho are involved w ith the National Airspace System (NAS) facilities and equipment (F&E) project materiel management process. Curriculum is based on the AFZ-500 project materiel management deskguide. The training includes the organizational responsibilities, planning activities, procedures, and tools required to properly manage and control NAS F&E projects.

Prerequisites: None
And one of the following: None

07403 Personal Property Management - Correspondence

Training Manager: AMA-610 Course Length: 24 hour(s)

This correspondence course is designed for logistics personnel at all levels w ho are involved w ith the Personal Property In-use Management System (PPIMS). Subject areas include maintaining facility master and data files, acquisitioning, maintaining PPIMS property records, identifying property manager and property custodian responsibilities, performing physical inventories, and performing utilization, screening, and disposal procedures. Text contains removable job aids for use at w orkstation.

Prerequisites: None
And one of the following: None

07404 Field Logistics Management

Training Manager: AMA-610 Course Length: 32 hour(s)

This correspondence course provides an overview of field logistics functions w ith roles and responsibilities addressed in each lesson. Major topics include data research, materiel acquisition, shipping, receiving, project materiel and personal property management, materiel reutilization and disposition, and motor vehicle management. Text contains removable job aids for use at w ork station.

Prerequisites: None
And one of the following: None

07405 Motor Vehicle Fleet Management

Training Manager: AMA-610 Course Length: 40 hour(s)

This correspondence course is designed for FAA employees working in motor vehicle fleet management; i.e., fleet managers, their alternates, immediate supervisors, custodians, and logistics division managers. Subject matter covers policies, procedures, and structure of the FAA motor vehicle fleet management program including FAA, DOT, and GSA policies; official use, home-to-work, and alternative fuel issues; funding and cost concerns; and use of the MVS2000 Automated Tracking System.

Prerequisites: None
And one of the following: None

07406 Excess Personal Property Disposition (Correspondence)

Training Manager: AMA-610 Course Length: 40 hour(s)

This correspondence course is designed for personnel involved in the disposition of government property. The course covers the role of disposal planning in life-cycle management. Also, the roles and responsibilities of FAA employees (program managers, property disposal officers, and property custodians) involved in the disposal process are defined. The hierarchy of disposal steps are outlined as well as the sequence of actions for screening, reporting, and disposing of unrequired and excess property. Disposal policies for FAA, DOT, DOD, and GSA are addressed. The course also provides instructions for property research and inquiry capabilities available through the LIS USD subsystem.

Prerequisites: None
And one of the following: None

07407 FAA Sales Contracting Officer (SCO) Training-Correspondence

Training Manager: AMA-610 Course Length: 16 hour(s)

This course is a prerequisite to eligibility to act on behalf of the FAA as a sales contracting officer (SCO) in the sale of surplus property. The roles and responsibilities of an SCO are defined. The course covers procedures for GSA-conducted sales, FAA-conducted sales, sales conducted by a commercial company, and negotiated sales. Emphasis is on the process and policies used for FAA-conducted sales. Terms and conditions for the applicable forms are also addressed.

Prerequisites: None
And one of the following: 07301, 07406

07408 Automated Inventory Tracking System (AITS)-Correspondence

Training Manager: AMA-610 Course Length: 24 hour(s)

This correspondence study course is for personnel responsible for managing FAA property using the Automated Inventory Tracking System (AITS) (ASCM Phase I). The course covers the use of the system to amend and validate the local property database and to produce forms for approval and entry into the Personal Property In-use Management System (PPIMS). It also explains how to download and upload system data into a scanner tool to perform property inventories. Practice exercises using the AITS training system are included.

Prerequisites: None
And one of the following: None

07700 Property Accountability: The Life Cycle

Training Manager: AMA-610 Course Length: 40 hour(s)

This course provides a comprehensive understanding of acquisition, including supply, issue, and purchase. Property disposal, under-utilization, methods of disposal, timeframes, and responsibilities for disposal are included. Students will gain knowledge about life-cycle operations and gain knowledge concerning acquisition, accountability, and disposal law. They will also learn to establish effective life-cycle management techniques. This course is recommened for those responsible for all or part of life-cycle management.

Prerequisites: None
And one of the following: None

07701 Logistics Remote Users Network (LOGRUN)

Training Manager: AMA-610 Course Length: 8 hour(s)

This FLIS course is designed to provide a basic introduction to the LOGRUN system. Students will learn different methods of accessing LOGRUN, how to sign on/off the system, POC's for solutions to system problems, and what various system error messages mean. Within LOGRUN several on-line systems are available. The systems covered in class are: logistics on-line access (LOLA) inquiry (NIIN/PSCN; CAGE/part number; part number) characteristics search, FSSC/FSG/INC, and commercial and government entity (CAGE). Students will be given a demoNSTRATION of these systems and hands on training through practical exercises.

Prerequisites: None
And one of the following: None

07702 Warehousing, Operations, and Disposal

Training Manager: AMA-610 Course Length: 32 hour(s)

This course offers students valuable information on the interface of inventory management and storage. Students will learn the design

and implementation of warehousing space utilization principles and storage locator systems. The course covers effective means of product retrieval, materials handling equipment, and special design and equipment features for special needs. Individuals concerned with the receipt, storage, and issue of all types of personal property required to support the agency's mission should attend this course.

Prerequisites: None
And one of the following: None

07703 Applications in Personal Property Accountability

Training Manager: AMA-610 Course Length: 40 hour(s)

This capstone course affords the student an opportunity to work in teams and apply skills and knowledge on real life case studies from their own work environment. Decision-making techniques using team approaches and creating action plans to accomplish management functions in personal property will be utilized in the course. Students will learn and apply management techniques by working in groups to discover new processes and approaches in personal property management.

Prerequisites: None
And one of the following: None

07704 Federal Logistics Data on Compact Disc (FEDLOG)

Training Manager: AMA-610 Course Length: 8 hour(s)

This DLIS course is designed for novice and everyday users of FEDLOG. Instruction is on the basics of the FEDLOG product including keyboard functions and help features. It will enable users to understand and recognize types of data obtained from FEDLOG. Specific instructions are provided on interactive and characteristic search programs. Students will be given a demonstration of all three programs in FEDLOG--the basics, characteristics search, and drawings disk.

Prerequisites: None
And one of the following: None

07705 Logistics Information Fundamentals Course

Training Manager: AMA-610 Course Length: 32 hour(s)

This course is designed for anyone who needs access and understanding to the Federal Logistics Iinformation System (FLIS). It provides fundamental and technical knowledge necessary to understand basic cataloging principles, how data is input into FLIS, and how to interpret data through Logistics Remote Users Network (LOGRUN) extracts. The course includes major organizational entity (MOE) rules data, catalog management data (CMD), and how they relate to item of supply management decisions.

Prerequisites: None
And one of the following: None

07718 Qualified Recycling Program Course

Training Manager: AMA-610 Course Length: 40 hour(s)

Course provides reutilization, marketing, and other related federal government personnel training in methods used to properly identify, classify, segregate, market, and dispose of recyclable materials and precious metal-bearing material in furtherance of the DOD recyclable and waste minimization program and the precious-metal recovery program. Hands-on laboratory testing will include use of hazardous chemicals and students will be exposed to dust generated from grinding material. If you have allergies, health concerns, or are pregnant, consult your physician prior to attending this class.

Prerequisites: None
And one of the following: None

07726 Defense Regional Inter Service Support (DRIS) Agreements

Training Manager: AMA-610 Course Length: 40 hour(s)

The course curriculum concentrates on DRIS regulatory policies and procedures, organizational functions and responsibilities, inter-service, inter-departmental, and inter-agency support agreement negotiations, preparation of DD Form 1144, and of support and reimbursable procedures.

Prerequisites: None
And one of the following: None

07733 Property Management for Custodial Officers

Training Manager: AMA-610 Course Length: 16 hour(s)

This course provides a comprehensive overview and procedures for day-to-day management of personal property. It is appropriate for personnel at the user level, the collateral property managers, and property custodial officers. Lectures, discussions, and class exercises teach the administrative and regulatory aspects of a property management program, terminology, and the process of determination of need, acquisition, accountability, and disposal at the user level.

Prerequisites: None
And one of the following: None

07739 Installation Logistics Management

Training Manager: AMA-610 Course Length: 80 hour(s)

This course provides coverage of all functional areas of the Directorate of Logistics (DOL) responsibilities. It provides an

overview of installation logistics management (ILM) functions. Emphasis is placed on responsibility at the retail level, Directorate of Logistics (DOL), and corresponding interfaces among installtion directorates, divisions, and branches. Focus is directed tow ard arming, fueling, fixing, moving, and sustaining w ithin an installation logistics management operation. Attention is directed tow ards installation management in the 21st century (Force XXI).

Prerequisites: None
And one of the following: None

07780 Logistics Management Development

Training Manager: AMA-610 Course Length: 160 hour(s)

This course provides an overview of the Army logistics system. The life-cycle management model is the common thread of the course, and it is used to highlight the more significant considerations of rate, acquisition, inventory management, maintenance, and disposal of army materiel. Instruction in management skills includes basic statistical and probability techniques and aspects of interpersonal behavior. This instruction is oriented tow ard improving the decision-making abilities of the student by providing know ledge of the techniques and considerations involved in logistics management.

Prerequisites: None
And one of the following: None

07793 Management Analysis: Data Gathering

Training Manager: AMA-610 Course Length: 32 hour(s)

This intermediate-level course provides the know ledges and skills needed to produce thoroughly researched useful management studies. Students w ill learn to conduct physical w ork area inspections and physical layout analysis. They w ill develop and execute both a w ork sampling and a w ork distribution analysis. Further course items include tips for constructing questionnaires, interview ing skills, measuring a causal model and flow chart procedures via single-column process flow charts and ADP flow charts.

Prerequisites: None
And one of the following: None

07799 Basics of Personal Property Management

Training Manager: AMA-610 Course Length: 40 hour(s)

This MCI course provides comprehensive coverage of the management of personal property from determination of need through disposal. Students w ill obtain a w orking know ledge of property policies, procedures, and regulations. Emphasis is placed on management and control, accountability, and accounting for property. Major topics include determination of need, acquisition, property management, accountability, utilization and disposal, FIP equipment and softw are, accounting for contractor and grantee property, and property reports.

Prerequisites: None
And one of the following: None

07828 Program Evaluation

Training Manager: AMA-610 Course Length: 24 hour(s)

This course is designed for managers, analysts, and other personnel w ho must evaluate and report the progress and outcome of programs. Students w ill learn to choose the best approach for a program evaluation, determine the scope, and identify and measure the value of major evaluation designs. Methods in determining data types, sources, and collection w ill be addressed, along w ith development of a data collection instrument. The course includes determining appropriate analytical methods, evaluating hypothesis testing methods, preparing, analyzing and interpreting data to create an effective program evaluation report.

Prerequisites: None
And one of the following: None

07831 Administration of Contractor-Held Property

Training Manager: AMA-610 Course Length: 40 hour(s)

This MCI course is designed to teach the fundamentals of administering the billions of dollars w orth of government-ow ned property and equipment used by and in the custody of contractors. Property administration responsibilities of the government and property management responsibilities and functions of the contractor are covered from aw ard of the contract to disposal and contract closeout, including contract clauses, physical inventories, and subcontract administration.

Prerequisites: None
And one of the following: None

10000 Aviation Facility Administration & Management-International

Training Manager: AMA-800 Course Length: 120 hour(s)

The participants are presented concepts in management fundamentals, quality assurance, training development and administration, CNS/ATM, and strategic planning using FAA directives for guidelines. Course material is presented through lessons, role plays, individual/class exercises, and group discussions.

Prerequisites: None
And one of the following: None

10001 Basic Supervisory Training (International)

Training Manager: AMA-800 Course Length: 56 hour(s)

This course is for entry-level supervisors. The course provides the foundational know ledge and skills to be an effective leader. Participants w ill gain an understanding of how leadership style impacts job performance, how personal and professional development is a leader's responsibility, strategies for managing w orkplace change, performance management, the fundamentals of air traffic management, and how to apply interpersonal skills to w orkplace scenarios. The fundamentals of quality assurance, training programs, and cns/atm are included. Instructional methods include reading, videotapes, discussions, and highly interactive exercises to simulate the challenges of the w orkplace.

Prerequisites: None
And one of the following: None

10002 Advanced Manager Training (International)

Training Manager: AMA-800 Course Length: 80 hour(s)

This course is for mid- to upper-level managers. Participants w ill gain an understanding of teamw ork, systems thinking, mentoring, organizational communications, strategies to manage w orkplace change, resource management, strategic planning, air traffic management, quality assurance, and facility training. The course provides participants w ith opportunities to analyze how leadership style impacts job performance and demonstrate interpersonal skills, and develop an action plan to support continued grow th in leadership effectiveness. Instructional methods include reading, videotapes, discussions, and highly interactive exercises to simulate the challenges of the w orkplace.

Prerequisites: None
And one of the following: None

10003 Introduction to Aviation English (International)

Training Manager: AMA-800 Course Length: 175 hour(s)

This is an intensive course leading to ICAO language proficiency pre-operational level 3. To expand current English ability, successful participants w ill understand and appropriately use basic aviation and air traffic vocabulary, listen and understand exchanges in familiar and w ork-related topics, and interact using pronunciation and fluency sufficient for international aviation use. Subjects include technical content on aerodromes, w eather, flight, navigation, safety, equipment, and other aviation issues. Sessions include a social program w ith conversation partners, group w ork, individual projects, opportunities for individual practice.

Prerequisites: None
And one of the following: None

10004 English for Air Traffic (International)

Training Manager: AMA-800 Course Length: 175 hour(s)

This intensive course leads to ICAO language proficiency operational level 4. Aviation professionals learn English to handle specific ICAO air traffic control procedures. Includes technical content from international air traffic training, rules of the air, navigation, air traffic processes and facilities, teamw ork, and other industry issues. Sessions include a social program w ith conversation partners, group w ork, individual projects, and opportunities for individual practice. Follow ing this course, after success in a techncial air traffic training course, participants should achieve ICAO operational level 4.

Prerequisites: 10003
And one of the following: None

10501 Facility Instructor Training

Training Manager: AMA-300 Course Length: 56 hour(s)

This course is for personnel assigned to training positions at FAA facilities. It consists of formal classroom instruction, w orkshop sessions, and practice teaching exercises. Students prepare and present tw o 30-minute lessons. Classroom instruction includes characteristics of job-centered training, effective instruction, training methods, developing and analyzing objectives, test and coursew are development, and classroom management. Basic skills in the use of personal computers, microsoft w ord, and microsoft Pow erPoint are strongly recommended.

Prerequisites: None
And one of the following: None

10502 International Instructor Training

Training Manager: AMA-300 Course Length: 136 hour(s)

This course is designed for international students selected by their governments to be trained as instructors. Students are trained in principles of adult learning, basic instructional methods, strategies, and techniques. Students are introduced to new instructional technology. The course includes lesson planning, training aid design, selection and usage, achievement testing, and design and use. Student classroom presentations are included for practical application of know ledge and skills learned.

Prerequisites: None
And one of the following: None

10504 On-The-Job Training (OJT) Techniques

Training Manager: AMA-300 Course Length: 40 hour(s)

This course is designed to train anyone assigned major on-the-job training (OJT) responsibilities. It consists of instruction in developing instructional objectives, identifying training needs and requirements, planning and conducting OJT, lesson planning, training progress appraisal, and record keeping.

Prerequisites: None
And one of the following: None

10507 Interactive-Video Teletraining (IVT) Skills

Training Manager: AMA-300 Course Length: 24 hour(s)

Interactive Video Teletraining (IVT) is designed to prepare course developers and instructors to convert portions of resident training and traditional classroom training to IVT. It is also designed to teach basic instructional skills and techniques, interactive methods, and equipment familiarity when delivering training via interactive video in the FAA Academy IVT studio. Class size is limited to 6 students.

Prerequisites: 10520, 10501
And one of the following: None

10512 Curriculum Development

Training Manager: AMA-300 Course Length: 48 hour(s)

This course is conducted at the FAA Academy. It was developed for personnel assigned to course development and revision duties. The course consists of approximately 48 hours of instruction, including classroom and workshop activities which emphasize the analysis, design, development, and validation of training. Workshop activities are designed to develop skills in assessing training needs, analyzing job tasks, developing training objectives, writing test items, developing lesson plans, training materials, and visual aids, selecting instructional methods and media, and validating and evaluating training.

Prerequisites: None
And one of the following: None

10513 Instructional Testing

Training Manager: AMA-300 Course Length: 32 hour(s)

This course is designed for instructors and supervisors who are or will be involved in developing, administering, or managing testing programs. Students will design and critique test items and be given an introduction to test item analysis and statistical examination of tests. Guidelines for writing test items are emphasized. Students will critique each other's work using the guidelines. Students are encouraged to bring test items for critique and analysis in closed class sessions.

Prerequisites: 10520
And one of the following: 10501

10520 Academy Basic Instructor Training

Training Manager: AMA-300 Course Length: 104 hour(s)

This course is conducted at the FAA Academy for FAA Academy instructors. It must be satisfactorily completed by all Academy instructors. The course consists of formal classroom instruction, workshop sessions, and practice teaching exercises. Each student prepares and presents teaching exercises varying in length from a 5-minute presentation to a 50-minute lesson in his or her technical area. Emphasis is placed on each student's effectiveness in performing the practice teaching exercises. Performances are evaluated by instructors against established written criteria.

Prerequisites: None
And one of the following: None

10521 Techniques for Associate Instructors

Training Manager: AMA-300 Course Length: 24 hour(s)

Prepares experienced FAA personnel to teach segments of courses offered in their fields of expertise. Course is available to any FAA division desiring utilization of full-performance-level employees to conduct short-term training. Course content includes a complete overview of teaching materials for each designated course; instructor techniques for effective communication, facilitating discussion, using media; and guidelines and suggestions for using prepared lesson plans. Students are required to prepare and present a 25-minute segment of their assigned course. Upon completion of this course, instructors will be qualified to teach only segments of specified courses.

Prerequisites: None
And one of the following: None

10526 Instructor Effectiveness Training

Training Manager: AMA-300 Course Length: 40 hour(s)

This course is designed for instructors with no prior teaching experience. It is conducted in centralized regional training facilities and at the FAA Academy in Oklahoma City. Classroom instruction includes job-centered training, roles of an instructor, learning styles, presentation techniques, interactive learning activities, questioning skills, classroom management, using media, and using lesson plans. Students are videotaped while presenting teaching exercises varying in length from 10 minutes to 30 minutes. Students are critiqued by both the instructor and peers. They are evaluated against established written criteria.

Prerequisites: None
And one of the following: None

10527 Airway Facilities Formal OJT Techniques

Training Manager: AMA-300 Course Length: 24 hour(s)

This course is for airway facilities personnel who will conduct on-the-job training (OJT). Students review AF OJT lesson plans that include instructional objectives, task steps, and training evaluation criteria. Lectures and exercises focus on instructor techniques for conducting OJT sessions; coaching and feedback; and OJT program analysis and

recordkeeping. FAA orders addressing AF OJT programs are reviewed to familiarize students with specific requirements. Each student will conduct a 30-minute simulated OJT lesson from prepared formal OJT packages. Fellow students and the instructor will give feedback on techniques used.

Prerequisites: None
And one of the following: None

10528 Course Design and Delivery for Internationals

Training Manager: AMA-800 Course Length: 40 hour(s)

This is a 5-day course designed to give participants a foundation in classroom instruction. The course includes learning styles, course design, using media, classroom management, and presentation techniques. Students will be assigned a topic and prepare a 10-minute presentation. The course concludes with participants learning how to assess performance using tests and other evaluation instruments.

Prerequisites: None
And one of the following: None

10529 Sharing Instructor Techniques

Training Manager: AMA-300 Course Length: 24 hour(s)

This course is designed for instructors who have at least 1 year of teaching experience. Activities include discussions, team activities, case studies, and a project. Topics include classroom management, course management, co-instructor relationships, power point techniques, and alternatives to lectures.

Prerequisites: None
And one of the following: 10520, 10501

10600 Safety Risk Mgmt. (SMS) Practitioner Trng; Operations Course

Training Manager: ATO-S Course Length: 32 hour(s)

The purpose of this training is to provide operations practitioners with the knowledge, skills, and tools necessary for ensuring successful application of the safety risk management (SRM) process to operational changes in the NAS. The training will provide an understanding of the FAA Safety Managment System and its documentation requirements; provide an overview of SRM principles and tools; provide in-depth knowledge and hands-on practice of selected SRM tools and processess for application to operational NAS changes.

Prerequisites: None
And one of the following: None

10601 Safety Risk Management (SRM) Practitioner-Engineering Course

Training Manager: ATO-S Course Length: 32 hour(s)

This training will provide engineering practitioners with the knowledge, skills, and tools necessary for ensuring successful application of the safety risk management (SRM) process to new systems acquisitions or modifications to existing systems. This training will provide an understanding of the FAA Safety Management System (SMS) and its documentation requirements; provide an overview of SRM principles and tools; decscribe the relationship between system engineering and SRM; provide in-depth knowledge and hands-on practice of selected SRM tools and processes for application to NAS System changes..

Prerequisites: None
And one of the following: None

12000 Introduction to NEPA Requirements and Procedures

Training Manager: AMA-620 Course Length: 62 hour(s)

This course provides FAA employees with the general knowledge to analyze and document the environmental impact of projects and to reach conclusions and make recommendations based on the environmental analysis.

Prerequisites: None
And one of the following: None

12020 Compliance and Enforcement Procedures

Training Manager: AMA-240 Course Length: 72 hour(s)

The objective of this course is to train those personnel with direct enforcement duties in the policies, regulations, documentation, and procedures required to satisfy the agency's compliance and enforcement responsibilities.

Prerequisites: 20702, 21055, 21056, 21607
And one of the following: 21603, 21601

12028 Automated Airman Certification and Rating Application (ACRA)

Training Manager: AFS-260 Course Length: 24 hour(s)

Students will learn how to use the ACRA to accomplish electronic data transfer of airman applications combined with electronic signature functionality ensuring timely issuance of permanent airman certificates. This training provides students information that will ensure applicants meet all regulatory and policy requirements prior to the issuance of the certificate; provide feedback to district, regional, and HQ offices on activities of inspectors, CFI's, and DPE's; provide electronic monitoring of the airman certification process; track pass/fail rates; and track and monitor training of the DPE to enable

efficient surveillance by inspectors and district offices.

Prerequisites: None
And one of the following: None

12032 FSIS for Aviation Safety Assistants

Training Manager: AMA-230 Course Length: 24 hour(s)

This course is for flight standards aviation support personnel, including automation specialist. It consists of classroom and computer laboratory exercises. Subject areas include: accessing the Flight Standards Information System (FSIS) in the performance of job tasks with emphasis on OASIS 3.X (document manager, PTRS, VIS, and ad hoc reports).

Prerequisites: None
And one of the following: None

12034 Environmental Liabilities for Federal Managers

Training Manager: AMA-400 Course Length: 1 hour(s)

This course provides training for managers and supervisors on personal liabilities relating to environmental laws. The course is 100% videotape. Subjects include the Environmental Protection Agency laws, National Environmental Policy Act, violations of these laws, and results of violations which can result in substantial fines and possible imprisonment for willful negligence acts.

Prerequisites: None
And one of the following: None

12051 Basic Obstruction Evaluation and Airport/Airspace Analysis

Training Manager: AMA-522 Course Length: 104 hour(s)

This course is primarily designed for air traffic, aviation standards, airports, and airway facility personnel involved in the obstruction evaluation and airport/airspace analysis programs at the Regional/Washington headquarters level. The course consists of classroom instruction and laboratory exercises. Course content includes application of CFR 77, criteria; evaluation of aeronautical effect; issuance of hazard/no-hazard determinations; obstruction marking and lighting; CFR 157 and airport improvement program (AIP), airport processing, and issuance of airport airspace determinations.

Prerequisites: None
And one of the following: None

12053 OE/AAA Refresher Training

Training Manager: AMA-522 Course Length: 36 hour(s)

This refresher training is designed for personnel presently involved in the obstruction evaluation/airport airspace analysis program at the Regional/Washington headquarters level. The refresher provides a review of applicable program documents and current FAA policy. Documents reviewed include CFR's 77 and 157, Order 7400.2, applicable advisory circulars, and MOU's. Discussions are held concerning the proper application of the standards, procedures, and policies contained in the aforementioned documents. Attendees are also requested to suggest areas to be covered prior to attending the training.

Prerequisites: 12051
And one of the following: None

12060 Flight Safety Officer Initial Training

Training Manager: ASW-209 Course Length: 24 hour(s)

This course provides training for flight safety officers that have been assigned within the FAA system. Course covers development, implementation, and management of comprehensive flight safety programs. Emphasis is placed on understanding the principles of risk assessment and management; identifying program development strategies; and applying that knowledge toward developing, implementing, and managing an effective flight safety program.

Prerequisites: None
And one of the following: None

12061 Flight Safety Officer Recurrent Technical Training

Training Manager: ASW-209 Course Length: 16 hour(s)

This course provides guidance and updated information to flight safety officers and FAA flight program organizations regarding current emphasis areas in the national safety program. This course provides a national forum for FAA flight safety officers to interface on safety issues and supports organizational safety program development. Emphasis is placed on integrating national resources for effective safety program management.

Prerequisites: None
And one of the following: None

12062 Crew Resource Management (CRM) (Initial)

Training Manager: AMA-230 Course Length: 16 hour(s)

This course is designed to ensure better communications between crew members and focus on developing crew member team skills; concentrate on crew members attitudes and behavior and their impact on safety; provide opportunities for crew members to practice the skills necessary to be effective team leaders and members, and to ensure CRM becomes an inseparable part of the organization's culture. This course is developed around crew resource management guidelines presented in FAA advisory circular 120-51.

Prerequisites: None
And one of the following: None

12063 Crew Resource Management (CRM) (Recurrent)

Training Manager: AMA-230 Course Length: 16 hour(s)

This course provides participants w ith advanced instruction in CRM and reinforcement in decisionmaking, effective communications, situational aw areness, and interpersonal skills in accordance w ith the standards outlined in Advisory Circular 120-51, Crew Resource Management (CRM). The course provides crew members w ith an opportunity to review skills and behavior patterns learned in initial CRM training, and examine the variables that influence individual and crew performance.

Prerequisites: None
And one of the following: 12062, 83226, 12064

12064 Flight Inspection Crew Resource Management (Initial)

Training Manager: AVN-160 Course Length: 24 hour(s)

This course is designed to provide flight inspection personnel CRM indoctrination and aw areness as outlined in Advisory Circular 120-51B and is related to AVN flight operations; enhances the inclusion of the technician and the FICO in the crew decision-making process; assists crew members to incorporate input from maintenance, management, ATC, airw ay facilities, and flight service; and supports a higher standard of operations and crew performance. The third day of the course addresses organizational factors that affect CRM considerations.

Prerequisites: None
And one of the following: None

12065 Flight Inspection Crew Resource Managment (Recurrent)

Training Manager: AVN-160 Course Length: 8 hour(s)

This course is designed to meet Advisory Circular 120-51B guidelines and reinforce the CRM skills learned in initial training by flight inspection personnel. The course review s and emphasizes decisionmaking, effective communications, situational aw areness, and interpersonal skills as applied to flight inspection. It addresses AVN organizational factors and stresses improved crew coordination and performance, and the appropriate use of all available resources in flight inspection operations.

Prerequisites: None
And one of the following: None

12066 Test Pilot Crew Resource Management (Recurrent)

Training Manager: ASW-209 Course Length: 8 hour(s)

This course is designed to expand and reinforce crew resource management (CRM) skills learned in initial training by aircraft certification personnel. It focuses on areas and issues pertinent to certification flight test. The course incorporates modules on CRM, human factors, error management, and safety in flight test. To receive credit for the course, students must complete all four modules.

Prerequisites: None
And one of the following: None

12067 CRM Training in Lieu of CRM (Initial)

Training Manager: ASW-209 Course Length: 16 hour(s)

This course is conducted by an air carrier to promote better communications betw een crew members; develop crew resource management skills; and ensure crew resource management becomes an integral part of the organization's culture. This course meets guidelines outlined in the current edition of FAA Advisory Circular 120-51.

Prerequisites: None
And one of the following: None

12068 CRM Training in Lieu of CRM (Recurrent)

Training Manager: ASW-209 Course Length: 8 hour(s)

This course is conducted by an air carrier and provides participants w ith advanced instruction in crew resource management and reinforcement in decisionmaking, effective communications, situational aw areness, and interpersonal skills. This course provides crew members w ith an opportunity to review skills and behavior patterns learned in initial CRM training and examine the variables that influence individual and crew performance. The course meets the guidelines outlined in the current edition of Advisory Circular 120-51.

Prerequisites: None
And one of the following: 12067, 12062

12069 R&D Pilot Crew Resource Management (Recurrent)

Training Manager: ASW-209 Course Length: 8 hour(s)

This course provides participants w ith advanced instruction in crew resource management and reinforcement in decision making, effective communications, situational aw areness, and interpersonal skills. This training provides crew members w ith an opportunity to review skills and behavior patterns learned in initial CRM training and examines the variables that influence individual and crew performance.

Prerequisites: None
And one of the following: 12062, 83226, 12064

12300 Authorware for Beginners

Training Manager: AMA-300 Course Length: 24 hour(s)

This is a hands-on course designed to introduce new coursew are developers and editors to the concepts and capabilities of authorw are. The course includes basic design and use of FAA models, templates, and libraries.

Prerequisites: None
And one of the following: None

12301 Authorware for Advanced Users

Training Manager: AMA-300 Course Length: 24 hour(s)

This is a hands-on course designed for intermediate and advanced coursew are developers and editors. The course includes design and use of FAA models, templates, and libraries.

Prerequisites: 12300
And one of the following: None

12400 (CBI) A+ Revised Operating Systems Technologies

Training Manager: AMA-480 Course Length: 44 hour(s)

This course teaches the installation, configuration, and troubleshooting of DOS and Window s-based PC's. This course covers file systems, devices and drivers, and basic DOS/Window s netw orking capabilities.

Prerequisites: None
And one of the following: None

12600 Awareness of Lockout/Tagout Procedures

Training Manager: AMA-400 Course Length: 4 hour(s)

This course provides aw areness-level training for employees w ho service and maintain FAA potentially hazardous energy (PHE) equipment. It is also for those w ho operate PHE equipment or supervise or inspect employees w ho service, maintain and/or operate PHE. The course is 85% field lecture and 15% videotape w ith a student guide. It describes the purpose and function of the FAA's Hazardous Energy Control Program in accordance w ith 29 CFR 147; 29 CFR 1960; FAA orders 3900.19a, 3900.6a; 3900.49; and Draft 3900.xxx, appendix 3.

Prerequisites: None
And one of the following: None

12601 Applications of Lockout/Tagout Procedures

Training Manager: AMA-400 Course Length: 4 hour(s)

This course provides authorized employees hands on experience in the application of lockout/tagout devices to potentially hazardous energy (PHE) equipment. The course is 10% lecture and 90% lab. The material is in accordance w ith OSHA 29 CFR 1910.147 and 1960, FAA Orders 3900.19A, 3900.6A, Draft 3900.xxx, Appendix 3, and 3900.49.

Prerequisites: 12600
And one of the following: None

12602 Resident Engineer - Fire Life Safety (FLS)

Training Manager: ANS-500 Course Length: 24 hour(s)

This course provides training for resident engineers w ho are overseeing FLS upgrades at ATCT's to inspect and accept the installation of fire life safety equipment and related features. Subjects include overview of alternate emergency standards for airport traffic control tow ers, basic fire protection/life safety codes, systems features, components, and fire protection procedures.

Prerequisites: None
And one of the following: None

12603 ATCT Fire Protection System Maintenance

Training Manager: AFZ-800 Course Length: 32 hour(s)

This course is for technicians that manage facility fire protection at their w ork sites. The course is 16 hours lecture and 16 hours laboratory and focuses on eight essential areas of facility fire protection that personnel w ill encounter on a regular basis. Lecture subjects include CFR 1960.20, smoke management systems, fire alarm systems, fire alarm circuits, fire stopping, fire alarm panel operations, fire suppression systems, fire alarm tests, and w arranties and specifications. Laboratory subjects include operation of systems circuits and maintenance.

Prerequisites: None
And one of the following: None

12605 (CBI) Safety Review for FAA Supervisors

Training Manager: AMA-400 Course Length: 2 hour(s)

This course provides training for supervisors on the supervision of OSHA requirements at a w orksite. This course is 2 hours computer-based instruction. There is no end-of-course exam.

Prerequisites: None
And one of the following: None

12606 NAS System Technical Evaluation Program (NASTEP)

Training Manager: AMA-400 Course Length: 56 hour(s)

This course provides training for technical evaluators on the National Airspace System Technical Evaluation Program (NASTEP). The course is 28 hours lecture and 28 hours laboratory. Lecture subjects include a NASTEP overview and concepts, pre-evaluation activities, report w riting, and post-evaluation activities. Lab subjects include a softw are demo, site visits, customer interview s, and entrance/exit briefings. Students must bring a laptop.

Prerequisites: 12607
And one of the following: None

12607 Intro to NASTEP

Training Manager: AMA-400 Course Length: 8 hour(s)

This course provides training for technical evaluators on the National Airspace System Technical Evaluation Program (NASTEP). This course is 8 hours correspondence study. Subjects include NASTEP guidelines and FAA Order 6040.6X.

Prerequisites: None
And one of the following: None

12608 Defensive Driving: A Crash Course

Training Manager: AMA-400 Course Length: 1 hour(s)

This course teaches airw ay facilities personnel defensive driving techniques. This course is a 2-hour videotape. Subjects include the rules of driving w ith an emphasis on defensive driving techniques and illustrations of w hat a driver can do to avoid accidents.

Prerequisites: None
And one of the following: None

12609 Minimum Training for OSHECCOM Members

Training Manager: AMA-400 Course Length: 2 hour(s)

This course provides minimum training requirements for OSHECCOM members. This course is 2 hours field lecture and is conducted at regional, headquarter, Technical Center, and Aeronautical Center locations. Subjects include Executive Order 12196, OSHA Program, 29 CFR 1960, Basic OSHA Program, 29 CFR 1910, General Industry Requirments, 29 CFR 1926, Construction Industry Standards, environmental compliance, and duties and responsibilities of OSHECCOM members.

Prerequisites: None
And one of the following: None

12610 (CBI) Environmental Due Diligence Audit (EDDA)

Training Manager: AMA-405 Course Length: 16 hour(s)

This course covers instructions for FAA personnel to prepare for an Environmental Due Diligence Audit. This course is 16 hours of computer-based instruction (CBI). Specific topics include guidance for management decision-making w ith EDDA and protecting the agency from environmental liability.

Prerequisites: None
And one of the following: None

12611 Permit Required Confined Space Entry/Attendant

Training Manager: AFZ-800 Course Length: 24 hour(s)

This course provides training on permit-required confined space entry/attendant. This course is 24 hours field lecture. Subjects include comprehensive understanding of the permit-required confined space program, calibrating and operating air monitoring equipment, behavioral and health effects from exposure to chemicals and oxygen deficiency, personal protective equipment (PPE), safe entry procudures, know ledge of permit required confined spaces, hazards of permit required confined spaces, and emergency rescure procedures.

Prerequisites: None
And one of the following: None

12612 Hazardous Energy for Authorized Employees

Training Manager: AFZ-800 Course Length: 4 hour(s)

This course provides training on hazardous energy for authorized employees. This course is 4 hours field conducted lecture. Subjects include sources and magnatude of energy, required lockout/tagout, energy isolation verification, hazardous energy control procedures, and release of hazardous energy.

Prerequisites: None
And one of the following: None

12613 Electrical Safety Awareness

Training Manager: AFZ-800 Course Length: 4 hour(s)

This course provides training on electrical safety aw areness. This course is 4 hours field conducted lecture. Subjects include identifying electrically energized parts, recognizing safe w ork zones, proper handling of portable electric equipment, de-energizing electrical equipment, and engineering practices to reduce shocks.

Prerequisites: None
And one of the following: None

12614 Electrical Safety, Including High Voltage-Qualified Person

Training Manager: AFZ-800 Course Length: 32 hour(s)

This course provides training on electrical safety, including high voltage for qualified personnel. This course is 32 hours filed conducted lecture. Subjects include lockout/tagout procedures, exposed energized parts, electrical hazards and precautions, calculating nominal voltage of exposed energized parts, demonstration of the proper use of electrical test instruments and equipment, safe w ork practices for w orking on or near exposed energized parts, restricted access to high voltage equipment, grouping requirements for high voltage equipment, and inspection and testing of personal protection equipment.

Prerequisites: None
And one of the following: None

12615 Hazard Communication, General

Training Manager: AFZ-800 Course Length: 4 hour(s)

This course provides training on general hazard communications. This course is 4 hours field-conducted lecture. Subjects include chemical health hazards, chemical physical hazards, routes of exposure, chemical exposure control, material safety data sheets (MSDS), and container labeling requirements.

Prerequisites: None
And one of the following: None

12616 Hazard Communication, Advanced

Training Manager: AFZ-800 Course Length: 4 hour(s)

This course provides training on advanced hazard communications. This course is 4 hours field-conducted lecture. Subjects include FAA Order 3900.19B, Occupational Safety and Helath Administration (OSHA) standards, FAA communications standards, material safety data sheets (MSDS) labeling requirements, filling out a blank label using MSDS data, site specific chemicals, and chemical spill clean-up.

Prerequisites: None
And one of the following: None

12617 Confined Spaces Entry Awareness

Training Manager: AFZ-800 Course Length: 2 hour(s)

This course provides training on confined space entry aw areness. This course is 2 hours field-conducted lecture. Subjects include an introduction to the confined space program and permit-required confined space program, criteria used to define a confined space, location of confined spaces, hazards associated w ith permit-required confined spaces, general entry requirements, general rescue equipment, and personal protective equipment (PPE).

Prerequisites: None
And one of the following: None

12618 General Awareness of Hazardous Entry Control

Training Manager: AFZ-800 Course Length: 2 hour(s)

This course provides training on general aw areness of hazardous energy control. This course is 2 hours field conducted lecture. Subjects include required lockout/tagout, sources of energy, and causes of injury from potentially hazardous energy.

Prerequisites: None
And one of the following: None

12619 Confined Space Entry Supervisor

Training Manager: AFZ-800 Course Length: 8 hour(s)

This course provides training for the confined space entry supervisor. This course is 8 hours field-conducted lecture. Subjects include evaluating and assessing hazards of a confined space, verifying emergency plans, validating rescue services, removing unauthorized entrants, terminating entry, and canceling permits.

Prerequisites: None
And one of the following: None

12620 Gen Employee Radiation Awareness (Ionizing and Non-Ionizing)

Training Manager: AFZ-800 Course Length: 6 hour(s)

This course provides general employee radiation (ionizing and non-ionizing) aw areness training. This course is 6 hours field-conducted lecture. Subjects include types and sources of ionizing and non-ionizing radiation, X-ray devices, biological damage and effects, w orker protection, measurement, and exposure limits.

Prerequisites: None
And one of the following: None

12622 ARTCC Fire Protection Systems Maintenance

Training Manager: AFZ-800 Course Length: 32 hour(s)

This course provides training to airw ay facilities technicians on ARTCC fire protection system maintenance. This course is 16 hours Academy lecture and 16 hours Academy laboratory. Lecture subjects include a description and purpose of system components, code requirements, testing criteria, and maintenance of systems. Lab subjects include the application of troubleshooting methodologies, operation, testing and repair of the fire alarm system, and familiarization and operation of the interfaces betw een the fire alarm

system and the Vesda and Viking Firecycle III subsystems.

Prerequisites: None
And one of the following: None

12623 Fall Protection Basic Awareness

Training Manager: AMA-405 Course Length: 4 hour(s)

This course provides training for AF technicians, engineers, FAA Technical Center personnel, and air traffic control specialists on fall protection basic aw areness. This course is 2 hours field lecture and 2 hours field laboratory. Lecture subjects include elements of fall hazards in the w ork area, procedures for fall protection, hazard identification on ladders and elevated surfaces, handling and storage of fall protection equipment, and PPE. Lab subjects include consequences of improper use of fall protection equipment, equipment demonstration, proper harness attachment, and proper attachment methods.

Prerequisites: None
And one of the following: None

12624 Fall Protection-Expert Climber

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for AF technicians, engineers, FAA Technical Center personnel, and air traffic control specialists on fall protection for expert climbers. This course is 12 hours field lecture and 12 hours field laboratory. Lecture subjects include w orkplace hazard aw areness and identification, handling, inspection and storage of fall protection equipment, and basic aw areness of rescue procedures. Lab subjects include the demonstration of the use of fall protection equipment, demonstration of proper attachment points on harness and proper attachment methods, consequences of improper use of harness, identification and use of tie-offs for w ork positioning, and performing a climb greater than 50 feet.

Prerequisites: None
And one of the following: None

12625 Fall Protection-Competent Person

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for AF technicians, engineers, and FAA Technical Center personnel on fall protection-competent person. This course is 12 hours field lecture and 12 hours field laboratory. Lecture subjects include the nature of fall hazards in the w ork area, know ledge of the hierarchy of controls, w orkplace hazard aw areness and identification, procedures for handling, inspecting, and storage of fall protection equipment, procedures for erecting, maintaining, dissassembling, and inspecting fall arrest systems. Lab subjects include vertical and horizontal lifetime selection and use, performing an advanced climb, self retracting lifelines, and basic rescue operations.

Prerequisites: None
And one of the following: None

12626 (CBI) Environmental Due Diligence Audit (EDDA) for Managers

Training Manager: AMA-405 Course Length: 16 hour(s)

This course covers instructions for FAA management personnel to prepare for an environmental due diligence audit. This course is 16 hours of computer-based instruction (CBI). Specific topics include guidance for management decision-making w ith EDDA and protecting the agency from environmental liability.

Prerequisites: None
And one of the following: None

12700 (CBI) General Safety, Health, and Environmental Awareness

Training Manager: AMA-400 Course Length: 24 hour(s)

This is a general safety aw areness CD ROM containing the Environmental Protection Agency's, Safety, Health, and Environmental Division's (SHED) basic course for safety and health inspectors. It is composed of seven general categories and 34 computer-based training modules.

Prerequisites: None
And one of the following: None

12709 (CBI) FAA Technical On-Site Representative (TOR)

Training Manager: AMA-405 Course Length: 12 hour(s)

This course is for FAA personnel w ho w ill be technical on-site representatives (TOR). This course is 12 hours computer-based instruction. Subjects include TOR responsibilities, installation documentation, coordination of installation activities, contractor acceptance inspection (CAI), JPINT acceptance inspection (JAI), and handling exceptions.

Prerequisites: None
And one of the following: None

12723 (CBI) Airport Ground Vehicle Operations

Training Manager: AMA-405 Course Length: 2 hour(s)

This course provides airfield driver training for FAA employees w ho must drive unescorted on any airfield of any airport. The course is 100% computer-based training, administered on the Internet. Subjects include identification of signs and markings w hen driving on the airport, communication using the correct aviation phraseology, and

identifying controller light signals.

Prerequisites: None
And one of the following: None

12750 (CBI) Introduction to ATS Cost Accounting

Training Manager: AMA-300 Course Length: 5 hour(s)

This course provides an orientation to cost accounting and its value to the FAA. The drivers, benefits, expectations, and management responsibilities are identified as they apply to CAS in ATS.

Prerequisites: None
And one of the following: None

12751 (CBI) UNIX for STARS

Training Manager: AMA-300 Course Length: 99 hour(s)

This course provides training for technical personnel who need to understand UNIX to support various systems. The course is 100% CBT. It can be taken over the Internet or modules may be checked out by downloading them from the Academy server to a laptop. Subjects include Solaris 2.5.1 setup, security, configuration, operations, maintenance, and backup and restore. General UNIX topics of file systems, job control, editors, shell environment and programming, data utilities, and TCP/IP for UNIX users are also covered.

Prerequisites: None
And one of the following: None

12752 (CBI) Networking Essentials

Training Manager: AMA-300 Course Length: 240 hour(s)

This course will provide training on the fundamental concepts of current networking technology encompassing the basic principles of networking, TCP/IP Protocol Suite, routing principles, and Windows NT 4.0 Server and Workstation. This coure includes: network terminology, LAN/WAN topology, components and architecture; network protocols and standards; IP classes, addresses, and subnetting; address and name resolution; distance vector and link state routing protocols; IP routing; access list; roster configuration; and Windows NT server and workstation, configuration, and management.

Prerequisites: None
And one of the following: None

12753 (CBI) Basic Telecommunications

Training Manager: AMA-480 Course Length: 8 hour(s)

This is the first of two courses of instruction in telecommunications fundamental and basic techniques involved in modern communications practices.

Prerequisites: None
And one of the following: None

12754 (CBI) Advanced Telecommunications

Training Manager: AMA-480 Course Length: 25 hour(s)

This is the second and more advanced of two courses of instruction in telecommunications. Advanced subjects include computer telephony integration. Voice over IP and packetized voice networking. Also included is an introduction to ISDN, protocols, and ISDN D-channel.

Prerequisites: None
And one of the following: None

12755 (CBI) A+ Revised* Core Hardware

Training Manager: AMA-480 Course Length: 19 hour(s)

This course covers PC configuration, PC diagnostics and repair, networking support, and maintenance and safety. This course used in conjunction with 12400, A+ Revised* Operating Systems Technologies.

Prerequisites: None
And one of the following: None

12757 (CBI) Operating Systems, Linux

Training Manager: AMA-480 Course Length: 16 hour(s)

This series of topics introduces basic Linux. Topics include system fundamentals, file management and configuration.

Prerequisites: None
And one of the following: None

12758 (CBI) Operating Systems, Solaris 2.X

Training Manager: AMA-480 Course Length: 58 hour(s)

This series of topics introduces the student to basic Solaris 2.X. Topics include system administration, user set-up, security, file management, and job control.

Prerequisites: None
And one of the following: None

12760 (CBI) Network Devices

Training Manager: AMA-480 Course Length: 43 hour(s)

This series of topics introduces the student to basic networking and devices. Topics include router configuration and management, VLANSs, IP routing, and network concepts and devices. This series is Cisco based as representative of the general class of industry standard devices.

Prerequisites: None
And one of the following: None

12761 (CBI) Operating Systems, HP-UX

Training Manager: AMA-480 Course Length: 10 hour(s)

This series of topics introduces basic HP-UX. This series will cover the essentials of HP-UX as well as file management and job control.

Prerequisites: None
And one of the following: None

12762 (CBI) Operating Systems, UNIX

Training Manager: AMA-480 Course Length: 32 hour(s)

This series of tpoics introduces basic UNIX. This series covers the UNIX file system, shells, the user environment, and using basic editors and utilities.

Prerequisites: None
And one of the following: None

12763 (CBI) Applications (Office Suite 2000)

Training Manager: AMA-300 Course Length: 35 hour(s)

This course is an introduction to the basic MS Office Suite 2000. Subjects include MS Word, MS Excel, MS Access, MS Powerpoint, Explorer, and Outlook.

Prerequisites: None
And one of the following: None

14010 Briefing and Presentation Techniques

Training Manager: AHM-1 Course Length: 48 hour(s)

This course is for managers, staff personnel, and employees who have a responsibility for conducting briefings or orientations, and for all personnel who need to improve their oral communications skills. The course consists of five lessons to be completed in approximately 15 weeks, and includes elements of the briefing process, determining objectives of a briefing, analyzing the audience, selection and use of visual aids, proper delivery techniques, practice and revision of delivery, and making the arrangements for the briefing.

Prerequisites: None
And one of the following: None

14014 Writing Improvement

Training Manager: AHM-1 Course Length: 32 hour(s)

The course consists of four lessons and deals with the fundamentals of writing improvement. Individual subjects include: arrangement of ideas and facts; writing sentences; writing paragraphs; using standard English in writing; writing letters; and organizing and writing formal reports.

Prerequisites: None
And one of the following: None

14018 On-The-Job Training (OJT) Techniques

Training Manager: AMA-300 Course Length: 32 hour(s)

This course is designed for OJT trainers and supervisors who have responsibilities for planning and conducting training on-the-job. Subject areas include the role of on-the-job training (OJT) needs and objectives, methods and techniques, training aids and instructional materials, learning and communicating, planning and conducting OJT appraisal of training processes, and OJT records and reports.

Prerequisites: None
And one of the following: None

14019 Staff Specialist

Training Manager: AHM-1 Course Length: 48 hour(s)

The course is for personnel who perform or desire to qualify for staff specialist work. The course consists of four lessons to be completed in approximately 15 weeks, and contains knowledge essential to the performance of completed staff work with emphasis on staff studies.

Prerequisites: None
And one of the following: None

14022 Principles of Instruction

Training Manager: AMA-300 Course Length: 36 hour(s)

This course is designed to provide a basic understanding of what is required to be an effective FAA instructor. It includes the qualities of a good instructor, the basic instructional methods, and the kinds of behavior that cause learning to take place. The course is divided into six chapters and two lessons.

Prerequisites: None
And one of the following: None

14025 Effective Discipline in a Changing Workplace

Training Manager: AHM-1 Course Length: 48 hour(s)

This is a learner-centered, w orkplace-oriented, correspondence course for students w ho needs to know about current FAA policies regarding conduct and discipline issues. Topics include: a complete description of w hat constitutes conduct and misconduct; discipline and escalating penalties; appeals and grievances; informal discipline and grievance resolution; discipline and collective bargaining; and interpersonal tools that can be used to reduce discipline and grievance actions. The course uses active learning techniques and on-the-job (OJT) case studies. Students w ill use self-reporting, observation, data collection, and critical analysis as self-testing techniques.

Prerequisites: None
And one of the following: None

14027 Report Analysis and Consolidation

Training Manager: AHM-1 Course Length: 40 hour(s)

This course is open to employees at all levels, but the majority of students w ill be employees in staff functions or those w ho w ish to enter staff or managerial positions. At the conclusion of training the student should be able to state the various purposes of reports and select the appropriate format for each of the major types of reports. The student w ill learn how to organize data in an orderly fashion and how to support the conclusions of the report, how to interpret common data presentation formats (graphs, charts, tables, etc.), and how to detect common errors in the interpretation of report results.

Prerequisites: None
And one of the following: None

14033 Interpersonal Skills for the Leadership Role

Training Manager: AHM-1 Course Length: 48 hour(s)

This is a student-centered, w orkplace-oriented correspondence course in interpersonal skills. It encompasses key aspects of interpersonal skills most pertinent to the leadership role. This course addresses the changing nature of w ork environments and the leadership function; maintaining objectivity in daily interactions; communicating expectations; listening, giving and receiving feedback; coaching; managing conflict; and self-assessment of interpersonal skills for formulation of a skills development plan. The course uses active learning techniques and on-the-job application. Learners w ill use self-reporting, observation, data collection, interview ing, and critical analysis.

Prerequisites: None
And one of the following: None

14038 Building Organizations and Managing Work

Training Manager: AHM-1 Course Length: 48 hour(s)

This course presents the FAA mission and helps FAA leaders advance that mission through everyday w ork. The course demonstrates how mission and goals guide development of organizational structure, w ork management, and leadership roles, and how basic skills of w ork analysis, planning, communication, and time management contribute to effective leadership. This course is designed for first-line supervisors, employees, or team members seeking advancement to leadership roles. Course topics include: organizations, missions, goals, objectives, and traditional and contemporary organizational structures. The course uses active learning techniques and w orkplace case studies.

Prerequisites: None
And one of the following: None

14040 Introduction to Basic Labor Relations

Training Manager: AHM-1 Course Length: 48 hour(s)

This is a learner-centered, w orkplace-oriented correspondence course for anyone w ho needs the introduction to basic labor relations. This course is aimed at providing a firm basis of know ledge in labor relations in an effort to better enable FAA employees to discharge their labor relations responsibilities. Modules in this course are overview , statute, agreement administration and grievances, and conduct and discipline.

Prerequisites: None
And one of the following: None

14041 The FAA Budget Process

Training Manager: AHM-1 Course Length: 48 hour(s)

This correspondence course w ill provide the historical background essential to understanding the reasons for budgeting and resource management in the federal service. It w ill also provide a thorough explanation of the federal budget process and the budget cycle as applied w ithin the FAA. The intricate interrelationships among supervisory and management functions-at all levels w ith the FAA-and goals, objectives, and operations are explained. The evaluation of operational effectiveness and efficiency, as the basis for logical management of resources, is presented in its proper relationship to planning and budgeting. It is not intended as a training instrument for analysts but is intended as general development for all FAA employees.

Prerequisites: None
And one of the following: None

14600 Occupational Safety for Supervisors

Training Manager: AMA-400 Course Length: 3 hour(s)

This course provides training for supervisors concerning their responsibilities for maintaining safety in the w orkplace. The course is

100% correspondence study, utilizing a short video w hich identifies some noncompliance situations. Subjects include standards; how to plan and conduct a safety check; and how to report hazards, incidents, and unsafe conditions.

Prerequisites: None
And one of the following: None

14602 Awareness of Lockout/Tagout Procedures

Training Manager: AMA-400 Course Length: 3 hour(s)

This course provides aw areness-level training for employees w ho service and maintain FAA potentially hazardous energy (PHE) equipment. It is also for those w ho operate PHE equipment or for those w ho supervise or inspect employees w ho service, maintain, and/or operate PHE. It describes the purpose and function of the FAA's Hazardous Energy Control Program in accordance w ith 29 CFR 1910.147; 29 CFR 1960; FAA Orders 3900.19A, 3900.6A, 3900.49, and Draft Order 3900.xxx, Appendix 3. This course is 85% correspondence study and 15% videotape 'Controlling the Beast'.

Prerequisites: None
And one of the following: None

14640 Awareness of Hazard Communication Procedures

Training Manager: AMA-400 Course Length: 3 hour(s)

This course provides aw areness-level training for employees w ho w ork w ith or may w ork w ith hazardous chemicals. It describes the purpose of the FAA's hazard communication program. It covers OSHA and FAA requirements for w ritten program, w arning labels and how to interpret them, and how to read a material safety data sheet. All are in accordance w ith OSHA Standard 29 CFR 1910.1200 and FAA Order 3950. This course is 100% correspondence study.

Prerequisites: None
And one of the following: None

16550 Executive Potential Program

Training Manager: AHR-16 Course Length: 640 hour(s)

This is a career enhancement program to provide training and development experiences for high potential individuals GS/GM 13-14 to prepare for managerial and executive positions. It is designed for occupational specialists at the journeyman level w ho are transitioning into management as a second profession. This is a year-long training program consisting of: (1) a 1-w eek orientation session; (2) three 1-w eek seminars that provide a continuum of competencies required for new and developing managers; and (3) a 4-day program close out and graduation. Each participant is required to have tw o 60-day developmental w ork assignments, interview three senior executives, and complete a 3-day shadow

Prerequisites: None
And one of the following: None

18600 Technical Personnel Examiner (TPE) Standardization - Initial

Training Manager: AFS-640 Course Length: 24 hour(s)

Material covered includes regulatory and policy background for designated mechanic examiners and designated parachute rigger examiners. The testing process and the certification packages are prepared by the designee. FAA Order 8610.4, Chapter 3; FAA Order 8300.10, Chapter 202; and Handbook Bulletin FSAW 9918 provide guidance on w hich flight standards personnel should attend.

Prerequisites: None
And one of the following: None

18601 Technical Personnel Examiner (TPE) Standardization-Recurrent

Training Manager: AFS-640 Course Length: 8 hour(s)

Material covered includes regulatory and policy background for designated mechanic examiners and designated parachute rigger examiners. The testing process and the certification packages are prepared by the designee. FAA Order 8610.4, Chapter 3; FAA Order 8300.10, Chapter 202; and Handbook Bulletin FSAW 9918 provide guidance on w hich flight standards personnel should attend.

Prerequisites: None
And one of the following: None

18602 Principal Inspector Train-The-Trainer

Training Manager: AFS-520 Course Length: 24 hour(s)

The purpose of this course is to train principal inspectors to teach Course 25704, The Foundations for Principal Inspectors. Trainees w ill have an opportunity to use the instructor guide and other learning materials developed for course 25704 to practice teaching and classroom facilitation skills. This course is highly interactive in that each trainee w ill develop and make tw o presentations using a variety of classroom delivery methods.

Prerequisites: None
And one of the following: None

18603 ANI Quality Management System

Training Manager: AMA-405 Course Length: 4 hour(s)

This course provides participants w ith a general understanding of the ANI Quality Management System (QMS). The basic structure and operating relationships of the ANI QMS is explained through the quality

manual, standard operating procedures, and work instructions. Attendees are provided specific information on the following: ANI quality manual, document and record controls, management review, internal audits, corrective and preventive actions, control of nonconforming products, enterprise models, web page applications, and the relationship of product realization SOPs and the QMS.

Prerequisites: None
And one of the following: None

18604 ISO Awareness

Training Manager: AMA-405 Course Length: 4 hour(s)

This course will address the rationale, requirements, and implementation guidelines for International Organization for Standardization (ISO) Quality Management Systems as defined by the ISO 9000:2000 series of documents. Course content includes the following: ISO 9000:2000 and supporting documents, ISO 9001:2000 requirements, the eight quality management principles, new focus of 2000 standards, registration requirements, basic procedure requirements, and basic record requirements.

Prerequisites: None
And one of the following: None

18605 Basic Project Management

Training Manager: AMA-410 Course Length: 30 hour(s)

This ANI course is designed to teach the basic knowledge and skills of project management to personnel who are involved in any phase of project management (initiating, planning, controlling, executing, or closing out). The course consists of formal classroom instruction and practice exercises. The target audience includes project engineers, lead project engineers, and resident engineers.

Prerequisites: None
And one of the following: None

18606 AANI Cost Estimating System

Training Manager: ANI-3 Course Length: 12 hour(s)

The training is designed to teach users to create new estimates, modify existing estimates, and the use of cost libraries. This course covers all of the basic functionality of success. The training provides specific instruction on the use of tool and task bars, menu items, viewers, and screen management functions. The course also contains sections covering definitions of all the applicable program components, descriptions of the methods used to navigate within the program, and information about the use of functions such as cost details, taxes, printing, direct cost and total cost, markups, and labor resources.

Prerequisites: None
And one of the following: None

18607 Radiation Hazard Measurement Procedures

Training Manager: ACB-240 Course Length: 24 hour(s)

This course provides training for technicians and engineers on radiation hazard measurement procedures for air traffic control radar and communications equipment. The course is 24 hours laboratory conducted at the FAA Technical Center. Subjects include performing ionizing and nonionizing measurements on pulsed systems, calculation of power density levels from the results of measurements, and writing a report documenting the measurement results for the Office of Spectrum Policy and Management, ASR-1. Attendees will be selected by ASR-1.

Prerequisites: 44516
And one of the following: None

18700 Trainair Air Operator Certification (Operations)

Training Manager: DTI-100 Course Length: 96 hour(s)

This is a performance-based course using traditional lectures in addition to student activities and mastery tests. This training provides basic, yet in-depth knowledge and skills in the duties involved in certificating an air operator. The course follows a 'mock' air operator seeking certification throughout the five-phase certification process. The certification process is based on ICAO standards and model aviation law, regulations, and technical guidance.

Prerequisites: None
And one of the following: None

18701 TrainAir Air Operator and AMO Certification (Airworthiness)

Training Manager: DTI-100 Course Length: 120 hour(s)

This is a performance-based course using traditional lectures, student activities, and mastery tests. The training provides basic, yet in-depth knowledge and skills in the duties involved in certificating an approved maintenance organization (AMO) and air operator from the perspective of an airworthiness inspector. The course follows a mock AMO in Part 1 of the training and a mock air operator in Part 2 seeking certification throughout the five-phases of the certification process. The certification process is based on ICAO standards and model aviation law, regulations, and technical guidance.

Prerequisites: None
And one of the following: None

18702 Trainair Air Operator Certification (TTT) (Operations)

Training Manager: DTI-100 Course Length: 24 hour(s)

Successful completion of this course is a prerequesite for all operations inspectors assigned to teach course 18700. It consists of formal classroom instruction, w orkshop sessions, and practice teaching exercises varying in length from a 10-minute up to a 50-minute presentation on any air operator certification operations training module. Emphasis is placed on each student's effectiveness in performing the practice teaching exercises. Experienced instructors evaluate performance against established w ritten criteria.

Prerequisites: None
And one of the following: None

18703 Trainair Air Operator and Amo Certification (TTT) (A/W)

Training Manager: DTI-100 Course Length: 24 hour(s)

Successful completion of this course is a prerequesite for all airw orthiness inspectors assigned to teach course 18701. It consists of formal classroom instruction, w orkshop sessions, and practice teaching exercises. Each student w ill prepare and present teaching exercises varying in length from a 10-minute up to a 50-minute presentation on any air operator and AMO certification airw orthiness training module. Emphasis is placed on each student's effectiveness in performing the practice teaching exercises. Experienced instructors w ill evaluate student performance against established w ritten criteria.

Prerequisites: None
And one of the following: None

18800 Multiengine AP, Instrument & Perf Refresher (LT Twin-Recip)

Training Manager: AFS-520 Course Length: 40 hour(s)

This course is designed for general aviation operations inspectors w ho act as flight crew members or conduct instrument or flight tests in multiengine airplanes w hich do not require a type rating by type design. The course provides training in aircraft and flight training devices, pre/post-flight briefings, and classroom instruction that includes aircraft systems and performance, new technology avionics, and review of instrument flight principles.

Prerequisites: None
And one of the following: 20700, 20702

18801 General Aviation Operations Indoctrination Ground

Training Manager: AFS-520 Course Length: 48 hour(s)

This course provides indoctrination training for new ly assigned general aviation safety inspectors (operations) in the job functions required by their specialty.

Prerequisites: None
And one of the following: None

18810 General Aviation Operations Indoctrination Flight

Training Manager: AFS-520 Course Length: 88 hour(s)

This course provides indoctrination training for new ly assigned general aviation safety inspectors (operations) in the flight job functions required by their specialty. The course consists of aircraft specific ground training lectures/labs, evaluations lecture/video labs, and practice and evaluation flights in aircraft and flight training devices.

Prerequisites: 20702
And one of the following: None

18820 Operational Approval of Advanced Avionics

Training Manager: AFS-520 Course Length: 24 hour(s)

Course intended for AC & GA operations ASI's w orking w ith Part 121, 135, and 91 Subpart K, Fractional Aircraft Operators and Corporate Operators. Course provides OPS ASI's the know ledge and skills necessary to authorize and approve the operational use of advanced avioncs. Instruction w ill include how OPS ASI should administer, process, evaluate, and approve (or deny) an operator's application to conduct flight operations using advanced avionics. Participants are provided the opportunity to understand the operational aspects of a variety of advanced avionics systems. Delivered by vendor specializing in pilot training on advanced avionics & includes hands-on training using advanced avionics

Prerequisites: None
And one of the following: None

18875 Legal Instruments Examiner Training

Training Manager: AFS-520 Course Length: 834 hour(s)

This course consists of 22 modules, taught over a 24-month period to new -hire legal instruments examiners w ith no prior know ledge of FAA regulations and procedures. The curriculum consists of instruction covering the processing of enforcement actions, the examination of applications for more than 20 different certificate types, and the familiarization, interpretation, and application of numerous federal aviation regulations and policies contained in more than 16 different orders.

Prerequisites: None
And one of the following: None

20007 B727 Inspector Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-240 Course Length: 200 hour(s)

This course is for qualification and standardization of air carrier operations inspectors. It includes 22 hours cockpit trainer and 44 hours flight and/or simulator training (22 hours pilot, 22 hours flight engineer). Subject areas include: (1) airplane systems and equipment; (2) limitations; (3) performance; (4) maneuvers; and (5) normal, abnormal, and emergency operating procedures.

Prerequisites: None
And one of the following: 21607, 21204

20056 Turboprop Initial Qualification

Training Manager: AMA-230 Course Length: 104 hour(s)

This course is for aviation safety inspectors (operations) who have responsibility to conduct flight checks (in-flight evaluations) in turboprop airplanes. It consists of classroom, synthetic trainers, and flight training (15 hours pilot/15 hours observation). Subject areas include aircraft systems, performance, single- and multi-shaft turbine engine operations, flight planning, and safe methods of in-flight evaluations. The course normally utilizes a Beechcraft King Air airplane and a Garrett-type powered turboprop simulator. Graduates of the course are eligible for 4040-2 PIC or SIC as appropriate.

Prerequisites: None
And one of the following: 20700, 20702, 21607

20107 B-727 Inspector Pilot and Flight Engineer Recurrent Qual

Training Manager: AMA-240 Course Length: 64 hour(s)

This course is for air carrier operations inspectors. Subject areas include airplane systems and equipment, limitations, performance, maneuvers, and normal emergency operating procedures. The inspector will be expected to satisfactorily complete a proficiency check in accordance with standards set forth in FAR 121, Appendix F.

Prerequisites: None
And one of the following: 21607, 21204

20113 NSET B727 Inspector Pilot and Flight Engineer Recurrent

Training Manager: AMA-240 Course Length: 64 hour(s)

This course is open to national simulator evaluation team (NSET) members only. This course is the same as Course 20107, B727 Inspector Pilot and Flight Engineer Recurrent, with the addition of 2 hours B727 aircraft flight time. The purpose is for NSET members to experience B727 aircraft flight characteristics and to apply B727 simulator handling characteristics accurately.

Prerequisites: None
And one of the following: None

20155 Turboprop Recurrent Qualification

Training Manager: AMA-230 Course Length: 48 hour(s)

This course is designed for recurrent qualification of those operations inspectors whose job functions require them to perform flight checks (in-flight evaluations) in small turboprop airplanes. The course consists of classroom, synthetic trainer (2 hours), and flight training (7 hours pilot/7 hours observation). Subject areas include aircraft systems, performance, single- and multi-shaft turbine engine operations, flight planning, and safe methods of in-flight evaluations. The course normally utilizes a Beechcraft King Air airplane and a Garrett-type powered turboprop simulator. Graduates of this course are eligible for 4040-2 PIC or SIC as appropriate.

Prerequisites: None
And one of the following: 20056

20702 General Aviation Operations Indoctrination Revised

Training Manager: AMA-230 Course Length: 144 hour(s)

This course provides indoctrination training for newly assigned general aviation safety inspectors (operations) in the job functions required by their specialty. The course consists of agency orientation, inspector job functions, and related job functions subjects, except evaluations.

Prerequisites: None
And one of the following: None

21016 Part 21

Training Manager: AMA-220 Course Length: 32 hour(s)

This course explains to aircraft certification engineers, inspectors, and flight test pilots Part 21's provisions and philosophy. It covers why certification requirements exist, history of Part 21, Policy Development (Part 11, certificate management, international issues, and enforcement, Part 13). The course stresses how type, production, and airworthiness certification are related and how Part 21 relates to the other FAR parts. Designee/delegations -- 50% discount.

Prerequisites: None
And one of the following: 21936, 21660

21017 Core Job Functions - Skills for Success

Training Manager: AMA-220 Course Length: 46 hour(s)

This course enhances inspectors, engineers, and flight-test pilots skills on communication, listening, w riting, managing w orkload, conflict management, and presentation. The course consists of a distance learning segment for the instructions and preparation of briefings, w hich must be completed prior to arriving for the resident portion of the course.

Prerequisites: 21660
And one of the following: None

21018 Aviation Safety Engineer/Systems Job Functions

Training Manager: AMA-220 Course Length: 72 hour(s)

This course provides discipline-specific training in the procedures that system engineers use on the job. It covers procedures in the type certification process as w ell as procedures for certification project management and DER management. It also covers other systems engineer related processes and specific guidance on certification of major electrical and mechanical aircraft systems. Designees/delegations - 50% discount.

Prerequisites: 21660, 21016, 21017
And one of the following: None

21019 Aviation Safety Engineer/Airframe Job Functions

Training Manager: AMA-220 Course Length: 64 hour(s)

This course provides discipline-specific training in the procedures engineers use on the job. It covers the broad spectrum of service products relating to continued operational safety, certification, and managing designees/delegations. Designees/delegations -- 50% discount.

Prerequisites: 21660, 21016, 21017
And one of the following: None

21020 Aviation Safety Inspector Job Functions

Training Manager: AMA-220 Course Length: 64 hour(s)

This course provides discipline-specific training in the procedures new inspectors use on the job. It covers the broad spectrum of service products relating to continued operational safety and certification. Designees/delegations -- 50% discount.

Prerequisites: 21016, 21017
And one of the following: 21660, 21936

21021 Aviation Safety Engineer/Propulsion 14 CFR Training

Training Manager: AMA-220 Course Length: 68 hour(s)

This course provides discipline-specific training in the technical aspects of propulsion certification engineering, including engine and propeller type certificaton, and aircraft (propulsion system installation) type certification. Design approval, production approval, and continued operational safety considerations are included. Designees/delegations - 50% discount.

Prerequisites: 21016, 21017
And one of the following: 21660, 21936

21022 Aviation Safety Program Management

Training Manager: AMA-230 Course Length: 64 hour(s)

This course provides job tasks training for FAA safety program managers, including resources availability, appointing counselors, and conducting safety seminars.

Prerequisites: None
And one of the following: None

21023 Aviation Safety Program Manager's Recurrent Training

Training Manager: AFS-810 Course Length: 24 hour(s)

This course is intended to provide recurrent training to aviation safety program managers and regional aviation safety program managers. It provides updated information on current aviation safety programs and training in those new areas that have been added to the program's scope of responsibility.

Prerequisites: 21022
And one of the following: None

21026 Suspected Unapproved Parts

Training Manager: AMA-250 Course Length: 28 hour(s)

This course defines the suspected unapproved parts policy of the agency; provides procedures to identify suspected unapproved parts; outlines investigative techniques w hich satisfy safety and enforcement responsibilities; and establishes a means of w orking w ith law enforcement agencies.

Prerequisites: None
And one of the following: None

21028 Airworthiness Safety Inspector, International

Training Manager: AMA-800 Course Length: 112 hour(s)

This course is designed to provide indoctrination for new ly assigned airw orthiness safety inspectors. The course contains airw orthiness job functions and consists of lecture and classroom interactive exercises. Job tasks specific to airw orthiness safety inspectors are the focus of the course. The course is designed to indoctrinate new inspectors in the performance of certification and surveillance functions. Fluency in English is required for participants.

Prerequisites: None
And one of the following: None

21029 Operations Safety Inspector (International)

Training Manager: AMA-800 Course Length: 88 hour(s)

This course is designed to provide indoctrination for new ly assigned operations safety inspectors. The course contains information regarding job functions and consists of lecture and classroom interactive exercises. Job tasks specific to operations safety inspectors are the focus of the course. The course is designed to indoctrinate new inspectors in the performance of certification and surveillance functions. Fluency in English is required for participants. The participant should hold an airline transport pilot certificate and a third class medical certificate.

Prerequisites: None
And one of the following: None

21030 Software Fundamentals

Training Manager: AIR-510 Course Length: 56 hour(s)

This course presents an overview of basic softw are concepts and principles needed by engineers as an educational foundation. This course is not procedures training; it w ill not provide information on how to do the job. Content covers three major areas: overview of the system life cycle; the softw are life cycle; and the softw are development process. The general role of the FAA in each of these areas is discussed. This course presents basic information on DO-178B, the guidance used by the FAA to evaluate an applicant's softw are development.

Prerequisites: None
And one of the following: None

21033 King Air C-90 Avionics Equipment Upgrade Training

Training Manager: AMA-230 Course Length: 24 hour(s)

This flight standards course is for FAA inspectors assigned to fly Beechcraft turboprops w ith new ly installed equipment. The objective of this training is to enable inspectors to operate the new ly installed equipment during flight operations. The course consists of classroom lecture, ground trainer instruction, and flight instruction in the customer's aircraft as available (and as required by the customer). The specific instructional hours may be modified to provide the most relavent training for the inspector(s) w ithin a total course length of 24 hours.

Prerequisites: None
And one of the following: 20056, 20155, 28297, 28296, 28185

21036 Check Airman Training

Training Manager: AMA-230 Course Length: 24 hour(s)

The ground and flight training include: 1) check airman duties, functions, and responsibilities; 2) applicable code of federal regulations, certificate holders' policies and procedures, and FAA orders; 3) applicable methods, procedures, and techniques for conducting the required checks; 4) proper evaluation of student performance; 5) corrective action in the case of unsatisfactory checks; and 6) approved methods, procedures, and limitations for performing the required normal, abnormal, and emergency procedures in the aircraft.

Prerequisites: None
And one of the following: None

21045 Software Job Functions

Training Manager: AIR-510 Course Length: 80 hour(s)

This course describes FAA's role in the softw are approval process, applicable policy, guidance, and job aids used to find compliance for the airborne softw are. DO-178b, FAA's guidance for determining softw are compliance, the aircraft certification softw are job aids for conducting the softw are development process, and other special engineering topics used to substantiate softw are are described. Students w ill demonstrate their understanding of DO-178b and the softw are job aid by w orking a case study that simulates the various stages of softw are review .

Prerequisites: 21030
And one of the following: None

21046 Airworthiness Standards for Digital Flight Data Recorders

Training Manager: AMA-250 Course Length: 24 hour(s)

This course is designed to provide the aviation safety inspector w ith an in-depth review of the US Code 14 CFR, Parts 91, 121, 125, 129, and 135 as they pertain to digital flight data recorders (DFDR) and DFDR aircraft systems. Course lecture and discussion covers the CFR requirements for the parameters, maintenance, and inspection programs; methods of data retrieval and examination; data retention; and system correlation documents.

Prerequisites: None
And one of the following: None

21047 Aircraft Dispatcher Functions for ASI's

Training Manager: AMA-240 Course Length: 40 hour(s)

This course will prepare aviation safety inspectors (ASI), who are also certified dispatchers, to be qualified to oversee Part 121, dispatch centers; approve and oversee Part 121, operator dispatcher training programs; and Part 65, dispatcher schools and designated aircraft dispatch examiners.

Prerequisites: 21607
And one of the following: None

21049 Suspected Unapproved Parts (SUPS) - International

Training Manager: AMA-800 Course Length: 28 hour(s)

This 3 and 1/2-day course defines the suspected unapproved parts policy of the agency. Included in this course are procedures to identify suspected unapproved parts and investigative techniques that satisfy safety and enforcement responsibilities.

Prerequisites: None
And one of the following: None

21050 Delegation Management Job Functions

Training Manager: AMA-220 Course Length: 32 hour(s)

This course teaches Aircraft Certification Service (AIR) aviation safety engineers, aviation safety inspectors, and flight test pilots the skills necessary to select, supervise, and terminate the appointments of various designees.

Prerequisites: 21016
And one of the following: 21660, 21936

21051 Structural Inspection Programs Evaluation

Training Manager: AMA-250 Course Length: 24 hour(s)

Prerequisites to this course are: General/Air Carrier A/W Indoctrination and Air Carrier A/W Advanced Indoctrination. This course provides the knowledge and skills for MX ASI's to determine that basic elements of an operator's structural MX program meet the intent of recommended guidelines and applicable regulatory requirements. Training is based on a statutory requirement contained in the Repair Assessment for Pressurized Fuselages, Final Rule, along with 14 CFR Part 121 requirements for a MX program. This course is for MX ASI's with responsibility for Parts 121, 125, 129, and 135 Air Carrier Structural MX Programs.

Prerequisites: None
And one of the following: None

21053 Orientation to the FAA and AFS

Training Manager: AMA-250 Course Length: 16 hour(s)

This course is designed for new-hire aviation safety inspectors in all specialties and safety technicians. It presents orientation information concerning the Federal Aviation Administration (FAA) and Flight Standards. Course subjects include FAA history, mission, organization, ethical conduct, model work environment, flight standards philosophy, and customer service. Training consists of lecture and classroom exercises.

Prerequisites: 27030
And one of the following: None

21054 Airworthiness Indoctrination Technical Core

Training Manager: AMA-250 Course Length: 72 hour(s)

The objective of this course is to provide basic training for new-hire airworthiness inspectors in the job tasks that pertain to both general and air carrier aviation. Training consists of lecture and classroom exercises to enhance the inspector's ability to perform tasks associated with certification and surveillance job functions. Subjects are common to both air carrier and general aviation airworthiness inspectors.

Prerequisites: 21053
And one of the following: None

21055 Air Carrier Airworthiness Indoctrination

Training Manager: AMA-230 Course Length: 40 hour(s)

The objective of this course is to provide basic training for new-hire air carrier maintenance/avionics inspectors. Training consists of lecture and classroom exercises to enhance the inspector's ability to perform tasks associated with certifications, inspection, and surveillance job functions. Subjects are in addition to the airworthiness technical core course that is unique to the air carrier airworthiness environment.

Prerequisites: 21054
And one of the following: None

21056 General Aviation Airworthiness Indoctrination

Training Manager: AMA-250 Course Length: 40 hour(s)

The objective of this course is to provide basic training for new-hire general aviation maintenance/avionics inspectors. Training consists of lecture and classroom exercises to enhance the inspector's ability to perform tasks associated with certification, inspection, and surveillance job functions. Subjects are in addition to the airworthiness indoctrination technical core course that is unique to the general aviation airworthiness environment.

Prerequisites: 21054
And one of the following: None

21057 Professional Attributes for ASI's and AST's

Training Manager: AMA-250 Course Length: 32 hour(s)

This course is designed for new-hire aviation safety inspectors in all specialties and aviation safety technicians. Course subjects include oral and written communications, interviewing concepts, conflict management, critical thinking processes, meeting and presentation skills, responsibilities in a team environment, and other topics as they relate to being a professional. Training consists of lecture and classroom exercises to enhance the aviation safety professional's ability to perform internal and external job tasks.

Prerequisites: None
And one of the following: 21053, 25711

21058 Certification and Surveillance of Part 145 Stations

Training Manager: AMA-250 Course Length: 28 hour(s)

This course provides the necessary training for inspectors assigned to perform surveillance of Part 145, Repair Stations and participate in certification project teams for AIR agencies seeking repair station certificates. The course includes information on JAA/JAR requirements. Instructional strategies include informal lecture, small group exercises, and individual exercises. The training priority for this course is as follows: current Part 145, Principal Maintenance Inspectors (PMI) and Principal Avionics Inspectors (PAI); current Part 145, Assistant PMI's and PAI's; Part 121, Assistant PMI's; and all others.

Prerequisites: 21427
And one of the following: 21909, 21055, 21056, 20702, 21607

21059 Air Cargo Operations

Training Manager: AMA-250 Course Length: 24 hour(s)

This course provides maintenance aviation safety inspectors assigned to air carriers with the information and skills needed to effectively evaluate and surveil an air carrier's procedures and equipment used in cargo operations.

Prerequisites: None
And one of the following: None

21060 B-737-800 Pilot Initial Training

Training Manager: AMA-240 Course Length: 208 hour(s)

This course is for the initial qualification of operations aviation safety inspectors needing a B737-800/BBJ type rating to perform assigned job functions. This course includes glass cockpit familiarization FME, CPT, lecture, and full-flight level D simulator in the B737-800. Subject areas include systems, performance, limitations, equipment, and normal, abnormal, and emergency procedures.

Prerequisites: None
And one of the following: None

21061 B737-800 Pilot Recurrent Training

Training Manager: AMA-220 Course Length: 72 hour(s)

This course is for the recurrent qualification of operations aviation safety inspectors needing B737-800/BBJ recurrent training. This course includes glass cockpit (FMC), CPT, lecture, and full-flight level D simulator.

Prerequisites: None
And one of the following: None

21062 Operations Specifications for Industry

Training Manager: AMA-240 Course Length: 16 hour(s)

This course provides standardized instructions in the administration, maintenance, and data entry into the operator's issued or applied for operating specifications for 14CFR aircraft operations and certificate holders.

Prerequisites: None
And one of the following: None

21406 Inspector Cockpit En Route Inspection

Training Manager: AMA-250 Course Length: 32 hour(s)

This course is designed for aviation safety inspectors who are responsible for surveillance of air carrier programs. The course consists of lecture, discussion, and lab in the following areas: preparation for an en route inspection; evaluation of preflight activities; 5-day grounding; evaluation of ground handling; in-flight performance of aircraft systems and flight crew; and documentation of inspection findings.

Prerequisites: None
And one of the following: None

21415 Aircraft Certification Systems Evaluation Program

Training Manager: AMA-220 Course Length: 24 hour(s)

This course is designed for certification personnel. It includes definitions and terms; purpose and objectives; areas of responsibilities; audit types, applications; inter-divisional/inter-functional relationships and protocol; staffing and training; audit

scheduling; program evaluation methods, preparations, performance, documentation, and reporting; and closure of audits. This course has a distance learning segment of 12 to 16 hours. Designees/delegations -- 50% discount.

Prerequisites: 21016
And one of the following: 21660, 21936

21417 Aviation Safety Technician Indoctrination

Training Manager: AMA-240 Course Length: 96 hour(s)

This course is indoctrination training provided to newly assigned aviation safety technicians. It consists of classroom instructions, laboratory exercises, and work projects. Subjects include certification, surveillance, investigation, and the accident prevention program. Personnel should receive this training within 6 months after assignment to an aviation safety technician position.

Prerequisites: 12030, 21426
And one of the following: None

21423 Flight Standards Automation Tools

Training Manager: AMA-230 Course Length: 40 hour(s)

This course is for aviation safety inspectors, technicians, and their supervisors. It consists of lecture and computer laboratory exercises. Subject areas include an overview of flight standards automation tools with emphasis on data quality. Using the Internet, ISIS, and OASIS 3.X ad hoc reports and the national FSAS query. The skills acquired in this course will enable each person to use automation tools to perform job tasks more effectively.

Prerequisites: 21426
And one of the following: None

21426 Introduction to Flight Standards Automation

Training Manager: AMA-230 Course Length: 16 hour(s)

This course introduces newly hired aviation safety inspectors and aviation safety technicians to the Flight Standards Information System and to the job tasks related to automation. A combination of lecture, exercises, and hands on computer lab will enable inspectors and technicians to enter and retrieve information from the program tracking and reporting subsystem using OASIS 3.X document manager; and retrieve and print information from the integrated safety information system.

Prerequisites: 12030
And one of the following: None

21427 Operations Specifications Subsystem (OPSS)

Training Manager: AMA-240 Course Length: 24 hour(s)

This course introduces the automated Operations Specification Subsystem (OPSS). It is designed to provide users with an overview of the OPSS operating environment and system applications.

Prerequisites: None
And one of the following: None

21428 New Automated Operations Specification Application (LAN)

Training Manager: AFS-260 Course Length: 24 hour(s)

This training will provide local area network (LAN) personnel the ability to use the new OPSS application. LAN students will spend an additional 8 hours reviewing the technical details of the installation and maintenance of this application. They will be able to assist the aviation safety inspectors to produce and issue current, accurate, and policy-correct operations specifications paragraphs in a manner compliant with safety, Congressional, OIG, and White House expectations and requirements. This training provides hands-on lessons to effectively use the new windows-based management system.

Prerequisites: None
And one of the following: None

21429 Air Transportation Oversight System (ATOS)

Training Manager: AMA-250 Course Length: 48 hour(s)

This course provides training to FAA Certificate Management Team (CMT) members assigned to specific air carriers. The course consists of integrated classroom and automation laboratory instruction in job tasks, using systematic techniques with a system safety focus. Subject areas include an overview of the ATOS process, system safety, ATOS policy and procedures, certificate management, team skills, and application of automation tools.

Prerequisites: 22006
And one of the following: None

21430 Aviation Safety Action Programs (ASAP)

Training Manager: AMA-240 Course Length: 16 hour(s)

This course will enable aviation safety inspectors, with oversight responsibilities of air carriers participating in ASAP, to better measure compliance, target resources, and facilitate system-wide policy changes through standardized guidance and training related to ASAP. Inspectors will be provided with new methods and tools they can use to review and evaluate memoranda of understanding (MOU); participate in and work with event review committees; and achieve safety work program goals and objectives.

Prerequisites: 21607, 21632
And one of the following: 21629, 21618

21607 Air Carrier Operations Indoctrination

Training Manager: AMA-240 Course Length: 104 hour(s)

This course provides indoctrination training for new ly assigned aviation safety inspectors and air carrier operations in the job tasks required of this speciality. It consists of both classroom and laboratory instruction in the inspector job tasks and physiological training. The subject areas are those related to the overall flight standards and air carrier mission.

Prerequisites: None
And one of the following: None

21609 Agricultural Aircraft Operator Certification and Inspection

Training Manager: AMA-230 Course Length: 54 hour(s)

This course is for general operations inspectors. The course covers general subjects relating to agricultural operations; provides an in-depth look at economic poisons (pesticides) and FAR 137; prepares inspectors to administer a know ledge and skills test, conduct a base inspection of an agricultural operator, and certify an agricultural operator. Inspectors w ill also learn the procedures for evaluating and monitoring a congested area plan and inspecting an FAR 137 dispensing operation.

Prerequisites: 20702
And one of the following: None

21621 Air Carrier Operations Inspector Job Functions (Recurrent)

Training Manager: AMA-240 Course Length: 24 hour(s)

This course is primarily designed for aviation safety inspectors (air carrier operations) assigned duties w ith FAR 121, Air Carriers. Subjects presented in each class are chosen on the basis of job tasks most recently altered by handbook changes or other flight standards policy changes.

Prerequisites: None
And one of the following: 21607, 21617

21632 Air Carrier Operations Inspector Transition Training

Training Manager: AMA-240 Course Length: 64 hour(s)

This course is designed for general aviation (GA) inspectors w ho transition into the air carrier specialty. Training consists of lectures, exercises, and examinations designed to enhance the inspector's ability to perform tasks associated w ith certification and surveillance of title 14 CFR, Part 121 air carrier.

Prerequisites: None
And one of the following: 20700, 20702

21660 Aircraft Certification Indoctrination

Training Manager: AMA-220 Course Length: 56 hour(s)

This course is an aircraft certification course for new ly assigned engineers, flight test pilots and aviation safety inspectors (manufacturing). Subject areas include the mission and organization of the FAA and Aircraft Certification Service (AIR); the roles and responsibilities of technical specialists w ithin AIR; regulations, orders, and policy guidance that describe the w ork of specialists and the products or services they provide; requirements for type, production, and airw orthiness certification programs; appointment of designees and delegated facilities; continued airw orthiness programs and the role of specialists w ithin them. Designee/delegations -- 50% discount.

Prerequisites: None
And one of the following: None

21811 Aircraft Alterations and Repairs

Training Manager: AMA-250 Course Length: 32 hour(s)

This course is designed for FAA airw orthiness (maintenance and avionics) inspectors w ho are responsible for approving alterations and repairs of aircraft. The course consists of discussion, analysis, and application of alteration and repair problems. The course includes a study of the follow ing areas of alteration and repair processes: applicable references; alteration and repair approval decisions in relation to aircraft w eight and balance, structural strength, performance, and pow erplant operations; and flight characteristics. This course is designed to enhance inspector know ledge using interactive learning, task-oriented course content, and problem-solving approaches.

Prerequisites: None
And one of the following: None

21824 Altimetry and Barometry

Training Manager: AMA-250 Course Length: 32 hour(s)

This course is for airw orthiness (avionics) inspectors. Subject areas include altimetry problems, physics of the atmosphere, atomospheric measurement standards, units and dimensions, types of barometers and manometers, solid-state barometric techniques, installation calibration, correction and acceptable maintenance practices relative to barometer installations, standard procedures used in the connection w ith pressure observations, reduction of pressure altimetry aircraft pitot static systems, altimeters, air speed indicators, etc.

Prerequisites: None
And one of the following: None

21825 Avionics Test and Measuring Equipment

Training Manager: AMA-250 Course Length: 32 hour(s)

This course is for airworthiness (avionics) inspectors. Subject areas include: test equipment; calibration and maintenance techniques; test equipment requirements; equivalent test equipment; and ATE concepts. The characteristics of test equipment used in maintaining the following A/C systems: NAVCOM, DME, XPNDR, radar, fuel quantity indicating, flight guidance, DFDR, CVR, radio altimeter, and EPR/EGT/RPM indicating are also covered.

Prerequisites: None
And one of the following: None

21846 Avionics Certification Procedures

Training Manager: AMA-250 Course Length: 68 hour(s)

This course is for airworthiness (avionics) inspectors. Subject areas include familiarization with the concepts and general principals of advanced and/or new avionics systems and their related installation issues. Emphasis is placed on alteration approval requests, their regulatory requirements, applicable special considerations, as well as, airworthiness and operational considerations.

Prerequisites: 21811
And one of the following: None

21936 AIR Indoctrination Applications

Training Manager: AMA-220 Course Length: 24 hour(s)

This course is intended to provide Aircraft Certification Service's (AIR) new employees with an overview of the general knowledge they will require to perform their jobs effectively. Subjects include: AIR's mission, vision and values, roles and responsibilities, regulations and policy, type, production and airworthiness certification, continued operation of safety management, international considerations, and designees and delegates.

Prerequisites: 27936
And one of the following: None

22000 Information Technology for Computer Specialists/Assistants

Training Manager: AMA-230 Course Length: 56 hour(s)

This indoctrination training is provided to all current and newly assigned Flight Standards (AFS) regional and field office computer specialists and computer assistants. It consists of classroom instruction, hands-on training, and laboratory exercises. Subjects include: Windows 2000 server configuration; administration; utilities; disaster recovery; print servers; AFS basic client workstation and software; OASIS 3.x administration; ad hoc reports; workstation hardware; and troubleshooting. AFS personnel should receive this training upon assignment to an AFS regional/field office computer specialist or computer assistant position. Personnel who function in the capacity as backup also need this training.

Prerequisites: None
And one of the following: None

22005 SPAS Safety Performance Analysis System

Training Manager: AMA-240 Course Length: 32 hour(s)

This course trains aviation safety inspectors (ASI), aviation safety technicians (AST), and safety data analysts/operations research analysts to use the Safety Performance Analysis System (SPAS). A combination of lecture, discussion, and hands-on computer laboratory modules are used to teach the user how to navigate through the system to obtain vital information.

Prerequisites: 21423, 21426
And one of the following: None

22006 System Safety

Training Manager: AMA-250 Course Length: 24 hour(s)

The purpose of this course is to train FAA aviation safety inspectors on system safety and risk management processes and the importance of both as they relate to systems management. This will be accomplished by demonstrating how system safety and risk management are used throughout the FAA environment.

Prerequisites: None
And one of the following: None

22007 ATOS Overview

Training Manager: AMA-250 Course Length: 24 hour(s)

This course is designed to familiarize industry personnel, international students, and government agencies other than FAA with ATOS. It will provide instruction on ATOS access, ATOS System including the tools, and the policy and guidance that make the ATOS System work.

Prerequisites: None
And one of the following: None

22008 ATOS Overview for Headquarters and Regional Staff

Training Manager: AMA-250 Course Length: 24 hour(s)

This course is designed to familiarize headquarters personnel and regional staff personnel with the ATOS process. It will provide instructions on the ATOS access, ATOS report content, and availability.

Prerequisites: None
And one of the following: None

22100 FAR Part 135, Air Carrier Operations

Training Manager: AMA-230 Course Length: 72 hour(s)

This course is for new ly assigned general operations inspectors and specialists w hose duties include the certification, inspection, and surveillance of air taxi operators and operations. The objective of this course is to train these personnel in the regulations, policies, procedures, and documentation required to satisfy the agency's responsibilities regarding air taxi operations.

Prerequisites: 20702
And one of the following: None

22101 Pilot School Certification

Training Manager: AMA-230 Course Length: 56 hour(s)

This course is for general operations supervisors, inspectors, and specialists. The objective of this course is to train operating personnel in the regulations, policies, and procedures relating to pilot school certification and surveillance.

Prerequisites: 20702
And one of the following: None

22102 Flight Simulator Evaluation

Training Manager: AMA-240 Course Length: 40 hour(s)

Training is for ASI's (operations) and consists of classroom simulator instruction in the techniques, procedures, policies, and criteria of evaluating, qualifying, and approving simulators and flight training devices. The training enables inspectors to understand the process to conduct initial and recurrent evaluations of simulators and flight training devices and conduct surveillance of simulators and flight training devices. Students w ill be involved in the simulator w ith the use of the Fokker control loading measuring equipment, visual latency and through-put delaly checks, motion checks, performance tests from the master qualification test guide, and functional checks.

Prerequisites: None
And one of the following: 21607, 20702

22104 FAR Part 135, Air Carrier Cert and Inspection (Recurrent)

Training Manager: AMA-230 Course Length: 56 hour(s)

This course is primarily air carrier and general operations inspectors assigned duties and responsibilities for FAR 135 operators. It consists of classroom and lab for initial certification, surveillance, en route inspection, airplane performance, simulator and training device approval, training programs, operation specifications, minimum equipment lists, check airman approval, and aircraft proving and validation tests.

Prerequisites: 22100
And one of the following: None

22518 Nondestructive Inspection and Evaluation

Training Manager: AMA-220 Course Length: 28 hour(s)

This course is for ASI's (manufacturing and airw orthiness) w ith at least 1 year of field experience w ho certify and perform quality assurance audits or surveillance of NDT facilities. Operation of instructional and engine certification engineers, w ho require know ledge of modern NDT techniques, may also attend. The course provides training in major NDT methods and requirements for facilities and operators to establish NDT functions. Subjects include: NDT methods and techniques; certification of facilities and operators; NDT audit requirements; and surveillance techniques. Exercises and simulations provide practical application of NDT techniques in certifications and audits.

Prerequisites: None
And one of the following: None

22600 Evaluation of Aviation Management Systems

Training Manager: AMA-250 Course Length: 64 hour(s)

This course is designed for aviation safety inspectors (ASI) and manufacturing inspectors. The course consists of classroom and w orkshop instruction on methods used to evaluate the effectiveness and value of aviation management systems. Course instruction includes types of organizations, organizational principles, company evaluation planning, management concepts, essentials of system design, methods of charting, problem/decision analysis, procedure analysis, block and linear responsibilities, interview techniques, identification of policy/procedures, and report preparation.

Prerequisites: None
And one of the following: 21607, 21603, 21601, 20700, 20702

22602 Advanced Qualification Program -- Aviation Safety Inspector

Training Manager: AMA-230 Course Length: 28 hour(s)

This course prepares trained aviation safety inspectors to perform the certification and surveillance functions unique to certificate holders w ho are developing and/or operating advanced qualification programs. This course teaches inspectors the advanced qualification program process, how to provide surveillance of single-visit training programs, and how to review advanced qualification program documents. It provides hands-on experience review ing documents and evaluating video-taped, line-oriented evaluation scenerios. It also teaches data collection and analysis methods.

Prerequisites: None
And one of the following: None

25004 Fractional Ownership Familiarization

Training Manager: AFS-520 Course Length: 8 hour(s)

The target audience for this briefing comprises persons with an 1825 job classification including managers. This training provides an overview of the new fractional ownership rule. The course includes a discussion of the background and history of the rule; major features of the rule; the application process; transition process; surveillance; accident/incident investigations; and compliance and enforcement. The training is supplemented with powerpoint slides and paper materials distributed to participants. There are no tests associated with this training.

Prerequisites: None
And one of the following: None

25006 Air Transportation Oversight Sys (ATOS) Recurrent Training

Training Manager: AFS-900 Course Length: 16 hour(s)

Provides Air Transportation Oversight System's certificate management team aviation safety inspectors with the knowledge and skills needed to inspect and surveil operators in accordance with current ATOS policies and procedures, utilizing current data collection tools and current automation features.

Prerequisites: None
And one of the following: None

25008 Flight Standards Geographic Inspector Training Course

Training Manager: AFS-530 Course Length: 8 hour(s)

This course is designed for flight standards air carrier inspectors (operations and airworthiness) who are assigned to geographical inspection and surveillance responsibilities. Scheduling will be arranged through the Flight Standards Inspector Resource Management Branch (AFS-520).

Prerequisites: None
And one of the following: 21601, 21607

25011 (CBI) Eddy Current Inspections

Training Manager: AFS-520 Course Length: 8 hour(s)

This course consists of six lessons to teach the student academic knowledge and procedural skills associated with a particular element of eddy current inspections. Instructions will focus primarily on principles, techniques, technologies, and general equipment, rather than on any particular piece of hardware or procedure. The eddy current instruments selected for this course are Centurion models ED-520, ED-530, and ED-810 (previously Magnaflux models ED-520, ED-530, and ED-810). This course was purchased from Integrated Logistics International. It was designed for the aviation industry and has not been modified by or for the FAA.

Prerequisites: None
And one of the following: None

25012 (CBI) Autopilot Servos & Approach Coupling Systems

Training Manager: AFS-520 Course Length: 8 hour(s)

This course consists of five lessons to teach the student the academic knowledge and procedural skills associated with a particular element of autopilot servos and approach coupling systems. Instructions will focus primarily on principles, techniques, technologies, and general equipment, rather than on any particular piece of hardware or procedure. This course was purchased from Integrated Logistics International. It was designed for the aviation industry and has not been modified by or for the FAA.

Prerequisites: None
And one of the following: None

25013 (CBI) Aircraft Electronic Comm. & Navigation Systems

Training Manager: AFS-520 Course Length: 8 hour(s)

This course consists of six lessons to teach the student the academic knowledge and procedural skills associated with a particular element of aircraft electronic communication and navigation systems. Instructions will focus primarily on principles, techniques, technologies, and general equipment, rather than on any particular piece of hardware or procedure. This course was purchased from Integrated Logistics International. It was designed for the aviation industry and has not been modified by or for the FAA.

Prerequisites: None
And one of the following: None

25014 (CBI) Ultrasonic Inspections

Training Manager: AMA-260 Course Length: 10 hour(s)

This course consists of six lessons to teach the student the academic knowledge and procedural skills associated with a particular element of ultrasonic inspections. Instructions will focus primarily on principles, techniques, technologies, and general equipment, rather than on any particular piece of hardware or procedure. The ultrasonic instruments selected for this course are the Centurion models FX-1 and PS-710B (previously Magnaflux models FX-1 and PS-710B). This course was purchased from Integrated Logistics

International. It was designed for the aviation industry and has not been modified by or for the FAA.

Prerequisites: None
And one of the following: None

25015 (CBI) Aircraft Instrument Systems

Training Manager: AFS-520 Course Length: 8 hour(s)

This course consists of seven lessons to teach the student the principles and functions of aircraft instrument systems, including: direction instruments, the pilot static system, gyroscopic instruments, remote indicating instruments, and autopilot. Instruments are taught in general equipment detail, with a thorough explanation of applicable terminology, principles of analog and digital operations, location of instruments on the panels operational testing, maintenance procedures, and associated CFR's. This course was purchased from Integrated Logistics International. It was designed for the aviation industry and has not been modified by or for the FAA.

Prerequisites: None
And one of the following: None

25017 (CBI) Intro to Compliance & Enforcement Procedures (X-SEC)

Training Manager: AMA-260 Course Length: 15 hour(s)

This course covers preparation and processing of an enforcement investigative report (EIR) including the preparation and conduct of an investigation, evidence, interpretation of regulations, witness interviews, sanction guidance tables and remedial training, adjudication, and providing testimony. The course is based on FAA Order 2150.3A, Compliance and Enforcement.

Prerequisites: None
And one of the following: None

25018 Flight Standards Air Carrier Evaluation Program

Training Manager: AFS-900 Course Length: 8 hour(s)

This course provides training on how to implement the evalulation program. The objective of the program is to identify and mitigate an air carrier's operational risks through verification of regulatory compliance and to heighten safety awareness through the application of system safety. The course is designed for FAA air carrier inspectors who are designated as air carrier evaluation program liaisons, regional air carrier program coordinators, evaluation project managers, and personnel who are assigned to certificate managment teams.

Prerequisites: None
And one of the following: None

25019 (CBI) Managing Voluntary Disclosure

Training Manager: AFS-520 Course Length: 1 hour(s)

This course gives an overview of disclosure policy and case studies to teach aviation safety inspectors their responsibilities when operators voluntarily disclose unsafe practices or FAR violations.

Prerequisites: None
And one of the following: None

25020 (CBI) Aircraft Speed & Config. Warning & Antiskid System

Training Manager: AFS-520 Course Length: 8 hour(s)

This course consists of six lessons to teach the student the academic knowledge and procedural skills associated with a particular element of aircraft speed and configuration warning and antiskid systems. Instruction will focus on general principles, techniques, and technologies associated with these systems, rather than on any particular piece of hardware or procedure. This course was purchased from Integrated Logistics International. It was designed for the aviation industry and has not been modified by or for the FAA.

Prerequisites: None
And one of the following: None

25021 (CBI) Compliance and Enforcement Interactive Simulation

Training Manager: AFS-520 Course Length: 10 hour(s)

This simulates seven different cases of noncompliance. Some have multiple versions, based on varying circumstances that range from improper training to intentional violation of the FAR's. The student will navigate each case through an entire enforcement information report (EIR) process and recommend a final sanction. These simulations were demonstrated at compliance and enforcement seminars in 1990 and provide excellent refresher training for aviation safety inspectors. There is a set of four interactive videodiscs required to take this course: (1) TCA/Trim Tab; (2) Beach Buzz/Wing Bolts; (3) Rock Battery/Gual Air; and (4) Global Air/Introduction.

Prerequisites: None
And one of the following: None

25022 Flight Standards Air Carrier Evaluation Program Orientation

Training Manager: AFS-900 Course Length: 4 hour(s)

This course is designed to teach both FAA air carrier inspectors and air carrier personnel how to implement the evaluation program. The objective is to identify and mitigate an air carrier's operational risks through verification of regulatory compliance and to heighten safety awareness through the application of system safety. The program is

also designed to identify and mitigate operational risks in partnership with the air carrier.

Prerequisites: None
And one of the following: None

25023 (CBI) Crew Resource Management

Training Manager: AMA-260 Course Length: 4 hour(s)

This course provides the student with the skills needed to effectively manage the cockpit, crew, and resources during emergency procedures. These skills can be used to evaluate the pilot-in-command and second-in-command during inspections of an operator.

Prerequisites: None
And one of the following: None

25024 (CBI) Electronic Instrument System - Honeywell

Training Manager: AFS-520 Course Length: 10 hour(s)

This CBI course is designed for AIR and AFS personnel who require an overview of the operation of the Honeywell EIS. The course includes EIS graphics and fault annunciation, all display and control features, en route operation, reversion modes, interface with the flight management system, and all associated equipment. The student practices performing approaches using high-fidelity representation of the actual system.

Prerequisites: None
And one of the following: None

25027 AFS Flight Program Check Pilot Standardization

Training Manager: AFS-260 Course Length: 24 hour(s)

The course qualifies AFS King Air instructors to be standardization check pilots for the AFS flight program. Ground and flight training includes: check pilot duties and responsibilities; program policy and procedures; provisions of FAA orders pertaining to AFS flight program participants; procedures and techniques for conducting flight program checks; evaluation of flight program participants' performance; corrective action for unsatisfactory flight checks; and standardized procedures and limitations for performing normal, abnormal, and emergency procedures in FAA aircraft or simulators.

Prerequisites: None
And one of the following: None

25028 (CBI) JAA/JAR Part 145

Training Manager: AMA-200 Course Length: 16 hour(s)

This course is designed to prepare flight standards airworthiness inspectors dealing with domestic repair stations to implement the Joint Aviation Requirement (JAR), Part 145 supplemental requirements, conduct a domestic repair station inspection in accordance with JAR 145, and report their findings to the Joint Aviation Authority.

Prerequisites: None
And one of the following: None

25029 (CBI) FAR 129 Inspections of Foreign Operated Aircraft

Training Manager: AMA-200 Course Length: 8 hour(s)

Designed for aviation safety inspectors with direct job responsibilities related to foreign carriers. Prepares inspectors to successfully conduct ramp inspections of foreign air carriers providing them experience and relevant computer-based training exercises. Students will not be applying the same standard to foreign carriers as they do to domestic carriers; instead, will focus geographic surveillance on ramp inspections of foreign air carriers operating into the United States in accordance with all applicable FAR's; ICAO requirements, standards, and recommended practices; and other applicable directives. Skills outlined in the course are critical to the FS mission and goals.

Prerequisites: None
And one of the following: None

25030 (CBI) Phase I Orientation for New A/W Inspectors

Training Manager: AMA-260 Course Length: 10 hour(s)

This course, Phase I of IV, is designed for the newly hired aviation safety inspector (Airworthiness). This phase is an orientation that will teach the student the history and organization of the FAA, flight standards, and the Academy. The inspector will be provided a job overview that defines his or her roles and responsibilities. Also included in this course are tools and resources for inspectors, an introduction to Flight Standards Automation Systems, terminology, and an overview of the Federal Aviation Regulations (FARs).

Prerequisites: None
And one of the following: None

25031 (CBI) Phase II Basic Tasks for New A/W Inspectors

Training Manager: AMA-200 Course Length: 20 hour(s)

This course, Phase II of IV, is designed for the newly hired aviation safety inspector (airworthiness). This phase covers basic airworthiness inspections, authorizations, evaluations and reports as required by FAR, parts 65, 21, 43, 183, 12, and 135.

Prerequisites: None
And one of the following: None

25032 (CBI) Phase III Surveillance/Inspections Tasks for A/W ASI's

Training Manager: AMA-200 Course Length: 13 hour(s)

This course, Phase III of IV, is designed for newly hired aviation safety inspectors (airworthiness). This phase teaches the inspector to perform surveillance tasks as required by FAR, parts 91, 121, 125, 133, 135, 137, and 141; and section 609 of the FAA Act.

Prerequisites: None
And one of the following: None

25033 (CBI) Phase IV Certification Tasks for New A/W Inspectors

Training Manager: AMA-200 Course Length: 10 hour(s)

This course, Phase IV of IV, is designed for the newly hired aviation safety inspector (airworthiness). This phase teaches the inspector to perform basic certification tasks in accordance with FAR, Parts 121, 125, 135, 145, and 147.

Prerequisites: None
And one of the following: None

25036 System Safety/ATOS Seminar

Training Manager: AMA-250 Course Length: 32 hour(s)

This course is designed to familiarize personnel from government agencies other than FAA, industry personnel, and international students with system safety and risk management processes and the importance of both as they relate to systems management. Also, it will provide instructions on ATOS access; ATOS system, including the tools; and the policy and guidance that make the ATOS system work. This will be accomplished by demonstrating how system safety, risk management, and ATOS are used throught out the FAA environment.

Prerequisites: None
And one of the following: None

25500 Operations Specifications Subsystem (OPSS)

Training Manager: AMA-200 Course Length: 16 hour(s)

This field delivered course is conducted by AFS-200 personnel for the flight standards community. The course provides an introduction and overview of the new Operations Specifications Subsystem (OPSS) and the new Flight Standards Information System (FSIS).

Prerequisites: None
And one of the following: None

25700 CSET Team Leader Training Phase 1 (Communication)

Training Manager: AFS-900 Course Length: 24 hour(s)

This training provides new certification, standardization, and evaluation team (CSET) leaders with advanced skills to enhance communication in a virtual environment and addresses issues to ease the transition to becoming a team leader. CSET team leaders participate in learning exercises in collecting data through interviews and meetings with FSDO managers and others; analyzing findings and recommending solutions; and writing weekly reports, E-mails, and briefings on project status and activities using a structured logical approach. This is the first of two phases of training for new CSET team leaders.

Prerequisites: 01251
And one of the following: None

25702 Flight Standards on the Job Training

Training Manager: AFS-520 Course Length: 24 hour(s)

The purpose of this 3-day course is to prepare designated flight standards OJT instructors to plan, develop, and deliver an OJT session at levels 1, 2, and 3. Upon completion of this course, participants will be able to conduct OJT according to the current OJT requirements and standards.

Prerequisites: None
And one of the following: None

25703 Train-The-Trainer for Regional OJT

Training Manager: AFS-520 Course Length: 16 hour(s)

This course is for regional OJT instructors who attended Course 10530 at the FAA Academy June 26-28,2001. The purpose of the course is to train regional trainers to deliver course 10530, customized to their regions needs, and to designated OJT instructors. This course will be valid until 12/31/01 or until the Academy schedules additional sessions of 10530 to accommodate flight standards need for trained OJT instructors. Trainees will review principles of adult education and teaching strategies, write a lesson plan, and teach the lesson. Peer and instructor feedback will be received.

Prerequisites: 10530
And one of the following: None

25704 Foundations for Principal Inspectors

Training Manager: AFS-520 Course Length: 24 hour(s)

This 24-hour classroom course for principal inspectors introduces flight standards' emerging philosophy of doing business and provides principal inspectors with the necessary tools to communicate effectively with industry in order to maximize industry's ability to achieve compliance with FAA regulations. It addresses developing collaborative relationships, decision making, communication protocol, and the PI's toolbox.

Prerequisites: None
And one of the following: 21607, 21629, 21909, 20702

25705 Fractional Ownership Transition Presentation

Training Manager: AFS-520 Course Length: 16 hour(s)

This presentation is intended for flight standards inspectors with responsibilities for fractional ownership management companies during the rule transition period. It will prepare flight standards inspectors to implement the new fractional ownership rule as they work with fractional ownership management companies. The presentation addresses the background and history of the rule, a discussion of the rule, a detailed discussion of the application process, and the transiton process. In addition, the impact of the rule on surveillance, accident/incident investigations, and compliance and enforcement is discussed. The presentation is delivered via informal lecture. No tests are associated with this presentation.

Prerequisites: None
And one of the following: None

25706 Advanced Qualification Program -- Aviation Safety Inspector

Training Manager: AFS-520 Course Length: 24 hour(s)

This course prepares trained aviation safety inspectors to perform the certification and surveillance functions unique to certificate holders who are developing and/or operating advanced qualification programs. This course teaches inspectors the advanced qualification program process, how to provide surveillance of single-visit training programs, and how to review advanced qualification program documents. It provides hands-on experience reviewing documents and evaluating video-taped, line-oriented evaluation scenerios. It also teaches data collection and analysis methods.

Prerequisites: None
And one of the following: None

25707 Performance Planning and Budget Integration

Training Manager: AFS-520 Course Length: 24 hour(s)

This 3-day course is designed for managers and staff personnel involved in developing performance measures for their organization and linking them to the budgeting process. Participants will explain how organizational performance measurement supports organizational performance management and examine the life cycle of the budget development process. Upon completion of the course, participants should be able to develop effective performance goals for both outcomes and outputs and integrate them with the budgeting process. Instructional methods include guided discussions, readings, written skill practices, and interactive exercises.

Prerequisites: None
And one of the following: None

25708 Remotely-Sited Inspector Indoctrination

Training Manager: AFS-520 Course Length: 28 hour(s)

The purpose of this course is to prepare remotely sited inspectors (RSI) with the knowledge and skills to meet the challenges of a virtual environment and to produce an awareness and understanding of their responsibilities to the certificate management office. More specifically, the following topics will be addressed: philosophy and foundation of the RSI positions; roles and responsibilities; challenges and benefits of the position; the art of communicating; building team trust; and the RSI's automation tool box.

Prerequisites: None
And one of the following: None

25709 Flight Operational Quality Assurance (FOQA)

Training Manager: AFS-520 Course Length: 16 hour(s)

This course introduces the basic concepts of FOQA. The purpose of the course is to provide key information for air carrier operations ASI's (Parts 119, 121, and 135) with oversight responsibility for their operator's approved FOQA implementation and operation (I&O) plans, participating in joint reviews of operator FOQA aggregate trend data, and understanding roles and joint responsibility for corrective actions taken for adverse safety trends revealed by FOQA.

Prerequisites: None
And one of the following: None

25711 New-Hire Orientation to the FAA and AFS

Training Manager: AFS-520 Course Length: 16 hour(s)

This course is designed for new-hire aviation safety inspectors in all specialties and safety technicians. It presents orientation information concerning the FAA and Flight Standards. Course subjects include FAA history, mission, organization, ethical conduct, model work environment, flight standards philosophy, customer service, and responsibilities in a team environment. Training consists of lecture and classroom exercises.

Prerequisites: 27030
And one of the following: None

25712 Air Carrier Continuing Analysis and Surveillance System

Training Manager: AFS-310 Course Length: 40 hour(s)

The course is for airworthiness inspectors with certificate management duties involving Parts 121 and 135 (10 or more) air carriers. Subjects include QA functions/processes as the basis for understanding CASS and how the air carrier should use CASS to measure effectiveness and performance of all elements of its maintenance program. Instructions are given on auditing techniques; qualitative, and quantitative analytical techniques; methods, techniques, and thought processes used to establish or modify scheduled maintenance tasks and intervals as well as determine the effectiveness of the scheduled maintenance program.

Prerequisites: None
And one of the following: None

25800 Introduction to Aircraft Loads/Basic Loads

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of ten overviews of technical topics in the airframe engineering curriculum. Particpants will be able to gain a basic understanding of the importance of loads data to the overall design and manufacture of fixed wing aircraft, how loads are developed and used, methodologies for generating and validating loads data, and how loads are reported to the FAA and what to do with these data.

Prerequisites: None
And one of the following: None

25801 Damage Tolerance

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of ten overviews of technical topics in the airframe engineering curriculum. Participants will be able to: identify and use the appropriate FAR sections for reviewing the DTE report; verify the validity and accuracy of all the supporting analysis and test data to support the evaluation; and determine when it is appropriate to seek advice from a national resource specialist or other expert in evaluating the data.

Prerequisites: None
And one of the following: None

25802 Software Fundamentals: Computer Science Lesson

Training Manager: AMA-220 Course Length: 8 hour(s)

(Self-study video). This mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. It provides an overview of basic computer concepts, principles, and terminology and its relationship to aircraft. Participants will be able to: explain the key elements of computers, their interactions, and application to aircraft; describe how computers process instructions; describe the interaction of software with hardware; explain embedded and general purpose computers and their use in aircraft; define key software terminology; and explain the need for assurance for software and hardware.

Prerequisites: None
And one of the following: None

25803 Flutter/Aeroelastic Stability

Training Manager: AMA-220 Course Length: 8 hour(s)

(Self-study video). This mini-course is one in a series of ten overviews of technical topics in the airframe engineering curriculum. Participants will be able to: recognize the characteristics of different types of aeroelastic instabilities; list the relevant FAR requirements; review applicant's flutter certification plan and understand the approach to demonstrate compliance; describe parameters that effect aeroelastic stability and relate them to design features and changes; and understand the education, training, and experience necessary to make journey-level findings of compliance.

Prerequisites: None
And one of the following: None

25804 Repairs and Modifications

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of ten overviews of technical topics in the airframe engineering curriculum. Participants will be able to: recognize the differences between repair and an alteration, major and minor repairs, major and minor alterations; list the relevant FAR's addressing repairs and alterations; recognize how typical alterations impact airworthiness; and recognize the steps in the STC approval process.

Prerequisites: None
And one of the following: None

25805 Composite Materials

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video.) This mini-course is one in a series of ten overviews of technical topics in the airframe engineering curriculum. Participants will be able to: verify that the material systems selected meets recommended selection criteria; verify that appropriate considerations are taken into account in the static strength demonstration; verify that appropriate material/processing variability considerations are included in damage tolerance testing and that appropriate residual strength considerations are addressed; and determine when it is appropriate to seek advice from an NRS or other expert in evaluating structural substantiation programs.

Prerequisites: None
And one of the following: None

25806 Introduction to Metallurgy

Training Manager: AMA-220 Course Length: 5 hour(s)

(Self-study video). This mini-course is one in a series of ten overview s of technical topics in the airframe engineering curriculum. Participants w ill be able to: understand the importance of metal materials and processes to type design; describe how metals and alloys solidify and list the factors that control ingot structure; describe how mill products are produced from ingots by hot and cold w orking; describe how metallic materials are hardened by heat treatment and by other means; describe how fabrication and finishing operations affect the properties of metals and alloys; and recognize w hen, for a certification, a metallurgist needs to be part of the FAA team.

Prerequisites: None
And one of the following: None

25807 Crashworthiness

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of ten overview s of technical topics in the airframe and systems engineering curriculum. Participants w ill be able to: determine w hether a compliance inspection is necessary; identify key issues to focus on during the inspection; recognize those areas that require further policy and guidance from applicable technical specialist or transport standards staff personnel; and conduct an inspection and identify non-compliance issues.

Prerequisites: None
And one of the following: None

25808 HIRF/AND Lightning Protection

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of overview s of technical topics in the systems engineering curriculum. The participant w ill be able to: identify and use the appropriate FAR parts for review ing the report; verify the validity of the aircraft lightning zones defined; determine w hether the appropriate steps have been accomplished for the electrical and electronics systems lightning protection; verify that the system HIRF protection compliance approach is adequate; and determine w hen it is appropriate to seek advice from an NRS or other expert in evaluating the data.

Prerequisites: None
And one of the following: None

25809 Systems Safety Assessment

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of overview s of technical topics in the systems engineering curriculum. The participant w ill be able to: understand the history behind the fail-safe design concept; identify the issues leading to the development of ARP 4754; state the key topics of ARP 4754 and ARP 4761; understand the key concepts and objectives of functional hazard assessment, fault tree analysis, failure modes and effects analysis, and common cause analysis; and know the objectives and purpose of a preliminary system safety assessment and a system safety assessment and understand w hat tools are applicable to each.

Prerequisites: None
And one of the following: None

25810 Stress Analysis

Training Manager: AMA-220 Course Length: 3 hour(s)

(Self-study video). This mini-course is one in a series of ten overview s of technical topics in the airframe engineering curriculum. Participants w ill have an understanding of the basic concepts and principles of stress analysis, to include: the applicability of New tonian physics; the needs to establish static balance; the need to validate analytical methods; the need to evaluate the effects of assumptions; the need to evaluate w hether analysis is appropriate or if a test is necessary; the relationship of stress analysis to sub parts C and D; and the evaluation of the effect of stress on the aircraft.

Prerequisites: None
And one of the following: None

25811 Advanced Communications

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of overview s of technical topics in the systems engineering curriculum. Participants w ill be able to: understand the certification role in the implementation of data communication systems for air traffic services; understand the relationship among the various FAA organizations involved in deploying data communication systems and providing air traffic services; understand and participate in the coordination process w ithin the FAA for implementating data communication systems; and review aircraft data communication systems for regulatory compliance.

Prerequisites: None
And one of the following: None

25812 Automatic Flight Controls

Training Manager: AMA-220 Course Length: 5 hour(s)

(Self-study video). This mini-course is one in a series of overview s of technical topics in the systems engineering curriculum. The participant w ill be able to: understand basics of automatic flight

control systems; FAR's/AC's related to automatic flight control design certification; important concepts and approaches used in design for safety and protection against failures; basics of aerodymanic flights controls and consequences for AFC design, concepts of stability, and trim and control augmentation functions; AFC system architecture evolution; various modes of AFCS; overview of control systems theory; fly-by-wire system concepts; and what's coming in the future.

Prerequisites: None
And one of the following: None

25813 Digital Flight Data Recorder

Training Manager: AMA-220 Course Length: 3 hour(s)

(Self-study video). This mini-course is one in a series of overviews of technical topics for electrical systems engineer. Participants will be able to: identify and use the appropriate FAR parts for certifying digital flight data recorders (DFDR's); understand the new advisory material on certifying and maintaining DFDR's; and understand the compliance issues that have been problematic in the past.

Prerequisites: None
And one of the following: None

25814 Low Visibility/Auto Pilot

Training Manager: AMA-220 Course Length: 5 hour(s)

(Self-study video). This mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: recognize the architecture, system integrity, and pilot interface for autopilots; discuss analyses the applicant prepares for FAA system engineers; discuss functions required for fail-passive and fail-operational designs for autoland and rollout flight phases; discuss Monte Carlo simulation, simulations models and validation of aerodynamic and flight control systems; discuss wind turbulence models; and discuss representative fault hazard assessment determined criticality for fail-operational and fail-passive systems.

Prerequisites: None
And one of the following: None

25815 Advanced Navigation

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: identify the key FAR parts and associated guidance material that are applicable to navigation certification projects; understand the relationship between airworthiness and operational approvals; understand the role of TSO's and industry standards in the certification process; understand the relationship between aircraft and operational phases of flight navigation requirements; and understand the aircraft flight control/navigation system integration issues, operations and certification basis.

Prerequisites: None
And one of the following: None

25816 Complex Electronic Hardware

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: explain various types of complex electronic hardware; describe current policy and practices of complex electronic hardware; explain the current industry and government development of guidance; and describe future FAA activities and plans.

Prerequisites: None
And one of the following: None

25817 Icing

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: understand why ice protection systems are required; ice protection systems designs and considerations; lessons learned from safety records; ice detector utilization; initiatives addressing lessons learned and knowledge shortfalls; current and future resources to understand means of regulatory compliance; and approval processes.

Prerequisites: None
And one of the following: None

25819 Using the Software Job-Aid to Conduct Software Reviews

Training Manager: AIR-130 Course Length: 4 hour(s)

(Self-study video). This mini-course is designed for engineers and inspectors who have experience in conducting software reviews. The training focuses on how to use a newly developed software job aid. The job aid is a tool to be used by engineers and inspectors who, as a team, conduct software reviews prior to certification. Participants will be able to: describe the job aid tasks, processes, and activities; explain the four stages of involvement; identify how to tailor the job aid for different projects; and describe how findings and observations are documented.

Prerequisites: None
And one of the following: None

25820 Aircraft Certification's New Software Policy

Training Manager: AIR-130 Course Length: 8 hour(s)

(Self-study video). This mini-course is designed for engineers who

are responsible for software approvals. It provides an overview of aircraft certification's new software notices. Engineers responsible for software approvals to FTCA DO-1788 will use this policy for performing software evaluations and approvals. Subjects include: field loadable software approval; production manufacturer approval for field loadable software; approval of legacy systems involving software changes; the software review process; level D and previously developed software approval; user modifiable software approval; software tool qualification; and minor versus major software changes.

Prerequisites: None
And one of the following: None

25821 JAA/FAA Validation Principles

Training Manager: AIR-510 Course Length: 8 hour(s)

(Self-study video). This mini-course presents the principles and general process for validation. The focus is on the new concept of the validation item and on the validating authority formally identifying and justifying specific areas in which they will be making findings of compliance. Topics include: history of international cooperation; validation principles, concepts and key terms; four phases in a validation process; post-type validation design change; and continued airworthiness. The JAA and the FAA jointly developed the course.

Prerequisites: None
And one of the following: None

25822 ACSEP Update, Revision A Brings Improvement to the Program

Training Manager: AMA-220 Course Length: 4 hour(s)

(Self-study video). This mini-course is designed to provide an overview of policy changes required by revision A to Order 8100.7 and review lessons learned and best practices. Participants will be able to: conduct ACSEP evaluations in accordance with current policy and best practices; report ACSEP evaluation results in the newly-required format; and gain efficiency through the knowledge gained from lessons learned.

Prerequisites: None
And one of the following: None

25823 Software Change Impact Analysis Policy

Training Manager: AIR-510 Course Length: 4 hour(s)

This self-study course provides an overview of AIR's new notice on using the software change impact analysis to help in the classification of a software change as 'major' or 'minor'. Topics include; importance of reviewing software change processes; software change impact analysis; regression testing; and major/minor change classification process.

Prerequisites: None
And one of the following: None

25824 Air Software Conformity Policy

Training Manager: AIR-510 Course Length: 4 hour(s)

Provides an overview of AIR's new notice on guidelines for software conformity inspection and review. This policy applies to reviews and inspections related to type certificates, supplemental type certificates, amended type certificates, and technical standard order authorizations.

Prerequisites: None
And one of the following: None

25825 Software Reuse

Training Manager: AIR-510 Course Length: 8 hour(s)

This presentation will explain what software reuse is and why it is desirable for applicants. Safety concerns associated with using software reuse will also be discussed. Some of the FAA activities in the area of software reuse will be explained along with a description of the new technologies that enable software reuse.

Prerequisites: None
And one of the following: None

25826 Modified Condition/Decision Coverage (MC/DC)

Training Manager: AIR-510 Course Length: 4 hour(s)

This presentation will explain the purpose, function, and operation of MC/DC. It will describe the kinds of errors that MC/DC addresses and explain the process of evaluating an applicant's MC/DC data. It will also briefly cover some of the advanced MC/DC topics.

Prerequisites: None
And one of the following: None

25827 Aircraft Wiring Practices (Self-Study)

Training Manager: AMA-220 Course Length: 8 hour(s)

This training will deliver a detailed presentation of all aspects of wiring practices. It covers applicable 14CFRs, policy, and industry practices in the area of wiring. Primary factors associated with wire degradation will be introduced. Informatin on TC/STC data package requirements, wire selection and proctection, routing, splicing, and termination practices are included. This training also covers wiring maintenance concepts, including how to perform a wiring general visual inspection. The instructors will use actual aircraft wiring video clips, numerous examples, and photos.

Prerequisites: None
And one of the following: None

25829 Changed Product Rule Implementation (Self-Study)

Training Manager: AIR-510 Course Length: 12 hour(s)

This course describes the meaning of the changes contained in the new Rule 21.101 and how these changes are used to establish the certification basis for a changed product. Course content explains what a changed product is and details possible exceptions an applicant may use for not choosing to implement the Rule. This includes determination of whether or not the change is significant. Other exceptions include not affected areas, not contribute materially to the level of safety, and whether the change is impractical.

Prerequisites: None
And one of the following: None

25830 Understanding AIR's Software Approval

Training Manager: AIR-510 Course Length: 4 hour(s)

This course provides an overview of the software approval activities performed by FAA certification engineers. It also describes issues associated with managing resources to carry out the software approvals.

Prerequisites: None
And one of the following: None

25831 STC Validation Under Bilateral Agreements

Training Manager: AIR-510 Course Length: 4 hour(s)

This course provides an overview of supplemental type certificates (STC) validation. It reviews requirements for STC validations and procedures for processing requests. It also explains PMA acceptance support provisions of bilaterals.

Prerequisites: None
And one of the following: None

25832 ACSEP Order 8100.7, Revision B

Training Manager: AMA-220 Course Length: 2 hour(s)

This 2-hour course will introduce Revision B changes to FAA Order 8100.7, Aircraft Certification Systems Evaluation Program. The training will cover Revision B changes and the replacement of findings and observations by noncompliances. The training will cover the reasons for the Revision B change. It will cover changes to Appendix 14 System Elements and Criteria; changes to the applicability box; and changes to FAA Form 8100-4. It will also overview what has not changed in order 8100.7. The training will also discuss definitions of noncompliances and changes to Form 8100-6. The ATN participants will work several exercises using the new FAA Form 8100-6.

Prerequisites: 21415
And one of the following: None

25833 Time-Limited Dispatch -- Self Study

Training Manager: AIR-510 Course Length: 8 hour(s)

This course will introduce participants to the concept, purpose, policies, and history underlying time-limited dispatch (TLD), as well as to analysis techniques (fault tree and Markov modeling for reliabiltiy). TLD applies to engines fitted with full authority digital electronic controls (FADEC). It is a method of allowing dispatch for a short interval with a redundant system that has one or more failed elements that individually or in combination do not prohibit function within the system of an airplane. Tld is an element of engine certification. Policy for FADEC system TLD sets a common standard for engine control reliability.

Prerequisites: None
And one of the following: None

25834 Integrated Modular Avionics (Self-Study)

Training Manager: AIR-510 Course Length: 8 hour(s)

This course provides an overview of the FAA's new Technical Standard Order (TSO), C153, and Advisory Circular (AC) on integraged modular avionics (IMA). It will describe technical topics within the IMA AC, keys to improving IMA Systems, and future trends in IMA technology.

Prerequisites: None
And one of the following: None

25835 Aircraft Electromagnetic Compatibility (EMC)

Training Manager: AIR-510 Course Length: 3 hour(s)

Some of the goals for this class are: identify the goals of an aircraft EMC and identify EMC factors that need to be considered when evaluating an application for certification. Example of considering the application is: Given a particular aircraft (23, 25, 27, or 29), identify regulatory requirements that form a framework for evaluating the aircaraft's EMC. Describe key factors in each of the following: Four approaches to aircraft EMC verification and identify the advantages and disadvantages of each.

Prerequisites: None
And one of the following: None

25836 Software Reuse in Airborne Systems (Self-Study)

Training Manager: AIR-510 Course Length: 16 hour(s)

This self-study course provides an overview of technical topics and safety issues related to software reuse and the FAA's policy and guidance. It also explains industry's motivation for pursuing software reuse.

Prerequisites: None
And one of the following: None

25837 Bloodborne Pathogens Awareness (Self-Study)

Training Manager: AIR-510 Course Length: 1 hour(s)

This self-study video course describes the hazards of bloodborne pathogens while performing aircraft accident investigation. The various blooborne pathogens are described and there is a discussion of the vaccination for hepatitis B. The course outlines the process for conducting an accident investigation to minimize the exposure to bloodborne pathogens, and covers the use and danger of wearing biohazard gear. It fulfills the training requirement specified by FAA Order 8020.11B. It is required for employees identified as being subject to call-out to support an accident responses 'go team'.

Prerequisites: None
And one of the following: None

25838 Working W/European Community and New EASA (AIR) (Self Study)

Training Manager: AIR-510 Course Length: 6 hour(s)

This course provides information for conducting business with the European community under the regulatory authority of the European Aviation Safety Agency (EASA). The training discusses the structure of EASA and the interface between AVR, EASA, and the National Airworthiness Authorities (NAAS) during the transition. The course is targeted for AIR. There is a similar course for AFS.

Prerequisites: None
And one of the following: None

25839 Working W/European Community and New EASA (AFS) (Self Study)

Training Manager: AIR-510 Course Length: 4 hour(s)

This course provides information for conducting business with the European community under the regulatory authority of the European Aviation Safety Agency (EASA). The training discusses the structure of EASA and the interface between AIR, EASA, and National Airworthiness Authorities (NAAS) during the transition. This course is targeted for AFS. There is a similar course for AIR.

Prerequisites: None
And one of the following: None

25900 Real Time Software Development

Training Manager: AIR-510 Course Length: 40 hour(s)

This course provides knowledge of the concepts, methods, tools, and solutions when dealing with safety-critical, software-intensive, real-time systems. As a result of this training, participants will understand the concepts of real-time process and control and see the computer as a real-time machine. They will understand the real-time software development lifecycle, modern software engineering methodologies, tools, notations, processes, and development platforms. The training focuses on DO178B material relevant to the real-time system design and implementation. Concepts of time-critical computing, concurrency and multitasking, exception handling, scheduling, and safety are covered.

Prerequisites: 21030, 21045
And one of the following: None

25901 Airframe Engineering Design Approval Tasks

Training Manager: AMA-220 Course Length: 32 hour(s)

Two major tasks that an FAA airframe engineer should know about certification projects are design approval and technical project management. This course offers a self-study environment for design approval task that helps you carry out your certification duty effectively.

Prerequisites: 21936, 21016
And one of the following: None

25950 Changed Product Rule Implementation (Field Conducted)

Training Manager: AIR-510 Course Length: 16 hour(s)

This course describes the meaning of the changes contained in the new Rule 21.101, and how these changes are used to establish the certification basis for a changed product. Course content explains what a changed product is and details possible exceptions an applicant may use for not choosing to implement the Rule. This includes the determination of whether or not the change is significant. Other exceptions include not affected area, does not contribute materially to the level of safety, and whether the change is impractical.

Prerequisites: None
And one of the following: None

25951 Software Job Functions - Comm/Nav/Surveillance (DO-178B)

Training Manager: AIR-510 Course Length: 40 hour(s)

This course is designed specifically for software engineers who are involved in software certification projects involving communication, navigation, and surveillance systems (CNS) (ground-based and airborne systems). It will assist CNS staff to work better with

integrated product teams and their contractors. The course material has been adapted from the software job functions course (course 21045) and is tailored specifically to meet the needs of those CNS employees involved in software work. It explains in detail the objectives contained in DO-178B and the need for an applicant to show that software developed is in compliance with the objectives outlined in DO-178B.

Prerequisites: 21030
And one of the following: None

25952 Software Job Functions - Comm/Nav/Surveillance (Application)

Training Manager: AIR-510 Course Length: 32 hour(s)

This course is designed to build on the software job functions - CNS (guidance) course. It applies the knowledge of RTCA software guidance in conducting software reviews using the software job aid. Exercises and cases will be presented to practice the required skills needed for being part of software review team. This course was adapted from the software job functions course (#21045) and tailored to meet the training needs of those who work on CNS software projects. Topics include: role in software reviews, software job aid, and software review stages of involvement.

Prerequisites: 25951
And one of the following: None

25953 Core CMIS Training

Training Manager: AIR-510 Course Length: 12 hour(s)

The core Certificate Management Information System (CMIS) training provides users with step-by-step instructions on how to perform all general functions in the CMIS System.

Prerequisites: None
And one of the following: None

27000 (CBI) Nondestructive Inspection for ASI's

Training Manager: AMA-200 Course Length: 4 hour(s)

This course is for aviation safety inspector's (ASI) (manufacturing and airworthiness) who certify and perform quality assurance audits or surveillance of NDT facilities and operators and structural and engine certification engineers who require knowledge of NDI techniques. The course provides training in the role of NDI in aviation, six basic NDI methods (visual, penetrant, magnetic particle, eddy current, ultrasonics, and radiography), certification, and audit/evaluation of NDI facilities.

Prerequisites: None
And one of the following: None

27001 (CBI) B747-400 Aircraft Systems

Training Manager: AMA-260 Course Length: 24 hour(s)

This course provides training on the Boeing 747-400 aircraft systems. The course contains lessons on 15 major aircraft systems such as electrical, hydraulic, pneumataic, landing gear, and others. The course displays system schematics and relates aircraft cockpit controls and indicators to the system operation. This off-the-shelf CBI course was acquired from the aviation industry and not specifically designed for the FAA. Course contents contain copyrighted material and may not be duplicated.

Prerequisites: None
And one of the following: None

27002 (CBI) B747-400 Avionics and FMS

Training Manager: AMA-260 Course Length: 24 hour(s)

This course provides training for the Boeing 747-400 avionics system such as electronic flight instruments (EFIS), radio navigation, autoflight, and autopilot. The course also includes descriptions of the flight management system and how it is used in concert with the mode control panel (MCP) and control display unit (CDU) to conduct lateral and veritcal navigation and manage other automated aircraft functions. This off-the-shelf CBI course was acquired from the aviation industry and was not specifically designed for the FAA. Course contents contain copyrighted material and may not be duplicated.

Prerequisites: None
And one of the following: None

27003 (CBI) B747-400 Abnormal Procedures

Training Manager: AMA-260 Course Length: 9 hour(s)

This course provides training for procedures followed by pilots when malfunctions occur in the Boeing 747-400 aircraft systems. Abnormal procedures for ten systems comprise the course, including fuel, engines, electrical, avionics, and hydraulics. This off-the-shelf course was acquired from the aviation industry and was not specifically designed for the FAA. Course contents contain copyrighted material and may not be duplicated.

Prerequisites: None
And one of the following: None

27004 (CBI) Boeing 747-400 Systems Simulation

Training Manager: AMA-260 Course Length: 8 hour(s)

This is open-ended freeplay simulations of 14 Boeing 747-400 aircraft systems. Control panels are presented with representations of aircraft synoptics available from the engine indicating and crew alerting systems (EICAS) or other representations of system operating indications available to the flight crew. Students have the opportunity to configure systems under normal or abnormal conditions and

observe system operating indications. There is no time limit and no grade for this course. Completion time varies by student interest. This of-the-shelf CBI coursew are w as acquired from the aviation industry and w as not designed specifically for the FAA. Course content is copyrighted.

Prerequisites: None
And one of the following: None

27005 (CBI) FSDO Aviation Safety Assistant

Training Manager: AMA-260 Course Length: 60 hour(s)

This CBI course is designed primarily for new aviation safety assistants and administrative personnel assigned to a flight standards district office (FSDO). Sixty lessons and additional exercises provide basic job skills needed to: maintain control systems and assist in preparation and coordination of various reports, certificates, and designations; coordinate and direct programs and projects related to the enforcement information system; locate information in FSDO filing records and the FAA directives system; and use the advisory check list.

Prerequisites: None
And one of the following: None

27006 (CBI) B737-300/500 Systems and Abnormal Procedures

Training Manager: AMA-260 Course Length: 20 hour(s)

This course provides training for the Boeing 737-300/500 aircraft systems and includes both normal and abnormal procedures. The course contains lessons on 15 major aircraft systems schematics and relates aircraft cockpit controls and indicators to system operations. This off-the-shelf CBI course w as acquired from the aviation industry and w as not designed specifically for FAA. Course contents contain copyrighted material and may not be duplicated.

Prerequisites: None
And one of the following: None

27007 (CBI) B737/500 Avionics and FMS

Training Manager: AMA-260 Course Length: 20 hour(s)

This course provides training for Boeing 737-300/500 avionics systems w hich include electronic flight instruments (EFIS), lateral navigation, autoflight, and autopilot. The course also includes lessons on the flight management system (FMS), the FMS control display unit and w arning systems, and flight instruments. This off-the-shelf CBI course w as acquired from the aviation industry and w as not specifically designed for the FAA. Course contents contain copyrighted material and may not be duplicated.

Prerequisites: None
And one of the following: None

27008 (CBI) B737-400 Systems and Abnormal Procedures

Training Manager: AMA-260 Course Length: 25 hour(s)

This course provides training for the Boeing 737-400 aircraft systems and includes both normal and abnormal procedures. The course contains lessons on 15 major aircraft systems including electrical, hydraulic, pneumatic, landing gear, and others. The course displays system schematics and relates aircraft cockpit controls and indicators to system operation. This off-the-shelf course w as acquired from the aviation industry and w as not designed specifically for the FAA. Course content contains copyrighted material and may not be duplicated.

Prerequisites: None
And one of the following: None

27009 (CBI) B737-400 Avionics and Flight Management Systems

Training Manager: AMA-260 Course Length: 30 hour(s)

This course provides training for Boeing 737-400 avionics systems w hich include electronic flight instruments (EFIS), lateral navigation, autoflight, and autopilot. The course also includes lessons on the flight management systems (FMS), flight instruments, communication systems, and w arning systems. This off-the-shelf CBI course w as acquired from the aviation industry and w as not specifically designed for the FAA. Course content contains copyrighted material and may not be duplicated.

Prerequisites: None
And one of the following: None

27012 (CBI) IFO Part 145 Certification Under BASA/MIP

Training Manager: AMA-260 Course Length: 10 hour(s)

This course is designed for airw orthiness inspectors w ho have responsibility in conducting domestic repair station inspections. The objective of this training is to prepare FAA principal inspectors to certificate a JAR 145 approved maintenance organization (AMO) as an FAA approved repair station. At the completion of the training, the students w ill be prepared to successfully implement their responsibilities to certificate an AMO in accordance w ith the maintenance implementation procedures (MIP) of a bilateral aviation safety agreement (BASA). Successful completion of this course is required prior to conducting activities under a BASA/MIP. This coure replaces CBI course 25028.

Prerequisites: None
And one of the following: None

27013 (CBI) Cargo Inspection and Surveillance

Training Manager: AMA-260 Course Length: 6 hour(s)

This training provides aviation safety inspectors (maintenance and operations) w ith information on cargo-related issues; current cargo-related applications and guidance; and the steps involved in performing inspections and surveillance of certifiate holders' cargo-assocated activities. The seven lessons contain information about off-site inspection/surveillance activities; communication and document review ; cargo equipment and restraint systems; load manifest and w eight and balance; airw orthiness and safety equipment; and cargo loading and placement. After completing the course, the inspector should be able to prepare for and conduct a cargo-related inspection and surveillance.

Prerequisites: None
And one of the following: None

27015 (CBI) Suspected Unapproved Parts Recurrent

Training Manager: AMA-250 Course Length: 4 hour(s)

This course is supplementary and refresher training for experienced engineers, aviation safety inspectors (ASI), supervisors, managers, or others w ho have successfully completed course 28560 and/or 21026, Suspected Unapproved Parts (SUP); or supervisors and managers in need of an overview of the SUP issues. The goal of SUP training is to contribute to the successful identification and investigation of suspected unapproved parts.

Prerequisites: None
And one of the following: None

27016 (CBI) Global Positioning System (GPS) Overview

Training Manager: AMA-260 Course Length: 6 hour(s)

This course provides an introduction to the components and uses of GPS including general system design and operations, operational theory, and the uses of GPS along w ith its current and future integration w ithin the NAS. Lessons cover segments of the GPS, civilian uses of GPS, overall configuration and operation of GPS, development of GPS, tiers of position information data, the precise positioning service for military and other approved users, standard positioning service for general civilian use, GPS augmentations, receiver autonomous integrity monitoring (RAIM), fault detection and exclusion, and local and w ide-area differential GPS augmentation systems.

Prerequisites: None
And one of the following: None

27017 (CBI/WEB) Labor Distribution Reporting (LDR)

Training Manager: AMA-260 Course Length: 4 hour(s)

This course is designed for all FAA AVR employees. The course teaches the LDR process for collecting and submitting data on the time and labor cost employees spend w orking on projects and activities. Separate modules address the functions of manager, administrator, employee, and timekeeper.

Prerequisites: None
And one of the following: None

27018 (CBI/WEB) LDR for Timekeepers

Training Manager: AMA-260 Course Length: 2 hour(s)

This is a WEB delivered course. It w as developed in preparation for implementation of the FAA WEB labor distribution reporting (LDR) system. The four modules specifically teach the procedures of a WEB LDR timekeeper. The modules include LDR system overview , LDR data input cycle, LDR data entry procedures, and LDR alternative entry procedures. The student should also complete Course 27017, Labor Distribution Reporting (LDR).

Prerequisites: 27017
And one of the following: None

27030 (CBI) Roles and Tools for the Airworthiness ASI

Training Manager: AMA-200 Course Length: 4 hour(s)

This course is for new airw orthiness aviation safety inspectors (ASI). The material provides an overview of an airw orthiness inspector's role and identifies regulations and resources for the inspector. The course consists of six lessons: 1) history and organization of the FAA and Flight Standards and an overview of the current FAA organization; 2) airw orthiness terminology and Order 8300.10; 3) ASI -- roles, responsibilities, and career paths; 4) ASI tools; 5) reference materials including Title 49, CFRs, FAA directives, and ACS; and 6) 14 CFR parts 39, 43, and 91. This course is a prerequisite to airw orthiness indoctrination.

Prerequisites: None
And one of the following: None

27900 (IVT) Introduction to Computer Science

Training Manager: AMA-220 Course Length: 8 hour(s)

This course provides an overview of the basic computer concepts, principles, and terminology and their relationship to aircraft. Know ledge of computers and their importance to aircraft is essential to engineers and inspectors in the evaluation and oversight of the softw are development process. This is the first lesson of the softw are fundamentals course w hich provides the foundation for more advanced softw are courses.

Prerequisites: None
And one of the following: None

27901 Aircraft and Engine Fundamentals

Training Manager: AMA-220 Course Length: 80 hour(s)

This course is for new Aircraft Certification Service employees who possess little or no aviation background or whose experience is highly specialized or narrow. The course materials consist of numerous reference manuals and documents with assigned readings. This training is entirely self study and is designed to be used in the office during the first few months on the job. This course includes aviation history, principles of flight, terminology and definitions, components and systems, basic flight operations, physiology, and human factors.

Prerequisites: None
And one of the following: None

27902 Introduction to Civil Aircraft Certification

Training Manager: AMA-220 Course Length: 24 hour(s)

This seminar is primarily for both military and civilian government groups who lease or purchase off-the-shelf civil-certified aircraft, aircraft engines, and props. Subject areas include the mission and organization of FAA and the aircraft certification service (AIR); the roles and responsibilities of AIR technical specialists; introduction to continued airworthiness and Title 14, Code of Federal Regulations; accessing AIR directives, advisory circulars, and policy guidance; requirements for design, production and airworthiness certifications programs; introduction to supplemental type certificates, parts manufacturer approvals, and technical standard order authorizations.

Prerequisites: None
And one of the following: None

27903 FAR Part 21 Seminar

Training Manager: AMA-220 Course Length: 24 hour(s)

Part 21 is the regulation that enables the Aircraft Certification Service (AIR) to conduct its certification responsibilities under Title 49 of the US Code. This seminar will present Part 21 in detail, along with other critical areas for AIR. The topics to be presented are overview of AIR and Part 21, design approvals, production approvals, combined design and production approval (PMA/TSOA), airworthiness approval, delegations and designees, continued operational safety, compliance and enforcement, and international programs.

Prerequisites: None
And one of the following: None

27904 (CBI) Systems Engineering Tasks

Training Manager: AMA-220 Course Length: 40 hour(s)

This course is intended for systems engineers involved in the certification of airborne electrical/avionics and mechanical systems. This course provides training for FAA systems engineers in performing their design approval technical project management job tasks. This training is a requirement and adjunct to classroom training on the airworthiness standards (14CFR) in Course 21018, Systems Engineering Job Functions. The course media provides a permanent on-the-job reference.

Prerequisites: 21016
And one of the following: 21936, 21660

27905 Applying Lessons Learned From Accidents

Training Manager: AMA-220 Course Length: 32 hour(s)

This course examines a number of in-depth accident case studies and summaries from selected accidents involving large transport category airplanes. The focus of this examination is to highlight precursors to these accidents, provide insight into how these accidents affected rule changes, and ultimately, to apply the lessons learned form these accidents to prevent accidents. This training is for Aircraft Certification Service (AIR) engineers and flight test pilots, private industry designated engineering representatives (DERS) and delegated organization (DAS, DOA) staff members.

Prerequisites: None
And one of the following: None

27936 AIR Indoctrination Basics

Training Manager: AMA-220 Course Length: 22 hour(s)

This web-based course is intended to provide the Aircraft Certification Service's (AIR) new employees with an overview of the general knowledge they will require to perform their jobs effectively. Subjects include: AIR's mission, vision and values, roles and responsibilities, regulations and policy, type, production and airworthiness certification, continued operation of safety management, international considerations, and designees and delegations.

Prerequisites: None
And one of the following: None

27951 (CBI) Propulsion Engineering Tasks

Training Manager: AMA-220 Course Length: 40 hour(s)

This course provides training for propulsion engineers in performing their design approval and technical project management job tasks. This training is a prerequisite to classroom training on the airworthiness standards (14 CFR) in course 21021. The course media provides a permanent on-the-job reference.

Prerequisites: None
And one of the following: None

27952 (CBI) Technical Project Mgmt for Aviation Safety Engineers

Training Manager: AMA-220 Course Length: 20 hour(s)

This CBI course provides training on type certification project manager roles and responsibilities, w ether managing a large project team or executing a one-person project. Some of the topics include the project managers role in: partnership for safety plan, project specific certification plan, certification project notification, overseeing certification activity and status, certification basis, certification program plan, issue papers and books, compliance checklist, type board meetings, type inspection authorizations, and certificate preparation.

Prerequisites: 21660
And one of the following: None

27953 Aircraft Certification Service Seminar

Training Manager: AMA-220 Course Length: 36 hour(s)

Through lecture and instructor-lead activities the student w ill be introduced to: FAA Aircraft Certification Service overview ; history and organizations; regulations and guidance; certification programs; continued operational safety; designees and delegations; and international activities.

Prerequisites: None
And one of the following: None

28000 B-737-200 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 136 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Boeing 737 (100/200). Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28001 B-737-200 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 64 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Boeing 737-(100/200).

Prerequisites: 28000
And one of the following: 21607, 21632

28002 B-747 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 141 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Boeing 747. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator. Student must have FE Turbojet or have FE Turbojet w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28003 B-747 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 62 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Boeing 747.

Prerequisites: 28002
And one of the following: 21607, 21632

28004 DC-8 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 185 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DC-8. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator. Student must have FE turbojet or have FE turbojet w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28005 DC-8 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DC-8.

Prerequisites: 28004
And one of the following: 21607, 21632

28006 BAC-111 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 38 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the BAC-111.

Prerequisites: 28036
And one of the following: 21607, 21632

28007 Falcon 20 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Falcon DA-20.

Prerequisites: 28037
And one of the following: 20700, 20702

28008 DHC-6 Twin Otter Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 58 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require proficiency in the DHC-6.

Prerequisites: 20056
And one of the following: 20700, 20702

28009 Embraer ERJ-145 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 184 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Embraer ERJ-145. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28012 L-382 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 156 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose duties require a type rating in the L-382. Student must have FE turboprop or have FE turboprop w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28013 L-382 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 24 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the L-382.

Prerequisites: 28012
And one of the following: 21607, 21632

28015 Embraer ERJ-145 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 68 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Embraer ERJ-145.

Prerequisites: 28009
And one of the following: 21607, 21632

28016 Embraer EMB-120 Initial Qualification

Training Manager: AMA-260 Course Length: 121 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the EMB-120.

Prerequisites: None
And one of the following: 20700, 20702

28017 F-27/FH-227 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 118 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the F-27/FH-227.

Prerequisites: None
And one of the following: 21607, 21632

28018 F-27/FH-227 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 34 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the F-27/FH-227.

Prerequisites: 28017
And one of the following: 21607, 21632

28019 DC-9 Initial Qualification

Training Manager: AMA-260 Course Length: 152 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DC-9. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607

28020 Nihon YS-11 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 104 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the YS-11.

Prerequisites: None
And one of the following: 21607, 21632

28021 Nihon YS-11 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 32 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the YS-11.

Prerequisites: 28020
And one of the following: 20700, 21607, 20702

28022 S-58 Helicopter Recurrent Qualification

Training Manager: AMA-260 Course Length: 14 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the S-58.

Prerequisites: 28097
And one of the following: 20700, 20702

28023 S-61 Helicopter Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 36 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the S-61.

Prerequisites: 28164
And one of the following: 20700, 21607, 20702

28024 S-61 Helicopter Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 16 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the S-61.

Prerequisites: 28023
And one of the following: 20700, 21607, 20702

28025 Gulfstream II Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 70 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Gulfstream G-II.

Prerequisites: None
And one of the following: 20700, 20702

28026 Gulfstream II Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Gulfstream G-II.

Prerequisites: 28025
And one of the following: 20700, 20702

28029 BAE-41 Jetstream Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 96 hour(s)

Primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the BAE-41 Jetstream.

Prerequisites: None
And one of the following: 20700, 20702

28033 Sikorsky SK-64 Helicopter Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 56 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose duties require a type rating in the Sikorsky SK-64.

Prerequisites: 28164
And one of the following: 20700, 20702

28034 DC-10 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 138 hour(s)

Prerequisite can be turbojet type rating. This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DC-10. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28035 DC-10 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DC-10.

Prerequisites: 28034
And one of the following: 21607, 21632

28036 BAC-111 Initial Qualification

Training Manager: AMA-260 Course Length: 104 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the BAC-111.

Prerequisites: None
And one of the following: 21607, 21632

28037 Falcon 20 Initial Qualification

Training Manager: AMA-260 Course Length: 72 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Falcon DA-20.

Prerequisites: None
And one of the following: 20700, 20702

28039 Hawker Siddeley HS-125 Initial Qualification

Training Manager: AMA-260 Course Length: 90 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the HS-125.

Prerequisites: None
And one of the following: 20700, 20702

28040 Aerospatiale ATR-42 Initial Qualification

Training Manager: AMA-260 Course Length: 154 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the ATR-42. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28043 BAE-41 Jetstream Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

Course primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require the maintenance of flight proficiency in the BAE-41 Jetstream.

Prerequisites: 28029
And one of the following: 20700, 20702

28044 DHC-6 Twin Otter Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 23 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DHC-6.

Prerequisites: 28008
And one of the following: 20700, 20702

28046 L-1011 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 145 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the L-1011. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator. Student must have FE turbojet or have FE turbojet w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28047 L-1011 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the L-1011.

Prerequisites: 28046
And one of the following: 21607, 21632

28049 CV-600/640 Recurrent Qualification

Training Manager: AMA-260 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Convair CV-600/640.

Prerequisites: 28068
And one of the following: 21607, 21632

28050 DC-6 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 152 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DC-6. The student must have a flight engineer reciprocating rating or must have passed the flight engineer reciprocating w ritten test.

Prerequisites: None
And one of the following: 21607, 21632

28051 DC-6 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 70 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DC-6.

Prerequisites: 28050
And one of the following: 21607, 21632

28052 CV-340/440 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 120 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the CV-340/440.

Prerequisites: None
And one of the following: 21607, 21632

28053 CV-340/440 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 40 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the CV-340/440.

Prerequisites: 28052
And one of the following: 21607, 21632

28054 Glider Rating

Training Manager: AMA-260 Course Length: 31 hour(s)

This course w ill enable employees to obtain certification for the commercial and flight instructor glider.

Prerequisites: None
And one of the following: 20700, 20702

28055 Swearingen SA-226/227 Metroliner Initial Qualification

Training Manager: AMA-260 Course Length: 102 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Sw earingen SA-226/227.

Prerequisites: None
And one of the following: 20700, 20702, 21607

28056 Seaplane Rating

Training Manager: AMA-260 Course Length: 7 hour(s)

This training certifies employees for the single engine seaplane class rating.

Prerequisites: None
And one of the following: 20700, 20702

28058 L-188 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 120 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the L-188. Student must have FE turboprop or have FE turboprop w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28059 L-188 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 27 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the L-188.

Prerequisites: 28058
And one of the following: 21607, 21632

28061 DC-9 Recurrent Qualification

Training Manager: AMA-260 Course Length: 64 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DC-9.

Prerequisites: None
And one of the following: 21607, 21632, 28019, 20006

28062 B-707/720 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 64 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Boeing 707/720.

Prerequisites: 28120
And one of the following: 21607, 21632

28063 Boeing-727 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating and flight engineer qualification in the Boeing 727.

Prerequisites: None
And one of the following: 21607, 21632, 20007, 20107, 28093

28065 Jet Falcon 10 Initial Qualification

Training Manager: AMA-260 Course Length: 83 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Falcon DA-10.

Prerequisites: None
And one of the following: 20700, 20702, 21607

28068 CV-600/640 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 104 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency personnel w hose official duties require a type rating in the Convair CV-600/640.

Prerequisites: None
And one of the following: 21607, 21632

28069 Dornier DO-328 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 152 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DO-328. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28071 Helicopter Instruments (Add On)

Training Manager: AMA-260 Course Length: 37 hour(s)

This training w ill enable students to obtain a helicopter instrument rating.

Prerequisites: 28164
And one of the following: 20700, 20702, 21607

28074 Dornier DO-328 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 71 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DO-328.

Prerequisites: 21607, 28069
And one of the following: None

28076 Astra 1125 Initial Qualification

Training Manager: AMA-260 Course Length: 79 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Astra 1125. All students programmed for this course must meet the regulatory requirements for 100% type certification in the simulator. No aircraft is available.

Prerequisites: None
And one of the following: 20700, 20702

28078 DHC-7 Initial Qualification

Training Manager: AMA-260 Course Length: 116 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DHC-7.

Prerequisites: None
And one of the following: 21607, 21632

28079 Bell BH-430 Initial Pilot Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require the maintenance of flight proficiency in the Bell BH-430 helicopter.

Prerequisites: 28164
And one of the following: 20700, 20702

28080 Aerospatiale ATR-42/72 Differences, Recurrent Qualification

Training Manager: AMA-260 Course Length: 72 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the ATR-42/72.

Prerequisites: 28040
And one of the following: 21607, 21632

28081 Airbus A330 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 200 hour(s)

This course w ill enable students to acquire a type rating for the Airbus A330 aircraft. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28083 Flight Test Pilot/Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 240 hour(s)

This course is primarily for flight test pilots, engineers, and project managers w ithin the aircraft certification organization. It also provides overview training for systems, pow erplant, and structural engineers. Material covers flight test principles, test procedures, and regulations. The course is available to flight test pilots and engineers in aircraft certification.

Prerequisites: None
And one of the following: 28093, 20007, 20107, 20113

28085 Balloon: Lighter-Than-Air (LTA)

Training Manager: AMA-260 Course Length: 52 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a commercial balloon rating. Students attending should have no physical problems that w ould prohibit them from assisting w ith moving, handling, and positioning of the balloon equipment.

Prerequisites: None
And one of the following: 20700, 20702

28086 Multiengine Seaplane Rating

Training Manager: AMA-260 Course Length: 11 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a multiengine seaplane rating.

Prerequisites: None
And one of the following: 20700, 20702

28088 Lear Jet 35/36 Recurrent Qualification

Training Manager: AMA-260 Course Length: 31 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require the maintenance of flight proficiency in the Lear Jet 35/36.

Prerequisites: 28450
And one of the following: 20700, 20702

28089 Embraer (EMB) 120 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 48 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the EMB-120.

Prerequisites: 28016
And one of the following: 20700, 20702

28092 Aerospatiale Utility Helicopter Training

Training Manager: AMA-260 Course Length: 48 hour(s)

This course w ill enable students to become familiar w ith the AStar 350 and Tw in Star 355.

Prerequisites: 28164
And one of the following: 20700, 20702

28093 Boeing-727 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 138 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating and flight engineer qualification in the Boeing 727. Students must be previously type rated in a turbojet airplane or otherw ise meet the requirements of FAR 61 for unlimited type certification in a simulator. Student must have FE turbojet of have FE turbojet w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28097 S-58 Helicopter Initial Qualification

Training Manager: AMA-260 Course Length: 26 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the S-58.

Prerequisites: 28164
And one of the following: 20700, 21607, 20702

28098 CV-580 Initial Qualification

Training Manager: AMA-260 Course Length: 114 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the CV-580.

Prerequisites: None
And one of the following: 20700, 20702

28100 Bell 412 Helicopter Pilot Initial Training

Training Manager: AMA-260 Course Length: 63 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require proficiency in the Bell 412.

Prerequisites: 28164
And one of the following: 20700, 20702

28101 CV-580 Recurrent Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the CV-580.

Prerequisites: 28098
And one of the following: 20700, 20702, 21607

28102 DC-3 Initial Qualification (ATP)

Training Manager: AMA-260 Course Length: 68 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DC-3.

Prerequisites: None
And one of the following: 20700, 20702, 21607

28103 DC-3 Recurrent Qualification

Training Manager: AMA-260 Course Length: 22 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DC-3.

Prerequisites: 28102
And one of the following: 20700, 20702, 21607

28104 Jet Falcon 10 Recurrent Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Falcon DA-10.

Prerequisites: 28065
And one of the following: 20700, 20702

28107 A-300 Pilot and Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 148 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Airbus A300. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator. Student must have FE turbojet or have FE turbojet w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28108 A-300 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 148 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Airbus A300.

Prerequisites: 28107
And one of the following: 21607, 21632

28111 DH-4A Initial Qualification

Training Manager: AMA-260 Course Length: 57 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DH-4A.

Prerequisites: None
And one of the following: 20700, 20702, 21607

28112 DH-4A Recurrent Qualification

Training Manager: AMA-260 Course Length: 22 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DH-4A.

Prerequisites: 28111
And one of the following: 20700, 20702, 21607

28114 Jet Commander 1124 Recurrent Qualification

Training Manager: AMA-260 Course Length: 29 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Commander 1124.

Prerequisites: 28151
And one of the following: 20700, 20702

28116 Bell Helicopter Long Ranger (206l) Initial Qualification

Training Manager: AMA-260 Course Length: 27 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require proficiency in the Bell 206l.

Prerequisites: 28164
And one of the following: 20700, 20702

28117 DHC-7 Recurrent Qualification

Training Manager: AMA-260 Course Length: 40 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Dehavilland DHC-7.

Prerequisites: 28078
And one of the following: 21607, 21632

28118 Lear Jet 60 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 88 hour(s)

Designed for initial qualification of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Lear Jet 60. There is no flight available for this training. Must meet regulatory requirements for 100% check in the simulator.

Prerequisites: None
And one of the following: 20700, 20702

28119 Learjet 60 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 30 hour(s)

Designed for recurrent qualification of aviation safety inspectors and other agency flight personnel w hose official duties require maintenance of flight proficiency in the Learjet 60.

Prerequisites: 28119
And one of the following: 20700, 20702

28120 B-707/720 Pilot/Flight Engineer Initial Qualification

Training Manager: AMA-260 Course Length: 172 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Boeing 707/720. Student must have FE turbojet or have FE turbojet w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28121 Helicopter Instrument Refresher

Training Manager: AMA-260 Course Length: 12 hour(s)

This course is designed to provide refresher training in helicopter instrument.

Prerequisites: 28071
And one of the following: 20700, 20702

28122 CASA 212 Initial Qualification

Training Manager: AMA-260 Course Length: 55 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the CASA 212.

Prerequisites: None
And one of the following: 20700, 20702

28123 CASA 212 Recurrent Qualification

Training Manager: AMA-260 Course Length: 31 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the CASA 212.

Prerequisites: 28122
And one of the following: 20700, 20702

28124 Cessna 525 Recurrent Pilot Qualification

Training Manager: AMA-260 Course Length: 26 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Cessna 525.

Prerequisites: 28247
And one of the following: 20700, 20702

28125 Lear Jet 20 Series Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 26 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Lear Jet 20.

Prerequisites: 28129
And one of the following: 20700, 20702

28127 MU-2 Recurrent Pilot Qualification

Training Manager: AMA-260 Course Length: 32 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the MU-2.

Prerequisites: 28285
And one of the following: 20700, 20702

28128 HS-125 (Model 700) Recurrent Qualification

Training Manager: AMA-260 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the HS-125 (700).

Prerequisites: 28039
And one of the following: 20700, 20702

28129 Lear Jet 20 Initial Qualification

Training Manager: AMA-260 Course Length: 55 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Lear Jet 20. All students programmed for this course must meet the regulatory requirements for 100% type certification in the simulator. No aircraft is available.

Prerequisites: None
And one of the following: 20700, 20702

28131 N-265 Sabreliner Recurrent Qualification

Training Manager: AMA-260 Course Length: 38 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Sabreliner 40. (Note: To receive FAR 61.58 proficiency check, students must have logged three takeoffs and landings in the aircraft w ithin 90 days prior to course completion.)

Prerequisites: 28239
And one of the following: 20700, 21607, 20702

28133 HS125-800 Initial Qualification (FS)

Training Manager: AMA-260 Course Length: 91 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the HS 125-800.

Prerequisites: None
And one of the following: 20700, 20702

28135 Swearingen SA-226/227 Metroliner Recurrent Qualification

Training Manager: AMA-260 Course Length: 52 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Sw earingen SA-226/227.

Prerequisites: 28055
And one of the following: 20700, 20702, 21607

28136 Embraer EMB-110 Initial Qualification

Training Manager: AMA-260 Course Length: 36 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the EMB-110.

Prerequisites: None
And one of the following: 20700, 21607, 20702

28137 Embraer EMB-110 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 18 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the EMB-110.

Prerequisites: 28136
And one of the following: 20700, 20702

28138 Bell Helicopter Long Ranger (206l) Recurrent Qualification

Training Manager: AMA-260 Course Length: 13 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Bell 206l.

Prerequisites: 28116
And one of the following: 20700, 20702

28139 B-767 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 155 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Boeing 767. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21632

28140 B-767 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 69 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Boeing 767.

Prerequisites: 28139
And one of the following: 21607, 21632

28141 B-757 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 157 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Boeing 757. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28142 B-757 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 70 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Boeing 757.

Prerequisites: 28141
And one of the following: 21607, 21632

28143 HS 125-800 Recurrent Qualification (FS)

Training Manager: AMA-260 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the HS 125-800.

Prerequisites: 28133
And one of the following: 20700, 20702

28146 Canadair CL-604 Initial Qualification

Training Manager: AMA-260 Course Length: 108 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Canadair CL-604.

Prerequisites: None
And one of the following: 20700, 20702

28147 Cessna 441 Pilot Initial

Training Manager: AMA-260 Course Length: 61 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require proficiency in the Cessna 441.

Prerequisites: 20056
And one of the following: 20700, 20702

28148 Canadair CL-600 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 122 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the CL-600.

Prerequisites: None
And one of the following: 20700, 20702

28149 Fokker F-28 Recurrent Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Fokker F-28.

Prerequisites: 28156
And one of the following: 20700, 21607, 20702

28151 Jet Commander 1124 Initial Qualification

Training Manager: AMA-260 Course Length: 84 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Commander 1124.

Prerequisites: None
And one of the following: 20700, 20702

28153 Canadair CL-600 Recurrent Qualification

Training Manager: AMA-260 Course Length: 33 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the CL-600.

Prerequisites: 28148
And one of the following: 20700, 20702

28154 Canadair CL-604 Recurrent Qualification

Training Manager: AMA-260 Course Length: 32 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Canadair CL-604.

Prerequisites: 28146
And one of the following: 20700, 20702

28155 Gulfstream G-V Initial Qualification

Training Manager: AMA-260 Course Length: 122 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Gulfstream G-V. All students programmed for this course must meet the regulatory requirements for 100% type certification in the simulator. No aircraft is available.

Prerequisites: None
And one of the following: 20700, 20702

28156 Fokker F-28 Initial Qualification

Training Manager: AMA-260 Course Length: 128 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Fokker F-28.

Prerequisites: None
And one of the following: 21607, 21632

28157 Cessna 550 Citation Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 77 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Cessna 550.

Prerequisites: None
And one of the following: 20700, 20702

28161 Beechcraft King Air B-200 Initial Qualification

Training Manager: AMA-260 Course Length: 45 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require proficiency in the Beechcraft 200.

Prerequisites: 20056
And one of the following: 20700, 20702

28162 Jet Falcon 50 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 115 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Falcon DA-50.

Prerequisites: None
And one of the following: 20700, 20702

28163 Jet Falcon 50 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 37 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Falcon DA-50.

Prerequisites: 28162
And one of the following: 20700, 20702

28164 Helicopter Initial Qualification (VFR)

Training Manager: AMA-260 Course Length: 100 hour(s)

This training w ill enable students to acquire commercial rotocraft-helicopter rating. Those requiring helicopter instructor rating should also complete Course 28232.

Prerequisites: None
And one of the following: 20700, 20702, 21607

28165 Helicopter Recurrent Qualification (VFR)

Training Manager: AMA-260 Course Length: 30 hour(s)

This training w ill enable students to maintain currency in both reciprocating and turbine pow ered helicopters.

Prerequisites: 28164
And one of the following: 20700, 20702

28168 Bell 214-ST Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 50 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Bell 214-ST.

Prerequisites: 28164
And one of the following: 20700, 20702

28169 Bell 214-ST Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 27 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Bell 214-ST.

Prerequisites: 28168
And one of the following: 20700, 20702

28170 Bell 222/230 Pilot Initial

Training Manager: AMA-260 Course Length: 64 hour(s)

This training w ill enable students possessing a helicopter ATP certificate to obtain a Bell 222 type rating. Commercial helicopter pilots w ill receive transition training.

Prerequisites: 28164
And one of the following: 20700, 20702

28171 Cessna 441 Turboprop Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Cessna 441.

Prerequisites: 28147
And one of the following: 20700, 20702

28173 Lear Jet 55 Pilot Initial

Training Manager: AMA-260 Course Length: 76 hour(s)

This course is designed for initial qualification of aviation safety inspectors and other agency flight personnel w hose official duties require maintenance of flight proficiency in the Lear 55.

Prerequisites: None
And one of the following: 20700, 20702

28174 Cessna 650 Citation III Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 78 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Cessna 650.

Prerequisites: None
And one of the following: 20700, 20702

28175 Cessna 650 Citation III Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 24 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Cessna 650.

Prerequisites: 28174
And one of the following: 20700, 20702

28176 Lear Jet 55 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 31 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Lear Jet 55.

Prerequisites: 28173
And one of the following: 20700, 20702

28177 Beech 200 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 25 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Beech 200.

Prerequisites: 28161, 20056
And one of the following: 20700, 20702

28179 SD-360 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 120 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Shorts SD-360. No aircraft available.

Prerequisites: None
And one of the following: 21607, 21632

28180 BAE-146 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 97 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the BAE-146. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28182 Gulfstream G-V Recurrent Qualification

Training Manager: AMA-260 Course Length: 34 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Gulfstream G-V.

Prerequisites: 28155
And one of the following: 20700, 20702

28183 Cessna 550 Recurrent Qualification

Training Manager: AMA-260 Course Length: 27 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Cessna 550.

Prerequisites: 28157
And one of the following: 20700, 20702

28185 Beech 1900 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 93 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Beech 1900.

Prerequisites: None
And one of the following: 20700, 20702

28186 Beech 1900 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 33 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Beech 1900.

Prerequisites: 28185
And one of the following: 20700, 20702

28187 Airbus A330 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 80 hour(s)

This course will enable students to maintain currency in the Airbus A330 aircraft.

Prerequisites: 28081
And one of the following: 21607, 21632

28188 British Aerospace BAE-31 Initial Qualification

Training Manager: AMA-260 Course Length: 116 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the BAE-31. All students programmed for this course must meet the regulatory requirements for 100% type certification in the simulator. No aircraft is available.

Prerequisites: None
And one of the following: 20700, 20702

28189 British Aerospace BAE-31 Recurrent Qualification

Training Manager: AMA-260 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in the BAE-31.

Prerequisites: 28188
And one of the following: 20700, 20702

28190 DC-3 Turboprop Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the DC-3 turboprop.

Prerequisites: None
And one of the following: 21607, 20700, 20702

28191 DC-3 Turboprop Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in the DC-3 turboprop.

Prerequisites: 28190
And one of the following: 21607, 20700, 20702

28192 Short 360 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 56 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in the Short 360.

Prerequisites: 28179
And one of the following: 21607, 21632

28193 Saab/Fairchild SF-340 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 128 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the Saab/Fairchild SF-340. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28194 Saab/Fairchild SF-340 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in the Saab/Fairchild SF-340.

Prerequisites: 28193
And one of the following: 21607, 21632

28195 Dehavilland DHC-8 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 138 hour(s)

The course prerequisite can be turbine powered type rating. This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the Dehavilland DHC-8. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28196 Dehavilland DHC-8 Recurrent Qualification

Training Manager: AMA-260 Course Length: 52 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Dehavilland DHC-8.

Prerequisites: 28195
And one of the following: 21607, 21632

28197 Sikorsky S-64 Recurrent Pilot Qualification

Training Manager: AMA-260 Course Length: 22 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Sikorsky S-64 helicopter.

Prerequisites: 28033
And one of the following: 20700, 20702

28198 Boeing 777 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 69 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Boeing 777.

Prerequisites: 28252
And one of the following: 21607, 21632

28199 Dornier DO-228 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 55 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DO-228.

Prerequisites: None
And one of the following: 20700, 20702

28200 Dornier DO-228 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 23 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DO-228.

Prerequisites: 28199
And one of the following: 20700, 21607, 20702

28201 SA-365N Helicopter Initial Qualification

Training Manager: AMA-260 Course Length: 36 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require proficiency in the SA-365N.

Prerequisites: 28164
And one of the following: 20700, 20702

28202 SA-365N Helicopter Recurrent Qualification

Training Manager: AMA-260 Course Length: 20 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the SA-365N.

Prerequisites: 28201
And one of the following: 20700, 20702

28203 DC-4 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DC-4. Student must have FE recip or have FE RECIP w ritten passed.

Prerequisites: None
And one of the following: 21607, 21632

28206 BAE-146/AVRO RJ85 Recurrent Qualification

Training Manager: AMA-260 Course Length: 36 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the BAE-146.

Prerequisites: 28180
And one of the following: 21607, 21632

28207 Grumman G-73T Pilot Initial Qualification

Training Manager: AMA-200 Course Length: 36 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Grumman G-73T.

Prerequisites: 20056
And one of the following: 20700, 20702

28208 Grumman G-73T Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 32 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Grumman G-73T.

Prerequisites: 28207
And one of the following: 20700, 20702

28209 A310 Pilot/FE Initial Qualification

Training Manager: AMA-260 Course Length: 154 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Airbus A310. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28210 A310 Pilot/Flight Engineer Recurrent Qualification

Training Manager: AMA-260 Course Length: 38 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Airbus A310.

Prerequisites: 28209
And one of the following: 21607, 21632

28211 BV-234 Helicopter Initial Qualification

Training Manager: AMA-260 Course Length: 42 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the BV-234.

Prerequisites: 28164
And one of the following: 20700, 20702

28212 BV-234 Helicopter Recurrent Qualification

Training Manager: AMA-260 Course Length: 22 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the BV-234.

Prerequisites: 28211
And one of the following: 20700, 20702

28217 Beechjet 400A Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for initial qualification of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Beechjet 400A. All students programmed for this course must meet the regulatory requirements for 100% type certification in the simulator. No aircraft is available.

Prerequisites: None
And one of the following: 20700, 20702

28218 Sikorsky S-76 Initial Qualification

Training Manager: AMA-260 Course Length: 82 hour(s)

This training w ill enable students w ho possess a helicopter ATP certificate to acquire a type rating in the S-76 aircraft. Commercial helicopter pilots w ill receive transition training in the S-76.

Prerequisites: 28164
And one of the following: 20700, 20702

28219 Sikorsky S-76 Recurrent Qualification

Training Manager: AMA-260 Course Length: 23 hour(s)

This training w ill enable students to maintain currency in the Sikorsky S-76 helicopter.

Prerequisites: 28218
And one of the following: 20700, 20702

28220 BK-117 Pilot Transition

Training Manager: AMA-260 Course Length: 26 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require flight proficiency in the BK-117.

Prerequisites: 28164
And one of the following: 20700, 20702

28221 Airship Commercial Pilot, Lighter-Than-Air (LTA)

Training Manager: AMA-260 Course Length: 102 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a commercial, Lighter-Than-Air category, and airship class rating.

Prerequisites: None
And one of the following: 20700, 20702

28222 Beechjet 400A Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

Designed for recurrent qualification of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Beechjet 400A.

Prerequisites: 28217
And one of the following: 20700, 20702

28223 A-320 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 154 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Airbus A320. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28224 A-320 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 68 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Airbus A320.

Prerequisites: 28223
And one of the following: 21607, 21632

28225 B-747-400 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 154 hour(s)

This course is primarily designed for initial qualification and standaridization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Boeing 747-400. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28226 B-747-400 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 68 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Boeing 747-400.

Prerequisites: 28225
And one of the following: 21607, 21632

28227 Fokker 100 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 166 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating on the Fokker 100. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28228 Fokker 100 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 72 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Fokker 100 aircraft.

Prerequisites: 21607, 21204, 28227
And one of the following: None

28229 MD-11 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 183 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the MD-11 aircraft. Aircraft flight not available under this contract.

Prerequisites: 21607, 21204
And one of the following: None

28230 MD-11 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 76 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the MD-11 aircraft.

Prerequisites: 28229
And one of the following: 21607, 21632

28231 Sikorsky S-76 Standardization (Simulator)

Training Manager: AMA-260 Course Length: 23 hour(s)

This course is primarily designed for standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the S-76 helicopter.

Prerequisites: 28218
And one of the following: 20700, 20702

28232 Additional Flight Instructor Rating - Helicopter (VFR)

Training Manager: AMA-260 Course Length: 51 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a flight instructor - helicopter rating. This course should be attended in conjunction w ith Course 28164, Helicopter VFR Initial Qualification.

Prerequisites: 28164
And one of the following: 20700, 20702

28233 Grumman Gulfstream IV Initial Qualification

Training Manager: AMA-260 Course Length: 122 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other non-AVN agency flight personnel w hose official duties require a type rating in the G-IV aircraft.

Prerequisites: None
And one of the following: 20700, 20702

28234 Saab 2000 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 128 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Saab 2000. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28235 Canadair RJ CL-65 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 172 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Canadair RJ CL-65. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28237 Gulfstream (G-IV) Recurrent Qualification

Training Manager: AMA-260 Course Length: 34 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other non-AVN agency flight personnel w hose official duties require maintaining flight proficiency in the Gulfstream G-IV.

Prerequisites: 28233
And one of the following: 20700, 20702

28238 G-III Initial Qualification

Training Manager: AMA-260 Course Length: 117 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other non-AVN agency flight personnel w hose official duties require a type rating in the Gulfstream G-III.

Prerequisites: None
And one of the following: 20700, 20702

28239 N-265 Sabreliner Initial Qualification

Training Manager: AMA-260 Course Length: 86 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Sabreliner 40.

Prerequisites: None
And one of the following: 20700, 20702

28240 AS-332 Recurrent Pilot Qualification

Training Manager: AMA-260 Course Length: 32 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require the maintenance of flight proficiency in the AS-332.

Prerequisites: 28262
And one of the following: 20700, 20702

28241 Beechcraft F90 King Air Recurrent Qualification

Training Manager: AMA-260 Course Length: 27 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Beechcraft F90.

Prerequisites: 28245, 20056
And one of the following: 20700, 20702

28243 Saab 2000 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 60 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Saab 2000.

Prerequisites: 28234
And one of the following: 20700, 20702

28245 King Air F-90 Initial Qualification

Training Manager: AMA-260 Course Length: 48 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require proficiency in the Beechcraft F-90.

Prerequisites: 20056
And one of the following: 20700, 20702

28246 Airbus A340 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 200 hour(s)

This course w ill enable students to acquire a type rating for the Airbus A340 aircraft. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28247 Cessna 525 Initial Pilot Qualification

Training Manager: AMA-260 Course Length: 89 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Cessna 525.

Prerequisites: None
And one of the following: 20700, 20702

28248 Beech 300 Pilot Recurrent Qual for Aviation Safety Inspector

Training Manager: AMA-260 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Beech 300.

Prerequisites: 28249
And one of the following: 20700, 20702

28249 Beech-300 Pilot Initial Qual for Aviation Safety Inspectors

Training Manager: AMA-260 Course Length: 78 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Beech 300.

Prerequisites: None
And one of the following: 20700, 20702

28252 Boeing 777 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 182 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Boeing 777. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28253 Gulfstream G-III Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 34 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other non-AVN agency flight personnel w hose official duties require maintaining flight proficiency in the Gulfstream G-III.

Prerequisites: 28238
And one of the following: 20700, 20702

28256 Cessna 750 Initial Qualification

Training Manager: AMA-260 Course Length: 112 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Cessna 750. All students programmed for this course must meet the regulatory requirements for 100% type certification in the simulator. No aircraft is available.

Prerequisites: None
And one of the following: 20700, 20702

28257 MD-80 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 171 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the MD-80 (DC-9). Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28258 MD-80 Pilot Recurrent/Differences

Training Manager: AMA-260 Course Length: 82 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the MD-80.

Prerequisites: None
And one of the following: 21607, 21632, 28257, 20006

28259 DA-2000 Falcon Initial Qualification

Training Manager: AMA-260 Course Length: 93 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the DA-2000 Falcon.

Prerequisites: None
And one of the following: 20700, 20702

28260 DA-2000 Falcon Recurrent Qualification

Training Manager: AMA-260 Course Length: 31 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DA-2000 Falcon.

Prerequisites: 28260
And one of the following: 20700, 21607, 20702

28261 Astra 1125 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 25 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Astra 1125.

Prerequisites: 28076
And one of the following: 20700, 20702

28262 Super Puma AS-332 Initial Qualification

Training Manager: AMA-260 Course Length: 55 hour(s)

This training w ill enable students to acquire a type rating in the Super Puma AS-332 aircraft.

Prerequisites: 28164
And one of the following: 20700, 20702

28263 Airbus A340 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 80 hour(s)

This course will enable students to maintain currency in the Airbus A340 aircraft.

Prerequisites: 21607, 28246
And one of the following: None

28269 Airship (Blimp) Commercial Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 20 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in lighter-than-air airships.

Prerequisites: 28221
And one of the following: 20700, 20702

28270 Beech Starship Initial Qualification

Training Manager: AMA-260 Course Length: 55 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the Beech Starship.

Prerequisites: None
And one of the following: 20700, 20702

28271 Beech Starship Recurrent Qualification

Training Manager: AMA-260 Course Length: 23 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in the Beech Starship.

Prerequisites: 28270
And one of the following: 20700, 20702

28272 Cessna 750 Recurrent Qualification

Training Manager: AMA-260 Course Length: 39 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in the Cessna 750.

Prerequisites: 28256
And one of the following: 20700, 20702

28273 Flight Test Pilot/Engineers Technical Trng Recurrent Qual

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is mandatory for all flight test pilots and flight test engineers on a 2-year recurring basis. The course will assure an adequate level of technical knowledge; an awareness of FAA policies, procedures, and testing techniques necessary on the job tasks on aircraft certification; and for flight testing in particular.

Prerequisites: None
And one of the following: None

28274 Grumman G-111 Albatross Recurrent Qualification

Training Manager: AMA-260 Course Length: 23 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require the maintenance of flight proficiency in the Grumman G-111.

Prerequisites: None
And one of the following: 20700, 20702

28275 Boeing 737-700 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 155 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the Boeing 737. Students must be previously type rated in a turbojet airplane. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28276 BAE ATP Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 102 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the BAE ATP.

Prerequisites: None
And one of the following: 21607, 21632

28277 BAE ATP Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 32 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the BAE ATP.

Prerequisites: 28276
And one of the following: 21607, 21632

28280 Grumman Gulfstream I Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 24 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Gulfstream G-I. (Note: To receive FAR 61.58 proficiency check, students must have logged 3 takeoffs and landings in the aircraft w ithin 90 days prior to course completion.)

Prerequisites: 28281
And one of the following: 20700, 20702

28281 Grumman Gulfstream I Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 74 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Gulfstream G-I.

Prerequisites: None
And one of the following: 20700, 20702

28282 Lockheed Jetstar Recurrent Qualification

Training Manager: AMA-260 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Lockheed Jetstar.

Prerequisites: 28284
And one of the following: 20700, 20702

28284 Lockheed Jetstar Initial Qualification

Training Manager: AMA-260 Course Length: 63 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Lockheed Jetstar.

Prerequisites: None
And one of the following: 20700, 20702

28285 Mitsubishi MU-2 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 62 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a qualification in the MU-2.

Prerequisites: 20056
And one of the following: 20700, 20702

28286 Douglas DC-4 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 52 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the DC-4.

Prerequisites: 28203
And one of the following: 21607, 21632

28287 McDonnell Douglas MD-90 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 154 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the MD-90 (DC-9). Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28288 McDonnell Douglas MD-90 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 68 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the MD-90.

Prerequisites: 28287
And one of the following: 21607, 21632

28289 Helicopter ATP Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 67 hour(s)

This course is designed for aviation safety inspectors and other agency flight personnel w hose official duties require a helicopter airline transport pilot (ATP) certificate.

Prerequisites: 28164, 28071
And one of the following: 20700, 20702

28290 Helicopter Instrument Instructor

Training Manager: AMA-260 Course Length: 42 hour(s)

This course is designed for aviation safety inspectors and other agency flight personnel w hose official duties require a helicopter instrument instructor rating.

Prerequisites: 28164, 28071
And one of the following: 20700, 20702, 21607

28292 Cessna 560 Citation V Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 82 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors w hose official duties require a type rating in the Cessna 560 aircraft.

Prerequisites: None
And one of the following: 20700, 20702

28293 Cessna 560 Citation V Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 28 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors w hose official duties require maintaining flight proficiency in the Cessna 560 aircraft.

Prerequisites: 28292
And one of the following: 20700, 20702

28294 Lear 31A Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 78 hour(s)

This course is primarily designed for initial qualification and standardization of AVN aviation safety inspectors w hose official duties require a type rating in the Lear 31A. All students programmed for this course must meet the regulatory requirements for 100% type certification in the simulator. No aircraft is available.

Prerequisites: None
And one of the following: 20700, 20702

28295 Lear 31A Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 31 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other non-AVN agency flight personnel w hose official duties require maintaining flight proficiency in the Lear 31A aircraft.

Prerequisites: 28294
And one of the following: 20700, 20702

28296 Beech C-90 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 48 hour(s)

This course is designed primarily for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Beech C-90.

Prerequisites: 20056
And one of the following: 20700, 20702

28297 Beech C-90 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 25 hour(s)

This course is designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require the maintenance of flight proficiency in the Beech C-90.

Prerequisites: 28296, 20056
And one of the following: 20700, 20702

28303 Parachute Rigger Certification

Training Manager: AMA-260 Course Length: 56 hour(s)

This training enables students to be prepared to assemble parachutes. Primary purpose is for airw orthiness inspectors to acquire a parachute riggers rating.

Prerequisites: None
And one of the following: 21601, 21603, 21909

28307 Airbus A340 Cross Crew Qualification Initial Pilot Training

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Airbus A340. student must be previously type rated in the Airbus A320. Student must have 150 hours of A320 flight time in the preceeding 12 months.

Prerequisites: 28223
And one of the following: 21607, 21632

28313 GE CJ610-S/CF700 Engine Heavy Maintenance

Training Manager: AMA-262 Course Length: 56 hour(s)

This course is designed for FAA personnel assigned to maintain FAA aircraft w hich incorporates the CJ610/CF700 engines.

Prerequisites: None
And one of the following: None

28316 Canadair CL-65 (CRJ) Aircraft Systems

Training Manager: AMA-260 Course Length: 40 hour(s)

This training is intended for FAA aviation safety inspectors (maintenance and avionics). The course provides a description of Canadair CL-65 components and systems including function, location, interdependencies, failure modes, and effects of failure.

Prerequisites: None
And one of the following: None

28331 Aircraft Noise Measurement and Evaluation for Engineers

Training Manager: AMA-260 Course Length: 72 hour(s)

This course enables the engineer to determine compliance w ith the noise standards for aircraft type certification as set forth in part 36 of the FAR.

Prerequisites: None
And one of the following: None

28332 BAE-31 (Jetstream) Aircraft Systems Familiarization

Training Manager: AMA-260 Course Length: 80 hour(s)

This training is intended for FAA aviation safety inspectors (maintenance and avionics). The course provides a description of BAE-31 components and systems including function, location, interdependencies, failure modes, and effects of failure.

Prerequisites: None
And one of the following: None

28335 Reliability and Probability

Training Manager: AMA-260 Course Length: 48 hour(s)

This course is an aircraft certification course designed primarily for engineers involved in the review of analysis submitted by applicants w hich may involve probability studies or statistical analysis.

Prerequisites: None
And one of the following: None

28338 Boeing 777 Aircraft Systems

Training Manager: AMA-260 Course Length: 56 hour(s)

This training is intended for FAA aviation safety inspectors (maintenance and avionics). The course provides a description of the Boeing 777 components and systems including function, location, interdependencies, failure modes, and effects of failures.

Prerequisites: None
And one of the following: None

28341 Embraer (RJ) 145 Aircraft Systems Familiarization

Training Manager: AMA-260 Course Length: 96 hour(s)

This training is intended for FAA aviation safety inspectors (maintenance and avionics). The course provides a description of ERJ-145 components and systems; including function, location, interdependencies, failure modes, and effects of failure.

Prerequisites: None
And one of the following: None

28343 Fracture Mechanics and Related Damage Tolerance Problems

Training Manager: AMA-260 Course Length: 40 hour(s)

This is an aircraft certification course conducted by industry and is developed primarily for engineers involved in the review of fail-safe characteristics of structures.

Prerequisites: None
And one of the following: None

28346 B-727 Aircraft Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for airworthiness (maintenance/avionics) inspectors (FG-1825 classification) who need a working knowledge of B-727 aircraft systems for the surveillance job function. Subjects include electrical power, fuel system, powerplant, fire detection and control, auxiliary power unit, pneumatics system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic power system landing gear and brake system, flight controls, oxygen and emergency equipment, integrated flight instruments, and autopilot.

Prerequisites: None
And one of the following: None

28355 Aircraft Structural Fatigue

Training Manager: AMA-260 Course Length: 80 hour(s)

This is an aircraft certification course conducted by industry and designed for engineers who assess the adequacy of aircraft with regard to fatigue characteristics. It will provide instruction in basic fatigue fundamentals and a working knowledge and overall picture of structural fatigue and its relationship to aviation safety. Instructions in assessing investigations, evaluating service experience, and applying airworthiness requirements are emphasized.

Prerequisites: None
And one of the following: None

28356 Bell 206B Field Maintenance

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for FAA aviation safety inspectors. It provides a description of components and systems of the Bell 206B helicopter.

Prerequisites: None
And one of the following: None

28357 Boeing 737-700 Pilot Recurrent/Differences

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in the Boeing 737-700 series aircraft. The series includes Boeing 737-600, -700, -800, -900, and BBJ.

Prerequisites: 28275
And one of the following: 21607, 21632

28358 Boeing 717 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 178 hour(s)

This course is primarily for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the Boeing 717. Students must meet the provisions of FAR 61.157(g)(3)(II) for initial turbojet type certification totally in a simulator without restriction. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28359 Survey Course on Aircraft Icing

Training Manager: AMA-260 Course Length: 40 hour(s)

In this training, FAA certification personnel gain knowledge of icing meteorology, icing phenomena, ice protection system design, and testing principles.

Prerequisites: None
And one of the following: None

28362 Lockheed L-1011 Systems

Training Manager: AMA-260 Course Length: 112 hour(s)

This course is for airworthiness (maintenance/avionics) inspectors (FG-1825 classification) who need L-1011 aircraft systems training for the surveillance job function.

Prerequisites: None
And one of the following: None

28365 Boeing 717 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining fight proficiency in the Boeing 717.

Prerequisites: 28257, 28258, 28287, 28288, 28358
And one of the following: 21607, 21632

28366 Cessna 208 Initial Qualification

Training Manager: AMA-260 Course Length: 35 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require flight operations in the Cessna 208.

Prerequisites: 20056
And one of the following: 20700, 20702

28368 Composite Materials for Engineers

Training Manager: AMA-260 Course Length: 64 hour(s)

This training is required for those individuals w ho perform certification and inspection functions related to FAA regulatory responsibilities (engineers).

Prerequisites: None
And one of the following: None

28375 Bell 222/230 Recurrent Pilot Qualification

Training Manager: AMA-260 Course Length: 27 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the BH 222/230.

Prerequisites: 28170
And one of the following: 20700, 20702

28388 Lear 45 Initial Qualification

Training Manager: AMA-260 Course Length: 88 hour(s)

This course is primarily designed for initial qualification and standardization of avition safety inspectors and other agency flight personnel w hose official duties require a type rating in the Lear 45. special note: course contains no aircraft flight time. Students must meet requirements of FAR 61.157 for 100% training and testing in simulator.

Prerequisites: None
And one of the following: 20700, 20702

28390 Principles of Composite Structures, A/W Inspectors

Training Manager: AMA-260 Course Length: 40 hour(s)

This course is for all airw orthiness maintenance inspectors. Course content includes information relating to theory, characteristics, basic design, health and environmental safeguards, material storage/handling, equipment standards, applications, fabrication, failure analysis, quality control, non-destructive inspection (NDI), and repair of graphite and Kevlar materials.

Prerequisites: None
And one of the following: None

28394 Lear 45 Recurrent Qualification

Training Manager: AMA-260 Course Length: 31 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require the maintenance of flight proficiency in the Lear 45.

Prerequisites: 28388
And one of the following: 20700, 20702

28398 B-757 Aircraft Systems

Training Manager: AMA-260 Course Length: 104 hour(s)

This course is for airw orthiness (maintenance/avionics) inspectors (FG-1825 classification) w ho need B-757 aircraft systems training for surveillance job functions.

Prerequisites: None
And one of the following: 21601, 21618

28400 Boeing 737-200 Aircraft Systems

Training Manager: AMA-260 Course Length: 120 hour(s)

This course is for airw orthiness (maintenance/avionics) inspectors (FG-1825 classification) w ho need a w orking know ledge of Boeing 737-200 aircraft for the maintenance surveillance job function. Subjects include electrical pow er, fuel system, pow erplant, fire detection and control, auxiliary pow er unit (APU), pneumatics system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic pow er system landing gear and brake system, flight controls, oxygen and emergency equipment, integrated flight instruments, and autopilot.

Prerequisites: None
And one of the following: None

28402 Digital Avionics Principles and Systems (Avionics)

Training Manager: AMA-260 Course Length: 120 hour(s)

This course consists of 3 w eeks of intensive training on the principles and applications of digital avionics currently in place in the aviation industry. This training is considered mandatory for avionics inspectors and is recommended for engineers.

Prerequisites: None
And one of the following: None

28404 B-767 Aircraft Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for maintenance or electrical/electronics inspectors (FG-1825 classification) who need a working knowledge of Boeing B-767 aircraft systems for the surveillance job function. Study areas include electrical power, fuel system, anti-icing and de-icing systems, air conditioning and pressurization hydraulic power systems; landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: 21601, 21618

28405 Spectrum APQ (Airline Pre-Qualification)

Training Manager: AMA-260 Course Length: 80 hour(s)

A unique training program designed to provide a fundamental knowledge of the differences in flying an advanced technology aircraft. This course will be attended by aviation safety inspectors.

Prerequisites: None
And one of the following: None

28406 Boeing 737-(NG) Aircraft Systems Maintenance

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for airworthiness (maintenance/avionics) inspectors (FG-1825 classification) who need a working knowledge of Boeing 737-600/700/800 aircraft for the maintenance surveillance job function. Subjects include electrical power, fuel system, powerplant, tire detection and control, auxiliary power unit (APU), pneumatics system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic power system equipment, integrated flight instruments, and autopilot.

Prerequisites: None
And one of the following: None

28408 Aircraft Flutter Seminar

Training Manager: AMA-260 Course Length: 40 hour(s)

This course is primarily for certification engineers to enhance their knowledge of aircraft flutter. It consists of classroom and lab to enable the engineer to evaluate flutter analysis techniques and analyze data. The course includes flutter testing. Requirements: BS in aerospace or other engineer discipline with some familiarity in finite element modeling.

Prerequisites: None
And one of the following: None

28409 Boeing 737-300/400/500 Aircraft Systems Maintenance

Training Manager: AMA-260 Course Length: 120 hour(s)

This course is for airworthiness (maintenance/avionics) inspectors (FG-1825 classification) who need a working knowledge of the Boeing 300/400/500 aircraft maintenance surveillance job function. Subjects include electrical power, fuel system, powerplant, fire detection and control, auxiliary power unit (APU), pneumatics system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic power system landing gear and brake system flight controls, oxygen and emergency equipment, integrated flight instruments, and autopilot.

Prerequisites: None
And one of the following: None

28411 Allison 250 Series Engine Training

Training Manager: AMA-260 Course Length: 56 hour(s)

This course is for airworthiness maintenance and avionics inspectors who need Allison 250 engine training for the surveillance job function.

Prerequisites: None
And one of the following: None

28412 Douglas MD-80 Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for maintenance or electrical/electronics inspectors (FG-1825 classification) who need a working knowledge of Douglas MD-80 aircraft systems for the surveillance job function. Study areas include electrical power, fuel system, anti-icing and de-icing system, air conditioning and pressurization, hydraulic power system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28413 Fokker 100 Aircraft Systems (Airworthiness)

Training Manager: AMA-260 Course Length: 77 hour(s)

This course is for maintenance or electrical/electronics inspectors (FG-1825 classification) who need a working knowledge of Fokker 100 aircraft systems for the surveillance job function. Subjects include electrical power, fuel system, powerplant, fire detection and control, auxiliary power unit, pneumatics system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic power system landing gear and brake system, flight controls, oxygen and emergency equipment, integrated flight instruments and autopilot.

Prerequisites: None
And one of the following: None

28414 Douglas MD-11 Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for maintenance or electrical/electronics inspectors (FG-1825 classification) w ho need a w orking know ledge of Douglas MD-11 aircraft systems for the surveillance job function. Study areas include electrical pow er, fuel system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic pow er system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft. Personnel assigned to maintenance of the FAA Douglas MD-11 should take this course.

Prerequisites: None
And one of the following: None

28417 Repairability of Structural Composites

Training Manager: AMA-260 Course Length: 64 hour(s)

This course is for all airw orthiness maintenance and manufacturing inspectors. The course content includes information relating to detecting various types of damages, non-destructive assessment of damages, repair concepts, and case studies.

Prerequisites: 28390
And one of the following: None

28419 BAE-146 System/AVRO RJ-85

Training Manager: AMA-260 Course Length: 120 hour(s)

This course is designed for maintenance or electrical/electronics inspectors (FG-1825 classification) w ho need a w orking know ledge of BAE-146 aircraft systems for the surveillance job function. Study areas include electrical pow er, fuel system, anti-icing and de-icing system, air conditioning and pressurization, hydraulic pow er system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28420 Aerospatiale ATR-42 Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for maintenance or electrical/electronics inspectors (FG-1825 classification) w ho need a w orking know ledge of Aerospatiale ATR-42 Aircraft Systems for the surveillance job function. Study areas include electrical pow er, fuel system, anti-icing and de-icing system, air conditioning and pressurization, hydraulic pow er system, landing gear and brake systems, flight systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28421 Beech 1900 Aircraft Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

28421

Prerequisites: None
And one of the following: None

28422 Dehavilland DHC-8 Systems

Training Manager: AMA-260 Course Length: 112 hour(s)

This course is designed for maintenance or electrical/electronics inspectors (FG-1825 classification) w ho need a w orking know ledge of Dehavilland DHC-8 aircraft systems for the surveillance job function. Study areas include electrical pow er, fuel system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic pow er system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, auto pilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28423 Embraer EMB-120 Systems

Training Manager: AMA-260 Course Length: 40 hour(s)

This course is designed for maintenance or electrical/electronics inspectors (FG-1825 classification) w ho need a w orking know ledge of Embraer EMB-120 aircraft systems for the surveillance job function. Study areas include electrical pow er, fuel system, anti-icing and de-icing system, air conditioning and pressurization, hydraulic pow er system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28424 Gulfstream G-IV Aircraft Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for maintenance or electrical/electronics inspectors (FG-1825 classification) w ho need a w orking know ledge of Gulfstream G-IV aircraft systems for the surveillance job function.

Study areas include electrical power, fuel system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic power system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28425 Saab SF-340 Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for maintenance or electrical/electronics inspectors (FG-1825 classification) who need a working knowledge of Saab-340 aircraft systems for the surveillance job function. Study areas include electrical power, fuel system, anti-icing and de-icing systems, air conditioning and pressurization, hydraulic power system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28426 Short SD-360 Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for maintenance or electrical/electronics inspectors (FG-1825 classification) who need a working knowledge of Short SD-360 aircraft systems for the surveillance job function. Study areas include electrical power, fuel system, anti-icing and de-icing system, air conditioning and pressurization, hydraulic power system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28427 DC-9 Maintenance and Inspection Course

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for mechanics and inspection/quality control personnel who need a working knowledge of the Douglas DC-9 systems and the JT8D engine to maintain the airworthiness of the Douglas DC-9 aircraft operated by the FAA.

Prerequisites: None
And one of the following: None

28428 CASA 212 Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for maintenance or electrical/electronics inspectors (FG-1825 classification) who need a working knowledge of CASA 212 aircraft systems for the surveillance job function. Study areas include electrical power, fuel system, anti-icing and de-icing system, air conditioning and pressurization, hydraulic power system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot, and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28429 Fairchild Dornier DO-328 Jet Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 163 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require a type rating in the DO-328 jet. Students must meet the provisions of FAR 61.157 (g)(3)(II) for initial turbo jet-type certification totally in a simulator without restriction. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28430 Fairchild Dornier DO-328jet Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 75 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel whose official duties require maintaining flight proficiency in the DO-328jet.

Prerequisites: 28429
And one of the following: 21607, 21632

28431 Manufacturing Technology and Process

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for certification personnel. The training consists of evaluation criteria; material and metallurgy; metal machining; milling, removal, casting, forging, forming, and nolling; fastening technologies, assembly, welding, fixture, and tooling.

Prerequisites: None
And one of the following: None

28432 Quality Assurance Engineering

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for aircraft certification personnel. This training covers fundamental concepts of probability, statistical quality control, and design experiments; quality planning and management; meterology, inspection, and testing; quality cost analysis; reliability, maintainability, and product safety; and motivation and human factors.

Prerequisites: None
And one of the following: None

28433 Safety Assessment Principles and Techniques

Training Manager: AMA-260 Course Length: 72 hour(s)

This training is designed for certification personnel. It consists of evaluation of fail-safe design techniques; how to apply service experience; safe-life concepts; failure modes effects analysis and fault tree analytical techniques; Weibull analysis and FAA AC 1309.1 Criteria; multiple failures; undetected failures; and flight crew alerting.

Prerequisites: 28335
And one of the following: None

28434 Statistical Process Controls and Statistical Sampling

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for certification personnel. The training includes the following topics: math refresher, statistical process control, control charts (including interpretation), design experiments, control of variation, trend data, basic analysis techniques, process control methods, process validation, and FAA requirements and interpretation.

Prerequisites: None
And one of the following: None

28435 Allison Convair 580 Maintenance and Inspection

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for mechanics and/or inspection and quality control personnel who need a working knowledge of the Allison Convair 580 aircraft systems and Allison 501 engine to maintain the airworthiness of the Allison Convair aircraft operated by the FAA.

Prerequisites: None
And one of the following: None

28436 Swearingen SA-226/227 Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is designed for maintenance or electrical/electronics inspectors (FG-1825 classification) who need a working knowledge of Swearingen SA-226/227 aircraft systems for the surveillance job function. Study areas include electrical power, fuel system, anti-icing and de-icing system, air conditioning and pressurization, hydraulic power system, landing gear and brake systems, flight controls, oxygen and emergency equipment, integrated flight instruments, autopilot and locating components at the aircraft.

Prerequisites: None
And one of the following: None

28442 Rotorcraft Systems and Surveillance

Training Manager: AMA-260 Course Length: 70 hour(s)

This course is designed for FAA airworthiness inspectors (maintenance/avionics) who are responsible for surveillance, certification, airworthiness, alterations, and repairs of rotorcraft. It consists of classroom instruction and laboratory analysis. The focus of the course is on the design, construction, manufacturing, and airworthiness qualities of various types and models of rotorcraft.

Prerequisites: None
And one of the following: None

28443 Emergency Evacuation and Survival Equipment

Training Manager: AMA-260 Course Length: 24 hour(s)

This course is for airworthiness and operations inspectors. It provides training to determine the quality and condition of required aircraft emergency equipment and to evaluate aircraft emergency evacuations. It consists of classroom, laboratory, and field training. It includes the following emergency equipment subject areas: exits, lighting, evacuation slides, emergency evacuation procedures and standards, flotation equipment, supplemental oxygen, maintenance manual requirements, miscellaneous equipment, and federal aviation regulations. Class activities include aircraft cabin fire extinguishing and life raft boarding drills at the student's option.

Prerequisites: None
And one of the following: None

28444 Canadair CL-600 (Challenger) Aircraft Systems

Training Manager: AMA-260 Course Length: 40 hour(s)

This course is for airworthiness (maintenance/avionics) inspectors (FG-1825 classification) who need a working knowledge of the Canadair CL-600 aircraft systems for the surveillance job function. There are no prerequisites.

Prerequisites: None
And one of the following: None

28445 Canadair RJ CL-65 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 76 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the Canadair RJ CL-65.

Prerequisites: 28235
And one of the following: 21607, 21632

28446 Boeing 737-300 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 154 hour(s)

This course w ill enable students to acquire a type rating for the Boeing 737 aircraft. Additional prerequisite: student must have been previously type rated in a Group II (turbojet) airplane. Student must meet the requirements of FAR 61 for unlimited type certification in a simulator.

Prerequisites: None
And one of the following: 21607, 21632

28447 Boeing 737-300 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duites require maintaining flight proficiency in the Boeing 737-300/400/500.

Prerequisites: None
And one of the following: 21607, 21632, 28000, 28446

28448 BAE 125-1000 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 90 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the BAE 125-1000.

Prerequisites: None
And one of the following: 20700, 20702

28449 BAE 125-1000 Pilot Recurrent Qualification

Training Manager: AMA-260 Course Length: 24 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require maintaining flight proficiency in the BAE 125-1000.

Prerequisites: 28448
And one of the following: 20700, 20702

28450 Lear 35/36 Pilot Initial Qualification

Training Manager: AMA-260 Course Length: 79 hour(s)

This course is primarily designed for intial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Lear 35/36.

Prerequisites: None
And one of the following: 20700, 20702

28451 Aircraft Structures for Inspectors

Training Manager: AMA-260 Course Length: 56 hour(s)

This course is for manufacturing and airw orthiness inspectors. Subject areas include forces and moments, stress analysis, aircraft structural design considerations, detrimental effects on aircraft structures, fasteners and fastening techniques, structural repair (including composites), inspection methods, and structural testing. This course w as formerly 22501.

Prerequisites: None
And one of the following: None

28452 New Technology and Generic Air Carrier Aircraft Systems

Training Manager: AMA-260 Course Length: 28 hour(s)

This course is designed to familiarize airw orthiness and avionics ASI's w ith new technologies being installed in new , late model air carrier aircraft, such as GPS, GPWS, TCAS, FMS, EFIS, DVR, and FDR systems.

Prerequisites: None
And one of the following: None

28453 Aircraft Software Fundamentals

Training Manager: AMA-260 Course Length: 60 hour(s)

A descriptive analysis of softw are applied to aircraft design, analysis, and operation.

Prerequisites: None
And one of the following: None

28454 Bell 212/412 Recurrent Pilot Qualification

Training Manager: AMA-260 Course Length: 29 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require the maintenance of flight proficiency in the Bell 412 helicopter.

Prerequisites: 28100
And one of the following: None

28455 Maintenance Resource Management for FAA AFS Inspectors

Training Manager: AMA-260 Course Length: 16 hour(s)

This training show s maintenance and avionics inspectors the techniques for efficiency and accident/injury prevention. Topics include error chain recognition, human factor causes of accidents and incidents, situation aw areness, team skills, and stress management.

Prerequisites: None
And one of the following: None

28456 Traffic Alert and Collision Avoidance Systems (TCAS/ACAS)

Training Manager: AMA-260 Course Length: 24 hour(s)

This training identifies the TCAS/ACAS operating principles, the identification and avoidance process, and system limitations. Descriptions of the system components are presented. The general computer structure and configurations are described.

Prerequisites: None
And one of the following: None

28457 Enhanced Ground Proximity Terrain Avoidance Warning Systems

Training Manager: AMA-260 Course Length: 24 hour(s)

This training identifies the EGPWS/TAWS operating principles, the terrain identification process, and system limitations. Descriptions of the system components are presented. The general computer structure and configurations are described.

Prerequisites: None
And one of the following: None

28458 Aging Aircraft - Corrosion Prevention and Control Program

Training Manager: AMA-260 Course Length: 18 hour(s)

This course is designed for maintenance safety inspectors. The course helps inspectors develop skills and know ledge important in evaluating, auditing, and conducting surveillance of corrosion prevention and control programs (CPCP). Course content includes a discussion of CPCP background and origin, scientific aspects of corrosion; CPCP structure and methods of implementation; and inspector audit and surveillance activities related to CPCP. The training methods used in this course include informal lecture, question and answ er, small group exercises, and case study. The order of priority for this training is flight standards maintenance inspectors w ith Parts 121/135/91 responsibilities.

Prerequisites: 21909
And one of the following: None

28459 Cessna 560XL Initial Qualification

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Cessna 560XL aircraft.

Prerequisites: None
And one of the following: None

28460 Cessna 560XL Recurrent Qualification

Training Manager: AMA-260 Course Length: 30 hour(s)

This course is primarily designed for recurrent qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require the maintenance of flight proficiency in the Cessna 560XL.

Prerequisites: None
And one of the following: None

28461 Dehavilland DHC-8-400 Initial Qualification

Training Manager: AMA-260 Course Length: 151 hour(s)

This course is primarily designed for initial qualification and standardization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Dehavilland DHC-8-400 aircraft.

Prerequisites: None
And one of the following: None

28462 Dehavilland DHC-8-400 Recurrent Qualification

Training Manager: AMA-260 Course Length: 48 hour(s)

This course is primarily designed for recurrent qualification and standarization of aviation safety inspectors and other agency flight personnel w hose official duties require a type rating in the Dehavilland DHC-8-400 aircraft.

Prerequisites: 28461
And one of the following: None

28463 Basic Auditing for AVR Personnel

Training Manager: AMA-260 Course Length: 24 hour(s)

This course provides the aviation safety inspector w ith a basic understanding of quality management systems used by aerospace organizations. The inspector is instructed in methods and techniques of auditing, the use of auditing tools, audit preparation, and report w riting. The inspectors role and responsibilities before, during, and after the audit are presented. Opportunities to practice in group settings w ill be provided.

Prerequisites: None
And one of the following: None

28476 Lightning Protection of Aircraft

Training Manager: AMA-260 Course Length: 40 hour(s)

This training is to familiarize aircraft certification engineers w ith the w ays in w hich lightning may interact w ith an aircraft and the techniques and approaches that may be utilized to protect the aircraft against effects w hich may constitute changes to safe flight.

Prerequisites: None
And one of the following: None

28482 Aeroelasticity/Flutter Seminar

Training Manager: AMA-260 Course Length: 40 hour(s)

This is a seminar through Washington headquarters to provide training in aeroelasticity and flutter.

Prerequisites: 22504
And one of the following: None

28483 Digital Technology/Familiarization - Maintenance Inspector

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for airw orthiness inspectors to improve their know ledge of digital technology relating to aircraft pow er plant systems and glass cockpit and computers. This training w ill bridge inspectors' know ledge from mechanical to computers and how to control and operate these systems.

Prerequisites: None
And one of the following: None

28484 Airbus Industries - A-320 Systems

Training Manager: AMA-260 Course Length: 80 hour(s)

This state-of-the-art course familiarizes airw orthiness inspectors w ith applicable Airline Transport Association (ATA) Systems, glass cockpit, fly-by-w ire pow erplant control, and applicable make, model pow erplants. This course includes cockpit demonstrations of normal and abnormal (ground and flight) operations in a simulator. Inspectors assigned to air carriers operating this aircraft should attend this training.

Prerequisites: None
And one of the following: None

28485 Sikorsky S-76 Helicopter (Maintenance)

Training Manager: AMA-260 Course Length: 48 hour(s)

This course provides airw orthiness inspectors w ith maintenance skills for the Sikorsky S-76 helicopter.

Prerequisites: None
And one of the following: None

28486 Boeing B-747-400 Systems

Training Manager: AMA-260 Course Length: 112 hour(s)

This state-of-the-art course familiarizes airw orthiness inspectors w ith applicable airline transport association (ATA) systems, glass cockpit, fly-by-w ire pow erplant control, and applicable make/model pow erplants. This course includes cockpit demonstrations of normal and abnormal (ground and flight) operations in a simulator. Inspectors assigned to air carriers operating this aircraft should attend this training.

Prerequisites: None
And one of the following: None

28488 General Electric CFM-56

Training Manager: AMA-260 Course Length: 40 hour(s)

This course familiarizes airw orthiness inspectors w ith the pow erplant system, nomenclature, equipment, and inspection requirements. Inspectors assigned to air carriers operating CFM-56 aircraft should attend this course.

Prerequisites: **None**
And one of the following: **None**

28489 Engine Vibration Analysis Turbine/Piston

Training Manager: AMA-260 Course Length: 40 hour(s)

This course focuses on review ing basic vibration theory/introduction to turbine and reciprocating engine vibration theory, and analysis of turbine blade.

Prerequisites: **22505**
And one of the following: **None**

28490 Loads Analysis Use Subsonic Panel Aerodynamic Method

Training Manager: AMA-260 Course Length: 40 hour(s)

This course w ill acquaint aircraft certification engineers w ith state-of-the-art analytical techniques for development of pressure distribution on airplane lifting surfaces for use in structural loads.

Prerequisites: **28333**
And one of the following: **None**

28491 Introduction to Weibull and Risk Analysis Methods

Training Manager: AMA-260 Course Length: 24 hour(s)

This course provides engineers w ith an understanding of Weibull techniques on failure analysis, introduction to risk analysis, and risk modeling.

Prerequisites: **None**
And one of the following: **None**

28533 Flight Standards Network Administration

Training Manager: AFS-520 Course Length: 64 hour(s)

Provides training in Flight Standards Automation System (FSAS) netw ork maintenance, softw are and hardw are toubleshooting, administrative, logistical, automation security, and operating system maintenance skills.

Prerequisites: **None**
And one of the following: **None**

28546 Air Show Ground and Air Operations for Inspectors

Training Manager: AMA-260 Course Length: 8 hour(s)

This course provides the aviation safety inspector w ith the ability to evaluate the safety aspects of air show ground and air operations. The inspector w ill be able to identify the relevant safety factors associated w ith conducting an air show ; evaluate the planning, coordination, and safety aspects of an air show ; issue or support the denial of issuing a certificate of w aiver or authorization; and conduct surveillance of the event, as appropriate.

Prerequisites: **None**
And one of the following: **None**

28555 Safety Performance Analysis System (SPAS)

Training Manager: AFS-520 Course Length: 32 hour(s)

This course trains aviation safety inspectors to use the sophisticated new techniques and procedures the SPAS provides. A combination of lecture and discussion and hands on computer modules w ill enable the inspectors to navigate SPAS to acquire key concepts related to SPAS performance measures and indicators, enter acknow ledgements and comments, and create graphic displays of SPAS data. Participants w ill also learn to use this data to better focus surveillance activities and w ork programs.

Prerequisites: **21423, 21416, 21418**
And one of the following: **None**

28562 SPAS Enhancement Training

Training Manager: AFS-900 Course Length: 8 hour(s)

This in-office course trains aviation safety inspectors, safety data analysts, and AST's to use the new features and enhancements that have been incorporated into SPAS since October 1997. It also introduces the new AIR personnel module (APM). The participants w ill complete the on-line exercises and analyze data associated w ith their job responsibilities using the strategies provided. Contact Ann Dimare at 617/494-2757 for additional information.

Prerequisites: **None**
And one of the following: **28555, 22005**

28888 Specialized Flight Training

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is primarily designed for initial or recurrent qualification and standardization of aviation safety inspectors and other AFS and AIR flight engineer qualifications, as appropriate, in a specialilzed aircraft type. Each class w ill have a unique title w hich w ill describe the specialized training provided by the class.

Prerequisites: **None**
And one of the following: **None**

28999 Specialized Job Function Training

Training Manager: AMA-260 Course Length: 80 hour(s)

This course is for AVR, AIR, and AFS personnel only. The course provides advanced, in-depth training concerning the design, certification, inspection, and operating procedures relative to specific aircraft. Each class will have a unique title and cover a unique subject.

Prerequisites: None
And one of the following: None

29800 Instrument and Performance Refresher - Light Twin

Training Manager: AFS-520 Course Length: 40 hour(s)

This course is for general aviation operations inspectors assigned to flight crew member, safety pilot, or airmen certification duties in an aircraft other than those requiring type ratings by type design. The course includes 12 hours of flight training in flight training devices or simulators. Students must bring an FAA Form 4040-2 to class. When they return to their offices at the conclusion of the course, students must complete the items on the Form 4040-2 not completed during the class in a multiengine airplane. The maneuvers that must be completed include a circling approach, crosswind/normal landing, zero-flap landing, single-engine landing, and VMC demonstration.

Prerequisites: None
And one of the following: 20700, 20702

40000 VTABS Site Maintenance

Training Manager: AMA-410 Course Length: 64 hour(s)

This course provides training for ARTCC technicians, engineers, SPS's, and FAA Technical Center personnel on the VSCS Training and Backup System (VTABS), Type 10500. The course is 40 hours Academy lecture and 24 hours Academy laboratory. Lecture and laboratory subjects include system introduction and overview, VTABS workstation, cutover switch subsystem, system monitor, control subsystem, system architecture, position equipment module (PEM), voice switch, IDF, LANs, power supplies, system monitor and control subsystem (SMC), and system-level troubleshooting.

Prerequisites: None
And one of the following: 40051, 40272, 40273, 48171, 48172

40023 ICSS Type I, Maintenance

Training Manager: AMA-410 Course Length: 56 hour(s)

This course provides training for technicians and engineers on the Model 400 Integrated Communications Switch System (ICSS) Type I. The course is 25 hours Academy lecture and 31 hours Academy laboratory. Lecture subjects include ICSS's system control unit operation, the compuer-based system control, operation and function of the position console equipment, and function of the central rack equipment. Laboratory subjects include test and alignment procedures, preventive and corrective maintenance, and troubleshooting.

Prerequisites: 47504
And one of the following: None

40024 ICSS Type II, Maintenance

Training Manager: AMA-410 Course Length: 64 hour(s)

This course provides training for technicians on the ICSS Type II. The course is 23 hours Academy lecture and 41 hours Academy laboratory. Lecture subjects include position modules, module controller, TDM concepts, PCM BUS, common controller, DCC BUS, POSCO, RADCO, TRUO, and T/R interface racks. Laboratory subjects include level checks, power supply checks, squelch adjustment, mapping and reconfiguration, and troubleshooting practice.

Prerequisites: 47504, 47012
And one of the following: None

40028 Denro Rapid Deployment Voice Switch (RDVS)

Training Manager: AMA-410 Course Length: 48 hour(s)

This course provides training for technicians on the ICSS Denro Model 400 RDVS. The course is 24 hours Academy lecture and 24 hours Academy laboratory. Lecture subjects include RDVS system description, theory of operation of LRU's, system reconfiguration, audio levels/alignments, and troubleshooting. Laboratory subjects include operation of positions, audio level checks, alignment of positions, central rack boards and power supplies, system reconfiguration, and troubleshooting.

Prerequisites: 47504
And one of the following: None

40029 ICSS L/A 3080

Training Manager: AMA-410 Course Length: 48 hour(s)

This course provides training for technicians on the Litton/Amecon II ICSS 3080. The course is 23 hours Academy lecture and 25 hours Academy laboratory. Lecture subjects include PCU, RCU, TCU, position modules, MCU, power distribution, common elements, mapping, and reconfiguration. Laboratory subjects include calling procedures, level checks, mapping, and reconfiguration.

Prerequisites: 47012, 47504
And one of the following: None

40041 ETVS Hardware Maintenance

Training Manager: AMA-410 Course Length: 96 hour(s)

This course provides training for technicians on the Denro Enhanced Tow er Voice Sw itch (ETVS). The course is 48 hours Academy lecture and 48 hours Academy laboratory. Lecture subjects include ETVS System overview , function and operation of position modules, purpose and theory of operation of ETVS LRU's, periodic and corrective maintenance, system reconfiguration, fault isolation and troubleshooting. Laboratory subjects include operation of position equipment, system-level checks and alignments, system reconfiguration, fault isolation, and troubleshooting.

Prerequisites: 47504
And one of the following: None

40042 Litton Rapid Deployment Voice Switch (RDVS) IIA

Training Manager: AMA-410 Course Length: 80 hour(s)

This course provides training for engineers and technicians on the RDVS IIA System. The course is 40 hours Academy lecture and 40 hours Academy laboratory. Subjects include system overview , operating features and capabilities, position equipment, control units, quality control and configuration control terminals, map and source file editing, pow er distribution, passw ord protection, and troubleshooting using the system softw are.

Prerequisites: 47504
And one of the following: None

40043 ACD/VRS - DSP 1000 Maintenance

Training Manager: AMA-410 Course Length: 80 hour(s)

This course provides training for AF personnel responsible for maintaining the automated call Director/Voice Retrieval System - Digital Sw itching Platform 1000 System. Subjects include a course overview , system technical manuals, terminology, and a lab w alk-through. Lecture/lab requires the student to identify, familiarize, and perform tasks associated w ith equipment configurations, components and their functions, the system database and related screen menu structures, system operations, and cable tracing. System troubleshooting challenges the student to identify and isolate system problems and determine the appropriate corrective action required to make the system operational.

Prerequisites: None
And one of the following: None

40045 Digital Voice Recorder, Type II (DVR2)

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the DVRS, Type II (DVR2). This course is 20 hours Academy lecture and 20 hours Academy laboratory. Lecture subjects include the theory of operation, evaluations, preventative maintenance procedures, and fault analysis. Laboratory subjects include system operating procedures, system evaluation, routine test procedures, adjustments, and isolation of faults.

Prerequisites: None
And one of the following: None

40046 VCSU Site Software Maintenance Delta

Training Manager: AMA-410 Course Length: 88 hour(s)

This course provides training for technicians on the softw are for the VSCS control subsystem upgrade (VCSU) of the Voice Sw itching and Control System (VSCS). The course is 44 hours Academy lecture and 44 hours Academy laboratory. The scope of the subject matter is changes to the VSCS as a result of the VCSU implementation. Lecture subjects include system architecture, w orkstation operations, softw are operational analysis, data base management, softw are configuration, and system administration for Window s 2000. Laboratory subjects include fault mitigation, user interface operations, system startup/shutdow n, technical documentation, and file management.

Prerequisites: None
And one of the following: 40273, 48172

40047 VCSU Hardware Maintenance Delta

Training Manager: AMA-410 Course Length: 64 hour(s)

This course provides training for technicians on the hardw are for the VSCS Control Subsystem Upgrade (VCSU) of the Voice Sw itching and Control System (VSCS). The course is 37 hours Academy lecture and 37 hours Academy laboratory. The scope of the subject matter is changes to the VSCS as a result of the VCSU implementation. Lecture subjects include system architecture, w orkstation operations, corrective and preventive maintenance, softw are configuration, and system administration for Window s 2000. Laboratory subjects include fault mitigation, user interface operations, SIS maintenance, system startup/shutdow n, technical documentation, and file management.

Prerequisites: None
And one of the following: 40272, 48171

40048 Litton RDVS IIA (Navy Equipment Emphasis)

Training Manager: AMA-410 Course Length: 80 hour(s)

This course provides training targeted for Navy specialists on the RDVS IIA System. The course is 40 hours Academy lecture and 40 hours Academy laboratory. Subjects include system overview , operating features and capabilities, position, position equipment, control units, quality control and configuration control terminals, map and source file editing, pow er distribution, passw ord protection, troubleshooting using the system softw are, and programming of the PICT.

Prerequisites: None
And one of the following: None

40049 C3 VHF/FM Radio System for Technicians

Training Manager: AMA-410 Course Length: 24 hour(s)

This course provides training for the system specialist to operate and maintain all C3 VHF/FM related equipment. The course is 8 hours Academy lecture and 16 hours Academy laboratory. Training includes installation, operation, troubleshooting and maintenance of XTS3000 radios, mobile units, Quantar repeaters, and base stations and all ancillary equipment.

Prerequisites: 47504
And one of the following: None

40050 C3 VHF/FM Radio System Software

Training Manager: AMA-410 Course Length: 24 hour(s)

This course provides training for system specialists in the operation and application of Motorola RSS and CPS software for the specific equipment used in the FAA configuration. The course is 8 hours Academy lecture and 16 hours Academy laboratory. Training includes encryption-decryption and configuration of handheld radios, mobile units, repeaters, and base stations as well as ancillary equipment (DIU, MC2500, IFR test set).

Prerequisites: 40049
And one of the following: None

40051 VSCS Hardware Maintenance

Training Manager: AMA-410 Course Length: 480 hour(s)

This course provides training for technicians on the hardware for the Voice Switching and Control System (VSCS). The course is 266 hours Academy lecture and 214 hours Academy laboratory. Lecture subjects include system architectural overview, maintenance position operation, system configuration, troubleshooting, software configuration and restoration, and analysis of diagnostic results. Laboratory subjects include fault mitigation, user interface operations, switching system architecture, SIS maintenance, system startup/shutdown, technical documentation, and file management.

Prerequisites: 47012, 88440
And one of the following: None

40052 VSCS Site Software Support

Training Manager: AMA-410 Course Length: 280 hour(s)

This course provides training for technicians on the operational software program for the Voice Switching and Control System (VSCS). The course is 140 hours Academy lecture and 140 hours Academy laboratory. Lecture subjects include writing, debugging, and executing programs; updating and modifying adaptation parameters; and modifying, debugging, and executing maintenance and diagnostic programs. Laboratory subjects include Windows 2000 advanced server utilities, system management, peripheral operations, file operation, user interface operation, system troubleshooting, system startup/shutdown, call processing, and database management.

Prerequisites: 40051, 47012, 88440
And one of the following: None

40053 Basic National Airspace System (NAS) Knowledge

Training Manager: AMA-405 Course Length: 24 hour(s)

This course is designed to meet the new hire training initiative program by providing a baseline for understanding the role of the maintenance and certification programs within the FAA. Students will gain working knowledge of FAA Order 6000.15, General Maintenance Handbook for National Airspace System (NAS) Facilities and apply those learned principles during this course. Subject matter includes the following areas: organizational structure of Air Traffic Organization (ATO), National Airspace System (NAS) overview and functions, tort law, maintenance and certification programs, coordination activities, and protection of property and personnel.

Prerequisites: None
And one of the following: None

40054 New Hire Orientation

Training Manager: AMA-410 Course Length: 152 hour(s)

This course is designed for the newly hired system specialist. It includes basic NAS knowledge, required EOSH awareness training, telecommunications and other prerequisite technical areas required by the student to prepare them for further training in FAA systems. This training includes equivalency for Courses 14602, Awareness of Lockout/Tagout; 45510, Orientation & Safety OJT; 44506, AF General Maintenance Handbook; 12723, Airport Ground Vehicle Operations, 12763, Applications; 12753, Basic Telecommunications, and 12754, Advanced Telecommunications.

Prerequisites: None
And one of the following: None

40055 Communications Systems

Training Manager: AMA-410 Course Length: 240 hour(s)

This course is designed to teach basic communications to system specialists. Subjects include communications theory, AN/GRR-23/24, AN/GRT-21/22, PET 2000, remote RCE and Motorola CM-200 VHF/UHF receiver, and transmitter operations and adjustments. It includes the material in courses 47504, (CBI/MM) communication equipment, and

45022, VHF and UHF transmitters and receivers OJT, and ends with aministration of certification exam 88581 VHF & UHF Communications Equipment and Facility Wiring (CP70), which must be passed for successful completion of the course.

Prerequisites: None
And one of the following: None

40132 Boilers and Chillers

Training Manager: AMA-430 Course Length: 120 hour(s)

This course provides training for technicians on boilers and centrifugal chillers used at ARTCC's. The course is 60 hours Academy lecture and 60 hours Academy laboratory. Lecture subject areas include theory and construction of boilers and centrifugal chillers; troubleshooting water testing and treatment; boiler tube replacement methods; boiler operational safety; centrifugal chillers, motors, and controls; water distribution equipment; air handling; and auxiliary equipment. Laboratory subject areas include centrifugal chiller/boiler safety and operation, troubleshooting, and water treatment.

Prerequisites: None
And one of the following: 40114, 47607, 40156

40133 Environmental Systems and Controls

Training Manager: AMA-430 Course Length: 200 hour(s)

This course provides training for technicians on Johnson and Honeywell pneumatic controls and devices, Liebert Computer Air Conditioning Systems, and CSI direct digital controls used at ARTCCs. The course is 100 hours Academy lecture and 100 hours Academy lab. Lecture subjects include properties and the condition of air; system analysis and balancing; pneumatic control of air handling equipment; environmental control systems remote monitoring equipment; use of special test equipment and computers; troubleshooting and calibration methods; and performance evaluation. Lab subjects include pneumatic control system adjustment and system troubleshooting.

Prerequisites: 88440, 88441
And one of the following: 40114, 47607, 40156

40135 Approach Lighting System With Flashers (ALSF)-II (Godfrey)

Training Manager: AMA-430 Course Length: 120 hour(s)

This course provides training for technicians and engineers on the Godfrey ALSF-2 FA-9993. The course is 60 hours Academy lecture and 60 hours Academy laboratory. Subjects include constant current regulators, control and monitor cabinet, and ADB-ALNACO flashers with master timer a control cabinet.

Prerequisites: None
And one of the following: 44111, 47600, 44117

40136 Approach Lighting System With Flashers (ALSF)-II (Airflo)

Training Manager: AMA-430 Course Length: 120 hour(s)

This course provides training for technicians and engineers on the Airflo ALSF-II FA-10048. The course is 60 hours Academy lecture and 60 hours Academy laboratory. Lecture and laboratory subjects include constant current regulator, control and monitor cabinet, Godfrey flashers, and control cabinet.

Prerequisites: None
And one of the following: 44111, 47600, 44117

40143 Medium Intensity Approach Lighting System With RAIL

Training Manager: AMA-430 Course Length: 80 hour(s)

This course provides training for technicians on the MALSR/RMS and REIL/RMS, Types FA-10290 and FA-10264. The course is 40 hours Academy lecture and 40 hours Academy laboratory. Lecture subjects include configuration, control cabinet, ICC, flasher head, and RMS. Laboratory subjects include control cabinet, ICC, RMS, and troubleshooting.

Prerequisites: None
And one of the following: 44111, 47600, 44117

40147 DME MALSR/RMS

Training Manager: AMA-430 Course Length: 48 hour(s)

This course provides training for technicians and engineers on the Medium Intensity approach light system with runway alignment indicator lights (MALSR) and Remote Monitor System (RMS) manufactured by the DME Corporation. The course is 20 hours Academy lecture and 28 hours Academy laboratory. Lecture subjects include system and component description, layout and configuration, circuit description, interconnection diagrams, component operation, and RMS general description and operation. Lab subjects include equipment layout, configuration, component location, maintenance tasks, adjustments, system troubleshooting, and RMS operation and use.

Prerequisites: None
And one of the following: 44111, 47600, 44117

40148 NBP Dual Mode ALSF-2/SSALR

Training Manager: AMA-430 Course Length: 160 hour(s)

This course provides training for technicians, engineers, SPS, and FAATC personnel on the New Bedford Panoramex Dual Mode ALSF-2/SSALR, Type FA-10700. The course is 80 hours Academy lecture and 80 hours laboratory. Lecture subjects include electrical safety (high voltage), electro-static discharge (ESD), system overview, safety disconnect switch, 480 VAC input cabinet, 50 KVA transformer, distribution panel high voltage output cabinet, lamp holder shorting device, constant current regulator, control and monitor cabinet, remote control cabinet, remote electronic cabinet, and individual flashers and testers. Lab subjects include operation, preventive maintenance, and troubleshooting.

Prerequisites: None
And one of the following: 44111, 47600, 44117

40149 Exide Power Conditioning System (PCS) Maintenance

Training Manager: AMA-430 Course Length: 80 hour(s)

This course provides training for technicians on the Exide UPS 3000 Series, 50 KW, 80 KW, 100 KW (but not Exide Powerware or BP Series UPS). The course is 40 hours Academy lecture and 40 hours Academy laboratory. Lecture subjects include overall operation, rectifier charger, inverters, inverter legs, static switch, batteries, and A13 cards. Laboratory subjects include system operating procedures. Students who have completed Course 47604, ACEPS (or equivalent) should not take this course.

Prerequisites: None
And one of the following: 44111, 47600, 44117

40154 Kohler Engine Generator Power Systems

Training Manager: AMA-430 Course Length: 80 hour(s)

This course provides training for technicians and engineers on Kohler engine generators, control panels, and automatic transfer switches. The course is 40 hours Academy lecture and 40 hours AAcademy laboratory. Lecture subjects include generators, governors, voltage regulators, and theory of Kohler engine generator systems. Laboratory subjects include electrical/electronic maintenance and repair of automatic transfer switches and troubleshooting mechanical and electrical systems. Only for personnel who have had prior engine generator training.

Prerequisites: 40127
And one of the following: 44111, 47600, 44117

40156 Air Conditioning

Training Manager: AMA-430 Course Length: 120 hour(s)

This course provides training for technicians, engineers, FAA Technical Center personnel, and developmental technicians on air conditioners of 10 tons or less and window-type air conditioners. The course is 60 hours Academy lecture and 60 hours Academy laboratory. Lecture subjects include heat, temperature, pressure, air, basic refrigeration, basic air conditioning, compressors, heat pumps, and electrical and refrigeration troubleshooting. Laboratory subjects include basic refrigeration principles, airflow, troubleshooting analysis, soldering and brazing of piping, and basic maintenance procedures.

Prerequisites: None
And one of the following: 44111, 44117

40157 UPS-30/160 KVA Balanced Power (BP) III

Training Manager: AMA-430 Course Length: 56 hour(s)

This course provides training for system performance specialists, FAA Technical Center personnel, and developmental technicians on Powerware Plus IPM/BP III Models 30, 40, 50, 65, 80 and 160 uninterruptible power supply (UPS) manufactured by Powerware. The course is 28 hours lecture and 28 hours lab. Lecture subjects include system overview, startup and shutdown procedures, rectifier control board, inverter board, monitor board, power supply modules, software setup and configuration. Lab subjects include startup and shutdown; rectifier, inverter and monitor board setup; module replacements; software configuration and interface with module.

Prerequisites: 88440, 88441
And one of the following: 44111, 44117

40158 Fiber Optic Concepts

Training Manager: AMA-430 Course Length: 40 hour(s)

This course provides training for technicians, engineers, FAA Technical Center personnel, and developmental technicians on the concepts of fiber optics. This course is 12 hours Academy lecture and 28 hours Academy laboratory. Lecture subjects include fiber optic theory, safety, and emergency restoration. Laboratory subjects include cable structure, power meter and light source operation, fiber preparation and splicing, effects of matching GEL, connectorization optical time domain reflectometer use, and fusion splicing. Due to safety requirements of the course, students are required to wear long pants.

Prerequisites: None
And one of the following: None

40159 Racal-Premnet Fiber Optic Multiplexer

Training Manager: AMA-430 Course Length: 40 hour(s)

This course provides training for technicians, engineers, FAA Technical Center personnel, and developmental technicians on the Premnet 5000 fiber optic multiplexer. The course is 12 hours Academy lecture and 28 hours Academy laboratory. Lecture subjects include fiber optic applications in an airport loop, loop configuration overview and design, installation and system configuration, CMS 400 software, and system features and components. Laboratory subjects include Premnet 5000 familiarization, Premnet software,

troubleshooting Premnet 5000, CMS 400 software familiarization, and troubleshooting with CMS 400 software.

Prerequisites: 40158
And one of the following: None

40160 ACEPS Standby Power and Distribution System

Training Manager: AMA-430 Course Length: 320 hour(s)

This course provides training for airway facilities technicians, engineers, specialists, and Technical Center personnel on the ACEPS Standby Power and Distribution System. This course is 160 hours Academy lecture and 160 hours Academy laboratory. Lecture subjects include configuration, 48 VDC Power System, GE switchgear, and Woodward and Basier electronic controls. Laboratory subjects include setup, operation, and troubleshooting of equipment.

Prerequisites: 45110
And one of the following: None

40161 ACEPS Critical Distribution System

Training Manager: AMA-430 Course Length: 200 hour(s)

This course provides training for airway facilities technicians, engineers, specialists, and Technical Center personnel on the ACEPS critical distribution system. This course is 100 hours Academy lecture and 100 hours Academy laboratory. Lecture subjects include Exide UPMS (450KW) an Exide BTCS. Laboratory subjects include setup, operation, and troubleshooting of equipment.

Prerequisites: 40160
And one of the following: None

40165 EPA Certification

Training Manager: AMA-430 Course Length: 8 hour(s)

This course provides training for meeting the requirements for the purchase and service of refrigerants for air conditioning applications. Students completing this course will be certified by EPA in accordance with EPA Order 40 CFR Part 82, Subpart F, Section 608. The course exam is a 2-hour closed book.

Prerequisites: None
And one of the following: None

40213 Runway Visual Range (RVR) Equipment, Type FA-7861

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides training for technicians on the RVR (SSR), Type FA-7861. The course is 44 hours Academy lecture and 36 hours Academy laboratory. Lecture subjects include transmissometer, signal data converter, runway light intensity relay chassis, and indicators. Laboratory subjects include transmissometer adjustment and calibration, signal data converter performance checks and troubleshooting, and runway light intensity relay chassis adjustment.

Prerequisites: None
And one of the following: None

40252 Runway Visual Range (RVR) Equipment, Tasker 500

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides training for technicians on the RVR (Tasker 500), Type FA-9471. The course is 48 hours Academy lecture and 32 hours Academy laboratory. Lecture subjects include transmissometer, ambient light sensor, runway light setting box, signal data converter, and remote display programmer. Laboratory subjects include transmissometer performance checks and calibration, runway light setting box alignment, signal data converter waveform analysis, remote display programmer adjustment, and troubleshooting.

Prerequisites: None
And one of the following: None

40257 Solid-State Direction Finder (DF), Type FA-9964

Training Manager: AMA-410 Course Length: 80 hour(s)

This course provides training for technicians on solid-state DF equipment. The course is 40 hours Academy lecture and 40 hours Academy laboratory. Lecture subjects include doppler DF theory and the complete solid-state DF system. Laboratory subjects include system alignment, preventive and corrective maintenance, and troubleshooting.

Prerequisites: 47504
And one of the following: None

40258 Distance Measuring Equipment (DME), Models FA-8974/FA-9639

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides training for technicians on the Second Generation Cardion DME, Type FA-9639. The course is 45 hours Academy lecture and 35 hours Academy laboratory. Lecture subjects include overall design, transponder, test generator, monitor, and remote monitoring systems. Laboratory subjects include preventive maintenance procedures, adjustments and alignments, and troubleshooting.

Prerequisites: 44020
And one of the following: 44215, 40276, 40284

40261 Doppler VHF Omnidirectional Range (DVOR) System

Training Manager: AMA-420 Course Length: 56 hour(s)

This course provides training for technicians on the second generation VOR modified to Doppler Cardion DME, Type FA-9996. The course is 24 hours Academy lecture and 32 hours Academy laboratory. Lecture subjects include breakdown of Doppler drawer, antennas, and transmitter and monitor screens. Laboratory subjects include screens, alignments, adjustments, preventive maintenance, and fault isolation.

Prerequisites: 47701
And one of the following: 40276, 40284

40272 VSCS Hardware Maintenance

Training Manager: AMA-410 Course Length: 448 hour(s)

This course provides training for technicians on the hardware for the Voice Switching and Control System (VSCS). The course is 250 hours Academy lecture and 198 hours Academy laboratory. Lecture subjects include system configuration, troubleshooting, software configuration and restoration, and analysis of software diagnostics. Laboratory subjects include fault mitigation, user interface operations, switching system architecture, telephony controller selection, SIS maintenance, VCET maintenance, system startup/shutdown, TACL, technical documentation, file management, and database management.

Prerequisites: 47012, 88440
And one of the following: None

40273 VSCS Site Software Support

Training Manager: AMA-410 Course Length: 584 hour(s)

This course provides training for technicians on the operational software program for the Voice Switching and Control System (VSCS). The course is 292 hours Academy lecture and 292 hours Academy laboratory. Lecture subjects include writing, debugging, and executing programs; updating and modifying adaptation parameters; and modifying, debugging, and executing maintenance and diagnostic programs. Laboratory subjects include TACL, system management, technical documentation, peripheral operations, file operation, TMF, ESD awareness, MPES operation, user interface operation, system troubleshooting, system startup/shutdown, call processing, and database management.

Prerequisites: 47012, 88440
And one of the following: None

40283 Theory of Instrument Landing Systems

Training Manager: AMA-420 Course Length: 144 hour(s)

This course provides training for technicians, engineers, and developmental technicians on instrument landing systems (ILS) theory. The course is 112 hours Academy lecture and 32 hours Academy laboratory. Lecture subjects include general ILS theory, transmission-line theory, glideslope theory, and localizer theory. Laboratory subjects include radiation-pattern analysis, equipment adjustments, and ILS test equipment. Students must possess skills required to work algebra and trigonometry problems.

Prerequisites: 44715
And one of the following: None

40284 Navigation Systems Concepts

Training Manager: AMA-420 Course Length: 168 hour(s)

This course provides training for technicians, engineers, FAA Technical Center personnel and developmental technicicans on concepts of navigation systems. The course is 128 hours of lecture and 40 hours of laboratory. Lecture includes transmission line and basic antenna theory, VOR signal generation, VOR radiation patterns, ground check analysis, TACAN introduction, azimuth measurement, distance measurement, and Antenna System. Lab includes introduction to VOR/TACAN, pulse train, azimuth test generator, monitor and control screen introduction, coder/decoder, space modulation, error analysis, VVM introduction, and VOR bridges. Students must be able to work algebra and trigonometry problems.

Prerequisites: None
And one of the following: None

40285 Low-Power TACAN Antenna Maintenance

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for technicians on the low power TACAN antenna, DC powered, Type FA-10369. The course is 18 hours Academy lecture and 22 hours Academy laboratory. Lecture subjects include azimuth review, assemblies and sub-assemblies, power distribution, trigger generator, bit and test points, cable routing, PM checks, speed control, and troubleshooting. Laboratory subjects include locating assemblies and controls, system alignment, course rotation, built in tests, LRU and antenna removal and replacement.

Prerequisites: 47701
And one of the following: None

40286 Third Generation VOR/DME Maintenance

Training Manager: AMA-420 Course Length: 120 hour(s)

This course provides training for technicians on the Wilcox Third Generation VOR/DME, Type FA-10391. The course is 60 hours Academy lecture and 60 hours Academy laboratory. Lecture and

laboratory subjects include theory of operation, diagnostic procedures, fault analysis, equipment adjustments, alignment and operating procedures, measurements, and analysis of system parameters.

Prerequisites: 44215
And one of the following: 40276, 40284

40289 VSCS System Overview

Training Manager: AMA-410 Course Length: 112 hour(s)

This course provides training for NAS managers on the Voice Switching and Control System (VSCS). The course is 67 hours Academy lecture and 45 hours Academy laboratory. Lecture subjects include VSCS theory of operations; block-level physical and functional descriptions of hardware, software, and system interfaces; and perform reconfiguration tasks, diagnostic checks, and maintenance procedures for the VSCS and peripheral devices. Laboratory subjects include electrostatic discharge (ESD) system, fault isolation, position reconfiguration, user interface operations, system startup/shutdown, and system-level troubleshooting.

Prerequisites: 47012, 88440
And one of the following: None

40290 LLWAS NE++

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training to AF personnel on the LLWAS NE++, Type FA10387. This course is 16 hours Academy lecture, 24 hours Academy laboratory, and a final examination. Lecture subjects include LLWAS concepts, NE++ theory of operation, and controls and indicators. Laboratory subjects include system familiarization, performance, maintenance, alignment, and troubleshooting.

Prerequisites: 47504, 88440, 88441
And one of the following: None

40291 LLWAS RS, Type FA-14100

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides training for AF personnel on the Low Level Windshear Alert System Relocation and Sustainment (LLWAS-RS), Type FA-14100. This course is 40 hours Academy lecture and 40 hours Academy laboratory. Lecture subjects include system concepts, major and subassembly identification, communication functions, system displays, functional characteristics, signal flow, MDT, and system software applications. Lab subjects include system operation check, verification, performance, analysis, and alignment.

Prerequisites: 47504, 88440, 88441
And one of the following: None

40292 Distance Measuring Equipment (DME) Model 415SE

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for airway facilities techinicians, engineers, and Technical Denter personnel on the Distance Measuring Equipment (DME) Model 415SE. This course is 20 hours Academy lecture and 20 hours Academy laboratory. Lecture subjects include system theory of operation and maintenance. Laboratory subjects include system alignment, maintenance checks, and fault isolation.

Prerequisites: 88440
And one of the following: 40276, 40284, 44215

40293 WAAS O&M Equipment Lab

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides hands-on equipment labs for airway facilities technicians and engineers that operate and maintain the WAAS. This course is 40 hours resident laboratory. Subjects include performing corrective maintenance, troubleshooting, and repair on the WAAS O&M Subsystem.

Prerequisites: 44223, 88440, 88441
And one of the following: None

40294 WAAS Operator Lab

Training Manager: AMA-420 Course Length: 152 hour(s)

This course provides hands-on equipment labs for WAAS operators. This course is 152 hours resident laboratory. Subjects include performing corrective maintenance, troubleshooting, and fault isolation procedures with emphasis on WAAS operations.

Prerequisites: 44224, 88440, 88441
And one of the following: None

40295 WAAS WRS Equipment Lab

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides hands-on equipment labs for technicians and engineers who maintain WAAS WRS equipment. This course is 40 hours resident laboratory. Subjects include performing corrective maintenance, troubleshooting, and repair of the WAAS WRS.

Prerequisites: 44225, 88440, 88441
And one of the following: None

40296 WAAS WRS/WMS Equipment Lab

Training Manager: AMA-420 Course Length: 72 hour(s)

This course provides hands on equipment labs for technicians and engineers who maintain WAAS WRS/WMS equipment. This course is 72 hours resident laboratory. Subjects include performing corrective maintenance, troubleshooting, and repair of the WAAS WRS and WMS.

Prerequisites: 44226
And one of the following: None

40310 Radar System Analysis for Digitized Radar (Optimization)

Training Manager: AMA-450 Course Length: 120 hour(s)

This course provides training for technicians and engineers who are regularly and actively involved with optimization efforts on radar beacon systems. The course is 60 hours lecture and 60 hours laboratory. Lecture subjects include optimization methodologies, use of software analysis tools for radar/beacon performance evaluation, flight, and commissioning inspections, and optimization procedures for ASR-9 and Mode-S. Laboratory subjects include use of PC's to run software analysis tools to record and analyze live radar and beacon data. Course 44325 serves as the first part of this course and therefore is an absolute, mandatory prerequisite.

Prerequisites: 44320, 44325
And one of the following: 40337, 40398

40313 Terminal Doppler Weather Radar (TDWR) System

Training Manager: AMA-440 Course Length: 136 hour(s)

This course provides training for technicians on the TDWR System equipment and software interfaces to the RMM. The course is 68 hours Academy lecture and 68 hours Academy laboratory. Lecture subjects include functional analysis of the TDWR System and Subsystems. Laboratory subjects include system performance analysis, fault analysis, and alignment.

Prerequisites: None
And one of the following: 40392, 42058, 88360

40328 Solid-State Video Mapper

Training Manager: AMA-450 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the Video Mapper, Type FA-8970. The course is 22 hours Academy lecture and 18 hours Academy laboratory. Lecture subjects include familiarization, trigger, sweep, video-generator circuits, and ACP converter circuit. Laboratory subjects include system alignment, system performance, and fault diagnosis.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

40333 Airport Surveillance Radar (ASR)-8

Training Manager: AMA-450 Course Length: 280 hour(s)

This course provides training for technicians and engineers on the Airport Surveillance Radar (ASR)-8, Type FA-9335. The course is 140 hours Academy lecture and 140 hours Academy laboratory. Lecture subjects include controls, timing, transmitter, normal video, MTI, STC, and RAG. Laboratory subjects include align radar system, fault isolate, and use corrective procedures to restore operation.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

40335 Air Traffic Control Beacon Interrogator (ATCBI)-4

Training Manager: AMA-440 Course Length: 80 hour(s)

This course provides training for technicians on the Air Traffic Control Beacon Interrogator (ATCBI)-4. The course is 40 hours Academy lecture and 40 hours Academy laboratory. Lecture subjects include system concepts, pulse-mode generator, stagger, SLS/ISLS, transmitter, receiver monitors, control circuits, and beacon test set. Laboratory subjects include system alignment, system performance analysis, fault diagnosis, and use of test equipment.

Prerequisites: None
And one of the following: 40392, 42058, 88360

40337 Airport Surveillance Radar (ASR)-9

Training Manager: AMA-450 Course Length: 360 hour(s)

This course provides training for technicians and engineers on the Airport Surveillance Radar (ASR)-9, Type FA-10064. The course is 160 hours Academy lecture and 200 hours Academy laboratory. Lecture and laboratory subjects include introduction, RMS/system control, synchronizer, transmitter, receiver, post processor, SCIP, and modems/antenna.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

40340 Radio Communication Link (RCL) Terminal Equipment

Training Manager: AMA-440 Course Length: 80 hour(s)

This course provides training for technicians and engineers on the RCL system equipment located at high-density terminal area control facilities (ACF's) only. The course is 44 hours Academy lecture and 36 hours Academy laboratory. Lectures include introduction, Granger DTL 7300 Multiplexing System, Coastcom channel bank, Fairchild M505M microwave MODEM, and RCL Automated Network Management System. Laboratory includes RCL terminal equipment introduction, Granger DTL 7300 multiplexing system, Coastcom channel bank, Fairfield M505M microwave MODEM, ANMS basic

commands, software installation, database construction, and skills.

Prerequisites: 40600
And one of the following: None

40373 DBRITE

Training Manager: AMA-460 Course Length: 64 hour(s)

This course provides training for technicians on the Digital Bright Radar Indicator Tower Equipment (DBRITE), Type FA-10220. The course is 32 hours Academy lecture and 32 hours Academy laboratory. Lecture subjects include functional theory of DSC equipment, PS&J, RCU, the display, and fault identification and isolation using system diagnostic procedures. Laboratory subjects include DSC equipment, PS&J, RCU, the display, fault identification and isolation, and system alignments.

Prerequisites: 88440
And one of the following: 44300, 40392, 42058

40383 ARSR-1/2 En Route Radar System With SSR/DMTI Mod

Training Manager: AMA-440 Course Length: 120 hour(s)

This course provides training for technicians and system performance specialists on the en route radar ARSR-1/2. The course is 60 hours Academy lecture and 60 hours Academy laboratory. Lecture subjects include system concepts, system timing, transmitter operation, and SSR/DMTI monitor and control. Laboratory subjects include orientation, configuration, alignment, and troubleshooting.

Prerequisites: None
And one of the following: 40392, 42058, 88360

40388 ARSR-3 and RMM

Training Manager: AMA-440 Course Length: 520 hour(s)

This course provides training for technicians and engineers on the Air Route Surveillance Radar, Model 3 (ARSR-3). The course is 50% Academy lecture and 50% Academy laboratory. Lecture subjects include system overview, subsystem theory, test equipment, BITE, and lab preparation. Laboratory subjects include orientation, configuration, alignment, fault isolation including PATS testing, and Prolab practice.

Prerequisites: 42058
And one of the following: 40339, 47706

40391 Airport Surveillance Radar (ASR)-9 SCIP

Training Manager: AMA-450 Course Length: 56 hour(s)

This course provides training for technicians and engineers on the indicator-site equipment of the ASR-9 System, consisting of the remote surveillance communications interface processor (SCIP), modems, and Remote Monitoring Subsystem (RMS) terminal. The course is 26 hours Academy lecture and 30 hours Academy laboratory. Lecture subjects include operational procedures for the radar system and its computer control and evaluation system, the RMS laboratory subjects include fault isolation, testing, and alignment procedures. This course is for locations where maintenance is required only for the indicator site equipment.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

40395 Airport Surveillance Radar (ASR)-7E

Training Manager: AMA-450 Course Length: 200 hour(s)

This course provides training for technicians and engineers on radar, Type FA-8200E. The course is 126 hours Academy lecture and 74 hours Academy laboratory. Lecture subjects include controls, timing, transmitter, normal video, MTI, STC, and RAG. Laboratory subjects include performance evaluation, fault diagnosis, test procedures, and routine checks and adjustments.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

40398 Mode-S Sensor Maintenance

Training Manager: AMA-450 Course Length: 200 hour(s)

This course provides training for technicians and engineers on the Mode-S System, Type FA-10201. The course consists of 80 hours Academy lecture with CBI simulations and 120 hours of Academy lab. Lecture subjects include monopulse detection theory, equipment operation and block diagram, radar and communication interfaces, and application of the built-in test facilities. CBI subjects include software applications, data processing and auxiliary equipment theory and operation, and use of automated documentation. A graded practical exam verifies students have obtained minimum operational skills. The practical exam grade is weighted equal to a written exam.

Prerequisites: 88440, 44320
And one of the following: 42058, 40392, 88346, 88360

40399 FPS Series Radar

Training Manager: AMA-440 Course Length: 120 hour(s)

This course provides training for technicians and system performance specialists on the en route radar system AN/FPS series radar without SSR/DMTI. The course is 58 hours Academy lecture and 62 hours Academy laboratory. Lecture subjects include power distribution and control, transmitter RF and power amplifiers, and SSR/DMTI receiver. Laboratory subjects include orientation, alignment, and operation.

Prerequisites: None
And one of the following: 40392, 42058, 88360

40408 Air Route Surveillance Radar 4 (ARSR-4) Hardware

Training Manager: AMA-440 Course Length: 240 hour(s)

This course provides training for technicians, engineers, and FAA Technical Center personnel on the ARSR-4 long-range radar system. The course is 96 hours Academy lecture and 144 hours Academy laboratory. Lecture subjects include system overview , subsystem theory, and lab preparations. Laboratory subjects include orientation, configuration, fault isolation, and alignment procedures.

Prerequisites: None
And one of the following: 40392, 42058, 88360

40409 Advanced MPS Network Management

Training Manager: AMA-480 Course Length: 80 hour(s)

This course provides training for personnel w ho w ill be managing the MPS Tandem System. The course is 28 hours Academy lecture and 52 hours Academy laboratory. Subjects include Tandem LAN overview , TIM softw are overview , outside view , subsystem communications facility (SCF) operation, ethernet protocols and TCP/IP, remote/server calls/Piccolo configuration, expand and x.25 netw orks, Tandem configuration file analysis, and monitoring and troubleshooting the MPS LAN System. Equivalent Tandem training can substitute for courses 43048 and 43049. Equivalent Tandem training includes 43045, 43046, 43047, 43016,43017, 43018,43525, and 43522.

Prerequisites: 40412, 43048, 43049
And one of the following: None

40410 'C' Language Programming

Training Manager: AMA-480 Course Length: 160 hour(s)

This course provides training for AOS programmers in 'C' language programs. The course is 80 hours Academy lecture and 80 hours Academy laboratory. Lecture subjects include overview of 'C' language; input/output in 'C'; variables; program structure; sequential, conditional, and interactive statements; and bitw ise operators' pointers. Laboratory subjects include w riting programs that pertain to each of the above areas. This course is designed for personnel w ho have previous high-level programming experience and develop or maintain programs w ritten in 'C' language.

Prerequisites: None
And one of the following: None

40412 Fundamentals of MCC/MPS Network Managment

Training Manager: AMA-480 Course Length: 120 hour(s)

This course provides training for personnel w ho w ill be maintaining the softw are and hardw are platform used to provide connectivity from the SOC/OCC to the MPS. The course is 42 hours Academy lecture and 78 hours Academy laboratory. Lecture subjects include LAN theory, Window s NT w orkstation server configuration, component troubleshooting, and configuration of the softw are tools i.e.; outside view (MMS), MASS, the event manager program, and the callback program from the point of view of netw orking. Lab subjects include Window s NT w orkstation and Window s NT server configuration, troubleshooting of each component, hands on outside view (MMS), MASS, the event manager and callback programs.

Prerequisites: 88440
And one of the following: None

40417 Automated Surface Observing System (ASOS) Maintenance

Training Manager: AMA-480 Course Length: 80 hour(s)

This course provides training for technicians on the ASOS equipment. The course is 32 hours Academy lecture and 48 hours Academy laboratory. Lecture subjects include system operations, diagnosis, repair, and restoration to the low est replaceable unit (LRU). Laboratory subjects include operation, preventive maintenance, remote maintenance monitoring, and troubleshooting.

Prerequisites: 47504, 88440
And one of the following: None

40418 Fundamentals of Internetworking

Training Manager: AMA-480 Course Length: 160 hour(s)

This course provides training for techs, engrs, SPS, and ATSS's on netw orking using PC's in a local area netw ork (LAN). The course is 80 hours lecture and 80 hours lab. Lectures include netw ork terminology; LAN/WAN topology, components and architecture; netw ork protocols and standards; IP address classes and subnets; and Window s NT server, w orkstation, configuration and management. Lab includes capture/analyze ethernet management traffic; isolate, decode/analyze, TCP/IP, UDP, RUP, ARP headers; troubleshoot connectivity problems; examine/configure a basic router; troubleshoot netw ork connectivity w /protocol analyzer and the domain reflectometer. Proficiency w ith Window s is required.

Prerequisites: None
And one of the following: None

40420 HOST Concepts

Training Manager: AMA-470 Course Length: 128 hour(s)

This course provides hardw are and softw are overview training for computer operators, technicians, and NAS/NOM personnel involved w ith the HOST Oceanic Computer System Replacement (HOCSR) and NAS operational program. The course is 77 hours Academy lecture and 51 hours Academy laboratory. Subjects include introduction to the IBM 9672 RA-4 Generation 3 (G3) processor, use and operation of controls and indicators of peripheral devices, system operation (initial program load, startup, startover, sw itchover and reconfiguration), virtual machine and conversational monitoring system concepts, messages, and operation.

Prerequisites: 88440
And one of the following: None

40421 MVS/VM/DSR Operations for Computer Operators

Training Manager: AMA-470 Course Length: 80 hour(s)

This course provides training for computer operators on Virtual Machine (VM), Multiple Virtual Storage (MVS) commands and messages, utility programs and interactive system productivity facility/program development (ISPF/PDF) panels. The course is 48 hours Academy lecture and 32 hours Academy laboratory. Subjects include problem determination, isolation of softw are problems, recognizing program and system errors, reconfiguration of system programs, DSR System overview , tape management, tape drives, printers, terminals, and flight strip printer control unit.

Prerequisites: 40420
And one of the following: None

40422 Tower Data Link Services (TDLS)

Training Manager: AMA-480 Course Length: 64 hour(s)

This course provides training for technicians and engineers on the TDLS equipment. The course is 32 hours Academy lecture and 32 hours Academy laboratory. Lecture subjects include overview , load the operating system, identify various commands and protocols, maintain softw are/hardw are, and troubleshooting, including disaster recovery. Lab subjects include load the system, use common commands, perform SCO administration, use TCP/IP, configure, maintain softw are/hardw are, and troubleshoot including disaster recovery. This course is intended for students w ho w ill maintain the new TDLS system, not the legacy system. This course does not replace 47401.

Prerequisites: 40423
And one of the following: None

40423 UNIX

Training Manager: AMA-480 Course Length: 112 hour(s)

This course provides training for technicians, engineers, SPS's, NAS managers, and computer operators on the UNIX Operating System used on various PC's. The course is 56 hours Academy lecture and 56 hours Academy laboratory. Lecture subjects include UNIX concepts, processing utilities, pow er user utilities, Shell programming, user admin utilities, and dialects. Laboratory subjects include using basic UNIX commands, using netw ork utilities, exploring advanced command functionality, using complex regular expressions, and identifying important syntax for dialects.

Prerequisites: None
And one of the following: None

40424 HID/NAS/LAN Configuration and Maintenance

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the HID/NAS/LAN equipment. The course is 20 hours Academy lecture and 20 hours Academy laboratory. Lecture subjects include components, configuration, flow , operations, and maintenance philosophy. Laboratory subjects include maintenance procedures and troubleshooting procedures.

Prerequisites: 40423, 88440, 88441
And one of the following: None

40426 HOST Peripheral Devices and Diagnostics

Training Manager: AMA-470 Course Length: 104 hour(s)

This course provides training for technicians, engineers, NAS managers, SPS's, and FAA Technical Center personnel on the Host and Oceanic Computer Replacement (HOCSR) equipment, Model IBM Host 9672-RA4 G3 processors and all attached peripheral devices. The course is 64 hours Academy lecture and 40 hours Academy laboratory. Subjects include peripheral device operations and diagnostics and processor system diagnostics.

Prerequisites: 40420
And one of the following: None

40428 Stand-Alone Weather Sensors (SAWS) Maintenance

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides training for technicians on the SAWS equipment. The course is 8 hours Academy lecture and 16 hours Academy laboratory. Lecture subjects include system operations, diagnosis, and connecting the laptop to the system. Laboratory subjects include operation, preventive maintenance, and troubleshooting.

Prerequisites: 47504, 88440
And one of the following: None

40429 Automated Weather Sensor System (AWSS) Maintenance

Training Manager: AMA-480 Course Length: 80 hour(s)

This course provides training for tehcnicians on the Automated Weather Sensor System (AWSS) equipment. The course is 32 hours Academy lecture and 48 hours Academy laboratory. Lecture subjects include system operations, diagnosis, and remote maintenance monitor (RMM). Laboratory subjects include operation, preventive maintenance, and troubleshooting.

Prerequisites: 47504, 88440, 88441
And one of the following: None

40430 NADIN Network Control Center (NCC) Operations and Mtnce

Training Manager: AMA-480 Course Length: 120 hour(s)

This course provides training for air traffic systems specialists (network control center (NCC) engineers, operations specialists, and technicians) located at NADIN NCC's responsible for operation and maintenance of the NADIN Packet Switch Network (PSN) and NCC. The course is 48 hours Academy lecture and 72 hours Academy laboratory. Lecture subjects include Wide Area Network (WAN) operations and controls, parameters, indications, configurations, and troubleshooting procedures. Laboratory subjects include hands-on operations and monitoring of the network, local and remote analyzing, diagnosing and troubleshooting, and preventive and corrective maintenance.

Prerequisites: 43542
And one of the following: None

40431 Automated Weather Observing System (AWOS) Maintenance 133

Training Manager: AMA-480 Course Length: 56 hour(s)

This course provides training for AF technicians on the Automated Weather Observing System (AWOS) equipment. The course is 17 hours Academy lecture and 39 hours Academy laboratory. Lecture subjects include system operations, diagnosis, repair, and remote maintenance monitor (RMM). Laboratory subjects include operation, preventive maintenance, RMM, and troubleshooting. The AWOS Model 300 was modified (ECP 133) to look like an AWOS 900. Modification number PEM/EEM 133.

Prerequisites: 47504, 88440
And one of the following: None

40432 CTAS for System Administrators

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides training for airway facilities technicians and engineers who are system administrators for the Center Tracon Automation System (CTAS). This course is 20 hours Academy lecture and 20 hours Academy laboratory. Lecture subjects include Solaris administration, CTAS TMA software administration and maintenance, Jumpstart server, CTAS TMA security. Lab subjects include system administration, maintenance, and security.

Prerequisites: None
And one of the following: 40423, 88433

40437 DSR Software Administration and Maintenance

Training Manager: AMA-470 Course Length: 136 hour(s)

This course provides training for AF system performance specialists on DSR software administration and maintenance. This course is 68 hours Academy lecture and 68 hours Academy laboratory. Lecture subjects include system overview , air traffic and software design, maintenance and control (M&C) console operation, system configuration/reconfiguration, AIX commands and system administration, DSR adaptation, software release installation management, problem recovery/resolution, DSR SAR data reduction/analysis, and system hardware/software problem determination. Lab subjects include installation, operation, and configuration of the above subjects.

Prerequisites: 40423
And one of the following: 40440, 43556, 43557

40439 ACE-IDS Hardware Maintenance

Training Manager: AMA-480 Course Length: 64 hour(s)

This course provides training for technicians on the ASOS Controller Equipment Information Display System (ACE-IDS). Topics covered in the lecture and lab include system introduction, data flow and software, system operations, troubleshooting, preventive maintenance, and field removal and replacement procedures.

Prerequisites: 88440, 88441
And one of the following: None

40440 DSR Overview

Training Manager: AMA-470 Course Length: 80 hour(s)

This course provides introductory training on the Display System Replacement (DSR). This course is 48 hours Academy lecture and 32 hours Academy laboratory. Lecture and lab subjects include overview of DSR hardware, software, and air traffic operations, operation of the maintenance and control console for system monitoring, and problem recovery and resolution. This course is intended as an introduction to the DSR system and is a prerequisite to course 40441.

Prerequisites: 40423, 88440, 88441
And one of the following: None

40441 DSR Hardware Maintenance

Training Manager: AMA-470 Course Length: 280 hour(s)

This course provides training for Air Route Traffic Control Center (ARTCC) hardware maintenance personnel who will perform corrective and periodic maintenance on the DSR System. This course is 130 hours Academy lecture and 150 hours Academy lab. Lecture subjects include main display monitor alignment and problem isolation and repair of all DSR hardware to the LRU. Laboratory subjects include console operation, main display monitor alignment, and problem isolation and repair of the hardware to the LRU.

Prerequisites: 40423, 40440, 88441
And one of the following: None

40442 ACE-IDS Remote Workstation

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides training for AF system specialists on the ASOS Controller Equipment Information Display System (ACE-IDS) remote workstations. This course is 10 hours Academy lecture and 14 hours Academy laboratory. Subjects covered in the lecture and lab include system introduction, data flow and software, system operations, troubleshooting, preventive maintenance, and field removal and replacement procedures.

Prerequisites: None
And one of the following: None

40443 Standardized AFCC Operations

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides training for airway transportation system specialists on the Enhanced Maintenance Control Center (MCC) Platform. The course is 8 hours Academy lecture and 16 hours Academy laboratory. Lecture subjects include overview of the enhanced MCC platform environment, using the event manager, using SOP's with the enhanced MCC platform, and applications using the enhanced MCC platform. Laboratory subjects include components of the enhanced MCC platform, using the event manager, call-back and site information, SOP's, web-based applications, remote maintenance monitor system applications, and other applications.

Prerequisites: None
And one of the following: None

40444 EFSTS Hardware Maintenance Training

Training Manager: AMA-480 Course Length: 32 hour(s)

This course is for technicians and engineers on the EFSTS. The course is 16 hours Academy lecture and 16 hours Academy lab. Lecture subjects include theory and configuration of the EFSTS, preventive/corrective maintenance, and fault isolation procedures. Laboratory hands-on subjects exercises include performance checks, troubleshooting and corrective, and preventative maintenance tasks. There will be a final exam at the end of the cours that covers the entire course.

Prerequisites: None
And one of the following: None

40445 URET System Maintenance

Training Manager: AMA-470 Course Length: 96 hour(s)

This course is intended for all ATSS responsible for maintaining the URET System. Subjects covered in this course are control room floor hardware periodic and corrective maintenance and rack mounted hardware periodic and corrective maintenance, and site support.

Prerequisites: 40441, 49304, 47437
And one of the following: None

40446 URET System Builds and Release

Training Manager: AMA-470 Course Length: 120 hour(s)

This course is intended for all ATSS software specialists who service the URET System. The course covers knowledge required for first level software support, local system release architectural and support concepts, building a local system release, problem determination procedures, simulation support, and simulation testing.

Prerequisites: 40437, 47437
And one of the following: None

40447 ECG Overview for NAS/NOM

Training Manager: AMA-470 Course Length: 24 hour(s)

This course provides system-oriented training that addresses the operational aspects of the ECG hardware and software configurations. This course is 24 hours Academy laboratory. Subjects include an ECG overview, PAMRI/ECG differences, ECG equipment and software, Host Computer System (HCS)/ECG System interfaces, and an ECG transition module. The transition module includes tasks that address the switch forward and fallback between PAMRI and ECG.

Prerequisites: 47438
And one of the following: None

40448 ECG Hardware Maintenance

Training Manager: AMA-470 Course Length: 88 hour(s)

This course provides training for system specialists on the new ECG. The the course is 40 hours Academy lecture and 40 hours Academy laboratory. Lecture subjects include the operation and monitoring of the ECG System, maintenance of the ECG System to the low est replaceable unit (LRU) level and the adminstration of the ECG System. Laboratory subjects include logging in/out of the ECG System, isolating and reintroducing devices, system diagnostics and troubleshooting, controlling device pow er, monitoring the ECG System, and administering the ECG file and drive systems.

Prerequisites: 40423, 40426, 47438, 88440
And one of the following: 40418, 88441

40449 ECG Software Maintenance

Training Manager: AMA-470 Course Length: 112 hour(s)

This course provides training for the system specialists on the new ECG. Lecture subjects include the operation and monitoring of the ECG System, maintenance of the ECG System to the low est replacement unit (LRU) level, maintenance of the ECG softw are and adaptation, and the adminstration of the ECG System and system security. Laboratory subjects include logging in/out of the ECG System, isolating and reintroducing devices, system diagnostics and troubleshooting, controlling device pow er, monitoring the ECG System, managing release cutover and adminstering the ECG System including the file and drive systems, and system security.

Prerequisites: 40423, 47438, 88440, 88441
And one of the following: 40437, 43021, 43520

40450 ACE IDS Hardware Maintenance

Training Manager: AMA-480 Course Length: 48 hour(s)

This course provides training for AF system specialists on the ASOS Controller Equipment Information Display System (ACE-IDS). The course is 24 hours Academy lecture and 24 hours Academy laboratory. Subjects covered in the lecture and lab include system introduction, data flow and softw are, system operations, troubleshooting, preventive maintenance, and field removal and replacement procedures.

Prerequisites: 88440, 88441
And one of the following: None

40451 Fundamentals of TCP/IP/Routers/Switches

Training Manager: AMA-480 Course Length: 80 hour(s)

This course provides training for techs, engrs, SPS, & ATSS's on configuration and management of LAN/WAN devices. The course is 40 hours lecture and 40 hours lab. Lecture includes netw orking terminology, LAN/WAN fundamentals, LAN/WAN topology, components and architecture, netw ork protocols and standards, fundamentals of TCP/IP, IP address classes and subnets, configuration and management of basic routers, and configuration and management of sw itches. Lab includes configuration and management of routers and sw itches, troubleshooting netw ork/router connectivity w ith a protocol analyzer, and troubleshooting the sw itch configuration in a local area netw ork. Proficiency w ith Window s is required.

Prerequisites: None
And one of the following: None

40452 ECG/DARC for NOM/NAS Specialist

Training Manager: AMA-470 Course Length: 24 hour(s)

This course is for NAS managers on the ECG/DARC equipment/eBUS softw are. The course is 4 hours Academy lecture and 20 hours Academy laboratory. Lecture includes a review of ECG/DARC overview course, radar data processing functions, and problem determination. Laboratory covers practical application of tasks associated w ith each of the aforementioned ECG/DARC overview course and system security, and problem determination. Final exam covers entire course.

Prerequisites: 40447
And one of the following: None

40453 ECG/DARC for Software Specialist

Training Manager: AMA-470 Course Length: 120 hour(s)

Course for SPSS on ECG equip/eBUS sftw re. The crs is 60 hrs Acad lctre & 60 hrs Acad lab. Lctre inclds radar data processing fnctions; hdw re chgs to to ECG & DSR to implmnt DARC replcment; conn of WARP to backup channel; w msu intrfce to ECG; procdrs to ctrl & opr DARC replcment FM mw s, sw s, & DARC M&C; SMC dsply format & functionality to include RTQC, eqars, status, error msg analysis, & mw s grphcal user screen chgs; stw re sys releases & build procdrs incling DSR & ECG install/cutover/dstrbton. CDR inclds file strctre & fnctions, recording & trnsfring CDR files, user of CDR edtr tools to review & anlyze recorded data. DSR off & on line problm detrmnton incling sar gate chgs, dr&a reports added, deleted, & mofified &

Prerequisites: 40449
And one of the following: None

40454 ECG/DARC Overview for ATSS Hardware Maintenance

Training Manager: AMA-470 Course Length: 40 hour(s)

This course is for techs & SPSS on ECG/DARC equip/ebus softw are. The course is 20 hrs acad lecture & 20 hrs acad lab. Lecture cvrs radar data processing functions, hardw are chgs to ECG & DSR to implement DARC replacement, new connection of WARP to bkup channel, w msu interface to ECG, procedures to control & operate DARC replacement FM the mw s, sw s & DARC M&C, SMC display format & functionality to incl RTQC & eqars msgs, & mw s graphical

user screen chgs, operation of raid-1 & zip250 storage devices. Lab cvrs practical application of all the above lecture topics, sys security, & problem determination within the backup channel. Final exam covers entire course.

Prerequisites: 40448
And one of the following: None

40455 Solaris for NAS

Training Manager: AMA-480 Course Length: 112 hour(s)

This course provides training for technicians, engineers, SPSS, NAS managers, and computer operators on the Solaris operating system used on various NAS systems. The course is 56 hours Academy lecture and 56 hours Academy laboratory. Lecture and laboratory subjects include managing file systems, managing system processes, user and security administration, configuring network interfaces, maintainng virtual file systems, core and crash dumps, file access control, naming services, configuring system logging, performing backups and restores, and performing system and package installations. Final exam covers entire course.

Prerequisites: 40423
And one of the following: None

40456 A+ Operating System Technologies

Training Manager: AMA-480 Course Length: 80 hour(s)

This course provides training for those who need to install and configure computer hardware devices on Windows 9X/ME, Windows NT 4.0, Windows 2000, or Windows XP operating systems. The course is 40 hours Academy lecture and 40 hours Academy lab. Lecture and lab subjects include OS fundamentals, installing and upgrading Windows, maintaining and optimizing and troubleshooting Windows 9X, ME, and XP operating systems, networking technologies including install and configure wire/wireless networks, troubleshooting networks, and understanding Internet concepts. Final exam at end of course covers entire course.

Prerequisites: None
And one of the following: None

40457 A+ Hardware Maintenance

Training Manager: AMA-480 Course Length: 80 hour(s)

This course provides training for AF techs who need to maintain personal computers and/or prepare to take Comp/TIA A+ core hardware exam. The course is 40 hours Academy lecture and 40 hours Academy lab. Lecture subjects include personal computer installation, configuring and updates, diagnosis and troubleshooting, preventative maintenance, motherboard, CPUs memory, printers, and basic networking. Lab subjects include cabling, power supplies, expansion slots, ports, BIOs, CMOs, BUSSES, architecture, hardware installation, configuration, upgrading, diagnosis, troubleshooting, preventative maintenance, motherboards, CPUs, memory, printers, and basic networking. Final exam covers entire course.

Prerequisites: None
And one of the following: None

40600 Common Equipment for Radio Communications Link (CE-RCL) Sys

Training Manager: AMA-440 Course Length: 120 hour(s)

This course provides training for technicians and engineers on the radio communication link (RCL) equipment common to the terminal and repeater equipment. The course is 59 hours Academy lecture and 61 hours Academy lab. Lecture subjects include system overview , RCL power plant, DTL-7300 Multiplexing System, FR8 Radio System, orderwire/ANS service channel equipment and ANMS satellite unit. Laboratory subjects include troubleshooting and maintenance of RCL terminal and repeater common equipment, AT&T RCL power plant, Granger DTL-7300 multiplexing systems, AT&T FR8 radio system, and AT&T ANMS satellite telemetry unit.

Prerequisites: 44321
And one of the following: None

40601 Low-Density RCL (LDRCL) UHF Analog System

Training Manager: AMA-440 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the microwave communications link equipment LDRCL UHF analog system. The course is 26 hours Academy lecture and 14 hours Academy laboratory. Lecture and laboratory subjects include introduction, Microtel analog system multiplexing equipment, microwave data systems (MDS) 960a series 900 Mhz analog point-to-point radios, power conversion products DC power system, and Westronics WS2000 general telemetry processor. Laboratory subjects include location, annual maintenance, alignment, and operation.

Prerequisites: 44321
And one of the following: None

40603 Low-Density RCL (LDRCL) 1.8 GHz Digital System

Training Manager: AMA-440 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the microwave communications link equipment LDRCL 1.8 GHz and 8 GHz digital system. The course is 65% Academy lecture and 35% Academy laboratory. Lecture subjects include introduction, Wescom 360-22 D4 digital carrier terminal, Alcatel MDR-5000 series microwave digital radio, power conversion products DC power system, and Westronics WS2000 general telemetry processor. Laboratory subjects include location, annual maintenance, alignment, and operation.

Prerequisites: 44321
And one of the following: None

40605 DBRITE Display (Remote Tower Equipment)

Training Manager: AMA-460 Course Length: 32 hour(s)

This course provides training for technicians, engineers, and FAA Technical Center personnel on the DBRITE tow er equipment, Type FA-10225. The course is 50% lecture and 50% laboratory. Lecture subjects include overall system, PS&J, RCU, display video and sync, deflection and focus, and pow er supplier and bit card. Laboratory subjects include equipment introduction, module replacement, PS&J and aural alarm, vertical and horizontal deflection, video sync, pow er supplies, and bit and troubleshooting. This course does not contain DSC material (personnel requiring DSC training should take course 40373).

Prerequisites: None
And one of the following: None

40606 Radiation Hazard Measurement Procedures

Training Manager: AMA-450 Course Length: 24 hour(s)

This course provides training for technicians and engineers on radiation hazard measurement procedures for air traffic control radar and communications equipment. The course covers performing ionizing and non-ionizing measurements on pulsed systems; calculation of pow er density levels from the results of measurements; and w riting a report documenting the measurement results for the ATC Spectrum Engineering Services. The attendees w ill selected by the director of ATC Spectrum Engineering Services.

Prerequisites: 44516
And one of the following: None

40609 ASDE 3A Hardware/AMASS/TAIU

Training Manager: AMA-440 Course Length: 128 hour(s)

This course provides training for technicians, engineers, FAATC personnel, and developmental technicians on the Airports Surface Detection Equipment (ASDE)-3 Radar System w ith Airport Movement Area Safety System (AMASS) and Terminal ARTS Interface Unit (taiu). The course is 54 hours Academy lecture and 74 hours Academy laboratory. Lecture subjects include system operation, transmitter, receiver, antenna, display equipment, and system troubleshooting and analysis. Laboratory subjects include location, operation, maintenance, and troubleshooting, including analysis of visual indicators and use of the remote monitoring subsystem and external personal computer.

Prerequisites: None
And one of the following: 40392, 42058, 88360

40611 Weather System Processor (WSP)

Training Manager: AMA-450 Course Length: 80 hour(s)

This course provides training for technicians and engineers w ho are responsible for the Weather System Processor (WSP) at selected ASR-9 sites. This course is 40 hours Academy lecture and 40 hours Academy lab. Lecture and lab subjects include operation, preventive maintenance, corrective maintenance, hardw are alignment, system alignment, and calibration.

Prerequisites: 40337, 40423, 88440, 88441
And one of the following: None

40612 Terminal Automation Interface Unit (TAIU) Stand Alone

Training Manager: AMA-440 Course Length: 16 hour(s)

This course provides training for technicians on the TAIU. The course is 4 hours Academy lecture and 12 hours Academy laboratory (approximately 2 hours per student). Lecture subjects include theory of operation and interface betw een ARTS III, SCIP, and the ASDE-3. Laboratory subjects include operational and functional checks, periodic preventive maintenance, monitoring, troubleshooting, fault isolation to the LRU, and returning the TAIU to normal operations.

Prerequisites: None
And one of the following: None

40615 Sony/UNIX Introduction

Training Manager: AMA-490 Course Length: 40 hour(s)

This course provides training for DOD personnel on the Sony Digital Display Monitor, DDM2800. The course is 12 hours Academy lecture, 12 hours Academy laboratory, and 16 hours computer-based exercises (CBE). Lecture subjects include introduction, system operation, UNIX, and display alignment. Laboratory subjects include alignment, using the digital remote controller; diagnostics, and repair. CBE subjects include training on Sun Solaris.

Prerequisites: None
And one of the following: None

40616 STARS Systems Specialists

Training Manager: AMA-490 Course Length: 200 hour(s)

This course provides the STARS system specialist w ith a thorough understanding of the concepts necessary to perform STARS system and security administration. This includes: Solaris, VI editor, and netw orking for SS; file systems; disk structure/partitions; startup and shutdow n; backup and restore procedures; crash management; account management; security administration and policy; Solaris security, BSM and auditing; NIS+, SecureShell; STARS-specific security; and STARS System softw are installation. The SOS security administrator w ill be able to perform all of the STARS security

processes and procedures necessary for continued operation of the STARS operational site within the NAS.

Prerequisites: 42071
And one of the following: None

40617 ARTS Color Display Complete (ACD, RGW, and Sony DDM)

Training Manager: AMA-460 Course Length: 80 hour(s)

This course provides training for technicians on the ARTS color display monitor (ACD, RGW, and Sony DDM). The course is 40 hours Academy lecture/40 hours Academy lab. Lecture subjects include VME, PCI, and SCSI buses; Motorola 2700 single board computer; interface modules, converters, and adapters; controllers; digital I/O card; peripheral devices; Sony DDM components; and system troubleshooting. Lab subjects include installation/operation of application software; setup of configuration and environment values; installation of firmware; Sony DDM alignment; RGW monitor graphical user interface operation; RM-10 Sony remote controller operation, CA-100 color analyzer, convergence gauge and AS-10 software package; and system

Prerequisites: 42052
And one of the following: None

40618 PowerPC Delta

Training Manager: AMA-460 Course Length: 40 hour(s)

This course provides delta training for AF personnel on the PowerPC CP for ARTS IIIE. The course is 16 hours Academy lecture and 24 hours Academy lab. Lecture includes theory and operation of the PowerPC CP, TP, and SMC subsystems, the VME chassis, Motorola MVME2700 single board computer, digital input/output card, serial interface card, four port ethernet card, SCSI devices, transition modules, network switches, system software, and system graphical user interfaces on SMC PC. Lab subjects include software downloads to the CP, TP, and SMC, extended diagnostics on all chassis, initializing the MVME2700 single-board computer, preventative maintenance, system performance montioring, and troubleshooting.

Prerequisites: 42052
And one of the following: None

40621 Integrated Terminal Weather System (Itws) Production Model

Training Manager: AMA-440 Course Length: 64 hour(s)

This course provides training for technicians and engineers on the Integrated Terminal Weather System (ITWS) hardware system and its interfaces. This course is 32 hours Academy lecture and 32 hours Academy laboratory. Subjects include equipment theory, site-level maintenance procedures, automated test tools, system-level control and monitoring, board-level fault isolation and replacement, and troubleshooting input/output devices.

Prerequisites: 88440, 88441
And one of the following: 12762, 40423

40625 STARS Remote Tower Maintenance

Training Manager: AMA-490 Course Length: 40 hour(s)

This course provides training for qualified airways transportation systems specialists on the STARS Automation System used in remote towers. This course is tentatively scheduled for 18 hours Academy lecture and 22 hours Academy lab. Lecture subjects include system intoduction, theory and operations. Lab excercises include hands-on learning with the focus on the maintenance and repair of the STARS remote tower equipment.

Prerequisites: 88440, 88441
And one of the following: 12751, 40423

40626 Micro-EARTS Hardware Maintenance

Training Manager: AMA-460 Course Length: 120 hour(s)

This course provides training for technicians, engineers, SPS's, FAATC personnel, and AOS on terminal/en route automation equipment. The course is 66 hours Academy lecture and 94 hours Academy laboratory. Lecture includes system theory; functional analysis of radar data acquisition, remote display driver, communications data acquisition, data entry and display, and central processing; keyboard entries; LRU remove/replace; analysis of various printouts; and hardware diagnostics. Lab includes initialization and shutdown, running diagnostics, remove/replace LRUs, system troubleshooting analysis, CDR maintenance and extraction, alignment of data display monitors, and recent hardware changes includi

Prerequisites: 12762, 44320
And one of the following: None

40627 ARTS-III-E Mosaic for AF

Training Manager: AMA-460 Course Length: 32 hour(s)

This course provides training to AF technicians, engineers, and specialists on the ARTS-IIIE Mosaic. The course is 8 hours Academy lecture and 24 hours Academy laboratory. Lecture subjects include characteristics of Mosaic, performance monitoring, CQARs analysis, and SCAP functionality. Laboratory subjects include operation of the ACD/SMC, performance monitoring, CQARs operation, and SCAP operation.

Prerequisites: 42052
And one of the following: 40608, 40617

40638 RCL Terminal Equipment - Delta

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides training for airway facilities technicians and engineers on the Unicorn Automated Network Management System. This course is 19 hours Academy lecture and 5 hours Academy laboratory. Lecture subjects include AT&T ACORN Network Control System review, Unicorn Automated Network Management System, hardware description, installation, and alignment, Windows, Metagomanager lite, and Metagomonitor. Laboratory subjects include hardware alignment, software, and configuration.

Prerequisites: None
And one of the following: 40340, 40390, 48161, 48165

40643 ASDE-X Core Maintenance

Training Manager: AMA-440 Course Length: 64 hour(s)

This course provides training for technicians on the baseline Airport Surface Detection Equipment Model X (ASDE-X), but does not include the radar subsystem. The course is 31 hours lecture and 33 hours laboratory. Lecture subjects include system operation; multilateration, remote monitoring, tower display and processing subsystems; maintenance; and troubleshooting. Laboratory subjects include LRU removal and replacement, maintenance and troubleshooting.

Prerequisites: 40423, 42058, 44320, 88440, 88441
And one of the following: None

40662 Raytheon SMR for ASDE-X

Training Manager: AMA-440 Course Length: 32 hour(s)

This course provides training for the technician on the Raytheon Surface Movement Radar (SMR) subsystem portion of the ASDE-X. Training is 13 hours lecture and 19 hours laboratory. Lecture subjects include the transmitter/receiver, antenna, and radar processor theory and operation. Labs include LRU removal and replacement, maintenance, and troubleshooting.

Prerequisites: None
And one of the following: 40643, 48373

40663 SMRI for ASDE-X

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides training for the technician on the Sensis Surface Movement Radar Improved (SMRI) Subsystem portion of the ASDE-X. Training is 9 hours lecture and 15 hours laboratory. Lecture subjects include transmitter/receiver, antenna, and radar processor theory and operation. Labs include LRU removal and replacement, maintenance, and troubleshooting.

Prerequisites: 40643, 48373
And one of the following: None

41705 (CBI/MM) ODAPS for NAS/NOMS and Technicians

Training Manager: AMA-470 Course Length: 44 hour(s)

This course provides training for technicians and NAS managers on the Oceanic Display and Planning System (ODAPS) equipment. The course is 48% correspondence study, 48% advanced training aids (ATA's), and 4% computer-based instruction (CBI). Correspondence subjects include system overview, power-on/off procedures, software initialization, shutdown procedures, commands and responses, changing operational mode, monitoring system operations and diagnostic tools. ATA subjects include overview and interfaces, power-on/off, startup/shutdown, changing operational mode, commands and messages, and diagnostics. The end-of-course exam is on CBI.

Prerequisites: None
And one of the following: None

41706 (CBI/MM) ODAPS for Computer Operators

Training Manager: AMA-470 Course Length: 33 hour(s)

This course provides training for computer operators on Oceanic Display and Planning System (ODAPS) equipment. The course is 48% correspondence study, 48% advanced training aids, and 4% computer-based instruction (CBI). Correspondence subjects include system overview, power-on/off procedures, software initialization, shutdown procedures, commands and responses, VM/MVS commands and utilities, changing operational mode, and monitoring system operations. ATA subjects include overview and interfaces, power-on/off, startup/shutdown, changing mode, and commands and messages. The end-of-course exam is on CBI.

Prerequisites: None
And one of the following: None

42010 Sensor, Receiver, and Processor (SRAP)

Training Manager: AMA-460 Course Length: 160 hour(s)

This course provides training for technicians on the SRAP. The course is 80 hours Academy lecture and 80 hours Academy laboratory. Lecture subjects include RMC, REX (RDAS), and BDAS. Laboratory subjects include lecture support and a graded performance exam. Course not required at ASR-9 sites.

Prerequisites: 42027
And one of the following: None

42035 ARTS IIIA Data Entry and Display Subsystem (DEDS)

Training Manager: AMA-460 Course Length: 120 hour(s)

This course provides training for technicians on the ARTS IIIA DEDS, Type I and Type II consoles. The course is 72 hours Academy lecture and 48 hours Academy laboratory. Lecture subjects include DEDS theory of operation, alignment, and corrective maintenance; MDBM theory of operation, configuration and corrective maintenance; and DEDS/MDBM diagnostic operation and analysis. Laboratory subjects include DEDS alignment and troubleshooting, MDBM operation through problem operation and troubleshooting using the MDBM diagnostic, and verification of DEDS operation using the DEDS diagnostic.

Prerequisites: 42027
And one of the following: None

42039 ARTS IIE for Technicians

Training Manager: AMA-460 Course Length: 240 hour(s)

This course provides training on the Automated Radar Terminal System (ARTS) IIE, Type FA-9020 for technicians and engineers not previously certified on the ARTS IIA equipment. The course is 120 hours Academy lecture and 120 hours Academy laboratory. Lecture and laboratory subjects include introduction, initialization, system maintenance console (SMC), system administration, system processor, diagnostics, Decoding Data Acquisition Subsystem (DDAS), Radar Alphanumeric Display Subsystems (RADS), and keyboard (KBD).

Prerequisites: 88440
And one of the following: 40392, 42058, 88360

42051 Full Digital ARTS Display (FDAD) Hardware Maintenance

Training Manager: AMA-460 Course Length: 64 hour(s)

This course provides training for technicians on ARTS IIIA/ARTS IIIE FDAD, Type FA-10173. The course is 35 hours Academy lecture and 29 hours Academy laboratory. Lecture subjects include FDAD theory of operation and corrective, periodic maintenance, with EMS precautions. Laboratory subjects include FDAD alignment, operation verification, and troubleshooting analysis.

Prerequisites: None
And one of the following: 42004, 42014, 42027, 42036, 42052

42052 ARTS IIIE Hardware Maintenance (LRU)

Training Manager: AMA-460 Course Length: 160 hour(s)

This course provides hardware maintenance and limited software maintenance training for technicians on ARTS IIIE system, A6.05 version. The course is 80 hours Academy lecture and 80 hours Academy laboratory. Lecture subjects include system introduction, TP theory of operation, CP theory of operation, SMC theory of operation, chassis mechanical description, computer softare configuration item descriptions, local area network (LAN), and VME BUS. Laboratory subjects include system initialization and operation; TP, CP, DP, and SMC subsystem maintenance, and chassis repair; CDR editor, software downloader, troubleshooting, and performance using actual equipment.

Prerequisites: 88440, 88441
And one of the following: 40392, 42058, 88360

42054 ARTS IIIE (A6.05) NAS/NOM

Training Manager: AMA-460 Course Length: 80 hour(s)

This course provides training for NAS area specialists and operations managers on the ARTS IIIE system. The course is 40 hours Academy lecture and 40 hours Academy laboratory. Lecture subjects include system hardware overview, system initialization, system operations, performance monitoring, and diagnostic outputs. Laboratory subjects include performing analysis of various monitoring activities, operational printouts, and diagnostic outputs for system status and capabilities.

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Prerequisites: None
And one of the following: None

42055 ARTS-IIIE Software Maintenance for SPS's

Training Manager: AMA-460 Course Length: 160 hour(s)

This course provides training for system performance specialists and AUS on ARTS IIIE, A6.05 version. The course is 80 hours Academy lecture and 80 hours Academy laboratory. Lecture subjects include system operation, network concepts, CSCI, operating software, SSIS, and SMCS. Laboratory subjects include troubleshooting software items and network message analysis.

Prerequisites: None
And one of the following: None

42056 STARS Operational Support Facility Specialist

Training Manager: AMA-490 Course Length: 280 hour(s)

The STARS OSF specialist courses teach OSF adaptation specialists how to create, maintain, update, and test site adaptation for the Standard Terminal Automation Replacement System (STARS). It gives the specialist the background information and theory necessary to investigate system problems, and evaluate and resolve national AOS requests (NAR) for STARS. It also teaches STARS adaptation/software testing procedures and methodology, and the STARS OSF security procedures.

Prerequisites: None
And one of the following: None

42057 Sony Display Maintenance

Training Manager: AMA-460 Course Length: 32 hour(s)

This course provides training for technicians on the Sony digital display monitor DDM2800 as it is used in the Standard Terminal Automation System (STARS), MicroEARTS, ARTS color display (ACD), and similar automation systems. The course is 10 hours Academy lecture and 22 hours Academy laboratory. Subjects include introduction, system operation, display alignment using the digital remote controller, diagnostics, and repair.

Prerequisites: None
And one of the following: None

42058 Modern Radar Concepts

Training Manager: AMA-450 Course Length: 200 hour(s)

This course provides basic radar concepts training for technicians placed in a radar discipline. The course is 70 hours Academy lecture and 130 hours Academy lab. Subjects include basic radar system, transmission lines, w aveguide components, antenna systems, radar performance, synchronization and testing methods, high-voltage transmitters, solid-state transmitter, radar receivers, MTI, MTD, interfacing types and methods, display systems, and basic beacon systems. Note: Student must be proficient in using a scientific calculator, be proficient in basic algebra & trigonometry. Know ledge of basic electronics theory & devices expected.

Prerequisites: None
And one of the following: None

42059 MDR-6000 8 GHz Series Microwave Digital Radio LDRCL System

Training Manager: AMA-440 Course Length: 40 hour(s)

This course provides training for technicians, engineers, and SPS's on the MDR-6000 8 GHz series microw ave digital radio, LDRCL System and associated equipment. The course is 26 hours Academy lecture and 14 hours Academy laboratory. Subjects include system overview , Wescom channel bank, microw ave digital radio and user system interface (USI) program, Ferro and sw icthmode pow er supplies, and TSM-2500 RMMS System.

Prerequisites: 44321
And one of the following: None

42060 TSM-2500 Monitoring and Control LDRCL RMMS System

Training Manager: AMA-440 Course Length: 40 hour(s)

This course provides training for technicians w ho w ill be responsible for maintaining the TSM-2500 (transmission system monitor) program and creating new database (i.e., adding additional sites, creating new configuration, and setting up user passw ords). The course is 24 hours of Academy lecture and 16 hours of laboratory. Subjects include TSM-2500 System overview and set up, system program operation, MCS-11 database configuration management, polling engine operation and setup, TTY remote user interface, system troubleshooting, and back-up procedures.

Prerequisites: None
And one of the following: None

42062 Common ARTS Software for OSF Personnel

Training Manager: AMA-460 Course Length: 160 hour(s)

This course provides training for operational support facility (OSF) personnel on common ARTS (A6.05) system softw are. The course is 80 hours lecture and 80 hours laboratory. Lecture subjects include an overview of the ARTS-IIE/IIIE hardw are initialization and operation, modification and distribution of the ARTS-IIE/IIIE softw are, details of computer softw are configuration items (CSCI's), and site adaptation concepts. Laboratory exercises use actual system equipment and include system operation, netw ork concepts, CSCI operating softw are and building a site adaptation file. Laboratory exercises also include troubleshooting softw are items.

Prerequisites: None
And one of the following: None

42063 ATCBI-6 Hardware Maintenance

Training Manager: AMA-450 Course Length: 56 hour(s)

This course provides hardw are maintenance training for technicians and engineers on the ATCBI-6. This course is 8 hours lecture and 32 hours Academy laboratory. Lecture subjects include system operation, alignment, configuration, preventive maintenance, troubleshooting, and corrective maintenance. Laboratory subjects include application of system operation, alignment, configuration, preventive maintenance, troubleshooting, and corrective maintenance. Course 44330 serves as the first part of this course and therefore is an absolute, mandatory prerequisite.

Prerequisites: 42058, 44330
And one of the following: None

42064 TDX 2000 Digitizer

Training Manager: AMA-440 Course Length: 48 hour(s)

This course provides training for airw ay facilities technicians, engineers, specialists, and Technical Center personnel on the TDX 2000 Digitizer. This course is 22 hours Academy lecture and 26 hours Academy laboratory. Lecture subjects include equipment theory,

operations, configurations, preventive maintenance, and other hardw are information. Laboratory subjects include operations, preventive maintenance, corrective maintenance, and troubleshooting.

Prerequisites: 42058
And one of the following: None

42065 RACD Maintenance

Training Manager: AMA-460 Course Length: 80 hour(s)

This course provides training for airw ay facilities technicians, engineers, specialists, and computer operators on the remote ARTS color display (racd) maintenance. The course is 40 hours Academy lecture and 40 hours laboratory. Lecture subjects include a basic introduction to RACD, system theory and operation, system components, and system softw are. Lab subjects include softw are dow nloading to an RACD, alignment and repair of a general digital flat screen monitor, initializing the MVME 2700 single-board computer, preventive maintenance, and the system troubleshooting.

Prerequisites: 44320
And one of the following: None

42066 Automation Interface Unit-II (AIU-II)

Training Manager: AMA-460 Course Length: 16 hour(s)

This course provides training for airw ay facilities technicians, engineers, and Technical Center personnel on the Automation Interface Unit-II (AIU-II). This coures is 4 hours Academy lecture and 12 hours Academy laboratory. Lecture covers AIU-II theory of operation. Laboratory subjects include system operation, preventive maintenance, corrective maintenance, removal and replacement, and system certification.

Prerequisites: None
And one of the following: None

42069 Airport Surveillance Radar-11 (ASR-11)

Training Manager: AMA-450 Course Length: 120 hour(s)

This course provides training for airw ay facilities technicians, engineers, and specialists on the Airport Surveillance Radar-11 (ASR-11). This course is 16 hours Academy lecture and 104 hours Academy laboratory. Lecture subjects include system review and pre- and post-lab briefings. Laboratory subjects include periodic maintenance, system configuration, fault diagnosis, and repair. Course 44329 serves as the first part of this course and therefore is an absolute, mandatory prerequisite.

Prerequisites: 44329, 88440, 88441
And one of the following: 12758, 40423

42070 Micro-EARTS Software Maintenance

Training Manager: AMA-460 Course Length: 120 hour(s)

This course provides training for system performance specialists, FAA Technical Center personnel, and AOS field specialists on Micro-EARTS softw are maintenance. This course is 56 hours Academy lecture and 64 hours Academy laboratory. Lecture subjects include system theory of operation, system softw are installation and configuration, site adaptation functions, system analysis, and troubleshooting. Laboratory subjects include system operation, softw are installation and setup, softw are functionality, and system analysis.

Prerequisites: 12758
And one of the following: 40607, 40626

42071 Full STARS Maintenance

Training Manager: AMA-490 Course Length: 200 hour(s)

This course provides training for qualified system specialists on the STARS Automation System used in terminal radar approach control facilities. This course is 82 hours Academy lecture, 94 hours Academy lab, and 24 hours testing. Lecture subjects include an introduction to the system, system operation, Sony monitor, and system components. Lab exercises include hands-on learning and detailed component/system troubleshooting.

Prerequisites: 44340, 88440, 88441
And one of the following: 12751, 40423

42072 ATCBI-6 Technical On-Site Representative (TOR)

Training Manager: AMA-450 Course Length: 40 hour(s)

This course provides training for technicians and engineers w ho w ill accept the ATCBI-6 System for their site. This course is 40 hours Academy lecture. Lecture subjects include integration and acceptance activities w hich include know ledge and skills necessary to monitor and report status and discrepancies.

Prerequisites: None
And one of the following: None

42075 ITWS Remote Situation Display

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides training for airw ay facilities technicians, w ho are located at remote ATCTS and ARTCCS, on the ITWS remote situation display. This course is 10 hours Academy lecture and 14 hours Academy laboratory. Subjects include the ITWS functional description and situation display overview , startup/shutdow n procedures, operation, softw are loading, router configuration, and troubleshooting.

Prerequisites: None
And one of the following: None

43002 FSAS System Analysis Course

Training Manager: AMA-480 Course Length: 304 hour(s)

This course provides training for technicians, engineers, and FAA Technical Center personnel on the Flight Service Automation System (FSAS). The course is 152 hours Academy lecture and 152 hours Academy laboratory. Lecture and laboratory subjects include Tandem B40 softw are/utility components, Tandem TXP hardw are components, Tandem peripherals, diagnostics, system messages, error messages, FSAS application softw are modules, FSAS protocols, system tape loading procedures, system start-up and loading procedures, and system analysis hardw are and softw are tools.

Prerequisites: None
And one of the following: None

43003 AWOS Data Acquisition System (ADAS) Hardware Maintenance

Training Manager: AMA-480 Course Length: 48 hour(s)

This course provides training for technicians on Automated Weather Observation System (AWOS) ADAS hardw are. The course is 24 hours Academy lecture and 24 hours Academy laboratory. Lecture subjects include the system theory of operation, fault diagnosis and isolation, and performance analysis. Laboratory subjects include fault diagnosis, performance analysis, test procedures, use of test equipment, and routine checks and adjustments.

Prerequisites: 88440
And one of the following: None

43005 AFSS Model 1 Full Capacity (M1FC) Hardware

Training Manager: AMA-480 Course Length: 120 hour(s)

This course provides training for technicians and engineers on the M1FC automated flight service station (AFSS) DEC LSI 11/23. The course is 60 hours Academy lecture and 60 hours Academy laboratory. Lecture subjects include the functional analysis of the overall system interface/data flow , an operational analysis of each individual device and module, and detailed explanation of required maintenance procedures. Laboratory subjects include operating the equipment and performing preventive and corrective maintenance procedures.

Prerequisites: None
And one of the following: None

43006 Direct Access Radar Channel (DARC) Operations

Training Manager: AMA-470 Course Length: 48 hour(s)

This course provides training for NAS managers w ho have had no previous DARC training. The course is 28 hours Academy lecture and 20 hours Academy laboratory. Lecture subjects include prime DARC interfaces, unit identifications and functions, data and control paths, system start-ups, IOT commands, requests and analyses of RTQC reports, and overview of adaptations and M and D. Laboratory subjects include system familiarization and startup, HCS startup of DARC, unit reconfigurations, R-controls procedures, and error and status message analysis.

Prerequisites: None
And one of the following: None

43010 High Capacity Voice Recorder (HCVR) Maintenance (60 Channel)

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the magnasync HCVR. The course is 16 hours Academy lecture and 24 hours Academy laboratory. Lecture subjects include theory of operation, system operation and evaluation, preventive maintenance procedures, and fault analysis. Laboratory subjects include system operating procedures, system evaluation, routine test procedures, adjustments, and isolation of faults.

Prerequisites: 44006
And one of the following: None

43012 PAMRI System Maintenance Support

Training Manager: AMA-470 Course Length: 80 hour(s)

This course provides training for system performance specialists on the Peripheral Adapter Module Replacement Item (PAMRI), including the hardw are and softw are. The course is 48 hours Academy lecture and 32 hours Academy laboratory. Lecture subjects include data flow , formats and messages, data and pow er distribution, and problem determination/isolation. Laboratory subjects include modem splitter, AU, RDDU, remote RAPPI, MDM, I/O check report, RAPPI PAMRI NAS messages, batch files, and performance exam on AU, RDDU, and remote RAPPI.

Prerequisites: 88440
And one of the following: None

43021 HOST NAS Monitor and FDP for Systems Specialists

Training Manager: AMA-470 Course Length: 440 hour(s)

This course provides training for systems specialists on the HOST

NAS Monitor and FDP. The course is 320 hours Academy lecture and 120 hours Academy laboratory. Lecture subjects include National Airspace System (NAS) monitor, NAS system build procedures, Adaptation-Controlled Environment System (ACES), maintenance diagnostic monitor (MDM) build and execution, on-line certification (OLC) and SIM, and flight data processing (FDP). Laboratory sessions include NAS startup/startover, monitor input messages and output responses, FDP, NAS system builds, MDM, and OLC.

Prerequisites: None
And one of the following: 43020, 40420

43022 HOST Abort Analysis for Systems Specialists.

Training Manager: AMA-470 Course Length: 80 hour(s)

This course provides training for systems specialists on the HOST National Airspace System (NAS) software diagnostics and recovery. The course is 65% Academy lecture and 35% Academy laboratory. Lecture subjects include problem resolution by analysis of NAS software aborts and dumps and monitor off-line programs. Laboratory subjects include NASCOR, DART, NTAP panels, and analyzing program aborts from NASCOR generated dumps.

Prerequisites: 43021
And one of the following: None

43023 HOST Radar Data Processing for Systems Specialists.

Training Manager: AMA-470 Course Length: 160 hour(s)

This course provides training for system specialists on the HOST Radar Data Processing (RDP) software. The course is 60% Academy lecture, 40% Academy laboratory. Lecture subjects include radar processing and tracking (RPAT), real time quality control (RTQC), display channel outputs (DCO), and off-line radar analysis programs. Laboratory subjects include RPAT, RTQC, and off-line radar analysis programs BFTA, BCST, COMDIG, RARRE, ORRE, QARS, TEARS, AND RSCANS.

Prerequisites: 43021
And one of the following: 47207, 43054, 43009

43031 En Route Adaptation

Training Manager: AMA-470 Course Length: 200 hour(s)

This course provides training for air traffic control specialists on maintaining, updating, and testing the NAS adaptation database. The course is 60% Academy lecture and 40% Academy laboratory. Lecture subjects include support software products, airspace and air traffic control operations adaptation records, NAS documentation simulation, adaptation controlled environment system, and data analysis and reduction tools. Laboratory subjects include adapting approach control airspace, and building an operational NAS System and testing it.

Prerequisites: None
And one of the following: None

43033 DAS/RSD Operation and Maintenance

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the ARTCC maintenance control center (AMCC) DAS/RSD equipment. The course is 24 hours Academy lecture and 16 hours Academy laboratory. Lecture subjects include NAS/DAS overview , DAS/MDT operations, real-time status display (RSD), and corrective maintenance. Laboratory subjects include location, operations, field replaceable units, and troubleshooting.

Prerequisites: None
And one of the following: 47404, 44012

43048 MPS Tandem Himalayas K2008 Hardware and Utilities

Training Manager: AMA-480 Course Length: 240 hour(s)

This course provides training for technicians and engineers at ARTCC's on maintaining the Tandem Himalayas K2008 MPS. The course consists of 125 hours Academy lecture and 115 hours Academy laboratory. Subjects include introduction to the MPS, system hardware, SCP operations, TS530 terminal, KC17 System terminal, TACL as a command interpreter, non-stop Kernel concepts, edit program, peruse, Syshealth, View point, TMDS (TMDS, EMS log, CPU and IPB, MDS, COMMFC, tape, CSS, and disk), RCP, system troubleshooting, disk files/FUP, 5126/5170 tape drives and controllers, tapecom; backup and restore, 5518 and 5515 printers, 36xx CSS equipment and utilities (CMI/CMP/CSM/CAP's), and MT224 modems.

Prerequisites: 88440
And one of the following: None

43049 MPS Tandem Himalaya K2008 Software and Administration

Training Manager: AMA-480 Course Length: 216 hour(s)

This course provides training for technicians and engineers at ARTCC's on maintaining the Tandem Himalaya K2008 Maintenance Processor Subsystem (MPS). The course consists of 113 hours Academy lecture and 103 hours Academy laboratory. Subjects include TACL as a language, introduction to databases, DDL; enform, sql; pathway, enable, MMS/IMCS process and file distribution, TMF, Spoolcom (spooler configuration), DSAP/DCOM, safeguard; introduction to system configuration, context files, install, and system troubleshooting.

Prerequisites: 43048
And one of the following: None

43485 NADIN Concentrator/Modem Subsystem Hardware, ARTCC

Training Manager: AMA-480 Course Length: 80 hour(s)

This course provides training for technicians on National Airspace Data Interchange Network (NADIN IA) Concentrator/Modem Subsystem. The course consists of 40 hours Academy lecture and 40 hours Academy laboratory. Lecture and laboratory subjects include diagnose concentrator, modem, NADIN Interface aAdapter (nia), and the remote user monitor system faults.

Prerequisites: 88440
And one of the following: None

43519 Direct Access Radar Channel (DARC) for Technicians

Training Manager: AMA-470 Course Length: 312 hour(s)

This course provides training for technicians, engineers, and system performance specialists on DARC. The course is 162 hours Academy lecture and 150 hours Academy laboratory. Lecture subjects include EDARC and National Airspace System/prime channel comparability, system operation, and maintenance procedures on all EDARC equipment. Laboratory subjects include troubleshooting, executing diagnostics, preventive maintenance, system input and output messages, and system certification. Student should be proficient in binary, octal, hexadecimal arithmetic, and digital logic.

Prerequisites: 88441
And one of the following: None

43520 Enhanced Direct Access Radar Channel (EDARC) Software

Training Manager: AMA-470 Course Length: 280 hour(s)

This course provides training for technicians on EDARC software. The course consists of 140 hours Academy lecture and 140 hours Academy laboratory. Lecture and laboratory subjects include utilities, procedures for program and file maintenance, system operations, system data management, program operations, adaptation procedures, and error analysis.

Prerequisites: None
And one of the following: None

43535 HOST NAS Operational Software for NAS/NOMS

Training Manager: AMA-470 Course Length: 208 hour(s)

This course provides training for NAS managers on the HOST NAS software. The course is 60% Academy lecture and 40% Academy laboratory. Lecture subjects include NAS monitor, radar data processing (RDP), flight data processing (FDP), input and output messages, adaptation, on-line certification (OLC), aborts, monitor and radar off-line tools, system problems, and system interface. Laboratory subjects include NAS startup/startover, monitor input messages and output responses, RDP, FDP, OCL, and test NAS.

Prerequisites: 40420, 47207
And one of the following: None

43542 NADIN PSN Hardware Maintenance Course

Training Manager: AMA-480 Course Length: 72 hour(s)

This course provides training for technicians and engineers on the packet switching network (PSN) hardware. The course consists of 36 hours Academy lecture and 36 hours Academy laboratory. Lecture subjects include purpose, operational parameters and indications, and configuration and troubleshooting procedures. Laboratory subjects include location, configuring, analyzing and troubleshooting, and preventive and corrective maintenance.

Prerequisites: 88440
And one of the following: None

43549 Common Digitizer (CD), Model 2A/B/C/D

Training Manager: AMA-440 Course Length: 160 hour(s)

This course provides training for technicians on the CD Model 2A/B/C/D. The course is 80 hours Academy lecture and 80 hours Academy laboratory. Lecture subjects include a block-diagram analysis, IEEE-488 BUS structure, operating procedures, remote control interface unit as it pertains to the initial remote maintenance monitor equipment, CD-2C equipment used at Air Force/FAA joint-use sites for data tie, and GPA-12A. Laboratory subjects include use of the keyboard, display, trackball, and printer to isolate faults and change operating parameters.

Prerequisites: 42058, 88440
And one of the following: None

43557 Display System Replacement for NAS Managers

Training Manager: AMA-470 Course Length: 168 hour(s)

This course provides training for NAS managers on the display system replacement. The course is 46% Academy lecture and 54% Academy laboratory. Lecture subjects include DSR overview, console operation, software design overview, system monitoring, system reconfiguration, problem recovery and resolution, processing new software releases, system verification and control room equipment replacement. Laboratory subjects include console operation, system monitoring, system reconfiguration, problem recovery and resolution, processing new software releases, system verification and control room equipment replacement.

Prerequisites: None
And one of the following: None

43850 Establishing a Maintenance Certification Program - Int'l

Training Manager: AMA-800 Course Length: 40 hour(s)

This course provides training for technicians, engineers, and technical supervisory personnel on establishing a maintenance certification program. This course is 35 hours lecture, 4 hours lab, and 1 hour final exam. Lecture subjects include aviation concepts relating local facilities and airspace to air traffic operations and aircraft operations; general maintenance policies, philosophy and directives; certification program concepts, benefits, implementation, and directives; and the technical training program required to implement and sustain a maintenance personnel certification program.

Prerequisites: None
And one of the following: None

43853 VOR/DME Flight Inspection for AF Tech/Eng - Int'l

Training Manager: AMA-800 Course Length: 40 hour(s)

This course is designed to give guidance to the maintenance technician and engineer on how to conduct a VOR/DME flight inspection. It covers, w hat and how to document, traceability standards for ICAO compliance, liability, and risk management. The lab exercise is coordinated w ith an actual flight inspection to complete the OJT portion on the actual field equipment. The lab exercise can be simulated if a flight inspection is not possible or is impractical. Topics include; review of radiation patterns for image arrays, establishing reference values, adjusting equipment alarm limits, maintaining tolerances, establishing ground check points, system calibration, and documentation.

Prerequisites: 40284
And one of the following: None

43854 Localizer Flight Inspection for AF Tech/Eng (Int'l)

Training Manager: AMA-800 Course Length: 40 hour(s)

This course is designed to give guidance to the maintenance technician and engineer on how to conduct a localizer flight inspection. It covers, w hat and how to document, traceability standards for ICAO compliance, liability, and risk management. The lab exercise is coordinated w ith an actual flight inspection to complete the OJT portion on the actual field equipment. The lab exercise can be simulated if a flight inspection is not possible or is impractical. Topics include; review of radiation patterns for image arrays, establishing reference values, adjusting equipment alarm limits, maintaining Cat I, II, and III, tolerances, system phasing, corrective action, establishing ground check points, system calibration, and

Prerequisites: 40283
And one of the following: None

43855 Glideslope Flight Inspection for AF Tech/Eng (Int'l)

Training Manager: AMA-800 Course Length: 40 hour(s)

This course is designed to give guidance to the maintenance technician and engineer on how to conduct a glideslope flight inspection. It covers w hat and how to document, traceability standards for ICAO compliance, liability, and risk management. The lab exercise is coordinated w ith an actual flight inspection to complete the OJT portion on the actual field equipment. The lab exercise can be simulated if a flight inspection is not possible or is impractical. Topics include; review of radiation patterns for image arrays, establishing reference values, adjusting equipment alarm limits, maintaining Cat I, II, and III, tolerances, system phasing, corrective action, establishing ground check points, system calibration, and

Prerequisites: 40283
And one of the following: None

44001 Single Sideband Communications

Training Manager: AMA-410 Course Length: 25 hour(s)

This course provides training for technicians on single sideband communications. The course is 100% correspondence study w ith eight lessons. Subjects include modulated w aves and their components, balanced modulators, sideband filters, methods of SSB generation, heterodyning, linear amplifiers, generation considerations, and application of SSB transmission and reception.

Prerequisites: None
And one of the following: None

44006 Basic Multichannel Recorder Theory

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the basic multichannel recorder. The course is 100% correspondence study w ith four lessons. Subjects include general concepts associated w ith analog and digital magnetic recording, recording heads, tape drive, and transport systems.

Prerequisites: None
And one of the following: None

44007 Telrad Administrative Telephone Systems (ATS)

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the Telrad Administrative Telephone System (ATS). The course is 100% correspondence study. Subjects include theory of operation instruction, laboratory equipment performance checks, and troubleshooting procedures.

Prerequisites: 47504, 88440
And one of the following: None

44009 DAS/RSD Operations

Training Manager: AMA-480 Course Length: 16 hour(s)

This course provides training for NAS managers on Data Acquisition Subsystem (DAS)/Real-time Status Display (RSD) operations. The course is 2 hours correspondence study and 14 hours automated training aids. Subjects include complete functional overview, data flow, alarm acknowledge procedures, and the loading and reloading of operational software.

Prerequisites: 88440
And one of the following: None

44014 Snow Depth Monitor (SDM) System.

Training Manager: AMA-420 Course Length: 35 hour(s)

This course provides training for technicians on the DME Corporation SDM System, Type FA-10330. The course is 100% correspondence study with field-conducted lab. Subjects include system overview, operation, and maintenance at the line replaceable unit level. Credit for the course requires successful completion of field-conducted lab and end-of-course exam.

Prerequisites: None
And one of the following: 40233, 40283

44015 Digital Altimeter Setting Indicator (DASI)

Training Manager: AMA-410 Course Length: 24 hour(s)

This course provides training for technicians on the DASI System. The course is 100% correspondence study. Subjects include functional and operational analysis of the overall operation of computer controlled circuits.

Prerequisites: None
And one of the following: None

44017 Motorola Linear Power Amplifier

Training Manager: AMA-410 Course Length: 16 hour(s)

This course provides training for technicians on the Motorola 50 watt linear power amplifier. The course is 100% correspondence study. Subjects include overview, installation and integration, operation, theory of operation, periodic maintenance, and warranty repair.

Prerequisites: 47504
And one of the following: None

44019 Motorola CM-200 Overview

Training Manager: AMA-410 Course Length: 2 hour(s)

This course provides training for technicians and NAS managers on VHF and UHF transmitters and receivers, Model CM-200. The course is 100% video tape with student guide. Subjects include overview, installation, operation, maintenance, and warranty repair.

Prerequisites: None
And one of the following: None

44020 Introduction to Computers

Training Manager: AMA-470 Course Length: 80 hour(s)

This course provides training for technicians and engineers on basic computer operations. The course is 100% correspondence study. Subjects include data processing, computer components and devices, interactive processing, input and output techniques, interfacing systems, processor unit functions, auxiliary storage, data manipulation, various communication protocols and techniques, software applications, programming languages and their uses, operating systems and their software, designed analysis of computer systems, computer systems projects, their coding and implementation, programming techniques, using the Internet and basic network operations.

Prerequisites: None
And one of the following: None

44021 VTABS Power Subsystem

Training Manager: AMA-410 Course Length: 24 hour(s)

This course provides training for technicians on the power subsystem for the VSCS Training and Backup System (VTABS) manufactured by Peco II, Incorporated. The course is 100% correspondence study. Subjects include introduction, physical and technical description, controls and indicators, power up and power down procedures, maintenance procedures, removal and replacement LRU's, and preventive maintenance for batteries used in the system.

Prerequisites: None
And one of the following: None

44023 VSCS Emergency Access Radio System (VEARS)

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians and NAS managers involved in the operation or maintenance of VSCS and VEARS. The course is 100% correspondence study. Subjects include purpose, overview, configuration and features; technical description, operation, controls and indicators; maintenance procedures and performance checks; installation, integration, and checkout procedures.

Prerequisites: None
And one of the following: None

44024 PET-2000 Radio Transceiver

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for AF and at personnel on the operation and maintenance of the Portable Emergency Transceiver-2000 (PET-2000). The course is 100% correspondence study. Subjects include overview of the frequencies, range, power, and modes of operation; installation procedures; detailed adjustment procedures; and performance check procedures, fault isolation, and removal of faulty line replaceable units (LRU).

Prerequisites: None
And one of the following: None

44025 Recovery Communications (RCOM) Operator

Training Manager: AMA-410 Course Length: 20 hour(s)

This course provides training for personnel who will operate the Recovery Communications (RCOM) System. The course is 16 hours self-study text and 4 hours computer-based exercises (CBE). Self-study subjects include RCOM purpose and function, equipment and component identification and purpose, system software identification and operation, and system startup/shutdown procedures. CBE subjects include system operation procedures, startup/shutdown, and alarm and alert notifications.

Prerequisites: None
And one of the following: None

44026 Recovery Communications (RCOM) Maintenance

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for field maintenance technicians, technical support specialists, and system specialists who are responsible for maintaining the Recovery Communications (RCOM) System. The course is 36 hours self-study text and 4 hours computer-based exercises (CBE) with a paper-based exam. Self-study subjects include RCOM purpose and function, equipment and component identification and purpose, system software identification and operation, startup/shutdown procedures, and troubleshooting. CBE subjects include system operation procedures, fault isolation, and bit testing.

Prerequisites: None
And one of the following: None

44027 Back-Up Emergency Communications (BUEC) - Remote Site

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on BUEC Transceivers and Control Systems, Types FA-8190 and FA-8191. The course is 56 hours computer-based instruction (CBI) and 8 hours of field-conducted laboratory. CBI subjects include introduction, control equipment, BUEC transmitter, and BUEC receiver. Lab subjects include coordination of maintenance activities with ATC, BUEC transmitter alignment and performance checks, and buec receiver alignment and performance checks.

Prerequisites: None
And one of the following: None

44028 Back-Up Emergency Communications (BUEC) - ARTCC

Training Manager: AMA-410 Course Length: 32 hour(s)

This course provides training for technicians on the BUEC transmitter and receiver, Remote Control Group, Types FA-8192, FA-8193, and FA-8194. This course is 24 hours correspondence study and 8 hours of field-conducted laboratory. Correspondence study subjects include an introduction to the equipment and remote control group. Lab subjects include coordination of maintenance activities with ATC, select command and transmitter keying checks, power supplies check, transmit audio and audio keying level adjustments, and maintenance panel operation.

Prerequisites: None
And one of the following: None

44029 C3 VHF/FM Handheld Radio End User

Training Manager: AMA-410 Course Length: 4 hour(s)

This course provides handheld radio users with the required familiarity and basic maintenance instruction to successfully operate the Motorola XTS-3000. The course is 2 hours correspondence study and 2 hours computer-based instruction (CBI).

Prerequisites: None
And one of the following: None

44100 Engines

Training Manager: AMA-430 Course Length: 80 hour(s)

This course provides training for technicians on engine generator

sets. The course is 100% correspondence study. Subjects include theory of internal combustion engines, valve systems, carburetion, ignition, cooling, lubrication, fuels, combustion, engine auxiliaries, and control panels.

Prerequisites: None
And one of the following: None

44102 Diesel Engine Generators

Training Manager: AMA-430 Course Length: 45 hour(s)

This course provides training for technicians on engine generator sets. The course is 100% correspondence study. Subjects include theory of diesel engines, basic principles, concepts, terminology, and definitions of diesel engine generators and associated control panels, including basic diesel engine operation, fuel systems, governors, and control panels.

Prerequisites: None
And one of the following: None

44112 Flasher System FA-9989

Training Manager: AMA-430 Course Length: 64 hour(s)

This course provides training for technicians and engineers on the MALSR/REIL Master Timer, Type B, I, II, and III flashers. The course is 100% correspondence study with seven lessons. Subjects include system and circuit analysis, evaluation, repair, and preventive maintenance.

Prerequisites: None
And one of the following: 44111, 47600, 44117

44113 MALS/RAIL/REIL

Training Manager: AMA-430 Course Length: 120 hour(s)

This course provides training for technicians and engineers on the runway end identifier lighting (REIL) systems and medium-intensity approach lighting systems (MALS) with runway alignment indicator lights (RAIL) visual landing aid systems. The course is 100% correspondence study with 11 lessons. Subjects include theory, preventive, and corrective maintenance on the following systems: MALSR's and REIL's, Model/Type REIS, Sylvania REIL-2, Sylvania REIL FA-9437, Godfrey REIL FA-9628, MALS/RAIL Multi-Electric MALSR FA-8767, Sylvania MALSR FA-8982, and SEPCO MALSR FA-9629.

Prerequisites: None
And one of the following: 44111, 47600, 44117

44114 High Intensity Approach Lighting Systems (ALS)

Training Manager: AMA-430 Course Length: 128 hour(s)

This course provides training for technicians and engineers on ALS substations and sequenced flashers. The course is 100% correspondence study with five lessons. Subjects include theory, preventive, and corrective maintenance on the Westinghouse FA-1772, General Electric GEI-89310, single phase heavy-duty 3CRSBA, and Sylvania sequenced flasher systems.

Prerequisites: None
And one of the following: 44111, 47600, 44117

44115 Precision Approach Path Indicator (PAPI) Maintenance

Training Manager: AMA-430 Course Length: 64 hour(s)

This course provides training for technicians and engineers on the sonicraft PAPI, Type FA-10147. The course is 100% correspondence study with 12 lessons. Subjects include system configuration, adjustments for initial installation, circuit analysis, evaluation, preventive maintenance, performing alignments, and routine performance checks.

Prerequisites: None
And one of the following: 44111, 47600, 44117

44116 CCMS Maintenance

Training Manager: AMA-430 Course Length: 100 hour(s)

Course provides training for technicians and engineers on the Central Control and Monitoring System (CCMS). The course is 70% correspondence study and 30% field-conducted lab. Correspondence study subjects include: system architecture and operations; DGP/BCC communications; DGP operations; and workstation operation and maintenance. Field conducted laboratory subjects include: system components; workstation operation; system operations; utilities and diagnostics; and PCL programming. Satisfactory completion requires two exams and a certificate from the system tutorial.

Prerequisites: None
And one of the following: None

44117 Environmental Electrical Concepts

Training Manager: AMA-430 Course Length: 120 hour(s)

This course provides training for technicians on environmental electrical concepts. The course is 100% correspondence study. Subjects include safety, concepts of electricity/magnetism, batteries, electrical conductors, alternating current and vector analysis, basic electrical indicating instruments, transformers, generators, motors, control devices and circuit diagrams, and magnetic amplifiers.

Prerequisites: None
And one of the following: None

44118 Visual Approach Slope Indicator (VASI)

Training Manager: AMA-430 Course Length: 64 hour(s)

This course provides training for technicians and engineers on VASI West Tech FA-9330, DISAN FA-9873, SEPCO FA-9458, SEPCO FA-9458B, and West Tech FA-9458A. The course is 56 hours correspondence study and 8 hours field-conducted lab with a supervised final exam. Correspondence study subjects include operational characteristics, assemblies, subassemblies, performance checks, maintenance, alignment, adjustments, and troubleshooting. Field-conducted lab is conducted on the equipment at the field facility. This course includes a supervised final examination.

Prerequisites: None
And one of the following: 44111, 44117, 47600

44202 Vacuum Tube Circuits

Training Manager: AMA-410 Course Length: 30 hour(s)

This course provides training for technicians on vacuum tubes and their circuit application. The course is 100% correspondence study with three lessons. Subjects include vacuum tube circuit analysis, graphical analysis of vacuum tube circuits, equivalent circuits, basic amplifier types, and circuit operation.

Prerequisites: None
And one of the following: None

44208 Runway Visual Range (RVR) Equipment, FA-7861

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for technicians on the RVR (SSR), Type FA-7861. The course is 100% correspondence study. Subjects include transmissometer system, introduction to RVR computer, and printed circuit modules.

Prerequisites: 47504
And one of the following: None

44212 Remoting Equipment for VHF/UHF Direction Finder (DF)

Training Manager: AMA-410 Course Length: 23 hour(s)

This course provides training for technicians on basic remoting system. The course is 100% correspondence study with two lessons. Subjects include overall block diagram approach, requirements for control lines and hybrid units necessary to transmit the digital information over phone lines from the control station to the Remote site, frequency shift operation concepts, logic principles and circuitry applicable to the remoting equipment.

Prerequisites: 47504
And one of the following: None

44215 Distance Measuring Equipment (DME) Principles

Training Manager: AMA-420 Course Length: 24 hour(s)

This course provides training on distance measuring equipment in general. The course is 100% correspondence study. Subjects include DME concepts, terminology, theory of operation, familiarization of the various units of the DME system consisting of the transponder, monitor, test unit, and the control unit, and an analysis of the system functional block diagram. This course has two lessons and a supervised final. The course is a prerequisite for all stand-alone DME equipment courses.

Prerequisites: None
And one of the following: None

44216 LORAN-C Monitor (FA-10232)

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for technicians on the LORAN-C monitor/receiver, FA-10232. The course is 100% correspondence study with four modules. Subjects include operation, software/hardware overview, troubleshooting, and periodic maintenance. OJT practical exercises, exam, and the four modules are required for successful completion.

Prerequisites: None
And one of the following: None

44217 Direction Finder 5530 and Remoting Equipment 5571/5572

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the 5530 direction finder (DF) and the 5571/5572 direction finder remoting equipment (RDF). The course is 100% correspondence study with seven lessons. Subjects for DF equipment include doppler theory, Antenna System, receiver, data extractor, local and remote indicators, time domain filter, bearing evaluator monitor, and air ground adapter. Subjects for the remoting equipment include FSK theory, control, and data systems. A basic understanding of vacuum tubes and transistor operations is helpful.

Prerequisites: None
And one of the following: None

44218 Non-Directional Beacon (NDB) System

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides training for technicians on the Scientific Radio System NDB, FA-9589. The course is 100% correspondence study with 13 lessons. Subjects include the remote monitor receiver, station transmitter, use of the facility input/output terminals (IOT), the antenna tuning unit, and antenna. Graded practical sessions are used to develop skills in performing alignment, fault diagnosis, and routine checks on the NDB System.

Prerequisites: 47504
And one of the following: None

44219 VORTAC Enhancements, FA-9996

Training Manager: AMA-420 Course Length: 20 hour(s)

This course provides training for technicians on the VHF Omnirange Tactical Air Navigation (VORTAC) enhancement kit for the Type FA-9996 VORTAC System. The course is 100% correspondence study. Subjects include technical description and purpose of enhancements, enhancement operations and data screen changes, and periodic and corrective maintenance.

Prerequisites: 44216, 47701
And one of the following: None

44220 RMVC/2nd Gen VORTAC Overview for MCC Specialists

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for system performance specialists and computer operators on monitoring the 2nd Gen VORTAC using the Interim Monitor Control System (IMCS) through the Remote Maintenance VORTAC concentrator (RMVC). The course is 50% correspondence study and 50% field-conducted lab training. Correspondence study subjects include the IMCS application to remotely monitor and control 2nd Generation VORTAC facilities, as part of the Remote Maintenance Monitoring System. Field-conducted lab subjects include exercises at the MCC terminals.

Prerequisites: None
And one of the following: None

44221 GPS Concepts

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for personnel on Global Positioning System (GPS) concepts. The course is 100% correspondence study and includes a supervised open-book final exam. Subjects include GPS overview, ranging, navigation data message, satellite signal structure and receiver processing, GPS errors, and differential GPS.

Prerequisites: None
And one of the following: None

44222 Teledyne RVR, Type 10268/1-6

Training Manager: AMA-420 Course Length: 12 hour(s)

This course provides theory training for airway facilities personnel on the Runway Visual Range, Type 10268/1-6. This course is 12 hours correspondence study. Subjects include a system overview, visibility sensor (VS), ambient light sensor (ALS), current sensors (CS), sensor interface electronics (SIE), data processing unit (DPU), controller display (CD) operations, standards, and tolerances, and periodic maintenance procedures. Course requires TI 6560.17, 6560.31, and 6990.2 for reference.

Prerequisites: None
And one of the following: None

44223 WAAS O&M Equipment (Theory)

Training Manager: AMA-420 Course Length: 60 hour(s)

This course provides theory training for airway facilities technicians and engineers on the WAAS operations and maintenance (O&M) equipment. This course is 60 hours correspondence study. Subjects include an introduction to WAAS, use of the interactive electronic technical manual (IETM), a description of WAAS components at all sites including interfaces and purpose of all line replaceable units (LRUs), and an emphasis on corrective maintenance procedures for the O&M subsystem.

Prerequisites: 44221, 88440, 88441
And one of the following: None

44224 WAAS Operator (Theory)

Training Manager: AMA-420 Course Length: 120 hour(s)

This course provides theory training for airway facilities technicians and engineers that are WAAS operators. This course is 120 hours correspondence study. Subjects include an introduction to WAAS, use of the interactive electronic technical manual (IETM), a description of WAAS components at all sites including interfaces and purpose of all line replaceable units (LRUs), corrective maintenance procedures for the WRS, WMS, and O&M Subsystem, GEO Uplink Subsystem, and all WAAS System operations. This course requires a final supervised exam for completion.

Prerequisites: 44221, 88440, 88441
And one of the following: None

44225 WAAS WRS Equipment (Theory)

Training Manager: AMA-420 Course Length: 60 hour(s)

This course provides theory training for airway facilities technicians and engineers that maintain the WAAS wide area reference station (WRS) equipment. This course is 60 hours correspondence study. Subjects include an introduction to WAAS, use of the interactive electronic technical manual (ietm), a description of WAAS components at all sites including interfaces and purpose of all line replaceable units (LRUs), and an emphasis on corrective maintenance procedures for the WRS. This course requires a final supervised exam for completion.

Prerequisites: 44221, 88440, 88441
And one of the following: None

44226 WAAS WRS/WMS Equipment (Theory)

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides theory training for airway facilities technicians and engineers that maintain the WAAS wide-area reference station/wide-area master station (WRS/WMS) equipment. This course is 80 hours correspondence study. Subjects include an introduction to WAAS, use of the interactive electronic technical manual (ietm), a description of WAAS components at all sites including interfaces and purpose of all line replaceable units (LRUs), and an emphasis on corrective maintenance procedures for the WRS and WMS. This course requires a final supervised exam for completion.

Prerequisites: 44221, 88440, 88441
And one of the following: None

44300 Introduction to Radar Techniques

Training Manager: AMA-450 Course Length: 100 hour(s)

The course provides review, preparation, or supplemental training for technicians and engineers on radar. The course is 100% correspondence study with a supervised final exam. Subjects include introduction to NAS, brief history of radar, block diagram of a typical radar, pulse termonology, the ideal pulse, limitations to transmitting the ideal pulse, the radar range equation, factors that limit minimum or maximum range waveguides, auxiliary waveguide components, crystal mixers, secondary radar systems. This course is not equivalent to courses 40392 or 42058.

Prerequisites: None
And one of the following: None

44317 Digital Defruiter

Training Manager: AMA-450 Course Length: 32 hour(s)

This course provides training for technicians on the Digital Defruiter, Type MX 8757. The course is 100% correspondence study with a final exam. Subjects include functional analysis, including overall system operation, detailed analysis of data flow, schematics, logic diagrams, system alignment, maintenance techniques, and troubleshooting.

Prerequisites: None
And one of the following: 40335, 45309, 45310

44320 Secondary Radar Principles

Training Manager: AMA-450 Course Length: 40 hour(s)

This course provides training for technicians (who plan to attend ATCBI or Mode S training) on beacon systems. The course is 100% correspondence study with six chapters and a supervised final exam. Subjects include radar beacon systems, transmitters and receivers, antennas, transponders, ATCBI problems, and Mode S Beacon System.

Prerequisites: None
And one of the following: None

44321 Microwave Communications Link Principles

Training Manager: AMA-440 Course Length: 120 hour(s)

This course provides training for technicians and engineers on microwave communications link equipment. The course is 100% correspondence study with a final exam. Subjects include an overview of FAA microwave communications link systems; general system concepts and basic block-diagram analysis; principles of microwave communications link operation common to both terminal and repeater facilities, such as amplitude and frequency modulation, single-sideband communications, multiplexing techniques and modulation plans, frequency translation techniques, system performance analysis, and mathematics for microwave communications.

Prerequisites: None
And one of the following: None

44323 Radar Beacon Performance Integral System Monitor

Training Manager: AMA-440 Course Length: 64 hour(s)

This course provides training for technicians on the Radar Beacon Performance Integral System Monitor. The course is 100% correspondence study with a final exam. Subjects include system concepts, interface with beacon systems, system tolerances, control circuits, monitor circuits, system alignment, and performance analysis.

Prerequisites: None
And one of the following: 40339, 45309, 45310

44325 Introduction to Radar Optimization

Training Manager: AMA-450 Course Length: 120 hour(s)

This course provides training for technicians, engineers, and system performance specialists on primary and secondary radar systems.

The course is 100% correspondence study. Subjects include optimization fundamentals related to terminal and en route primary and secondary radar, antenna systems, transponders, and flight check and commissioning inspections. FAA Order 6300.13, Radar System Optimization and Flight Inspection Handbook is used as a primary study manual. Completion of this course is required prior to enrollment in course 40310 as this course serves as the first part of 40310.

Prerequisites: 44320
And one of the following: None

44326 Digital Video Mapper

Training Manager: AMA-450 Course Length: 8 hour(s)

This course provides training for technicians and engineers on the digital video mapper equipment. The course is 100% correspondence study. Subjects include description, components, basic and detailed circuit operation, corrective and preventive maintenance activities, alignments, and system installation.

Prerequisites: None
And one of the following: None

44327 Rms/MPS Interface Computer (Rmic)

Training Manager: AMA-440 Course Length: 8 hour(s)

This course provides training for technicians, engineers, and FAA Technical Center Personnel on the RMIC equipment. The course is 100% correspondence study. Subjects include operation, corrective maintenance procedures, and maintenance procedures.

Prerequisites: 40381
And one of the following: None

44328 Mode S BVR Hardware Maintenance

Training Manager: AMA-450 Course Length: 16 hour(s)

This course provides training for technicians on the Mode S Beacon Video Reconstitutor (BVR). The course is 3 hours self-study w ith 13 hours of computer exercises. Subjects include system operation, functional overview , functional description of site adaptation parameters (SAP), routine check (monitoring system operations), troubleshooting, reacting to failures, restoration after failures, preventive maintenance, diagnostic checks, definitions of messages, fault isolation, verifying program logic devices on boards, changing into and out of the interim beacon interrogator mode (Mode S backup), and ARTS IIA/modes s interface.

Prerequisites: None
And one of the following: 40392, 42058, 88360

44329 ASR-11 Hardware Maintenance

Training Manager: AMA-450 Course Length: 60 hour(s)

This course provides training for technicians, engineers, system performance specialists, FAA Technical Center personnel, and developmental technicians on ASR-11 primary surveillance radar (PSR) and monopulse secondary surveillance radar (MSSR). This course is 100% correspondence study w ith a computer simulation training aid (shipped w ith course materials) and tw o w ritten exams. Subjects include PSR and MSSR theory of operation, block diagram signal flow , monopulse, false target elimination, MTD process, tracking, and troubleshooting. Completion of this course is required prior to enrollment in course 42069 as this course serves as the first part of 42069.

Prerequisites: 42058
And one of the following: None

44330 Air Traffic Control Beacon Interrogator-6 (ATCBI-6)

Training Manager: AMA-450 Course Length: 24 hour(s)

This course provides training for technicians and engineers w ho maintain and repair the ATCBI-6 System. This course is 24 hours correspondence study w ith a computer simulation that is packaged w ith the materials. The course covers basic radar theory, monopulse theory, CMS terminal operation, equipment description, system operation, configuration, and preventive maintenance. Completion of this course is required prior to enrollment in course 42063 as this course serves as the first part of 42063.

Prerequisites: 42058
And one of the following: None

44331 Motorola FT100S Data Service Unit/Channel Service Unit

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides training for installation and maintenance personnel on the Motorola FT100S Data Service Unit/Channel Service Unit (DSU/CSU). The course is 100% correspondence study w ith a final exam. It provides guidelines for implementing a national interface standard that connects the TDWR to the ITWS, using the Motorola FT100S DSU/CSU in conjunction w ith the Microw ave Communications, Inc. (MCI) Lincs T1 Transmission Netw ork. Subjects include functional/physical descriptions of the DSU/CSU, installation procedures, hardw are configuration, option selection, maintenance/troubleshooting procedures, specifications, and a T1 overview on the North America T1 Digital T-Carrier System.

Prerequisites: None
And one of the following: None

44332 Motorola 3261FAST V.34 Modem

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides training for installation and maintenance personnel on the Motorola 3261FAST V.34 MODEM. The course is 100% correspondence study with a final exam. It provides guidelines for implementing a national interface standard connecting the AN/WSR-88 NEXRAD to the ITWS, using the Motorola 3261FAST V.34 Modem in conjunction with the Microwave Communications, Inc. (MCI) Lincs Transmission Network. Subjects include functional/physical descriptions of the Modem, installation/configuration procedures, testing/troubleshooting procedures, interface and cabling pinouts, and specifications.

Prerequisites: None
And one of the following: None

44333 WSP for TRACONs

Training Manager: AMA-450 Course Length: 24 hour(s)

This course provides training for AF technicians, engineers, and technical center personnel on WSP for TRACONs. This course is 24 hours correspondence study with on-site labs and a supervised end-of-course exam. Subjects include system theory of operation, preventive and corrective maintenance actions, and operation of the maintenance display screens.

Prerequisites: 88440, 88441
And one of the following: None

44335 Remote Monitoring and Control (RMC)

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides training on the remote monitoring and control (RMC) equipment. Subjects include a functional description of the equipment, remote monitoring and control (RMC) hardware functions, uninterruptible power supply (UPS) hardware and operations, maintenance data terminal (MDT) operations, and RMC corrective maintenance.

Prerequisites: None
And one of the following: None

44336 TDX 2000 Digitizer

Training Manager: AMA-440 Course Length: 48 hour(s)

This course provides training for airway facilities technicians, engineers, system performance specialists, and Technical Center personnel on the TDX 2000 Sensis Digitizer. The course is 30 hours correspondence study with 18 hours of field conducted laboratory. Correspondence study subjects include equipment theory, operations, configuration, preventive maintenance, corrective maintenance, and other hardware information. Lab subjects include operations, preventive maintenance, corrective maintenance, and troubleshooting.

Prerequisites: 42058
And one of the following: None

44338 NAV Canada - FAA Pseudo Radar Site Equip. Phase 2

Training Manager: AMA-440 Course Length: 6 hour(s)

This course provides an overall description of the equipment, its components, and functions. This course is 100% correspondence study with a final exam at the end of the course that covers the entire course. The course will prepare the AF systems specialist to maintain, troubleshoot and restore the PRP2 remote site equipment to service; as well as to follow the removal and replacement procedures established between NAV Canada and the FAA.

Prerequisites: None
And one of the following: None

44339 STARS for Supervisors

Training Manager: AMA-490 Course Length: 8 hour(s)

This course provides training for NAS managers and supervisors on the STARS. This course is 8 hours correspondence study. Subjects include an introduction to STARS, SOS operation, and support functions. This course includes a final examination. Course materials will be shipped on a CD-ROM.

Prerequisites: None
And one of the following: None

44340 Sony Data Display Monitor (DDM) Maintenance

Training Manager: AMA-490 Course Length: 24 hour(s)

This course is taught as a prerequisite of the STARS maintenance course. This course is 100% correspondence study with a final exam at the end of the course that covers the entire course. This course provides training for airway transportation systems specialists, electronic technicians, engineers, NAS managers, SPS's, FAA Technical Center personnel, and developmental technicians on the Sony DDM.

Prerequisites: None
And one of the following: None

44341 ASDE-3X Hardware Interface

Training Manager: AMA-440 Course Length: 24 hour(s)

This course will provide the student with an overview of the equipment associated with ASDE-3X interface modification. The primary focus of the course will be to introduce student to the status

and control screens used by the RMSI and the MDT. There is a final exam at the end of the course that covers the entire course.

Prerequisites: 40609, 40643, 44320
And one of the following: 42058, 40392

44423 Maintenance Automation System Software (MASS)

Training Manager: AMA-480 Course Length: 32 hour(s)

This course provides training for air transportation systems specialists, engineers, and NAS/NOM personnel who are responsible for monitoring and controlling the National Airspace System hardware through the monitor and control function (MCF) of MASS. The course is 100% correspondence study with practice exercises that use the fielded MASS/MCF software on an MC workstation/MDT connected to an OKC MPS System. Subjects include the MASS environment, monitoring subsystem status, subsystem parameters, remote control actions, and customizing features. Students must have knowledge of Windows 95 to complete the training. They should review the Windows 95 tapes on file at their site.

Prerequisites: None
And one of the following: None

44436 PAMRI Overview for Computer Operators

Training Manager: AMA-470 Course Length: 3 hour(s)

This course provides training for technicians on the Peripheral Adapter Module Replacement Item (PAMRI) system. The course is 100% correspondence study with an open book final exam. Subjects include hardware, software, and functional characteristics. This course is a prerequisite for all PAMRI training courses.

Prerequisites: None
And one of the following: None

44438 Radar Data Acquisition Subsystem (RDAS)

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides training for technicians and engineers on Radar Data Acquisition Subsystem principles (primary radar, secondary radar, Mode S, and digitizers). The course is 100% correspondence study. Subjects include flow of radar data from the radar facility to the ARTCC, including reports from various analysis programs (QARS, EQARS, BFTA, and TDR).

Prerequisites: 47207
And one of the following: None

44439 IBM 6400 Line Matrix Printer

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians, engineers, SPS's, FAA Technical Center personnel, and developmental technicians on the IBM 6400-05P line matrix printer. The course is 100% correspondence study. Subjects include theory of operation, maintenance procedures, diagnostics, and replacement and repair procedures. Students are required to perform exercises in printer setup, adjustment, and replacement/repair. Additional information is given in an addendum for the IBM 6400 P50, and 6400 050 printers.

Prerequisites: None
And one of the following: None

44440 DARC for Technicians, Delta Phase 1

Training Manager: AMA-470 Course Length: 24 hour(s)

This course provides Delta training for technicians on the DARC System, Type FA-9665, Phase 1 Display Processor (DP) replacement. The course is 100% correspondence study. Subjects include DP configuration changes, support console, and maintenance and diagnostic (M&D) changes.

Prerequisites: 43519
And one of the following: None

44441 DARC Software Specialists, Delta Phase 1

Training Manager: AMA-470 Course Length: 24 hour(s)

This course provides Delta training for system performance specialists on the DARC System, Type FA-9665, Phase 1 Display Processor (DP) replacement. The course is 100% correspondence study. Subjects include DP configuration changes, support console, and maintanace and diagnostic (M&D) changes.

Prerequisites: 43520
And one of the following: None

44442 DARC Operations, Delta Phase 1

Training Manager: AMA-470 Course Length: 8 hour(s)

This course provides Delta training for NAS managers on the DARC System, Type FA-9665, Phase 1 display processor (DP) replacement. The course is 100% correspondence study. Subjects include DP configuration changes and support console messages.

Prerequisites: 43006
And one of the following: None

44443 Maintenance Management System for Users

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the Maintenance Management System (MMS). The course is 100% correspondence study. Subjects include using the maintenance terminal and all MMS functions. This course will be available the second quarter of FY-2001.

Prerequisites: None
And one of the following: None

44444 NAS Overview for Control Center Specialists

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides overview training for control center specialists on the equipment and services comprisiing the National Airspace System (NAS). The course is 100% correspondence study. Subjects include overview of equipment located at FAA sites, services, NAS Infrastructure Management System (NIMS), role of control center specialist in NIMS and NAS, typical flight pattern, and future projections for NAS.

Prerequisites: None
And one of the following: None

44445 Integrated Term Weather Sys (ITWS) OPS for AFCC Spec

Training Manager: AMA-480 Course Length: 24 hour(s)

This course is intended for trained AF control center specialists who remotely monitor the National Airspace System (NAS). This 100% correspondence study course trains the specialist to evaluate on-going Integrated Terminal Weather System (ITWS) operations through remote monitoring and minimize NAS impact in the event of ITWS equipment failure. Subjects include system description, system operations, and remote maintenance monitoring information.

Prerequisites: 44423
And one of the following: None

44446 AFCC Website Familiarization

Training Manager: AMA-480 Course Length: 16 hour(s)

The course is for supervisory personnel who will be using the AFCC website to perform callback and site information maintenance procedures. This course is a self-paced correspondence study, consisting of lessons in the student guide and demonstrations on an accompanying CD-ROM. Students will perform hands on lab exercises at an AFCC website console.

Prerequisites: None
And one of the following: None

44447 MDM Re-HOST Delta

Training Manager: AMA-470 Course Length: 16 hour(s)

This course provides delta training for technicians, NAS managers, system performance specialists, and FAA technical personnel on the multiprogramming diagnostic monitor (MDM) and the new DIAG, QARS, and POMM on-line test tools (OLTT) now re-hosted to run under NAS. This course is 16 hours correspondence study with a final examination.

Prerequisites: None
And one of the following: 40426, 43535

44448 HOST M&C Operations for System Personnel

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for AF NAS managers/NOMS and computer operators who have a working knowledge of the current HOST storage subsystem. This course is 40 hours correspondence study with field exercises to provide hands-on familiarity. Subjects include an overview of the disk monitor and control (M&C), operations for M&C, and subsystem management. Satisfactory grade on final examination is required for course completion.

Prerequisites: None
And one of the following: 40420, 43014, 43035, 43037, 43040

44449 HOST M&C for Hardware and SPS Personnel

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for AF technicians (hardware maintenance) who have a working knowledge of the current HOST storage subsystem. This course is 40 hours correspondence study with field exercises to provide hands-on familiarity. Subjects include an overview of the disk monitor and control (M&C) subsystem, operations for M&C, subsystem management, hardware management, fault detection, analysis, and device group isolation. Satisfactory grade on final examination is required for course completion.

Prerequisites: 44448
And one of the following: 43014, 40420, 43035, 43040

44450 HOST M&C for SPS (Software) & AOS-370

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for AF system specialists and AOS-370 personnel who have a working knowledge of the current HOST storage subsystem. This course is 40 hours correspondence study with field exercises to provide hands-on familiarity. Subjects include an overview of monitor and control (M&C), operations for M&C, subsystem management, hardware management, and system administration. Satisfactory grade on final examination is required for course completion.

Prerequisites: 44449
And one of the following: 40420, 43014, 43035, 43040

44451 HOST KVDT Replacement

Training Manager: AMA-470 Course Length: 8 hour(s)

This course is intended for FAA personnel who have a background in the Host Computer System. This course is 100% correspondence study with separate module tests. The replacement for the 3180 KVDT console is a Visara 1883, Visara keyboard and NEC monitor (KVDT). This course is the components, functions, and maintenance of the replacement Visara KVDT.

Prerequisites: None
And one of the following: None

44506 General Maintenance Handbook

Training Manager: AMA-450 Course Length: 40 hour(s)

This course provides proficiency training for developmental technicians on maintenance concepts of the NAS in the FAA. The course is 100% correspondence study with six lessons and no final exam. Subjects include definitions, technical documentation, technical requirements and procedures, use of facility maintenance forms, inspection programs, joint acceptance, flight inspections, service interruptions and restoration, and certification of all FAA facilities and services. There are reading assignments in FAA Order 6000.15C, General Maintenance Handbook for Airway Facilities.

Prerequisites: None
And one of the following: None

44511 Electronic Test Equipment

Training Manager: AMA-420 Course Length: 85 hour(s)

This course provides training for developmental technicians on a wide variety of test equipment. The course is 100% correspondence study with six units and a final exam. Subjects include theory and application of analog and digital meters, oscilloscopes, frequency generation, frequency measurements, and special measuring instruments.

Prerequisites: None
And one of the following: None

44516 Radiation Hazard Theory and Measurement

Training Manager: AMA-450 Course Length: 40 hour(s)

This course provides training for technicians and engineers on radiation measurement procedures. The course is 100% correspondence study. Subjects include electromagnetic radiation characteristics; radiation theory, instrumentation, agency policy and standards; units of measure; ionizing radiation measurements and procedures; hydrogen thyratron operating hazards; pulsed non-ionizing measurements, calculations and procedures; continuous wave (CW) non-ionizing measurement, calculations, and procedures; routine and non-routine measurements; measurement of a radar; and high frequency CW source measurements.

Prerequisites: None
And one of the following: None

44714 Substitute for Knowledge of ESS Concepts/PVE-1000

Training Manager: AMA-430 Course Length: 0 hour(s)

This prerequisite validation examination provides training for technicians on basic knowledge of environmental system support (ESS) concepts. Subjects include DC circuits, batteries, switches, controls, AC circuits, transformers, motors, generators, and rectifiers.

Prerequisites: None
And one of the following: None

44715 ILS Basic Theory

Training Manager: AMA-420 Course Length: 65 hour(s)

This course material prepares technicians for for Course 40283, Theory of ILS. Subjects include Instrument Landing System (ILS) principles, components of a complete ILS, waveforms peculiar to the ILS, and amplitude modulation.

Prerequisites: None
And one of the following: None

44716 Study Material for ILS Markers/PVE-1203

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1203, which is the prerequisite to all resident Instrument Landing System (ILS) marker courses. Subjects include the ILS marker station, marker antenna arrays, and measurements and adjustments.

Prerequisites: None
And one of the following: None

44717 Study Material for ILS Localizers/PVE-1204/1205

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1204/1205. The material is presented in two sections. Subjects include localizer radiation patterns, types of

localizer antennas, radiated modulation components, Manual FV108, and antennas and radiation patterns.

Prerequisites: None
And one of the following: None

44718 Study Material for ILS Glide Slope/PVE-1206/1207

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1206/1207. The material is presented in two sections. Subjects include Instrument Landing System (ILS) glideslope radiation patterns and radiated modulation components.

Prerequisites: None
And one of the following: None

44719 Study Material for Mark 1D Antenna System/PVE-1301

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1301. Subjects include introduction to the LOG periodic antenna and theoretical calculations associated with it.

Prerequisites: None
And one of the following: None

44720 Null Reference Glideslope Antenna System, PVE-1302

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1302. Subjects include introduction to capture effect radiation patterns, amplitude and phase control units, transmitting antennas, and monitoring.

Prerequisites: None
And one of the following: None

44721 Study Material for Capture Effect Glideslope/PVE-1303

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1303. Subjects include an introduction to capture effect radiation patterns, amplitude and phase control unit, transmitting antennas, and monitoring.

Prerequisites: None
And one of the following: None

44722 Sideband Reference Glideslope

Training Manager: AMA-420 Course Length: 35 hour(s)

This field study material provides training on the sideband reference glideslope. Subjects include an introduction to the sideband reference amplitude and phase control unit, transmitting antennas, and monitoring.

Prerequisites: None
And one of the following: None

44723 Study Material for Localizer With APC-TWA/PVE-1305

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material is an introduction to the Localizer Traveling Wave Antenna System, FA-9323 RF network, recombining and monitoring circuitry, and some theoretical calculations for the array. It prepares the student for the prerequisite validation examination (PVE)-1305.

Prerequisites: None
And one of the following: None

44724 Study Material for Localizer With V-Ring/PVE-1306

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material is an introduction to the V-Ring Antenna System. It discusses power distribution, monitoring, and calculations peculiar to the V-Ring Antenna System. It prepares the student for the prerequisite validation examination (PVE)-1306.

Prerequisites: None
And one of the following: None

44725 Study Material for Localizer With ALF 8-Loop/PVE-1307

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material is an introduction to the Alford 8-loop Antenna System, the amplitude and phase control unit, radiation patterns, proximity effects of the 8-loop array, and system adjustments. It prepares the student for the prerequisite validation examination (PVE)-1307.

Prerequisites: None
And one of the following: None

45011 Radiation Hazard

Training Manager: AMA-405 Course Length: 32 hour(s)

The purpose of this training is to cover the requirements of FAA policy for radiation measurements and reporting as outlined in Order 3910.3A. The Office of Spectrum Policy and Management (ASR) and the regional Frequency Management Officers measure radiation levels for existing and new ly commissioned radar. This course provides information about various types of radar used in the National Airspace System and equipment required to perform radiation hazard measurements.

Prerequisites: None
And one of the following: None

45012 ATIS/HIWAS Digital Recorder System

Training Manager: AMA-480 Course Length: 28 hour(s)

This course provides training for technicians on Airport Terminal Information Services (ATIS)/Hazardous In-flight Weather Advisory Service (HIWAS) Digital Recorder System, Type FA-10146. The course is 100% field-conducted training. Subjects include analysis of the channel digital recorders (CDR), monitor and alarm panel (MAP), and remote control unit to the input/output level. Performance exercises are included to develop skills in adjustment procedures, preventive maintenance procedures, and trouble analysis.

Prerequisites: 88440
And one of the following: None

45014 AN/GRT-21/22 and AN/GRR-23/24

Training Manager: AMA-410 Course Length: 50 hour(s)

This course provides training for technicians on VHF and UHF Communications Equipment, Models AN/GRR-23/24 and AN/GRT-21/22. The course is 100% field-conducted training. Subjects include theory of operation, alignment, and performance checks.

Prerequisites: 47504
And one of the following: None

45015 Remote Readout Hygrothermometer, Model 94F/50

Training Manager: AMA-410 Course Length: 80 hour(s)

This course provides training for technicians on the remote readout Hygrothermometer, Type FA-9638. The course is 100% field-conducted lab. Subjects include functional operation, voltage measurements, alignment, and calibration.

Prerequisites: 44416
And one of the following: None

45016 Runway Visual Range (RVR) Eqmt Type FA-7861, Fld-Cdt Lab

Training Manager: AMA-420 Course Length: 16 hour(s)

This course provides training for technicians on the RVR (SSR), Type FA-7861. The course is 100% field-conducted lab. Subject areas include transmissometer, signal data converter, and remote data distribution.

Prerequisites: 40213
And one of the following: None

45017 Direction Finder 5530 and Remoting Equipment 5571/5572

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on DDirection Finder 5530 and Remoting Equipment 5571/5572. The course is 100% field-conducted lab. Subjects include evaluation of the system operation, performing routine maintenance, and troubleshooting. For facilities requiring remoting cables.

Prerequisites: None
And one of the following: None

45018 Radio Frequency Interference (RFI) Resolution

Training Manager: AMA-410 Course Length: 48 hour(s)

This course provides training for technicians on identifying, analyzing, locating, and resolving radio frequency interference (RFI) that could affect the safe operation of communication, navigation, and surveillance facilities in the NAS. The course is 29 hours field lecture and 19 hours field laboratory. Lectures include types of RFI including brute force, intermodulation, image, broadcast TV and radio, and RFI locating techniques. Laboratory includes direction-finding exercises (held outdoors at the Technical Center and surrounding areas) and spectrum analyzer and intermodulation demonstrations. Candidates selected from nominees submitted to and travel/per diem funded by ASR-1.

Prerequisites: None
And one of the following: None

45019 Teledyne Runway Visual Range (RVR)

Training Manager: AMA-420 Course Length: 32 hour(s)

This course provides training for technicians, engineers, and FAA

Technical Center personnel on the runway visual range type 10268/1-6. The course is 12 hours correspondence study and 20 hours on-the-job training (OJT). Subjects include system overview, visibility sensor (VS), ambient light sensor (ALS), current sensors (CS), sensor interface electronics (SIE), data processing unit (DPU), controller displaly (CD) operations, standards and tolerances, and periodic maintenance procedures. Course requires station copy of TI 6560.17 for reference and access to the Teledyne RVR System for the OJT portion of the course.

Prerequisites: None
And one of the following: None

45020 Teledyne RVR Field Conducted Lab

Training Manager: AMA-420 Course Length: 24 hour(s)

This course provides training for airway facilities personnel on the Runway Visual Range, Type 10268/1-6. This course is 24 hours field conducted lab. Subjects include a system overview, visibility sensor (VS), ambient light sensor (ALS), current sensors (CS), sensor interface electronics (SIE), data processing unit (DPU), controller display (CD) operations, standards, and tolerances, and periodic maintenance procedures. Course requires TI 6560.17, 6560.31, and 6990.2 for reference and access to the Teledyne RVR System.

Prerequisites: 44222
And one of the following: None

45021 NEXCOM Multimode Digital Radio (MDR) (Analog) OJT

Training Manager: AMA-410 Course Length: 78 hour(s)

The NEXCOM Multimode Digital Radio (analog)OJT course is currently estimated to be 78 hours in duration, 45 hours of study time and 33 hours of instructional time. The course will be used to acquire proficiency in overall equipment maintenance, operation, adjustment and evaluation, and general issues, safety, and coordination.

Prerequisites: 47020
And one of the following: None

45022 VHF and UHF Transmitters and Receivers OJT

Training Manager: AMA-410 Course Length: 70 hour(s)

This course provides proficiency training on the VHF and UHF communication equipment and facility wiring. Subjects include VHF/UHF receiver and transmitter operations and adjustments, coordination of maintenance activities, certification requirements, radio control equipment (RCE) interfaces, antennas and transmission line measurement procedures and tracing the voice and signal paths using facility wiring drawings. The total course length is 70 hours. This includes 24 hours of student time and 46 hours instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: 47504
And one of the following: None

45023 Digital Voice Recording System (DVRS) OJT

Training Manager: AMA-410 Course Length: 34 hour(s)

This course provides proficiency training for AF technicians and engineers on the Digital Voice Recording System (DVRS). The course is 24 hours of OJT. Subjects include system configuration, system operation, and technical procedures in addition to all required procedures on the DVRS performance exam.

Prerequisites: None
And one of the following: 47014, 48241

45024 Small Tower Voice Switch (STVS) OJT

Training Manager: AMA-410 Course Length: 33 hour(s)

This course provides proficiency training for engineers and technicians on the Small Tower Voice Switch (STVS). The course is 33 hours of OJT, which includes 19 hours student and 14 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: 47507
And one of the following: None

45025 Altimeter Setting Indicator (ASI) OJT

Training Manager: AMA-410 Course Length: 10 hour(s)

This course provides proficiency training for engineers and AF technicians on the ASI. The course is 10 hours of OJT, this includes 6 hours of student plus 4 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: 44015
And one of the following: None

45026 Digital Voice Recorder, Type II (DVR2) OJT

Training Manager: AMA-410 Course Length: 54 hour(s)

This course provides proficiency training for engineers and AF technicians on the Digital Voice Recorder, Type II (DVR2). The course is 53 hours of OJT, this includes 30 hours of student plus 24 hours of instructor time. Subjects include recorder systems checks and reproducer systems checks, to include a description of the power feeds and power distribution throughout the equipment.

Prerequisites: 40045
And one of the following: None

45027 Terminal Voice Switch (TVS), RDVS 3080C, E, F and H OJT

Training Manager: AMA-410 Course Length: 35 hour(s)

This course provides proficiency training for engineers and technicians on the Terminal Voice Sw itch RDVS 3080C, E, F and H. The course is 35 hours of OJT that includes 20 hours of student plus 15 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: None
And one of the following: 40029, 40042

45029 VSCS Hardware Maintenance OJT

Training Manager: AMA-410 Course Length: 70 hour(s)

This course provides proficiency training for engineers and AF technicians in VSCS hardw are maintenance including the VSCS Control System Upgrade (VSCU). The course is 70 hours of OJT, this includes 26 hours of student plus 44 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, prevention maintenance, and troubleshooting.

Prerequisites: 40051, 47506
And one of the following: None

45030 CM-300 Series UHF Radio System OJT

Training Manager: AMA-410 Course Length: 38 hour(s)

This course provides proficiency training for engineers and AF technicians in CM-300 series UHF radio system hardw are maintenance. The course is 38 hours of OJT, this includes 22 hours of student plus 16 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: 47023, 47504, 47506
And one of the following: None

45031 Enhanced Terminal Voice Switch (ETVS) OJT

Training Manager: AMA-410 Course Length: 35 hour(s)

This course provides proficiency training for engineers and AF technicians in ETVS hardw ae maintenance. The course is 35 hours OJT, this includes 19 hours of student plus 16 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: 40041
And one of the following: None

45032 Doppler Direction Finder Equipment (DF/DFI) FA-9964 OJT

Training Manager: AMA-410 Course Length: 20 hour(s)

This course provides proficiency training for engineers and AF technicians on the Doppler Direction Finder (DF/DFI) Model FA-9964. The course includes 7 hours of study time and 13 hours of instructional time. Subjects include equipment maintenance, operation, adjustments, evaluation, flight inspection, and all required procedures for the Doppler Direction Finder Equipment (DF/DFI) examination.

Prerequisites: 40257
And one of the following: None

45103 Lightning and Transient Protection Theory

Training Manager: ANS-600 Course Length: 16 hour(s)

This course provides training for technicians, engineers, and NAS managers on the principles used in designing and installing lightning protection, transient protection, surge protection, and grounding systems for FAA facilities. The course is 100% field-conducted lecture. Subjects include installation and maintenance of appropriate protection systems and resolving problems w ith existing systems.

Prerequisites: None
And one of the following: None

45108 Static Switch Removal and Replacement

Training Manager: AMA-430 Course Length: 4 hour(s)

This course provides training for technicians, engineers, and developmental technicians on the STS-SP-208Y-150/150, Series STS-HD, Static Transfer Sw itch. The course is 10% videotape and 90% field-conducted lab. The videotape demonstrates removal and replacement of a PSCS Series STS-HD, static sw itch in an ASCO-940 enclosure and removal and replacement of cooling/exhaust fans and filters. Lab subjects include removal and replacement of fans and filters, demonstration of removal/replacement of static sw itch, and demonstration of static sw itch operation and diagnostic functions. Required tools include the designated PSCS static sw itch lifting device, torque w rench, and VCR.

Prerequisites: None
And one of the following: None

45110 ARTCC Critical and Essential Power System (ACEPS)

Training Manager: AMA-430 Course Length: 96 hour(s)

This course provides training for airway facilities technicians, engineers, specialists, and FAA Technical Center personnel on the ARTCC Critical and Essential Power System (ACEPS). This course is 96 hours field-conducted laboratory. Subjects include fundamental knowledge and location of ACEPS equipment and components.

Prerequisites: 47112
And one of the following: None

45112 Exide UPS System OJT

Training Manager: AMA-430 Course Length: 58 hour(s)

This course provides proficiency training for AF technicians on the Exide PCS System. The course is 58 hours formal OJT. Subjects include equipment maintenance performance check, operation and adjustment, and description of the power feed, and power distribution throughout the equipment.

Prerequisites: 40149
And one of the following: None

45113 ACEPS OJT

Training Manager: AMA-430 Course Length: 80 hour(s)

This course provides proficiency training for AF technicians on the ACEPS equipment. The course is 80 hours OJT. Subjects include equipment maintenance performance check, operation and adjustment, description of the power feed and power distribution throughout the equipment.

Prerequisites: 40160, 40161, 45110, 47112
And one of the following: None

45114 Critical Redundant Power Distribution System (CRPDS)

Training Manager: AMA-430 Course Length: 232 hour(s)

This course provides training for technicians on how to troubleshoot, maintain, and repair the equipment comprising the Critical Redundant Power Distribution System (CRPDS). Subjects include CRPDS system overview, Kohler engine generators and controls, DEC340 controller, Square D switchgear, Exide BPIII UPS, static automatic transfer switch (SATS), power distribution unit (PDU), Power Monitor and Control System (PMCS) and auxiliary equipment. This training will be approximately 116 hours field lecture and 116 hours field laboratory.

Prerequisites: 88440, 88441
And one of the following: 44111, 44117

45115 PAPI FA-10265, FA-10620, and FA-10147 OJT

Training Manager: AMA-430 Course Length: 37 hour(s)

This course provides proficiency training for AF technicians on the precision approach path indicator (PAPI). The course includes 15 hours of study time and 22 hours of instructional time. Subjects include equipment maintenance, operation, adjustments, evaluation, flight inspection, facility drawings, and all required procedures for the PAPI performance examination.

Prerequisites: None
And one of the following: 44115, 47107

45116 Approach Lighting System W/Flashers (ALSF-2) NBP OJT

Training Manager: AMA-430 Course Length: 85 hour(s)

This course provides proficiency training for AF technicians on the ALSF-2 (NBP) equipment. The course is 85 hours OJT. Subjects include equipment maintenance performance check, operation and adjustment, description of the power feed and power distribution throughout the equipment.

Prerequisites: 40148
And one of the following: None

45117 Approach Lighting System w/Flashers (ALSF-2) Godfrey OJT

Training Manager: AMA-430 Course Length: 78 hour(s)

This course provides proficiency training for AF technicians on the ALSF-2 (Godfrey) equipment. The course is 78 hours OJT. Subjects include equipment maintenance performance check, operation and adjustment, description of the power feed and power distribution throughout the equipment.

Prerequisites: 40135
And one of the following: None

45118 Approach Lighting System w/Flashers (ALSF-2) Airflo OJT

Training Manager: AMA-430 Course Length: 78 hour(s)

This course provides proficiency training for AF technicians on the ALSF-2 (Airflo) equipment. The course is 78 hours OJT. Subjects include equipment maintenance performance check, operation and adjustment, description of the power feed and power distribution throughout the equipment.

Prerequisites: 40136
And one of the following: None

45205 Model 1118 DME Enhanced Remote Maintenance Monitoring

Training Manager: AMA-420 Course Length: 20 hour(s)

This course provides bridge training for technicians and engineers on the ASII Model 1118 Distance Measuring Equipment (DME) w ith enhanced remote maintenance monitoring. The course is 12 hours correspondence study and 8 hours field laboratory. Correspondence study subjects include circuit card overview ; technical description; ERMM computer and interface; installation and checkout; data screens; tests; pow er supply alert limits; and data collection. Field laboratory subjects include adjustments and maintenance procedures. Students w ho have not taken 40278 should enroll in 43800.

Prerequisites: 40278
And one of the following: None

45206 ILS Maintenance Requirements and Procedures

Training Manager: AMA-420 Course Length: 27 hour(s)

This course provides training for personnel on procedures for maintaining and certifying Instrument Landing System (ILS) facilities. The course is 100% field lecture. Subjects include the user's perspective of the ILS, localizer and glideslope requirements and arrays, ILS recordkeeping and maintenance issues, certification concepts and policy, non-directional beacon flight inspection issues, navigation-related test equipment, flight inspection techniques, NASE program, litigation and tort law as related to AF experiences.

Prerequisites: None
And one of the following: None

45207 Mark 20 ILS OJT

Training Manager: AMA-420 Course Length: 120 hour(s)

This course provides proficiency training for AF technicians on the Mark 20 ILS. The course is 120 hours of OJT. Subjects include maintenance and flight inspection requirements and procedures, in addition to all required procedures on the Mark 20 ILS performance exam.

Prerequisites: 40283
And one of the following: None

45208 LLWAS Relocation and Sustainment (LLWAS-RS) OJT

Training Manager: AMA-420 Course Length: 16 hour(s)

This course provides proficiency training for AF technicians on the Low Level Windshear Alert System-Relocation and Sustainment (LLWAS-RS). The course is 16 hours of OJT w hich includes 8 hours of student study time plus 8 hours of instructor time. Subjects include the radio MODEM procedures, remote station procedures, master station procedures, and removal and replacement procedures.

Prerequisites: 40291
And one of the following: None

45209 VHF Omnidirectional Range Transmitter (VOT), Fld Cdt Lab

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for technicians and engineers on Very High Frequency Omnidirectional Range (VOR) Systems (Marconi VOT Type FA-10235). The course is 100% field-conducted lab. Subjects include operations and alignment.

Prerequisites: None
And one of the following: 40276, 40284, 47701

45210 Mk-1F ILS OJT

Training Manager: AMA-420 Course Length: 210 hour(s)

This course provides proficiency training for AF technicians on the mk-1F Instrument Landing System (ILS). The course is 210 hours of on-the-job training (OJT) representing 108 hours of study time and 102 hours of instructional time. Subjects include system/equipment operation and performance, troubleshooting/diagnostic tools/test equipment, equipment maintenance and restoration activities, flight inspection, and facility draw ings.

Prerequisites: 47716
And one of the following: 40233, 40283

45211 Second Generation VOR/DME Maintenance OJT

Training Manager: AMA-420 Course Length: 109 hour(s)

This course provides proficiency training for engineers and AF technicians on the second generation VOR/DME maintenance. The course is 20 hours of OJT, this includes 66 hours of student plus 43 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: 44020, 47701
And one of the following: 40276, 40284, 44215

45212 Non-Directional Beacon (NDB) System OJT

Training Manager: AMA-420 Course Length: 54 hour(s)

This course provides proficiency training for engineers and AF technicians Non-Directional Beacon (NDB) System. The course is 54 hours of OJT, this includes 31 hours of student plus 23 hours of

instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting. The prerequisite for the FA 9589 NDB is course 44218. All other NDB's the prerequisite is course 47504.

Prerequisites: **None**
And one of the following: **44218, 47504**

45213 VHF Omni-Range Test Facility (VOT) OJT

Training Manager: AMA-420 Course Length: 35 hour(s)

This course provides proficiency training for engineers and AF technicians on VHF Omni-range Test (VOT) facility. The course is 35 hours of OJT, this includes 17 hours of student plus 18 hours of instructor time. Subjects include include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: **45209**
And one of the following: **40276, 40284, 47701**

45214 Distance Measuring Equipment (DME) Model 415 SE OJT

Training Manager: AFZ-100 Course Length: 21 hour(s)

This course provides proficiency training for AF technicians on the Distance Measuring Equipment (DME) Model 415 SE. The course includes 8 hours of study time and 13 hours of instructional time. Subjects include equipment maintenance, operation, adjustments, evaluation, flight inspection, and all required procedures for the DME Model 415 SE performance examination.

Prerequisites: **40292**
And one of the following: **None**

45215 Third Generation VOR/DME OJT

Training Manager: AMA-420 Course Length: 65 hour(s)

This course provides proficiency training for AF technicians on the third generation VOR/DME. The course includes 38 hours of study time and 27 hours of instructional time. Subjects include equipment maintenance, operation, adjustments, evaluation, restoration, flight inspection, facility drawings, and all required procedures for the third generation VOR/DME performance examination.

Prerequisites: **40286, 40284**
And one of the following: **None**

45217 2nd Gen VORTAC, VOR, VOR/DME and DVOR Type FA-9996 OJT

Training Manager: AMA-420 Course Length: 114 hour(s)

This course provides proficiency training for engineers and AF technicians on the Second Generation VORTAC, VOR, VOR/DME and Doppler VOR (DVOR). The course is 114 hours of OJT, this includes 68 hours of student plus 46 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, troubleshooting and flight inspection. This course replaces course 45211.

Prerequisites: **None**
And one of the following: **47701, 40261**

45218 Runway Visual Range (RVR) System Teledyne Type FA-10268 OJT

Training Manager: AMA-420 Course Length: 29 hour(s)

This course provides proficiency training for engineers and AF technicians on the Teledyne Runway Visual Range (RVR) System type FA-10268. The course is 29 hours of OJT, this includes 17 hours of student plus 12 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance and troubleshooting.

Prerequisites: **44222, 45020**
And one of the following: **None**

45219 Wide Area Augmentation System (WAAS) OJT

Training Manager: AMA-420 Course Length: 30 hour(s)

This course provides theory training for airway facilities technicians and engineers on the WAAS System. This course is 30 hours. Subjects include an introduction to WAAS, the use of the Interactive Electronic Technical Manual (IETM), a description of WAAS components at all sites including interfaces and purpose of all line replacement units (LRU), and an emphasis on verification, performance, and corrective maintenance procedures for the WAAS System.

Prerequisites: **88440, 88441, 44221**
And one of the following: **40293, 40294, 40295, 40296**

45220 Distance Measuring Equipment (DME) ASII Model 1118 OJT

Training Manager: AMA-420 Course Length: 39 hour(s)

This course provides proficiency training for engineers and technicians on the Distance Measuring Equipment Model ASII 1118. The course is 39 hours of OJT; this includes 24 hours of student plus 15 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, periodic maintenance, and troubleshooting.

Prerequisites: 44215
And one of the following: None

45221 Low Level Windshear Alert System Type FA10239 & FA10240 OJT

Training Manager: AMA-420 Course Length: 37 hour(s)

This course provides proficiency training for engineers and AF technicians on the FA-10239 and FA-10240 Low Level Windshear Alert Systems (LLWAS). The course is 37 hours of OJT; this includes 21 hours of student plus 16 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance and troubleshooting.

Prerequisites: None
And one of the following: 47711, 47713

45222 Instrument Landing System (ILS) Mark 20/20A OJT

Training Manager: AFZ-100 Course Length: 134 hour(s)

This course provides proficiency training for AF technicians on the Mark 20/20A ILS System. The course includes 54 hours of study time and 80 hours of instructional time. Subjects include equipment maintenance, operation, adjustments, evaluation, flight inspection, and all required procedures for the Mark 20/20A performance examination.

Prerequisites: 47717
And one of the following: None

45313 Remote Tower Alphanumeric Display System (RTADS) Hardware

Training Manager: AMA-460 Course Length: 120 hour(s)

This course provides training for technicians on the ARTS IIIA Remote Display Buffer Memory (RBDM). The course is 60 hours field lecture and 60 hours field laboratory w ith a supervised final. Lecture subjects include RDBM theory of operation and interface. Laboratory subjects include diagnostics, operation, and troubleshooting.

Prerequisites: 42027
And one of the following: None

45314 Remote Tower Alphanumeric Display System (RTADS) Software

Training Manager: AMA-460 Course Length: 120 hour(s)

This course provides training for technicians, engineers, and FAA Technical Center personnel on remote display buffer memory (RDBM) softw are. The course is 72 hours field lecture and 48 hours field laboratory. Lecture subjects include system data flow overview , flow diagram analysis of specific RDBM program tasks, interpretation of status and error message processing and printouts, programming techniques for the communications multiplex controller (CMC) and the RDBM, ultra review and interrupt handling, and programming the differences betw een multiplexed display buffer memory (MDBM), and the RDBM. Laboratory subjects include programming the RDBM via CMC. The laboratory is optional.

Prerequisites: None
And one of the following: 41328, 42037

45328 Low Density Radio Communications Link (23GHz)

Training Manager: AMA-440 Course Length: 32 hour(s)

This course provides training for technicians and engineers on the Micronet 23 GHz Radio Model 4248 Low Density Radio Communications Link. The course is 100% field-conducted training. Subjects include Wescom 360-22 D4 digital carrier terminal; microw ave netw orks Micronet 23 GHz digital radio; sw itchmode and Ferro pow er supplies; and annual maintenance, alignment, and operation.

Prerequisites: 44321
And one of the following: None

45331 Airport Surveillance Radar-9 (ASR-9) OJT

Training Manager: AMA-450 Course Length: 167 hour(s)

This course provides proficiency training for AF technicians on the Airport Surveillance Radar-9 (ASR-9). The course is 167 hours OJT. Subjects include the ASR-9 System, Type FA10064, ASR-9 antenna tow er, ASR-9 computer console, and other required procedures on the ASR-9 performance exam.

Prerequisites: None
And one of the following: 40337, 40391

45332 Automated Radar Terminal System (ARTS) IIE OJT

Training Manager: AMA-460 Course Length: 133 hour(s)

This course provides proficiency training for airw ay facilities technicians on the Automated Radar Terminal System (ARTS) IIE. This course is 133 hours OJT. Subjects include acquisition processing cabinet, aural alarm control unit, decoding data acquisition system, code select box, remote control box, interfacility data set, Radar Alphanumeric Display System (RADS), display control processor, and keyboard.

Prerequisites: 42039
And one of the following: None

45334 Terminal Doppler Weather Radar (TDWR) OJT

Training Manager: AMA-440 Course Length: 70 hour(s)

This course provides proficiency training for AF technicians on the Terminal Doppler Weather Radar (TDWR). The course is 70 hours of on-the-job training (OJT). Subjects include system/equipment operation/performance, MDT logon/logoff procedures, system diagnostics, Radar Product Generator, remote maintenance, pow er distribution and emergency pow er procedures, and periodic maintenance.

Prerequisites: 40313
And one of the following: None

45335 ARSR-3 OJT

Training Manager: AMA-440 Course Length: 85 hour(s)

This course provides proficiency training for AF technicians on the Air Route Surveillance Radar (ARSR)-3. The course is 85 hours of on-the-job training (OJT). Subjects include equipment maintenance, operation, adjustment, and evaluation.

Prerequisites: 40388
And one of the following: None

45336 Mode-S OJT

Training Manager: AMA-450 Course Length: 137 hour(s)

This course provides proficiency training for AF technicians on the Mode Select Beacon System (Mode-S). The course is 137 hours of on-the-job training (OJT). Subjects include equipment performance check, operation, and adjustment.

Prerequisites: 40398
And one of the following: None

45337 ASR-8 OJT

Training Manager: AMA-450 Course Length: 87 hour(s)

This course provides proficiency training for AF technicians on the Airport Surveillance Radar-8 (ASR-8). The course is 87 hours of on-the-job training. Subjects include equipment performance check, operation, and adjustment.

Prerequisites: 40333
And one of the following: None

45340 Common Digitizer CD-2A/B/C/D OJT

Training Manager: AMA-440 Course Length: 28 hour(s)

This course provides proficiency training for AF technicians on the Common Digitizer Models CD-A/B/C/D. This course is 28 hours of on-the-job training (OJT). There w ill be approximately 15 hours of study time and approximately 13 hours of instructional time. Subjects include system/equipment operation and performance.

Prerequisites: 43549
And one of the following: None

45341 ATCBI-6 OJT

Training Manager: AMA-450 Course Length: 30 hour(s)

This course provides proficiency training for airw ay facilities technicians on the ATCBI-6. This course is 30 hours of on-the-job training (OJT). Subjects include: technical documentation and general requirements; general operations; performance checks (transmitter, receiver, antenna, signal processor, control and monitor system, and the monopulse remote site monitor); troubleshooting and removal/replacement procedures; and appropriate test equipment.

Prerequisites: 42063, 44330
And one of the following: None

45342 ARSR-4 OJT

Training Manager: AMA-440 Course Length: 135 hour(s)

This course provides proficiency training for AF technicians on the Air Route Surveillance Radar-4 (ARSR-4). The course includes 82 hours of study time and 53 hours of instructional time. Subjects include equipment maintenance, operation, adjustments, evalution and all required procedures for the ARSR-4 performance examination.

Prerequisites: 40408
And one of the following: None

45343 Direct Access Radar Channel (DARC) OJT

Training Manager: AMA-470 Course Length: 37 hour(s)

This course provides proficiency training for AF technicians on the Direct Access Radar Channel (DARC). The course is 37 hours of OJT w hich includes 20 hours of student study time plus 17 hours of instructor time. Subjects include system familiarization, IOT/LP PC operational maintenance procedures, magnetic tape unit, functional system checkout, and system operations.

Prerequisites: 43519
And one of the following: None

45344 ARTS-IIIA OJT

Training Manager: AMA-460 Course Length: 199 hour(s)

This course provides proficiency training for AF technicians on the

Automated Radar Terminal System, ARTS-IIIA. The course includes 81 hours of study time and 118 hours of instructional time. Subjects include equipment maintenance, operation, adjustments, evaluation and all required procedures for the ARTS-IIIA performance examination.

Prerequisites: 42027
And one of the following: 42035, 42051

45345 Micro-EARTS Remote Display Maintenance

Training Manager: AMA-460 Course Length: 40 hour(s)

This course provides training on Micro-EARTS remote display maintenance for airway facilities technicians, engineers, and FAA Technical Center personnel. This course is 27 hours field lecture and 13 hours field lab. Lecture includes an introduction to the MEARTS, principles and modes of operation, hardware interfaces, inputs/outputs, system documentation, RCW hardware, display presentation, keyboard entries, RCS software structure and scripts, maintenance routines, certification, and removal and replacement. Lab includes system introduction and familiarization, X-Windows/Solaris and script usage, RCW maintenance and certification routines, and RCW LRU removal, replacement and configuration.

Prerequisites: None
And one of the following: None

45346 Full Service STARS ATSS Maintenance

Training Manager: AMA-490 Course Length: 56 hour(s)

This course provides training for qualified system specialists on the STARS Automation System used in terminal radar approach control facilities. The course is 88 hours field conducted lecture. Lecture subjects include an introduction to the system, system operation, Sony monitor, and system components.

Prerequisites: 88440, 88441
And one of the following: 12751, 40423

45347 Full Service STARS ATSS Maintenance (Lab)

Training Manager: AMA-490 Course Length: 144 hour(s)

This course provides training for qualified system specialists on the STARS Automation System. This course is 152 hours of field-conducted laboratory and is to be taken following course 45346. Laboratory subjects include hands-on learning and detailed component and system troubleshooting.

Prerequisites: 45346
And one of the following: None

45348 Air Traffic Control Beacon Interrogator-5 (ATCBI-5) OJT

Training Manager: AMA-440 Course Length: 56 hour(s)

This course provides proficiency training for engineers and AF technicians on the air traffic control beacon interrogator ATCBI-5. The course is 56 hours of OJT, this includes 34 hours of student plus 22 hours of instructor time. Subjects include transmitter alignment and performance, receiver alignment and performance, operation and alignment of control and transfer unit and remote control head, line driver unit and line compensator unit, digital defruiter alignment and performance, antenna performance checks, power/signal distribution, and emergency power procedures.

Prerequisites: 47706
And one of the following: None

45349 Standard Terminal Automation Replacement System (STARS) OJT

Training Manager: AFZ-100 Course Length: 102 hour(s)

This course provides proficiency training for engineers and AF technicians on the Standard Terminal Automation Replacement System (STARS). The course is currently estimated to be 102 hours of OJT which includes 60 hours of student time plus 42 hours of instructor time. Subjects include identification of the STARS components, initial tasks, full service level (FSL) performance and maintenance tasks, emergency service level (ESL) performance and maintenance tasks, site support LAN tasks, terminal controller workstation (TCW) checks and adjustments, tower display workstation (TDW) checks and adjustments, system operation, and system security tasks.

Prerequisites: 42071
And one of the following: None

45350 TDWR System With RPG Upgrade OJT

Training Manager: AMA-440 Course Length: 70 hour(s)

This course provides proficiency training for AF technicians on the Terminal Doppler Weather Radar (TDWR). The course is 70 hours of on-the-job training (OJT). Subjects include system/equipment operation/performance, MDT logon/logoff procedures, system diagnostics, radar product generator, remote maintenance, power distribution and emergency power procedures, and periodic maintenance.

Prerequisites: 40313
And one of the following: None

45351 Weather System Processor (WSP) OJT

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides proficiency training for engineers and AF technicians on the Weather System Processor (WSP). The course is

24 hours of OJT, which includes 13 hours of student study time plus 11 hours of instruction time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: 40611
And one of the following: None

45352 DBRITE OJT

Training Manager: AMA-460 Course Length: 33 hour(s)

This course provides proficiency training for technicians and engineers on the DBRITE System. The course is 33 hours, this includes 18 hours of student plus 15 hours of instruction time. Subjects include safety, system operation, test equipment set up, system interface, facility coordination, and periodic manitenance.

Prerequisites: 40373
And one of the following: None

45356 Radio Communications Link (RCL) System OJT

Training Manager: AMA-440 Course Length: 50 hour(s)

This course provides proficiency training on the RCL System. This course is 50 hours of on-the-job training (OJT) representing 30 hours of study time and 20 hours of instructional time. Subjects include equipment maintenance, operation, adjustment, and evaluation on power plant, microwave radio system, multiplexing system, channel bank procedures, microwave modem, and ACORN System.

Prerequisites: 40340
And one of the following: None

45357 Asde-3 Collocated With AMASS OJT

Training Manager: AMA-440 Course Length: 120 hour(s)

This course provides proficiency training for engineers and AF technicians on the Airport Surface Detection Equipment (ASDE)-3 with Airport Movement Area Safety System (AMASS) and Terminal ARTS Interface Unit (TAIU). There are 120 hours OJT and includes 50 hours student plus 70 hours instructor time. Subjects include ASDE-3 System status, transmitter/receiver and display subsystem alignment and performance, RMIC and antenna system checks, as well as, AMASS/TAIU System status, system operation, performance checks, and power/signal distribution.

Prerequisites: 40609
And one of the following: None

45358 Airport Surface Detection Equipment (ASDE) Model X OJT

Training Manager: AMA-440 Course Length: 43 hour(s)

This course provides proficiency training for engineers and AF technicians on the Airport Surface Detection Equipment (ASDE) Model X. The course is 43 hours of OJT and includes 16 hours of student plus 27 hours of instructor time. Subjects include ASDE-X System health, troubleshooting, software verification, primary detection (SMR) and secondary detection (MLAT) maintenance, SMR fixed target and MLAT fixed target verification and display subsystem performance.

Prerequisites: 48356
And one of the following: None

45359 Micro-EARTS NEXIS Hardware/Software Delta

Training Manager: AMA-460 Course Length: 24 hour(s)

This course provides on-site training for techs, engineers, SPSS, and AOS personnel on the MEARTS NEXIS hardware equipment and software function. The course is 12 hours lecture and 12 hours laboratory. Lecture includes MEARTS DAS and NEXIS overviews including sys interface cabling; system theory of operation and functional capabilities; NEXIS OP system and OP software; installation and configuration of Sys hardware and software; NEXIS and APUP initialization and shutdown; creating and editing .ini files; use of operational, status, and configuration graphical user interfaces (GUI) to view status, products, and log data; use of support and configuration tools; perform radar/client disconnect and troubleshooting.

Prerequisites: 40607
And one of the following: None

45360 Airport Surveillance Radar (ASR)-11 OJT

Training Manager: AMA-450 Course Length: 120 hour(s)

This course provides proficiency training for AF technicians on Airport Surveillance Radar (ASR)-11. The course is 120 hours of OJT which includes 50 hours of study time and 70 hours of instructional time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, periodic maintenance, and all required procedures for the ASR-11 examination.

Prerequisites: 42069
And one of the following: None

45411 Weather Message Switching Center Replacement (WMSCR)

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides training for technicians on the operational software program for the WMSCR System. The course consists of 12 hours field lecture and 12 hours field laboratory. Lecture and laboratory subjects include writing, debugging and executing programs, updating and modifying adaptation parameters, and

executing maintenance and diagnostic programs.

Prerequisites: 88440, 44415
And one of the following: None

45412 Weather Message Switching Center Replacement(WMSCR) Hardware

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides training for technicians on the WMSCR System. The course consists of 20 hours field lecture and 20 hours field laboratory. Lecture subjects include system theory of operation, fault diagnosis and isolation, and system performance analysis. Laboratory subjects include system analysis, fault diagnosis, troubleshooting procedures, and routine checks and adjustments.

Prerequisites: 88440
And one of the following: None

45413 WMSCR for Operators

Training Manager: AMA-480 Course Length: 120 hour(s)

This course provides training for network operations personnel assigned to monitor and control the network for the WMSCR System. The course is 60 hours field lecture and 60 hours field laboratory. Subjects include network interconnections between WMSCR, NADIN 1 MSN, NADIN II PSN (packet switching network), AWP (aviation weather processor), and end-user equipment; system menus and network control functions; network monitoring tools; system troubleshooting (network control, not physical equipment); system control (shutdown/startup, application loading, database structures); and weather data collection, breakdown, storage, assembly, and distribution.

Prerequisites: None
And one of the following: None

45415 Simplified Automated Logging (SAL) Field-Conducted Lab

Training Manager: AMA-480 Course Length: 36 hour(s)

This course provides training for technicians, engineers, system performance specialists, NAS managers, and air traffic control specialists on SAL, used with the Tandem Himalaya RISC processor and maintenance diagnostic terminal (MDT). SAL is a Windows-based automated logging tool for recording and reviewing maintenance activities, which uses data from the Maintenance Management Software (MMS) Databases stored on the Maintenance Processing System (MPS). The course is 100% field-conducted lab. Subjects include introduction to SAL, SAL basics, recording SAL entries, using SAL entry tools and reviewing SAL entries and tools for advanced users.

Prerequisites: None
And one of the following: None

45419 FDIO 3 PC-RCU Maintenance, Field Conducted Lab

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides training for technicians on the FDIO 3 PC-RCU equipment. The course is 100% field-conducted lab. Subjects include operation, configuration, performance check, and fault isolation.

Prerequisites: None
And one of the following: 44013, 44020

45420 NADIN PSN Network Control Center (NCC) Operator, FldCdt Lab

Training Manager: AMA-480 Course Length: 48 hour(s)

This course provides training for technicians and computer operators on the NADIN Packet Switch Network. The course is 100% field-conducted lab. Subjects include simulated operations, control, and configuration and reconfiguration of network components.

Prerequisites: 43027
And one of the following: None

45421 FDIO ATCT Hardware Maintenance Field-Conducted Lab

Training Manager: AMA-480 Course Length: 32 hour(s)

This course provides training for technicians on FDIO ATCT equipment manufactured by Wespercorp. The course is 100% field-conducted lab. Subjects include basic concepts, configuration, block diagram level data flow, diagnostics, and troubleshooting. A 386 personal computer with Windows 3.1 or higher is required to take this course.

Prerequisites: None
And one of the following: None

45425 Aviation Weather Processor (AWP)

Training Manager: AMA-480 Course Length: 80 hour(s)

This course provides training for system performance specialists on the Aviation Weather Processor System. The course is 40 hours field lecture and 40 hours field lab. Lecture subjects include procedures to operate and maintain the AWP system in support of the Flight Service Automation System and its Model-1 full capacity systems. Laboratory subjects include operation, maintenance, performing software loads, and starting/stopping the AWP system.

Prerequisites: None
And one of the following: None

45426 DSR Computer Operator

Training Manager: AMA-470 Course Length: 32 hour(s)

This course provides training for computer operators on the Display System Replacement (DSR). The course is 16 hours correspondence study and 16 hours field-conducted lab. Correspondence study subjects include system overview , tape management, RISC-6000 processor startup and operation, tape drives, printers, terminals, and flight strip printer control unit. OJT subjects include hands-on activities w ith a Lockheed Martin site support team at the ARTCC. A graded exam ends the course.

Prerequisites: None
And one of the following: None

45429 FDIO for ARTCC's Field-Conducted Lab

Training Manager: AMA-480 Course Length: 20 hour(s)

This course provides training for technicians and engineers on the Flight Data Input/Output (FDIO) for Air Route Traffic Control Centers (ARTCC's). The course is 100% field-conducted lab. Subjects include system overview , CCU, pow er distribution, pow er up, front panel operation, GPI/GPO, MBCC assembly, LAN assembly, and troubleshooting.

Prerequisites: None
And one of the following: None

45432 Display System Replacement (DSR) OJT

Training Manager: AMA-470 Course Length: 192 hour(s)

This course provides proficiency training for AF technicians on the Display System Replacement (DSR). The course is 192 hours OJT. Subjects include the console test bench (CTB), printer control unit (PCU), DSR support equipment, DSR rack mounted support processors, DSR control room hardw are, DSR local communications netw ork (LCN), DSR LCN rack-mounted processors, DSR backup communication netw ork (bcn), and DSR BCN rack-mounted processors in addition to all required procedures on the DSR performance exam.

Prerequisites: None
And one of the following: 40441, 43556, 48244

45433 Aviation Weather Processor (AWP) Field Conducted Lab

Training Manager: AMA-480 Course Length: 57 hour(s)

This course provides proficiency training for AF technicians on the Aviation Weather Processor (AWP). The course is 57 hours of field conducted lab. Subjects include AWP System familiarization, AWP w eather edits, and AWP System control.

Prerequisites: None
And one of the following: None

45435 Stand Alone Weather Sensors (SAWS) System OJT

Training Manager: AMA-480 Course Length: 22 hour(s)

This course provides proficiency training for AF technicians on the Stand Alone Weather Sensors (SAWS) System. The course is 22 hours of OJT. Subjects include system configuration, system operation, technical procedures, system malfunctions, and troubleshooting, in addition to all required procedures on the SAWS performance exam.

Prerequisites: 40428
And one of the following: None

45436 Integrated Terminal Weather System (ITWS) OJT

Training Manager: AMA-480 Course Length: 16 hour(s)

This course provides proficiency training for AF technicians in the Integrated Terminal Weather System (ITWS). The course is 16 hours OJT w hich includes 8 hours of student study time and 8 hours of instructor time. Subjects include the product generator (PG), situation display (SD), and the test tool (TT).

Prerequisites: 40621
And one of the following: None

45438 CCCH System, FAA HOCSR-Only OJT

Training Manager: AMA-470 Course Length: 16 hour(s)

This course provides on-the-job training (OJT) for technicians, NAS/NOM personnel, systems performance specialists, and developmental technicians on the Central Computer Complex HOST (CCCH) System, FAA HOST and Oceanic Computer System Replacement (HOCSR) Phase 3 - only. This training w ill prepare the student to operate HOCSR Phase 3 equipment, to run server diagnostics, to isolate, checkout, reintroduce, configurate/reconfigurate the equipment, and system administration. This OJT course is 16 hours w hich includes 8 hours of study time and 8 hours of instructional time.

Prerequisites: 40420, 40426, 40434, 40435, 40436
And one of the following: None

45439 ACE-IDS Hardware Maintenance OJT

Training Manager: AFZ-100 Course Length: 16 hour(s)

This course provides proficiency training for engineers and AF technicians on the ASOS Controller Equipment Information Display System (ACE-IDS). The course is 16 hours of OJT, which includes 6 hours of student and 10 hours of instructor time. Subjects include: identify and locate ACE-IDS System, data, power and interface connections; identify and perform system power-down and power-up procedures; operate network monitoring software and perform network troubleshooting; perform preventative maintenance procedures; identify removal, replacement, and setup procedures.

Prerequisites: 40439
And one of the following: None

45440 ATIS/TWEB/HIWAS/AAIU (FA-10012 and FA-10146) OJT

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides proficiency training for engineers and technicians on ATIS/TWEB/HIWAS/AAIU (FA-10012 and FA-10146). The course is 24 hours of OJT, this includes 12 hours of student plus 12 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: None
And one of the following: 44024, 47504

45441 Automated Weather Observing System (AWOS) OJT

Training Manager: AMA-480 Course Length: 35 hour(s)

This course provides proficiency training for engineers and AF technicians on the Automated Weather Observing System (AWOS) facility. The course is 35 hours of OJT, this includes 17 hours of student plus 18 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: None
And one of the following: 40431, 88439

45442 Operational & Supportability Implementation Sys (OASIS) OJT

Training Manager: AMA-480 Course Length: 49 hour(s)

This course provides proficiency training for engineers and AF technicians on the AFSS OASIS facility. The course is 49 hours, which includes 29 hours of student plus 20 hours of instructor time. Subjects include OASIS FDS, VW, LCN, AFSSWS and OAWS interface, preventive maintenance, and troubleshooting.

Prerequisites: 48274
And one of the following: None

45443 ACE-IDS Remote Workstation (OJT)

Training Manager: AFZ-100 Course Length: 8 hour(s)

This course provides proficiency training for engineers and AF technicians on the ASOS Controller Equipment Information Display System (ACE-ISD) remote workstation. The course is 8 hours of OJT, this includes 2.5 hours of student plus 5.5 hours of instructor time. Subjects include identify and locate ACE-IDS remote workstation, data, power and interface connections; identify and workstation system power-down and power-up procedures; operate network monitoring software; perform preventative maintenance procedures; identify removal, replacement and setup procedures.

Prerequisites: 40442
And one of the following: None

45444 En Route Communications Gateway (ECG) OJT

Training Manager: AFZ-100 Course Length: 30 hour(s)

This course provides proficiency training for technicians on the Enroute Communications Gateway (ECG) System. The course is 30 hours of OJT that includes 10 hours student plus 20 hours of instructor time. Student will perform operational and maintenance requirements for ECG System, to include a description of power distribution throughout the ECG System.

Prerequisites: None
And one of the following: 49272, 49273, 40447, 40448, 40449

45445 Automated Weather Sensor System (AWSS) OJT

Training Manager: AMA-480 Course Length: 18 hour(s)

This course provides proficiency training for engineers and AF technicians in AWSS hardware maintenance. The course is 18 hours of OJT, this includes 6 hours of student plus 12 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, and troubleshooting.

Prerequisites: 40429
And one of the following: None

45446 HOST Oceanic Computer System Replacement (HOCSR) OJT

Training Manager: AMA-470 Course Length: 125 hour(s)

This course provides proficiency training for specialist on the HOCSR. The course includes 84 hours of study time and 41 hours of instructional time. Subjects include equipment maintenance, operation, evaluation, facility drawings, and all required procedures for the HOCSR performance examination.

Prerequisites: 40420, 40426
And one of the following: None

45447 User Request Evaluation Tool (URET) OJT

Training Manager: AMA-470 Course Length: 66 hour(s)

This course provides proficiency training for engineers and technicians on the user request evaluation tool (URET). This course is 66 hours of OJT; this includes 34 hours of student plus 32 hours of instructor time. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, periodic maintenance, and troubleshooting.

Prerequisites: 40445
And one of the following: None

45510 Orientation and Safety

Training Manager: AMA-405 Course Length: 36 hour(s)

This course provides training for technicians on orientation and safety. The course is 100% field-conducted training. Subjects include fire and personnel safety, emergency first aid, basic maintenance procedures, common facility records and forms, parts procurement, directives system, certification program, training and career development, and accident notification procedures.

Prerequisites: None
And one of the following: None

45515 Increasing NAS Knowledge (INK), FAA Order 6000.15

Training Manager: AMA-405 Course Length: 16 hour(s)

This course provides training for all AF personnel on the General Maintenance Handbook for Airway Facilities, FAA Order 6000.15. Subject areas include: general maintenance philosophy; organizational information; certification procedures (Tort law and litigation); maintenance requirements (technical documentation and logging practices); coordination requirements (periodic maintenance, scheduling, aircraft accident, and inspections); and protection of government property and personnel. The primary purpose is to increase NAS knowledge by covering topics in the general maintenance handbook for AF, which will provide employees with an understanding of their roles and responsibilities as define

Prerequisites: None
And one of the following: None

45516 Instructor Training (TTT) Increasing NAS Knowledge

Training Manager: AMA-405 Course Length: 80 hour(s)

This train-the-trainer course is for potential FAA Ink instructors who will be delivering this training at various field sites. The course consists of formal classroom instruction, workshop sessions, and practice teaching exercises. Content includes a complete overview of the teaching materials for the Ink course, instructor techniques for effective communications, facilitating discussions, using media, and how to use course lesson plans for effective training sessions. Emphasis is placed upon each student's effectiveness in performing the final practice teaching exercise, which will be critiqued by the instructors. Upon completion, instructors will be qualified to conduct course 45515.

Prerequisites: 44506
And one of the following: 10501, 10520

45518 Associate Certified Electronics Technician (AST)

Training Manager: AMA-405 Course Length: 2 hour(s)

This course number has been established to document satisfactory completion of the associate certified electronics technician (AST) examination.

Prerequisites: None
And one of the following: None

46045 AN/GRN-29 ILS

Training Manager: AMA-405 Course Length: 216 hour(s)

This course is for personnel responsible for the organization and intermediate maintenance of the Solid-State Instrument Landing System II (SSILS II), AN/GRN-29(V).

Prerequisites: None
And one of the following: 40233, 40283

46048 Model 40 ARTS II Teletype-Tempest

Training Manager: AMA-405 Course Length: 160 hour(s)

This course provides training for technicians on the Model 40 Data Terminal. Subjects include application of teletypewriter transmission principles and signaling techniques, circuit and machine function characteristics, use of technical publications, equipment testing, troubleshooting, and maintenance procedures; use of maintenance tools and test equipment; and operation of a CPU, maintenance of CRT display monitor, printers, cassette drive storage units, and external interfacing.

Prerequisites: None
And one of the following: None

46049 Tempest Design Engineer

Training Manager: AMA-405 Course Length: 80 hour(s)

This course provides training for design and engineering personnel covering requirements of the NCAIM 5203. Subjects include methods for engineering systems to prevent negating the Tempest feature of any communication type equipment, and general Tempest information.

Prerequisites: None
And one of the following: None

46060 AN/FRN-45 Tactical Air Navigation (TACAN)

Training Manager: AMA-405 Course Length: 152 hour(s)

This course provides training for technicians on AN/FRN-45 TACAN. Lectures and laboratory exercises cover functional TACAN/DME (Distance Measuring Equipment) operations; station block diagrams; analysis of digital computers, radio frequency amplifiers, transponders, monitors, pow er supplies, antennas, DME receivers, and control indicators (RCU); and system troubleshooting.

Prerequisites: 40276
And one of the following: None

46071 Open Radar Product Generator (WSR-88D)

Training Manager: AMA-405 Course Length: 48 hour(s)

The course objective is to provide the skills required to perform operation and maintenance of the ORPG system. This includes familiarization w ith the Sun microsystems Ultra SPARC 5 & 10 w orkstations, Cisco sw itches and routers, APC UPS, and PTI communications server. Students w ill learn to 'boot up' the stations, sign on and initiate all softw are applications necessary for the proper operation of the system. The course w ill explain the interconnections of the system as w ell as the maintenance philosophy. Students w ill learn how to load all softw are on the systems and perform softw are backup tasks utilizing the available backup media. Fault isolation w ill be practiced along w ith configuration.

Prerequisites: 46068
And one of the following: None

46072 Radar Evaluation for Optimization

Training Manager: AMA-405 Course Length: 168 hour(s)

This course is for ATSS w ho are responsible for optimizing long-range radar systems. Test and evaluation principles of modern long-range surveillance systems including optimization and performance analysis, prefield activities, infield performance analysis and postfield debrief and quick look. Basic math includes scientific and engineering notation, logarithms, quadratic equations, pythagorean theorem, sine and cosine, hexadecimal numbering system, and constructing a DBM conversion chart. Basic radar includes concepts, elements of beacon, target position, radiation patterns, detection range, coverage prediction, and radiation hazards.

Prerequisites: None
And one of the following: 40383, 40388, 40398, 40399, 40408

46073 AN/FRN-45 TACAN

Training Manager: AMA-405 Course Length: 64 hour(s)

This course covers system analysis to include radiation pattern development, system block diagrams, performance measurements, circuit assembly alignements, and a concentration on system operational evaluations in making value judgements associated w ith certifications responsibilities. This course is 25 percent lecture and 75 percent laboratory,

Prerequisites: None
And one of the following: None

46504 DOD - TSEC/KG-84(A)(C) Limited Maintenance

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training for technicians on the KG-84 equipment to provide the national security agency certification. Subjects include identification and replacement of malfunctioning plug-in components, equipment operation checks, adjustments, COMSEC, Tempest, and safety.

Prerequisites: 44416
And one of the following: None

46505 FAA/Air Force Radar Replacement CI-13 Remote Rekey System

Training Manager: AMA-405 Course Length: 16 hour(s)

This course provides training for radar personnel responsible for maintenance of the Department of Defense (DOD) CI-13 Rekeying System. Subjects covered include purpose and function of the master control unit, remote control unit, ancillary equipment, system-level troubleshooting and restoring procedures, and individual equipment troubleshooting and restoring procedures.

Prerequisites: 40408
And one of the following: None

47008 (CBI) Second Generation VORTAC System Overview

Training Manager: AMA-420 Course Length: 20 hour(s)

This course provides training for technicians on the VOR/DME/TACAN, Type FA-9996. The course is 100% computer-based instruction (CBI). Subjects include purpose of VOR/TACAN, interface to NAS, block diagram analysis, location and function of VORTAC subsystems, assemblies, and subassemblies, RMM interface to RMC-F to AF work center.

Prerequisites: 40276
And one of the following: None

47011 (CBI) Solid State Radar Beacon Decoder (SSRBD)

Training Manager: AMA-440 Course Length: 16 hour(s)

This course provides training for technicians on the SSRBD equipment. The course is 100% computer-based instruction (CBI). Subjects include system concepts, control circuits, and line replaceable units.

Prerequisites: 88440
And one of the following: 40335, 47706, 45310, 40398, 44320

47012 (CBI) Introduction to Telecommunication

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians and engineers on FAA-owned and vendor-provided telecommunication facilities and equipment. The course is 100% computer-based instruction (CBI). Subjects include central office operations, T1 transmission concepts, accessing networks, types of networks, transmission facilities, termination, line testing equipment, and future telecommunications. The course emphasizes industry terminology needed to communicate and coordinate with outside vendors.

Prerequisites: None
And one of the following: None

47014 (CBI) Digital Voice Recording System (DVRS)

Training Manager: AMA-410 Course Length: 24 hour(s)

This course provides training for technicians on the DVRS to the LRU level. The course is 9 hours correspondence study, 15 hours computer-based exercises (CBE), and a computer-based final exam. Subjects include overview and operation, system configuration, preventive and corrective maintenance procedures, diagnostic error codes, and use of program documentation.

Prerequisites: 88440
And one of the following: None

47015 (CBI) VTABS Database Operator

Training Manager: AMA-410 Course Length: 10 hour(s)

This course provides training on the VSCS Training and Backup System (VTABS), Type 10500, for ARTCC technicians, engineers, and SPS's; FAA Technical Center personnel; and air traffic control specialists (using air traffic course number). The course is 100% computer-based instruction (CBI). Subjects include system introduction, system overview, VTABS workstation, database management operations, system monitor and control subsystem. A VTABS CBI platform (provided by VSCS program office per implementation schedule) is required. Also required are VTABS system operations manuals and master instructor data entry operator/supervisor manuals.

Prerequisites: None
And one of the following: 40272, 40273, 48171, 48172

47016 (CBI) VTABS Master Instructor/Supervisor System Overview

Training Manager: AMA-410 Course Length: 13 hour(s)

This course provides training on the VSCS Training and Backup System (VTABS), Type 10500 for ARTCC technicians, engineers, and NAS managers; FAA Tech Center personnel; and air traffic supervisory personnel (using air traffic course number). The course is 100% computer-based instruction (CBI). Subjects include system introduction, system overview, VTABS workstation, cutover switch subsystem, system monitor and control subsystem. A VTABS CBI platform (provided by VSCS program office per implementation schedule) is required. Also required are VTABS system operations manuals and master instructor data entry operator/supervisor manuals.

Prerequisites: None
And one of the following: 40289, 49242

47018 (CBI) Recovery Communications System (RCOM) Operator

Training Manager: AMA-410 Course Length: 20 hour(s)

This course provides training for technicians and engineers who are Recovery Communications (RCOM) System operators. The course is 12 hours of self-study and 8 hours of computer-based instruction (CBI). Self study subjects include system purpose and function of system components. CBI subjects include system startup and shutdown, alarms/alerts, and system operation.

Prerequisites: None
And one of the following: None

47019 (CBI) Recovery Communications System (RCOM) Maintenance

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians and engineers who will maintain the Recovery Communications (RCOM) System. The course is 24 hours of self-study and 16 hours of computer-based instruction (CBI). Self-study subjects include system purpose, function of system components, and fault isolation. CBI subjects include system startup and shutdown, alarms/alerts, system operation, and fault isolation procedures.

Prerequisites: None
And one of the following: None

47020 (CBI) Nexcom Multimode Digital Radio (Analog)

Training Manager: AMA-410 Course Length: 16 hour(s)

This course provides training for air traffic system specialists on the NEXCOM Multimode Digital Radio (MDR), analog mode. This course is 16 hours of computer-based instruction (CBI) self-study. The CBI and self-study include the installation, operation, maintenance, and troubleshooting of the NEXCOM MDR (analog) VHF transmitters, receivers, and cavity filters.

Prerequisites: None
And one of the following: None

47021 (CBI) Centralized Maintenance System (CMS) for RCE

Training Manager: AMA-410 Course Length: 24 hour(s)

This course provides training for technicians and specialists on the Centralized Maintenance System (CMS) for the radio control equipment (RCE). The course is 24 hours computer-based instruction. Subjects include hardware and software configuration, menus and Windows navigation, system administration and maintenance, network building and addressing, user interface operations, fault isolation, and simulated exercises.

Prerequisites: 47506
And one of the following: None

47022 (CBI) VCSU System Overview Delta

Training Manager: AMA-410 Course Length: 8 hour(s)

This course provides training for NAS managers for the VSCS Control Subsystem Upgrade (VCSU) of the Voice Switching and Control System (VSCS). The course is 100% computer-based instruction. The scope of the subject matter is changes to the VSCS as a result of the VCSU implementation. Subjects include system architecture and workstation operations. No student guide is provided with this course. The final exam is closed book.

Prerequisites: None
And one of the following: 40289, 49242

47023 (CBI) CM-300 UHF Series Radio System

Training Manager: AMA-410 Course Length: 8 hour(s)

This course provides training for AF technicians and engineers on the UHF series radio system. This course is 8 hours CBI with final exam. It covers transmitters, receivers, and cavity filters. Subjects include theory of operations, installation, configuration and maintenance.

Prerequisites: 47504
And one of the following: None

47099 (CBI) Site Administrator Orientation

Training Manager: AMA-405 Course Length: 16 hour(s)

This course provides training for CBI site administrators. The course is 100% computer-based instruction (CBI). The course includes basic introductory lessons for first-time CYBER-based Instructional System (CYBIS) users. Subjects include management files and step-by-step procedures to maintain site CYBIS groups, student enrollment, ordering course materials, grade inspection, graded curriculums, ECC, RSITEA, writing notes, and obtaining graded exam passwords. No graded exams.

Prerequisites: None
And one of the following: None

47100 (CBI) Radar Remote Weather Display System (RRWDS) Digitizer

Training Manager: AMA-440 Course Length: 9 hour(s)

This course provides refresher/proficiency training for technicians and engineers on the RRWDS digitizer. The course is 100% computer-based instruction (CBI) with four modules. Subjects include preventive maintenance and troubleshooting procedures with three modules for monthly, quarterly, and semiannual preventive maintenance tasks. A fourth module checks proficiency in simulated troubleshooting with built-in test equipment (BITE) and modem tests and adjustments.

Prerequisites: None
And one of the following: 40379, 47302

47101 (CBI) RRWDS Processor Display

Training Manager: AMA-440 Course Length: 17 hour(s)

This course provides refresher/proficiency training for technicians and engineers on the Radar Remote Weather Display System (RRWDS) processor display. The course is 100% computer-based instruction (CBI) with four modules. Subjects include preventive maintenance and troubleshooting procedures with three modules that provide a refresher in monthly, quarterly, and semiannual preventive maintenance tasks. A fourth module checks proficiency in simulated troubleshooting with built-in test equipment (BITE) and modem tests and adjustments.

Prerequisites: None
And one of the following: 40380, 47304

47102 (CBI) Type I ICSS

Training Manager: AMA-410 Course Length: 12 hour(s)

This course provides refresher/proficiency training for technicians and engineers on the Model 400 Integrated Communications Switching System (ICSS), Type I. The course is 100% computer-based instruction (CBI). Subjects include functional analysis using system block diagrams, periodic maintenance using a simulator generated system and simulated test equipment, and corrective maintenance using a simulated malfunctioning Type I ICSS and simulated test equipment.

Prerequisites: 40023
And one of the following: None

47105 (CBI) Exide Uninterruptible Power Supply (UPS)

Training Manager: AMA-430 Course Length: 16 hour(s)

This course provides refresher/proficiency training for technicians on the Exide UPS. The course is 100% computer-based instruction (CBI). Subjects include a review of the Exide UPS, operating procedures, performance maintenance procedures, and trouble analysis procedures.

Prerequisites: 40149
And one of the following: None

47107 (CBI/MM) Precision Approach Path Indicator

Training Manager: AMA-430 Course Length: 30 hour(s)

This course provides training for technicians on the PAPI with RMS, Type FA-10265. This course also satisfies training required for the NBP PAPI/RMS, Type FA-10620. The course is 18 hours computer-based instruction (CBI) and 12 hours field-conducted lab. CBI and ATA subjects include PAPI configuration, PCA cabinet, IHA cabinet and components, aiming instrument set, and RMS. Lab subjects include PCA and IHA cabinets, lamps out, current adjustment, IHA alignments, RMS, and troubleshooting.

Prerequisites: None
And one of the following: 44111, 47600, 44117

47108 (CBI) Air Route Surveillance Radar (ARSR)-1/2 SSR/DMTI Sys

Training Manager: AMA-440 Course Length: 18 hour(s)

This course provides refresher/proficiency training for technicians on the ARSR-1/2 Solid-State Receiver (SSR)/Digital Moving Target Indicator (DMTI) System. The course is 100% computer-based instruction (CBI). Subjects include functional overview, preventive maintenance tasks, block-diagram overview, simulation of preventive maintenance, troubleshooting, and corrective maintenance adjustments, and practice to proficiency in simulated troubleshooting.

Prerequisites: 40383
And one of the following: None

47109 (CBI/MM) Remote Radio Control System (RRCS)

Training Manager: AMA-430 Course Length: 30 hour(s)

This course provides training for technicians on the New Bedford Panoramex RRCS, Type FA-10266. The course is 100% self-study text with computer-based exercises and computer-based final exam. Subjects include switch assembly cabinet, encoder interface unit, transmitter, receiver, decoder, and corrective maintenance.

Prerequisites: None
And one of the following: None

47110 (CBI) ERMS for MCC Specialists

Training Manager: AMA-430 Course Length: 4 hour(s)

This course provides training for MCC specialists on the Environmental Remote Monitoring Subsystem (ERMS) used by FAA to monitor environmental data at the FAA facilities where mandatory ERMS has been installed. The course is 100% CBI. Subjects include an ERMS overview, environmental monitoring overview, introduction to maintenance automation system software (MASS), introduction to direct monitor and control software (DMCS), and remote operation.

Prerequisites: 44423
And one of the following: None

47111 (CBI) ERME for Technicians

Training Manager: AMA-430 Course Length: 6 hour(s)

This course provides training for technicians on the Environmental Remote Monitoring Subsystem (ERMS) used by FAA to monitor environmental data at the FAA facilities where mandatory ERMS has been installed. The course is 100% CBI. Subjects include ERMS assemblies and subassemblies, installation and operation of opto software, configuration of the MDT, local site configuration and calibration, site verification, and troubleshooting remote operations.

Prerequisites: 44423
And one of the following: None

47112 (CBI) ARTCC Critical and Essential Power System (ACEPS)

Training Manager: AMA-430 Course Length: 24 hour(s)

This course provides training for airway facilities technicians, engineers, specialists, and Technical Center personnel on the ARTCC Critical and Essential Power System (ACEPS). This course is 24 hours computer-based instruction with an end-of-course examination. Subjects include equipment location, function, and operational characteristics.

Prerequisites: None
And one of the following: 44111, 44117

47202 (CBI) ARMS for ILS FA-10166

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the Airport Remote Monitoring System (ARMS). The course is 100% computer-based instruction (CBI) with advanced training aids (ATA's). Subjects include periodic maintenance checks, alignment, fault diagnosis, use of input/output terminal for ILS monitoring system verification, and theory of operation. Practical exercises (ATA's) develop proficiency on the above topics. ATA's, general test equipment, and computer terminal are required to configure, troubleshoot, and repair the following subsystems: Link Control Unit, Remote Monitoring Subsystem, and the battery charger power supply. ATA's are downloadable from the CD ROM.

Prerequisites: 88440
And one of the following: None

47203 (CBI) ARTS Operations for MCC Specialists

Training Manager: AMA-480 Course Length: 6 hour(s)

This course provides breadth training for NAS managers on the functional operational characteristics of the Automated Radar Terminal System (ARTS). The course is 100% computer-based instruction (CBI). Subjects include subsystem overview, basic terminology, and certification and reporting requirements.

Prerequisites: None
And one of the following: None

47206 (CBI) Communications Operations for MCC

Training Manager: AMA-480 Course Length: 16 hour(s)

This course provides breadth training for NAS managers on the functional operational characteristics of communications systems (VSCS, RCAG, BUEC, RCO, RTR, RCE, STVS). The course is 100% computer-based instruction (CBI). Subjects include the primary subsystems, RMM capabilities, diagnostic and restoration procedures, and certification and reporting requirements.

Prerequisites: None
And one of the following: None

47207 (CBI) Radar Operations for MCC Specialists

Training Manager: AMA-480 Course Length: 52 hour(s)

This course provides breadth training for NAS operations managers/area specialists on the functional operational characteristics of the ASR, ARSR, ATCBI, Mode-S, ASDE, and TDWR radar systems. The course is 100% CBI. Subjects include primary radar subsystems, RMM capabilities unique to specific radar systems, diagnostic and restoration procedures, and certification reporting requirements. There are 9 exams. The first exam must be completed to receive credit. Students must enroll and complete the specific course for radar systems they are responsible for (see list). Additional courses should be based on monitoring and control responsibilities. (List: 47305/6/7/8/9/10/11 and 47208)

Prerequisites: None
And one of the following: None

47208 (CBI) Lighting Aids and Environmental Systems for MCC

Training Manager: AMA-480 Course Length: 6 hour(s)

This course provides breadth training for NAS managers on the functional and operational characteristics of the various lighting aids (MALSR, ALSF, VASI, PAPI, REILS, ODALS, LDIN) and environmental systems (PCSS, CCMS, and E/GS). The course is 100% computer-based instruction. Subjects include the primary subsystems, RMM capabilities, diagnostic and restoration procedures, and certification and reporting requirements.

Prerequisites: None
And one of the following: None

47210 (CBI) ILS Procedures

Training Manager: AMA-420 Course Length: 24 hour(s)

This course provides training for technicians and engineers who maintain the ILS. This course is 24 hours computer-based instruction. Subjects include general maintenance concepts, evolution of ILS maintenance, flight inspections and tolerances, periodic maintenance activities, reference flight inspection, periodic flight inspection, periodic-with-monitors flight inspection, and documenting reference and traceable parameters.

Prerequisites: None
And one of the following: 40233, 40283

47211 (CBI) ARSR-4 Operations for AFCC Specialists

Training Manager: AMA-480 Course Length: 12 hour(s)

This course provides training for AF technicians and engineers on the ARSR-4 System. The course is 100% computer-based instruction (CBI). Subjects include ARSR-4 subsystem overview , RMM capabilities, diagnostic and restoration procedures, and certification and reporting requirements.

Prerequisites: None
And one of the following: None

47212 (CBI) ILS Operations for AFCC Specialists

Training Manager: AMA-480 Course Length: 12 hour(s)

This course provides training for AF technicians and engineers on the functional operational characteristics of Instrument Landing Systems (ILS). The course is 100% computer-based instruction (CBI). Subjects include ILS subsystems, RMM capabilities, diagnostic and restoration procedures, and certification and reporting requirements.

Prerequisites: None
And one of the following: None

47213 (CBI) VORTAC Operations for AFCC Specialists

Training Manager: AMA-480 Course Length: 17 hour(s)

This course provides training for technicians and engineers on the VORTAC System. The course is 100% computer-based instruction (CBI). Subjects include subsystem overview , RMM capabilities, diagnostic and restoration procedures, and certification and reporting requirements. Only technicians w ho w ill perform certification from remote locations (e.g. OCCS/SOCS) and have not held VORTAC certification are required to complete prerequisite course 40284.

Prerequisites: 40284
And one of the following: None

47302 (CBI) RRWDS-Digitizer

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides training for technicians, engineers, and developmental technicians on the Radar Remote Weather Display System (RRWDS) digitizer, Type FAA-9901/1/2/3. The course is 100% computer-based instruction (CBI) w ith advanced training aids (ATA's), and a supervised final. CBI subjects include the radar interface, video processing, communication system, and built-in test equipment. The ATA's include operation, routine maintenance, adjustments, and troubleshooting.

Prerequisites: None
And one of the following: 40392, 42058, 88360

47304 (CBI) RRWDS-Processor/Display

Training Manager: AMA-440 Course Length: 40 hour(s)

This course provides training for technicians, engineers, and developmental technicians on the Radar Remote Weather Display System (RRWDS) processor/display, Type FAA-9901/6/7. The course is 100% computer-based instruction (CBI) w ith advanced training aids (ATA's). CBI subjects include the processing unit, refresh-memory system, color generator, character generator, sw eep deflection, and convergence. The ATA's include operation, routine maintenance, adjustments, and troubleshooting.

Prerequisites: None
And one of the following: 40392, 42058, 88360

47307 (CBI) ARSR-3 Exam for MCC Specialists

Training Manager: AMA-480 Course Length: 1 hour(s)

This exam is based upon the information provided in Course 47207, (CBI) Radar Operations for MCC Specialists. This exam consists of five questions w hich cover the ARSR-3 subsystems, monitoring, commands, cautions, and restrictions.

Prerequisites: 47207
And one of the following: None

47308 (CBI) Mode-S Exam for MCC Specialists

Training Manager: AMA-480 Course Length: 1 hour(s)

This exam is based upon the information provided in Course 47207, (CBI) Radar Operations for MCC Specialists. This exam consists of five questions that cover the Mode-S Subsystems, monitoring, commands, diagnosis, cautions, and restrictions.

Prerequisites: 47207
And one of the following: None

47309 (CBI) Beacon Equipment (ATCBI-3/4/5) Exam for MCC

Training Manager: AMA-480 Course Length: 1 hour(s)

This exam is based upon the information provided in Course 47207, (CBI) Radar Operations for MCC Specialists. This exam consists of five questions w hich cover the ATCBI-3/4/5 subsystems, monitoring, commands, and cautions and restrictions.

Prerequisites: 47207
And one of the following: None

47310 (CBI) ARSR-4 Exam for MCC Specialists

Training Manager: AMA-480 Course Length: 1 hour(s)

This exam is based upon the information provided in Course 47207, (CBI) Radar Operations for MCC Specialists. This exam consists of five questions which cover the ARSR-4 subsystems, monitoring, commands, and cautions and restrictions.

Prerequisites: 47207
And one of the following: None

47313 (CBI) Beacon Only Site RMMS (BOS RMMS)

Training Manager: AMA-440 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the Beacon Only Site Remote Maintenance Monitoring System (BOS RMMS). This course is 100% computer-based instruction (CBI). Subjects include system overview, theory of operation, operating procedures, corrective and preventive maintenance procedures, and in-depth troubleshooting analysis.

Prerequisites: 44323, 47706
And one of the following: None

47314 (CBI) BERMS Hardware

Training Manager: AMA-440 Course Length: 40 hour(s)

This course provides training for technicians on the BERMS, an additional system for ARSR-4 sites. The course is 100% computer-based instruction (CBI). Subjects include system operation, preventive maintenance, corrective maintenance system analysis, and system restoration. Students who have completed course 40408, 47706, or 44323 must take BERMS as a stand-alone CBI course.

Prerequisites: None
And one of the following: 40408, 47706, 47313, 44323

47315 (CBI) STARS Technical On-Site Representatives (TOR)

Training Manager: AMA-405 Course Length: 12 hour(s)

This course provides training for ANI personnel on the STARS System, the roles and responsibilities of the technical on-site representative (TOR), FAA Order 6030.45A, contractor acceptance inspection, and joint acceptance inspection. This course does not have a paper-based student guide.

Prerequisites: None
And one of the following: None

47316 (CBI) Introduction to Windows NT

Training Manager: AMA-460 Course Length: 20 hour(s)

This course provides training for technicians, engineers, computer operators, and developmental technicians on the use of the Windows NT operating system set up on a 486dx2/66 Mhz computer with mouse, 16Mb RAM, 2xcd-ROM, monitor with 256 colors, 640x480 resolution (800x600 recommended), and optional sound card with speakers or headphones. The course is 100% computer-based instruction (CBI). Subjects include Windows NT overview; managing accounts and groups; files, printing, and networking interoperability; Windows NT server administration; and troubleshooting, optimization, and maintenance. Students are required to complete disk one (1) only.

Prerequisites: None
And one of the following: None

47317 (CBI) TAIU-S AF Maintenance Training

Training Manager: AMA-440 Course Length: 11 hour(s)

This course provides training for technicians, developmental technicians, and system performance specialists on the TAIU-s. The course is 11 hours CBI and includes a final exam. Subjects include system overview; system interfaces; operational screens and controls; startup/shutdown procedures; radar channel selection; software installation; parameter changes; copy log files; periodic maintenance; troubleshooting; fault isolation; and corrective maintenance.

Prerequisites: None
And one of the following: None

47401 (CBI/MM) Tower Data Link Services (TDLS)

Training Manager: AMA-480 Course Length: 8 hour(s)

This course provides training for technicians and engineers on the TDLS automation equipment. The course is 7 hours correspondence study and 1 hour computer-based exercises with a supervised final. Correspondence study subjects include description, function, distribution, facility/class code and staffing standards, certification requirements, TDLS operations, maintenance, troubleshooting, and restoration to operational status. This course is for localities that still have legacy TDLS Systems installed. Course 40422 is for localities currently installing the new TDLS Aystem.

Prerequisites: None
And one of the following: None

47406 (CBI) Codex/Motorola 9800 NMS

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians, engineers, and system performance specialists on the Codex/Motorola 9800 NMS. The course is 100% computer-based instruction (CBI). Subjects include building a data multiplexing network, operating the network, and maintaining the network.

Prerequisites: 47411
And one of the following: None

47407 (CBI) Type I/II Statistical Multiplexer Maintenance

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians on the statistical multiplexers, Types DCX 808, DCX 816, DCX 832, and DCX 844. The course is 100% CBI. Subjects include: initializing and accessing DCX devices; utilizing controls, menus and indicators; configuring channel and ARQ-link parameters; monitoring DCX devices; and performing diagnostic testing and fault isolation procedures.

Prerequisites: None
And one of the following: None

47408 (CBI) Type III Statistical Multiplexer Maintenance

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians on the statistical multiplexers, type DCX 840 and DCX 850. The course is 100% CBI. Subjects include determining location and function of all cards and subassemblies; strapping and configuring DCX cards; constructing device and channel maps; configuring the USO, NCAM, and monitor cards to operate the DCX 850; and performing diagnostic testing and fault isolation procedures.

Prerequisites: 47407
And one of the following: None

47410 (CBI) HID/NAS/LAN E-Com Monitor

Training Manager: AMA-480 Course Length: 3 hour(s)

This course provides training for technicians and NAS managers on the Host Interface Device/National Airspace System/Local Area Network (HID/NAS/LAN) E-com monitor. The course is 100% computer-based instruction. Subjects include components of the HID/NAS/LAN system, system data flow, and use of the E-com monitor to view and change Netview configurations.

Prerequisites: None
And one of the following: None

47411 (CBI) Data Telecommunications for ARTCC's

Training Manager: AMA-470 Course Length: 56 hour(s)

This course provides training for technicians on the Codex 6250 DNM, 2185 bridge, and Codex 3600 modem. The course is 100% computer-based instruction (CBI). Subjects include general theory, Codex 3600 modem operation, Codex 6250 digital network multiplexer, Olektron A/B switch, and Olektron clock box.

Prerequisites: None
And one of the following: None

47412 (CBI) Data Telecommunications for Remote Sites

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians on the Codex 3600 modem and 2185 digital bridge. The course is 100% computer-based instruction (CBI). Subjects include general communications theory, 3600 Codex modem operation, and 2185 digital bridge operation.

Prerequisites: None
And one of the following: None

47413 (CBI) Data Telecommunications for Long Range Radar

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians on the Codex 3600 modem, 2185 digital bridge, and clock box. The course is 100% computer-based instruction (CBI). Subjects include general communications theory, 3600 Codex modem operation, 2185 digital bridge operation, and clock box operation and maintenance.

Prerequisites: None
And one of the following: None

47414 (CBI) Data Telecommunications for Large Remote Sites

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians on the Codex 3600 modem, 2185 bridge, and A/B switch. The course is 100% computer-based instruction (CBI). Subjects include general communications theory, Hadex 4000 patch panel, Codex 3600 operation, and Olektron A/B switch operation and maintenance.

Prerequisites: None
And one of the following: None

47415 (CBI) Traffic Flow Management Infrastructure (TFMI)

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians, engineers, and FAA Technical Center personnel on ETMS Model HP-C360 equipment. The course is 20 hours self-study text with 20 hours computer-based

exercises (CBE). Self-study subjects include system overview, workstation user environment, UNIX, monitor, keyboard, trackball, tape drive, troubleshooting, and fault isolation procedures. CBE subjects include login, files and directories, basic commands, HP tools, workstation/file-server basics, addresses, diagnostic commands, troubleshooting, and fault isolation.

Prerequisites: None
And one of the following: None

47418 (CBI/MM) HOCSR System Architecture for Computer Operators

Training Manager: AMA-470 Course Length: 10 hour(s)

This course provides training for computer operators on the new IBM Model 9672 (G3) Mainframe System 390 architecture for the NAS. Course is 5.5 hours self-study text and 2.5 hours computer-based exercises (CBE) with a supervised open-book final exam (2 hours). The course covers operational changes to NAS due to Phase II of the HOST Oceanic Computer System Replacement (HOCSR) program. Subjects include changes to the documentation; software system overview; new, modified, and deleted monitor four-letter messages; and solicited/unsolicited output messages.

Prerequisites: 40420
And one of the following: None

47420 (CBI/MM) HOCSR System Architecture for System Specialists

Training Manager: AMA-470 Course Length: 16 hour(s)

This course provides training for system specialists on the new IBM Model 9672 (G3) Mainframe System 390 architecture for the NAS. The course is 10.5 hours self-study text and 3.5 hours computer-based exercises (CBE) with a supervised open-book final exam (2 hours). The course covers operational changes to NAS due to Phase II of the HOST Oceanic Computer System Replacement (HOCSR) program. Subjects include changes to the documentation; software system overview; hardware system overvie; new, modified, and deleted monitor four-letter messages; and solicited/unsolicited output messages; ACES; compool tables; and Deltas between System 370 and 390 architecture and instruction sets.

Prerequisites: 40420, 43021
And one of the following: None

47421 (CBI/MM) HOCSR System Architecture for NAS/NOM

Training Manager: AMA-470 Course Length: 14 hour(s)

This course provides training for NAS managers on the new IBM Model 9672 (G3) Mainframe System 390 architecture for the NAS. Course is 8.5 hours self-study text and 3.5 hours computer-based exercises (CBE's) with supervised open-book final exam (2 hours). The course covers operational changes to NAS due to Phase II of the HOST Oceanic Computer System Replacement (HOCSR) program. Subjects include changes to the documentation; software system overview; hardware system overview; new, modified, and deleted monitor four-letter messages; and solicited/unsolicited output messages; ACES; and compool tables.

Prerequisites: 40420
And one of the following: 43040, 43014, 43535

47422 (CBI) Teledyne RVR for AFCC Specialists

Training Manager: AMA-480 Course Length: 5 hour(s)

This course provides training for AFCC specialists on the Runway Visual Range (RVR) Teledyne Model 10628. The course is 100% computer-based instruction. Subjects include RVR principles, RVR subsystem components, monitoring and intereactions, and activities necessary to manage RVR alarms.

Prerequisites: None
And one of the following: None

47423 (CBI/MM) Oceanic S/390 Architecture for Software Specialists

Training Manager: AMA-470 Course Length: 14 hour(s)

This course provides training for oceanic systems specialists and Technical Center personnel on the IBM Model 9672 (G3) Mainframe System 390 architecture for the NAS. The course is 9 hours self-study text and 3 hours computer-based exercises (CBE) with a 2-hour supervised open-book CBI final exam. The course covers operational changes to the Oceanic System due to Phase II of the HOCSR program. Subjects include changes to the documentation; H/W and S/W system overview; new, modified, and deleted monitor four-letter messages; solicited/unsolicited output messages; ACES records; compool tables; and support software Deltas between Phase II enroute and Phase II Oceanic Systems.

Prerequisites: 48309, 47420
And one of the following: None

47424 (CBI/MM) Oceanic S/390 Architecture for System Operations

Training Manager: AMA-470 Course Length: 10 hour(s)

This course provdies training for Oceanic System NAS/NOMS, hardware technicians, and computer operators on the IBM Model 9672 (G3) Mainframe System 390 architecture for the NAS. The course is 6 hours self-study text and 2 hours computer-based exercises (CBE) with a 2-hour supervised open-book CBI final exam. The course covers operational changes to the Oceanic System due to Phase II of the hocsr program. Subjects include changes to the documentation; hardware and software system overview; new, modified, and deleted monitor four-letter messages; solicited/unsolicited output messages;

and support software Deltas between Phase II en route and Phase II oceanic systems.

Prerequisites: 48310
And one of the following: 47418, 47419, 47421

47425 (CBI) CTAS Remote Site Maintenance

Training Manager: AMA-480 Course Length: 8 hour(s)

This course provides training for technicians and engineers who remotely maintain the Center TRACON Automation System (CTAS). The course is 8 hours computer-based instruction (CBI). Subjects include CTAS configuration, operation, and monitoring; remote system access; monitoring the Traffic Aanagement Advisor (TMA) System remotely; remote fault isolation; and periodic system maintenaance.

Prerequisites: 88440, 88441
And one of the following: None

47426 (CBI) Teledyne RVR Remote Operations for AF Specialists

Training Manager: AMA-480 Course Length: 3 hour(s)

This course provides training for field specialists on the Runway Visual Range (RVR) Teledyne Model 10628 remote operations. The course is 100% computer-based instruction. Subjects include RVR monitoring and interaction via the MCF and activities necessary to manage RVR alarms.

Prerequisites: 44423
And one of the following: 40279, 45019, 48179

47429 (CBI) Weather Radar Systems Operations for AFCC Specialists

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides information for the AFCC specialist who is responsible for weather radar systems operation. This course is 24 hours computer-based instruction. Subjects include TDWR and NEXRAD equipment status/availability, TDWR and NEXRAD periodic maintenance, control of the TDWR and NEXRAD (reconfigure, reset, restore, etc.), TDWR and NEXRAD IMCS/MASS screen navigation and interpretation, and given data points and commands, students will relate the TDWR and NEXRAD system block diagram to the IMCS/MASS.

Prerequisites: 47207
And one of the following: None

47430 (CBI) Term Serveillance RDR Sys OPS for AFCC Specialists

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides information for the AFCC specialist who is responsible for terminal surveillance radar systems operation. This course is 24 hours computer-based instruction. Subjects include ASR-7/8/9 equipment status/availability, ASR-7/8/9 periodic maintenance, control of the ASR-7/8/9 (reconfigure, reset, restore, etc.), ASR-7/8/9 IMCS/MASS screen navigation and interpretation, andgiven data points and commands, students will relate the ASR-7/8/9 system block diagram to the IMCS/MASS.

Prerequisites: 47207
And one of the following: None

47431 (CBI) Mode-S Operations for AFCC Specialists

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides information for the AFCC specialist who is responsible for Mode-S operations. This course is 24 hours computer-based instruction. Subjects include Mode-S equipment status/availability, Mode-S periodic maintenance, control of the Mode-S (reconfigure, reset, restore, etc.), Mode-S IMCS/MASS screen navigation and interpretation, and given data points and commands, students will relate the Mode-S system block diagram to the IMCS/MASS.

Prerequisites: 47207
And one of the following: None

47432 (CBI) NIMS Event Management System for NAS

Training Manager: AMA-480 Course Length: 32 hour(s)

This course is 30 hours correspondence study with lab exercises and a 2-hour CBI final exam. It teaches the use of NAS Infrastructure Management System (NIMS) Event Management System (EMS) application to manage, report, & track NAS events. Subjects include opening a call ticket; create, resolve & review tickets; schedule, retrieve & document periodic maintenance activities; manage administrative events & resources; generate reports; & NIMS mobile application. The course provides info for mgrs, staff, coordinators, team leads, & specialists at the NOCC, OCC, SOC, SSC, & work center locations supporting NIMS EMS. Familiarity with current version of FAA Orders 6000.15, 6000.48 & 6040.15 recommended.

Prerequisites: None
And one of the following: None

47433 (CBI) ARSR-3 Operations for AFCC Specialists

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides information for the AFCc specialist who is responsible for ARSR-3 operations. This course is 24 hours computer-based instruction. Subjects include ARSR-3 equipment status/availability, ARSR-3 periodic maintenance, control of the ARSR-

3 (reconfigure, reset, restore, etc.), ARSR-3 IMCS/MASS screen navigation and interpretation, and given data points and commands, students will relate the ARSR-3 system block diagram to the IMCS/MASS.

Prerequisites: 47207
And one of the following: None

47434 (CBI) ARSR 1/2 Operations for AFCC Specialists

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides information for the afcc specialist who is responsible for ARSR 1/2 operations. This course is 24 hours computer-based instruction. Subjects include ARSR 1/2 equipment status/availability, ARSR 1/2 periodic maintenance, control of the ARSR 1/2 (reconfigure, reset, restore, etc.), ARSR 1/2 IMCS/MASS screen navigation and interpretation, and given data points and commands, students will relate the ARSR 1/2 system block diagram to the IMCS/MASS.

Prerequisites: 47207
And one of the following: None

47435 (CBI) FPS Operations for AFCC Specialists

Training Manager: AMA-480 Course Length: 24 hour(s)

This course provides information for the AFCC specialist who is responsible for FPS operations. This course is 24 hours computer-based instruction. Subjects include FPS equipment status/availability, FPS periodic maintenance, control of the FPS (reconfigure, reset, restore, etc.), FPS IMCS/MASS screen navigation and interpretation, and given data points and commands, students will relate the FPS system block diagram to the IMCS/MASS.

Prerequisites: 47207
And one of the following: None

47436 (CBI) D-Position Processor Upgrade Monitor and Control

Training Manager: AMA-470 Course Length: 4 hour(s)

This course provides training for DSR M&C operators and ATSS who monitor and control, replace and repair the upgraded D-Position processors. This course covers the changes to the M&C position graphical interface as a result of the D-Position upgrade, the control room maintenance concepts and the removal and replacement of the new processors LRUs. Instruction is also provided on the new procedures to backup and restore the new processors software. There is a final exam at the end of the course that covers the entire course.

Prerequisites: 47437
And one of the following: None

47437 (CBI) URET System Management

Training Manager: AMA-470 Course Length: 8 hour(s)

This CBI course is intended for those requiring a general knowledge of the URET System. Subjects include operational concepts, system architecture, and software design. URET System management concepts included are resolving processor, network, external interfaces, and software applications problems. This course also includes a final examination.

Prerequisites: None
And one of the following: 49304, 43557, 45426

47438 (CBI) ECG Overview

Training Manager: AMA-470 Course Length: 7 hour(s)

This 7-hour CBI course provides system-oriented training that addresses the operational aspects of the ECG hardware and software configurations. A detailed overview of ECG is included covering the PAMRI/ECG differences, ECG equipment and software, Host Computer System (HCS)/ECG System interfaces and an ECG transition module. The transition module includes tasks that address the switch forward and fallback between PAMRI and ECG.

Prerequisites: None
And one of the following: None

47439 (CBI) D-Position Upgrade Maintenance and Support

Training Manager: AMA-470 Course Length: 12 hour(s)

This course is 4 hrs CBI & 8 hrs field lab. The CBI portion provides training for DSR M&C oprs & ATSS who monitor & ctrl, replace & repair upgraded d-position processors. Also covers changes to M&C position graphical interface as a result of D-Position upgrade, the ctrl room maint concepts & removal & replacement of new processors LRUs. Instruction provided on the new procedures to backup & restore the new processors software. The lab portion provides hands on training for ATSS who remove, replace & repair upgraded D-Position processors. Also covers the ctrl room maint concepts & removal & replacement of new processors LRUs. Also provides the new procedures to backup & restore new processors software. Final exam

Prerequisites: None
And one of the following: 40445, 40446

47440 (CBI) ECG/DARC Overview

Training Manager: AMA-470 Course Length: 4 hour(s)

This course is for technicians, NAS managers, SPSS, and technical center personnel on the ECG/DARC equipment/eBUS software. The course covers DARC replacement including goals and system overview, functions and capabilities, components and interfaces to NAS, transition to/from old DARC M&C, system validation, operation of continuous data recording (CDR), system messages, and EQARS messages and reports. Final exam covers entire course.

Prerequisites: None
And one of the following: 40447, 40448, 40449

47500 (CBI) Back-Up Emergency Communications (BUEC) Remote-Site

Training Manager: AMA-410 Course Length: 64 hour(s)

This course provides training for technicians on BUEC Transceivers and Control Systems, Types FA-8190 and FA-8191. The course is 56 hours computer-based instruction (CBI) and 8 hours of field-conducted on-the-job training (OJT). CBI subjects include introduction, control equipment, BUEC transmitter, and BUEC receiver. OJT subjects include coordination of maintenance activities with ATC, BUEC transmitter alignment and performance checks, and BUEC receiver alignment and performance checks.

Prerequisites: None
And one of the following: None

47501 (CBI) Back-Up Emergency Communications-ARTCC

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the BUEC Transmitter and Receiver, Remote Control Group, Types FA-8190, FA-8191, FA-8192, FA-8193, and FA-8194. The course is 32 hours of computer-based instruction (CBI) and 8 hours of field-conducted on-the-job training (OJT). CBI subjects include introduction, control equipment, BUEC transmitter, BUEC receiver, and remote control group. OJT subjects include coordination of maintenance activities with ATC, select command and transmitter keying checks, power supplies check, transmit audio and audio keying level adjustments, maintenance panel operation, and remote link tester.

Prerequisites: None
And one of the following: None

47504 (CBI/MM) Communication Equipment

Training Manager: AMA-410 Course Length: 144 hour(s)

This course provides training for technicians on communications equipment (CE). This course is 80 hours of computer-based instruction (CBI), self-study and 64 hours Academy lab. CBI and self-study include theory of operation of Solid-State VHF and UHF transmitters, receivers, audio, control lines, tone channeling equipment, logs, and decibels. Six blocks of instruction cover 25 modules. Lab includes communications, test equipment, electromagnetic spectrum, antenna characteristics, AM and FM signals, receiver principles, transmitter principles, telephony, radio control equipment, AN/GRR-23/24, AN/GRT-21/22, PET 2000, and Motorola CM-200.

Prerequisites: None
And one of the following: None

47506 (CBI) Radio Control Equipment (RCE) Hardware Maintenance

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians, specialists, and engineers on the hardware and software configuration of the radio control equipment (RCE). The course is 16 hours computer-based instruction (CBI) and 24 hours Academy lab. CBI subjects include system overview and components, installation and configuration, maintenance data terminal (MDT) usage, system maintenance and fault isolation. Laboratory subjects include system overview, user interface operations and troubleshooting exercises used as the end-of-course evaluation.

Prerequisites: 47504
And one of the following: None

47507 (CBI/MM) Small Tower Voice Switch (STVS)

Training Manager: AMA-410 Course Length: 48 hour(s)

This course provides training for AF technicians on the small tower voice switch (STVS). This course is 24 hours computer-based instruction (CBI) and 24 hours Academy laboratory. CBI subjects include system description, purpose of each LRU, STVS reconfiguration and mapping, and audio level checks/alignments. Laboratory subjects include operation of position modules, audio level checks, system alignments, system configuration, and troubleshooting.

Prerequisites: 47504
And one of the following: None

47606 (CBI) Visual Approach Slope Indicator

Training Manager: AMA-430 Course Length: 64 hour(s)

This course provides training for technicians and engineers on VASI West Tech FA-9330, DISAN FA-9873, SEPCO FA-9458, SEPCO FA-9458B, West Tech FA-9458A, and LO1-1A Brightness Control Regulator. The course is 56 hours computer-based instruction (CBI) and 8 hours field-conducted lab with a supervised final exam. CBI subjects (192 lessons and seven advanced training aids) cover operational characteristics, assemblies, subassemblies, performance checks, maintenance, alignment, adjustment, and troubleshooting procedures. Field-conducted lab is conducted on the equipment at the

field facility.

Prerequisites: None
And one of the following: 44111, 47600, 44117

47608 (CBI) Engine Generator Power Systems

Training Manager: AMA-430 Course Length: 280 hour(s)

This course provides training for technicians and engineers on engine generators, control panels, and automatic transfer switches. The course is 120 hours CBI and 160 hours Academy laboratory. CBI subjects include mechanical, electrical, and electronic theory of engine generator systems (to include Kohler engines) and ASCO/Kohler transfer switches. Laboratory subjects include mechanical maintenance and repair of engines (to include Kohler), electrical/electronic maintenance and repair of automatic transfer switches, and troubleshooting mechanical and electrical systems. Only for personnel with no previous engine generator training.

Prerequisites: None
And one of the following: 44111, 44117, 47600

47610 (CBI) Power Distribution Systems

Training Manager: AMA-430 Course Length: 200 hour(s)

This course provides training for technicians and engineers on cable fault analysis, lightning protection, grounding, bonding, shielding, and facility electrical inspections. The course is 80 hours computer-based instruction (CBI) and 120 hours Academy laboratory. CBI subjects include cable maintenance, faults, and splicing; earth electrode, power grounding, and electronic signal ground systems; bonding, shielding, and electrical inspection techniques for raceway systems; conductors, wiring devices, service equipment, panel boards, motors and controls; lamps and lighting fixtures; and emergency systems. The laboratory sessions apply techniques covered in the CBI portion of the course.

Prerequisites: None
And one of the following: 44111, 47600, 44117

47700 (CBI) Distance Measuring Equipment (DME), FA-9783

Training Manager: AMA-420 Course Length: 96 hour(s)

This course provides training for technicians on the Cardion 3 DME equipment, type FA-9783. The course is 56 hours CBI and 40 hours Academy laboratory (hands on equipment). CBI subjects include DME introduction and theory for the power distribution system; transponder; monitor, control and transfer; remote monitoring equipment; and system analysis (troubleshooting). Laboratory subjects include review of DME preventive maintenance using FAA Maintenance Order 6730.2, and alignments and corrective maintenance using TI 6780.4, the Manufacturer's Instruction book.

Prerequisites: 88440
And one of the following: 40276, 44215, 40284

47701 (CBI) Second Generation VORTAC Hardware

Training Manager: AMA-420 Course Length: 208 hour(s)

This course provides training for technicians on VORTAC and RTA-2 antenna speed control equipment. The course is 3 parts: a) online CYBIS portion includes; b) CBI on DVD-CDROM; and c) 56-hour Academy lab. Online CYBIS and CBI (DVD) subjects include introduction to VORTAC and IOT screens and theory for power subsystems; VOR transmitter, goniometer, monitor and ground check; TACAN transponder, power amplifier, monitor and power supply; RTA-2 antenna speed-control unit, FCPU, and RMC-F. Lab subjects include preventive maintenance procedures from FAA Maintenance Order 6820.7B and alignments and corrective maintenance procedures from TI 6780.4. Online CYBIS lessons, CYBIS critique, CBI lessons (DVD), and resident lab are required for course completion.

Prerequisites: 88440
And one of the following: 40276, 40284

47702 (CBI) Localizer - Mark 1 D/E/F

Training Manager: AMA-420 Course Length: 152 hour(s)

This course provides training for technicians on the Instrument Landing System, Wilcox Mark 1 D/E/F. The course is 104 hours CBI and 48 hours Academy laboratory. CBI subjects include block diagram and circuit diagram for all units and circuit cards. Videotape subjects include demonstrations of performance tasks. Laboratory subjects include alignment and calibration of localizer to current standards. Some lab procedures are outdoors--bring proper clothing for weather. Requires current versions of ILS maintenance order, general maintenance order, and TI. TPMO must provide models (D/E/F) for proper registration and enrollment. This course includes an Academy lab examination.

Prerequisites: None
And one of the following: 40233, 88220, 40283, 88257

47703 (CBI) Glideslope (Short) - Mark 1 D/E/F

Training Manager: AMA-420 Course Length: 64 hour(s)

This course provides training for technicians on the Instrument Landing System, Wilcox Mark 1 D/E/F glideslope. The course is 32 hours CBI and 32 hours Academy laboratory. CBI subjects include block diagrams and circuit diagrams for units and circuit cards. Laboratory subjects include alignment and calibration of glideslope to current standards. Must complete 47702 before attending this course. This segment only teaches the difference between LOC and GS units. Requires current versions of ILS, general, and battery maintenance orders, and TI. TPMO must provide models D/E/F for proper registration. This course includes an Academy lab examination.

Prerequisites: 40283
And one of the following: 47702, 88234

47704 (CBI) Mark 1 D/E/F Remote Monitor/Land Lines

Training Manager: AMA-420 Course Length: 24 hour(s)

This course provides training for technicians on the Instrument Landing System, Wilcox landline Remote monitor, and VHF RXR monitor units. the course is 16 hours CBI and 8 hours academy laboratory. CBI subjects include block and schematic diagrams of units and circuit cards. Laboratory subjects include alignment and calibration to current standards. Know ledge of basic VHF receivers is required. Requires current versions of ILS maintenance order, general maintentance order, and TI. This course includes an Academy lab examination.

Prerequisites: 40283
And one of the following: 47702, 88234

47705 (CBI) Mark 1D/E ILS Marker Beacon

Training Manager: AMA-420 Course Length: 32 hour(s)

This course provides training for technicians on the Instrument Landing System, Wilcox Marker Beacon. The course is 24 hours CBI and 8 hours academy laboratory. CBI subjects include block and schematic diagrams for all units and circuit cards. Laboratory subjects include alignment and calibration of beacon to current standards. Requires current versions of ILS, general, and batterry maintenance orders, and TI. The tpmo must provide models d/e/f for proper registration and enrollment. This course includes an Academy lab examination.

Prerequisites: 40283
And one of the following: 47702, 88234

47706 (CBI) ATC Beacon Indicator (ATCBI-5) Trans/Receiver Site

Training Manager: AMA-440 Course Length: 96 hour(s)

This course provides training for technicians on the Air Traffic Control Beacon Interrogator (ATCBI)-5. The course is 56 hours computer-based instruction (CBI) and 40 hours laboratory. The lab portion can be taken in the field as OJT or resident lab at the Academy. CBI and advanced training aids (ATA's) subjects include system concepts, pulse-mode generator, transmitter, receiver, stagger/destagger, side-lobe suppression and improved side-lobe suppression (SLS/ISLS), monitors, control circuits, and beacon test sets. Laboratory subjects include periodic maintenance and corrective maintenance tasks, system troubleshooting, and system performance checks.

Prerequisites: None
And one of the following: 40392, 42058, 88360

47708 (CBI) Capture Effect Glideslope (CEG)

Training Manager: AMA-420 Course Length: 72 hour(s)

This course provides training for technicians on a Capture Effect Glideslope (CEG) facility (not equipment-specific), using the Mark 1 only as a model. The course is 32 hours computer-based instruction (CBI) (9 lessons) and 40 hours Academy lab. CBI subjects include radiation patterns, amplitude and phase control unit, clearance transmitter, monitoring, and flight inspections. Lab subjects include operation, maintenance, calibration, fault diagnosis of the CEGS facility, and one practical examination.

Prerequisites: None
And one of the following: 47703, 47716

47709 (CBI) End-Fire Glideslope (EFGS) Antenna System

Training Manager: AMA-420 Course Length: 72 hour(s)

This course provides training for technicians on the Instrument Landing System, Watts Antenna Company, End-Fire Glideslope Antenna. The course is 32 hours computer-based instruction (CBI) and a 40 hour self-paced Academy laboratory. CBI subjects include block diagram, schematic diagram, all units, and circuit cards. Laboratory subjects include alignment and calibration of an EFGS system. Some laboratory procedures are outdoors. Bring proper clothing for all w eather. Current versions of ILS Maintenance Order, General Maintenance Order, Battery Maintenance Order, and TI are required. There is also one practical examination at the end of the lab portion of the course.

Prerequisites: 47703
And one of the following: 47708, 40240, 88227

47710 (CBI) Mark 20 Instrument Landing System (ILS)

Training Manager: AMA-420 Course Length: 104 hour(s)

This course provides training for technicians on the Mark 20 ILS. The course is 40 hours computer-based instruction and a 64 hour Academy laboratory. CBI subjects include familiarization, theory of operation, signal flow , and menus on marker beacon, localizer, Farfield monitor, glideslope, RICE, and LCU. The laboratory covers maintaining, troubleshooting, and repairing the Mark 20 System and the components, and one practical examination.

Prerequisites: 40283
And one of the following: None

47711 (CBI/MM) Low-Level Windshear Alert Sys (LLWAS) Climatronics

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides training for technicians on the LLWAS Phase 2 Climatronics, Type FA-10239. The course is 32 hours correspondence study, 8 hours computer-based exercises (CBE), and 40 hours Academy laboratory. Correspondence study subjects include LRU identification, breakdown, and system operation and maintenance. CBE subjects include system simulations and the end-of-course exam. Laboratory subjects include system alignments, performance checks, and fault isolation.

Prerequisites: 47504, 88440, 88441
And one of the following: None

47713 (CBI/MM) Low-Level Windshear Alert System (LLWAS/FA-10240)

Training Manager: AMA-420 Course Length: 68 hour(s)

This course provides training for AF personnel on LLWAS, Type FA-10240. The course is 24 hours correspondence study, 4 hours computer-based exercises (CBE), and 40 hours Academy laboratory. Correspondence study subjects include system concepts, major and subassembly component identification, communication functions, display interpretation and characteristics, block diagrams, signal flow and paths, and the maintenance data terminal (MDT). CBE subjects include system concepts, operational checks, and block diagrams. Laboratory subjects include system operation, verification, performance, and analysis.

Prerequisites: 47504, 88440, 88441
And one of the following: None

47714 (CBI/MM) DME Model 1118 With ERMM

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides training for technicians and engineers on the Distance Measuring Equipment (DME) ASII, Inc., Model 1118 with enhanced remote maintenance monitoring (ERMM). The course is 40 hours correspondence study with the final examination on the CBI platform and 40 hours Academy laboratory. Correspondence study subjects include theory of operation and maintenance. Laboratory subjects include alignment, maintenance checks, and fault isolation. Personnel who have already taken course 40278 should not take this course. The ERMM portion is covered in 45205 for those who have completed course 40278.

Prerequisites: 88440, 88441
And one of the following: 44215, 40276, 40284

47715 (CBI/MM) Mark 1 D/E/F ILS

Training Manager: AMA-420 Course Length: 344 hour(s)

This course provides training for technicians, engineers, and developmental technicians on the Mark 1 D/E/F Instrument Landing System (ILS). This course is 22 hours CBI, 188 hours self-study, and 136 hours of Academy laboratory. CBI and self-study subjects include block diagrams, controls and indicators, adjustments, flight inspection, and an examination on the CBI platform. Laboratory subjects include alignment and calibration procedures for the localizer, glideslope, markers, and Remote Monitoring System.

Prerequisites: None
And one of the following: None

47716 (CBI/MM) Wilcox Mark 1F ILS

Training Manager: AMA-420 Course Length: 304 hour(s)

This course provides training for technicians, engineers, and developmental technicians on the Wilcox Mark 1F Instrument Landing System (ILS), including localizer, glideslope, markers, and remote receivers. The course is 186 hours correspondence study, 22 hours CBE's, tests, and 96 hours Academy laboratory. Correspondence study and CBI subjects include block diagram and circuit diagram for all units and circuit cards. Laboratory subjects include alignment and calibration of localizer, glideslope, markers, and remote receiver to current standards. This course includes an Academy lab examination.

Prerequisites: None
And one of the following: 40233, 40283, 88220, 88257

47717 (CBI) Mark 20/20A Instrument Landing System (ILS)

Training Manager: AMA-420 Course Length: 144 hour(s)

This course provides training for technicians on the Mark 20/20A ILS and Capture Effect Glideslope (CEGS) System. The course provides 40 hours computer-based instruction and 104 hours Academy laboratory. CBI subjects include familiarization, theory of operation, signal flow, and menus on Marker Beacon, localizer, FAR-Field monitor, glideslope, RICE, and LCU with a final exam. The laboratory includes maintaining, troubleshooting, and repairing the Mark 20/20A ILS and the components. There is one practical exam.

Prerequisites: 40283
And one of the following: None

47802 (CBI) Radar Beacon Performance Remote System Monitor (RSM)

Training Manager: AMA-450 Course Length: 48 hour(s)

This course provides training for engineers on the Radar Beacon Performance Remote System Monitor, 880140 RSM group. The course is 30 hours computer-based instruction (CBI) and 18 hours field conducted lab. Subjects include system concepts, transponder concepts, interface w/ beacon systems/system tolerances, encoding and decoding circuits, receiver circuits, and troubleshooting.

Prerequisites: None
And one of the following: 40335, 40339, 45309, 45310, 47706

48024 Balanced Power Plus (BP+)

Training Manager: AMA-405 Course Length: 36 hour(s)

This course provides training for technicians on the International Power Machine (IPM)/Balanced Power Plus (BP+) 50-250 KVA Power Conditioning System (PCS). Subjects include theory of operation, troubleshooting, restoration, and systems procedures.

Prerequisites: None
And one of the following: 44111, 44117

48094 Distance Measuring Equipment (DME) (Butler/Wilcox)

Training Manager: AMA-405 Course Length: 120 hour(s)

This course provides training for technicians on the Butler 1020 and Wilcox Model 596B/C DME ground station. Subjects include block diagrams; signal flow and schematic diagrams of the transponder, monitor, control unit, and test unit; alignment and test procedures for transponder and monitor; operation testing; hands-on troubleshooting; and fault finding on the DME.

Prerequisites: 44215
And one of the following: None

48101 5960 Distance Measuring Equipment (DME), Wilcox

Training Manager: AMA-405 Course Length: 80 hour(s)

This course provides training for technicians on the Wilcox 5960 Distance Measuring Equipment (DME). Lectures cover the Wilcox 5960 DME. Laboratory sessions include fault diagnosis, performance analysis, test procedures, use of test equipment, and routine checks and adjustments.

Prerequisites: 44215
And one of the following: None

48107 Category III Instrument Landing System (ILS)

Training Manager: AMA-405 Course Length: 120 hour(s)

This course provides training for technicians on the category III, ILS. Subjects include system theory and laboratory training on troubleshooting, alignment, and adjustments.

Prerequisites: None
And one of the following: 40233, 44415, 47000, 40283

48176 Wilcox 476B/585B VHF Omnidirectional Range (VOR)

Training Manager: AMA-405 Course Length: 120 hour(s)

This course provides training for technicians on the Wilcox VOR. Lectures and laboratory exercises cover VOR theory; station block diagram; circuit analysis of transmitter, goniometer, antenna, radio-frequency (RF) phasing, monitor field detector, local control, and keyer; station alignment; and error curve analysis.

Prerequisites: None
And one of the following: None

48180 Instrument Landing System (ILS) ASII

Training Manager: AMA-405 Course Length: 80 hour(s)

This course provides training for technicians on the Airport Systems International, Incorporated 1100 Series ILS. Lectures include the 1100 Localizer, 1110 Glideslope, and 1130 Marker Beacon. Laboratory sessions cover fault diagnosis, performance analysis, test procedures, use of test equipment, and routine checks and adjustments.

Prerequisites: None
And one of the following: 40233, 40283

48200 Mark 10 Instrument Landing System (ILS), Wilcox

Training Manager: AMA-405 Course Length: 80 hour(s)

This course provides training for technicians on the Wilcox Mark 10 Instrument Landing System (ILS) equipment. Subjects include localizer, glideslope, and Marker Beacon System theory of operation through maintenance and troubleshooting at the LRU level.

Prerequisites: 88440
And one of the following: 40233, 40283

48229 Exide UPS Powerware - 62.5 KVA

Training Manager: AMA-405 Course Length: 36 hour(s)

Course provides Level 1 training for technicians on Exide Uninterruptible Power Source (UPS) Powerware System 62.6 KVA. The course is 50% lecture and 50% laboratory. Subjects include theory of operation, troubleshooting, restoration, and system procedures. Power handling subassemblies are removed and their components, such as SCR and transistors, are removed, checked, and replaced. The course emphasis is on practical application. Exide Powerware Systems are installed at selected automated flight service stations (AFSS's) (approximately 30), airport surveillance radars (ASR), and air traffic control tower (ATCT) NAS facilities.

Prerequisites: None
And one of the following: 44111, 47600, 44117

48232 UPS Balanced Power (BP) II - Exide

Training Manager: AMA-405 Course Length: 36 hour(s)

This course provides training for technicians on the Exide uninterruptible pow er source (UPS) BP II. This course is 40% lecture and 60% laboratory. Subjects include theory of operation, troubleshooting, restoration, and system procedures.

Prerequisites: None
And one of the following: 44111, 44117

48245 IBM Enterprise System (Rollout 3)

Training Manager: AMA-405 Course Length: 32 hour(s)

This course provides training for personnel responsible for maintaining and certifying the Display Channel Complex Rehost (DCCR). The course is lecture and laboratory. Subjects include the service strategy and procedures necessary to invoke diagnostic routines and fault isolate to the low est replaceable unit (LRU).

Prerequisites: None
And one of the following: None

48253 UPS-30/160 KVA Balanced Power (BP) III

Training Manager: AMA-405 Course Length: 36 hour(s)

This course provides training for technicians on the Uninterruptible Pow er Source (UPS) Pow erw are Plus 30-160 KVA Balanced Pow er (BP III). Subjects include theory of operation, troubleshooting, restoration, and system procedures. Each student should bring a 486 laptop w ith math coprocessor and an interconnect cable at least 6 feet long so the softw are (P80-Tool) can be loaded/tested. The interconnect cable must have a 9-pin female connected to the laptop (depending on the laptop) to a 25-pin male connected to the UPS. Each student w ill receive a copy of P80-Tool softw are that w ould w ork best if it can be tested on each student's laptop during the course.

Prerequisites: None
And one of the following: 44111, 44117

48262 ASII Model 1118 DME With RMM

Training Manager: AMA-405 Course Length: 56 hour(s)

This course provides training for technicians and engineers on the Distance Measuring Equipment (DME) Model 1118 w ith remote maintenance monitoring (RMM). The course is a combination of lecture and laboratory. Lecture subjects include operations and maintenance. Laboratory subjects include alignments, adjustments, and fault isolation.

Prerequisites: 44215, 88440
And one of the following: 40276, 40284

48272 Telecommunications Management and Operations Financial Tools

Training Manager: AMA-405 Course Length: 16 hour(s)

This course provides training for telecommunication specialists, netw ork planners, and budget analysts in the procedures for ordering telecommunications services. The course is 50% lecture and 50% laboratory. Subjects include Telecommunications Management and Operations (TM&O) financial tracking systems, accessing FinTrack, transferring funds, funds transfer requests status reports, TSR estimates and CC&O billing reports, IA mod status report, ACC/IA mod relationships, TSR completion report, ACC status report, and candidate FTRS report.

Prerequisites: None
And one of the following: None

48273 AIDCS for Air Traffic System Specialists

Training Manager: AMA-405 Course Length: 17 hour(s)

This course provides training for technicians, engineers, SPS's and NAS managers (FS-2101's) on the Air Traffic System Interfacility Data Communications System (AIDCS). The course consists of 30% lecture and 70% laboratory. Subjects include system overview , system operations, error detection, hardw are maintenance, softw are maintenance, and system certification.

Prerequisites: None
And one of the following: 41705, 48238, 48239, 49266, 49267

48274 OASIS First-Level Maintenance Training

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training for technicians on the Operational and Supportability Implementation System (OASIS) at sites w here the system has been installed. The course consists of lecture and laboratory sessions. Subjects covered include identification of OASIS assemblies and subassemblies, pow er up/dow n, start over and recovery, operational performance checks, and diagnostics and fault isolation to the line replaceable unit (LRU).

Prerequisites: 40423, 88440, 88441
And one of the following: None

48279 ARSR-4 Genrad/Fluke Hardware and Software

Training Manager: AMA-405 Course Length: 120 hour(s)

Hardw are training covers signal flow , fault isolation, repair, test and checkout of support equipment and system-level line replaceable units (LRU's), electrostatic discharge (ESD) aw areness/procedures, data/signal flow of test-set subassemblies to block-diagram level, turn-on and checkout, recognition of test-set faults, test repair and verification of selected unit under test (UUT) or serviceable UUT's, and

use of test-program sets (TPS) to test UUT's. Software training covers modification of program software to incorporate circuit changes/additions for the ARSR-4 subassemblies, structure and layout of test software, modification of test program software and executive code.

Prerequisites: 40408
And one of the following: None

48281 UPS 180/500 KVA Balanced Power (BP) III - Exide

Training Manager: AMA-405 Course Length: 36 hour(s)

This course provides training for technicians on the Exide uninterruptible power source (UPS) Powerware Plus 180/500 KVA BP III. The course is 40% lecture and 60% laboratory. Subjects include troubleshooting, restoration, and system procedures.

Prerequisites: None
And one of the following: 44111, 44117

48288 PRM Software

Training Manager: AMA-405 Course Length: 120 hour(s)

This course provides training for AOS software engineers on the precision runway monitoring system. The course consists of lecture and laboratory sessions. Subjects include system overview, analyzing software errors, building site parameters, data reduction analysis, identifying false targets, and loading eproms.

Prerequisites: 48531
And one of the following: None

48291 Comprehensive Powerlogic System

Training Manager: AMA-405 Course Length: 36 hour(s)

This course provides training for technicians on operation and configuration of the Powerlogic Series 2000 circuit monitor and power meter. The course subjects are metering principles, including instrument transformers, polarities, and convection.

Prerequisites: None
And one of the following: 44111, 47600, 44117

48292 UPS-180/500 Balanced Power (BP) III - Level II

Training Manager: AMA-405 Course Length: 36 hour(s)

Course provides Level II (Adv) training for technicians and engineers on Exide UPS 180/500 KVA Balanced Power (BP) III and is 50% lecture and 50% lab. The training reviews and expands on topics covered in Level I training. Advanced troubleshooting procedures are described to further enhance the user in differentiating between hardware and software problems. Training is designed for individuals who perform installation verification and full maintenance of the UPS including parallel redundant configuration. The course is also designed for individuals who provide technical support and basic training to on-site personnel.

Prerequisites: None
And one of the following: 47600, 44111, 44117

48293 Quantum Series Maintenance (Modicon PlC)

Training Manager: AMA-405 Course Length: 27 hour(s)

This course provides training for technicians on how to troubleshoot and perform maintenance on systems controlled by the quantum automation series controller and associated hardware. Multi-level fault isolation and correction are featured, and emphasis will be placed on software diagnostics.

Prerequisites: None
And one of the following: 47600, 44111, 44117

48296 Factorylink Electronic Control System (ECS) Basic

Training Manager: AMA-405 Course Length: 36 hour(s)

This course provides training for personnel who will be using Factorylink graphical software. This is a beginning level course that provides basic overview of Factorylink modules. At the end of the course, students will be able to design, configure, and troubleshoot a Factorylink application. Factorylink is the graphical software that will be used in the workstation of the Power Monitor and Control System (PMCS) portion of the Critical Power Distribution System (CPDS).

Prerequisites: None
And one of the following: 44111, 47600, 44117

48302 Mitsubishi 2033A DDC Series UPS System

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training for technicians on the Mitsubishi 2033A DDC Series Uninterruptible Power Supply (UPS) System. The course is 17 hours lecture and 23 hours laboratory. Lecture subjects include general power electronics concepts as related to the 75KVA 2033A UPS, system schematics and functionality, monitoring menu, component identification, and system operation. Laboratory subjects include troubleshooting and component disassembly and replacement.

Prerequisites: None
And one of the following: 44111, 44117

48306 Modicon PlC Level 1 Programming

Training Manager: AMA-405 Course Length: 28 hour(s)

This course provides training for personnel on how to program quantum series programmable logic controllers (PLC) to include: system hardware, system configuration, and programming. Programming techniques range form basic functions to arithmetic operations and block moves using discrete input/output (I/o), as well as register and analog I/O.

Prerequisites: None
And one of the following: 47600, 44111, 44117

48307 Con-Cept Programming

Training Manager: AMA-405 Course Length: 32 hour(s)

This course provides training for personnel on how to configure quantum programmable logic controllers (PLC) using Con-Cept software, set up a project, and learn to use the function block, ladder diagram, sequential functions chart, and structered text IEC editors. The student will also learn how to use the derived function block and C++ toolkit editors, as well as generate documentation of the program.

Prerequisites: None
And one of the following: 47600, 44111, 44117

48311 TLS Operation and Maintenance

Training Manager: AMA-405 Course Length: 64 hour(s)

This transponder landing system (TLS) training consists of 60% lecture/discussion which presents information from the technical instruction manual (TIM); and 40% laboratory which utilizes the TLS base-station equipment, remote control unit (RCU), and maintenance interface unit (MIU). Students will use the TLS technical instruction manual, maintenance technician student guide, and student handouts.

Prerequisites: None
And one of the following: None

48312 Transponder Landing System (TLS) Operator's Course

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for operators on the transponder landing system (TLS). The course is 50 percent lecture by the contractor and 50 percent hands-on training by the students. Laboratory subjects include system theory of operation, system configuration, operations checks, and adjustments. This is a non-federal system that will be located at six sites and operated and maintained by the contractor.

Prerequisites: None
And one of the following: None

48314 Advanced Fault Management System (AFMS)

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for AFMS system administrators to customize, maintain and operate the Advanced Fault Management System (AFMS) at the national maintenance coordination centers (NMCC's)for bandwidth management. The course is 12 hours lecture and 12 hours laboratory. Subjects covered include start up; monitoring activity; creating automation and topology maps; execution of sets, gets, and read traps; manage alarms, display nodes and link views; and query and perform node configurations.

Prerequisites: None
And one of the following: None

48317 Advanced Fault Management System (AFMS) for System Admins

Training Manager: AMA-405 Course Length: 40 hour(s)

This training is for system administrators to customize, maintain, and operate the advanced fault management system (AFMS) at the national maintenance coordination centers (NMCC) for bandwidth management. The course is 20 hours lecture and 20 hours laboratory. Subjects covered include startup, monitoring activity, creating automation and topology maps, customizing the AFMS to fit the needs of the network, execution of the sets and gets and read traps, manage alarms and display nodes and link views, query, and perform node configurations.

Prerequisites: 47409
And one of the following: None

48318 ASII Model 1119 DME With RMM

Training Manager: AMA-405 Course Length: 64 hour(s)

This equipment-specific course provides training for technicians who maintain the ASII Model 1119 High Power Distance Measuring Equipment (DME). The course is 32 hours lab and 32 hours lecture. With completion of the course, the student will be able to operate, adjust, and align the DME equipment according to manufacturers specifications. The technician will be capable of troubleshooting the DME with remote maintenance monitoring (RMM) to the module, subassembly or line replaceable unit (LRU).

Prerequisites: None
And one of the following: 44215, 40276, 40284

48324 AMASS Second-Level Engineering

Training Manager: AMA-405 Course Length: 160 hour(s)

This course provides training for engineers and software maintenance personnel at aos-200 on the airport movement area safety system (AMASS). The course is 80 hours lecture and 80 hours laboratory. Lecture subjects include AMASS operation, system functions, basic system algorithms, and application software structure. Laboratory subjects include use of development and

debugging tools, and modification of software.

Prerequisites: None
And one of the following: None

48334 Controller Pilot Data Link Communications for Sys Admins

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training for technicians and engineers on controller pilot data link communications (CPDLC) within the NAS. The course is 20 hours lecture and 20 hours lab. Lecture subjects include the role of the CPDLC in the NAS, CPDLC theory, components, messages, startup/shutdown procedures peripheral devices, CPDLCLAN/WAN, routers, switches, and GUI. Lab subjects include CPDLC system operation, monitoring, maintenance, and troubleshooting.

Prerequisites: None
And one of the following: None

48337 Promina 800 Series Operations

Training Manager: AMA-405 Course Length: 20 hour(s)

This course provides training for technical personnel who will use the operator interface to manage, monitor, and/or configure the N.E.T. Promina Multi-service Access Platform (PMAP) and Multi-service Bandwith Manager (MBM) network. The course is 10 hours lecture and 10 hours laboratory. Subjects include usage of the N.E.T. PMAP/MBM operator interface to configure networks, manage bandwith resources, monitor network usage, and maintain network operations by performing diagnostics and interpreting alarms and events.

Prerequisites: None
And one of the following: None

48338 Promina 800 Series Manager

Training Manager: AMA-405 Course Length: 16 hour(s)

This course provides training for control site technical personnel who will use the Promina 800 series MAP manager as their central point of control for managing their N.E.T. Promina 800 series multi-access platforms and N.E.T. legacy nodes in their network. The course is 8 hours lecture and 8 hours laboratory. Subjects include monitoring the N.E.T. network; executing SETS and GETS from the MIB browser; read tapes from the event browser; manage alarms, display node, and link views via netscape; query and perform node configuration.

Prerequisites: 48337
And one of the following: None

48339 Promina 800 Series Maintenance

Training Manager: AMA-405 Course Length: 20 hour(s)

This course provides training for network managers and technical personnel who will manage and maintain the N.E.T. Promina multi-service access platform (PMAP) and the multi-service bandwidth manager (MBM) network using the operator interface and card indicators. The course is 10 hours lecture and 10 hours laboratory. Subjects include configuring, installation, replacement, and cabling N.E.T. PMAP/MBM hardware; use and interpret N.E.T. PMAP/MBM hardware indicators and controls; correlate hardware indicators with operator interface display for purposes of troubleshooting; and to perform appropriate diagnostic tests to isolate failed circuit or system components.

Prerequisites: 48337
And one of the following: None

48344 DVRS Type II

Training Manager: AMA-405 Course Length: 40 hour(s)

This course is conducted at each site after system installation and before system commissioning. This course provides training for technicians and air traffic control personnel on DVRS, Type II. Lectures cover theory of operation and evaluations, preventative maintenance procedures, and fault analysis. Laboratory sessions cover system operating procedures, system evaluation, routine test procedures, adjustments, and isolation of faults.

Prerequisites: 88440
And one of the following: None

48345 Mark 20A ILS

Training Manager: AMA-405 Course Length: 80 hour(s)

This course is for airway facilities technicians and engineers and includes the following subject areas: MK20A equipment familiarization, principles of operation, functional block diagrams, signal flow, system maintenance, corrective maintenance, periodic maintenance of the Localizer System and its subassemblies and Antenna System, periodic maintenance of the Glideslope System and its subassemblies and Antenna System, and ancillary equipment (RICE, RCSU, RCIU, and markers).

Prerequisites: 40283
And one of the following: None

48348 Mitsubishi 9700 Series UPS System

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for technicians on the Mitsubishi 9700 Series Uninterruptible Power System (UPS). The course consists of 12 hours lecture and 12 hours laboratory. Subjects include general power electronics concepts as related to 9700 Series UPS, system

schematics and functionality, monitoring menu, component identification, system operation, troubleshooting, and component disassembly and replacement.

Prerequisites: None
And one of the following: 44111, 44117

48350 Telecommunications Service Management (TSM) Circuit Tracking

Training Manager: AMA-405 Course Length: 16 hour(s)

This course provides training for telecommunications specialists, budget analysts, regional engineers, and facility managers w ho use the Telecommunications Service Management (TSM) circuit tracking. This course is 8 hours of lecture and 8 hours of laboratory. Lecture includes introduction to the TSM Ordering System (TOS), creating a request for telecommunications service, introduction to TSR entry, introduction to communications service request entry, and agency orders. Laboratory subjects include hands-on TSM tracking activities.

Prerequisites: None
And one of the following: None

48351 Telecommunications Service Management (TSM) Ordering System

Training Manager: AMA-405 Course Length: 16 hour(s)

This course provides training for telecommunications specialists, budget analysts, regional engineers, and facility managers w ho use the Telecommunications Service Management (TSM) Ordering System. This course is 8 hours of lecture and 8 hours of laboratory. Lectures include TSM circuit tracking overview , gathering data, creating a new end-to-end introduction to the treeview , associating information, w orking w ith orders and billing data. laboratory subjects include hands-on TOS activities.

Prerequisites: None
And one of the following: None

48352 Mark 20A ILS System, Delta Training

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides supplementary (difference) training for technicians w ho have completed the MK-20 ILS training (course 47710). The course is 8 hours of classroom instruction and 16 hours of hands-on equipment training. Lecture includes identification of differences betw een the MK-20 and MK20A systems. The laboratory covers troubleshooting and repair of the MK-20A system and its components.

Prerequisites: 47710
And one of the following: None

48356 ASDE-X Core Maintenance

Training Manager: AMA-405 Course Length: 104 hour(s)

This course provides training for technicians on the Airport Surface Detection Equipment Model X (ASDE-X) Radar System. The course is 52 hours lecture and 52 hours laboratory/w alkthrough. Lecture subjects include system operation, multilateration system, surface movement radar system, remote monitoring system, maintenance, and troubleshooting. Laboratory subjects include LRU removal and replacement, maintenance, and troubleshooting.

Prerequisites: 40423, 42058, 44320, 88440, 88441
And one of the following: None

48357 ASII Model 2100 Category II/III ILS

Training Manager: AMA-405 Course Length: 80 hour(s)

This course provides training for technicians on the ASII 2100 model ILS. Lecture includes system functional block diagram, terminal equipment, rear panel, display assembly 1A1, battery charger pow er supply, synthesizer assembly, pow er amplifier assembly localizer and glideslope, monitor CCA, RMS microprocessor CAA, transfer/recombiner draw er assembly, CE APCU draw er assembly, and remote maintenance monitor. Lab sessions cover performance analysis, test procedures, use of test equipment, and routine checks and adjustments. Student must have know ledge in digital circuit theory microprocessor or microcontroller functional operation theory and practical ILS flight check.

Prerequisites: 40283, 88440
And one of the following: None

48360 Precision Runway Monitor (PRM) Tracon

Training Manager: AMA-405 Course Length: 40 hour(s)

This course is for technicians and engineers w ho maintain the Precision Runw ay Monitor (PRM) TRACON equipment. This course is conducted by Raytheon at field installation locations. Training includes the indicator portion of the PRM as w ell as maintenance of PRM hardw are.

Prerequisites: None
And one of the following: None

48362 MALSR With RMS

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for technicians and engineers on the Medium Intensity Approach Light System w ith Runw ay Alignment Indicator Lights (MALSR) and Remote Monitor System (RMS) manufactured by the DME Corporation. The course is 12 hours lecture and 12 hours lab. Lecture subjects include system and componenet description, layout and configuration, circuit description, interconnection diagrams, component operation, and detailed RMS

description and operation. Lab subjects include equipment layout, configuration, component location, maintenance tasks, adjustments, system troubleshooting, and RMS operation and use.

Prerequisites: 44111
And one of the following: None

48364 A+ Certification Preparation Hardware Fundamentals

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training on PC hardware and system maintenance procedures for hardware components, power supply, upgrades, networking, maintenance, and troubleshooting. This course is 20 hours lecture and 20 hours laboratory. The lab includes exercises on configuration settings, upgrade systems, configuring SCSI devices, installing printers and monitors, removing and replacing components, and troubleshooting post errors.

Prerequisites: None
And one of the following: None

48365 A+ Certif. Preparation Operating Sys Fundamentals (CompUSA)

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training on installation procedures using emergency boot diskettes, managing printers, and other devices such as networking and Internet access. This course is 20 hours lecture and 20 hour laboratory. The lab exercises include installing Windows operating systems, managing Windows, operating Fdisk utility, managing system files, configuring network and Internet access, and troubleshooting the operating system errors.

Prerequisites: None
And one of the following: None

48366 Network+ Certification Preparation (CompUSA)

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training for the 2002 Comptia's Network+ Exam N10-002. The lecture includes a wide range of networking technologies. This course is 20 hours lecture and 20 hours laboratory.

Prerequisites: None
And one of the following: None

48368 Common ARTS Mosaic

Training Manager: AMA-405 Course Length: 32 hour(s)

This course provides training for AF airway transportation system specialists on Mosaic mode operation of the ARTS-IIIE system. The course is 12 hours lecture and 20 hours laboratory. Lecture subjects include Mosaic concepts, ACD and SMC operation, performance monitoring, CQARS concepts, and SCAP concepts. Laboratory subjects include operation of the ACD and SMC, lin Mosaic mode, performance monitoring, CQARS analysis, and SCAP operation.

Prerequisites: 42052
And one of the following: 40608, 40617

48369 FTI Network Management & Operations (NMO) User Interface

Training Manager: AMA-405 Course Length: 20 hour(s)

This course provides instruction on the FTI application that provides information to the FAA user from the Harris Network Operations Center (NOCC) where FTI services are monitored. Topics include log-on procedures, screen features, alerts, alarms, report generation, help desk functions, and emergency procedures. Hands-on exercises will be conducted to familiarize participants with the menu options.

Prerequisites: None
And one of the following: None

48370 ASDE-X Technical On-Site Representative (TOR) Training

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for ANI technical on-site representatives (TORS) for Airport Surface Detection Equipment, Model X (ASDE-X). This course is contractor conducted and is 16 hours field lecture and 8 hours field laboratory. Lecture subjects include an overview of the ASDE-X System and its subsystems, site configuration, installation requirements, installation, integration, and checkout processes. Laboratory subjects include a practical exercise/demonstration involving direct participation of the students and Sensis Corporation trainers with ASDE-X equipment.

Prerequisites: None
And one of the following: None

48373 ASDE-X Core Maintenance

Training Manager: AMA-405 Course Length: 64 hour(s)

This course provides training for technicians on the baseline Airport Surface Detection Equipment Model X (ASDE-X), but does not include the radar subsystem. The course is 31 hours lecture and 33 hours laboratory. Lecture subjects include system operation; multilateration, remote monitoring, tower display and processing subsystems; maintenance; and troubleshooting. Laboratory subjects include LRU removal and replacement, maintenance and troubleshooting.

Prerequisites: 40423, 42058, 44320, 88440, 88441
And one of the following: None

48375 9000NT Advanced Operations I

Training Manager: AMA-405 Course Length: 8 hour(s)

9000NT Advanced Operations I (Level 1, 2, or 3) will train the student to identify each piece of equipment and its function, start/stop and log in/out of the system, navigate through all TRAN submaps, determine the status of the modem, read alarm records, use the alarm browser to sort alarms and find modem symbols by name, alarms, and status. Additionally, the student will be able to reset the modem's symbol, monitor EIA signal levels, change the name of a modem to comply with the FAA naming conventions, put a modem or line into loop for testing, manually initiate and terminate dial restoral for a modem and take a snapshot of the current submap and store it for future reference.

Prerequisites: 47411
And one of the following: None

48376 9000NT Advanced Operations II (Level 2 Users)

Training Manager: AMA-405 Course Length: 8 hour(s)

9000NT Advanced Operations II (Level 1 or 2 access). This course will train students to explain fundamentals of network control, add devices and lines to the 9000 OMS database, upload modem configurations, check and modify various modem parameters, export and import modem configurations and modify or create symbols to execute commands. Additionally, the student will be taught to create additional submaps for site customization, to bypass the 9000 OMS window and send MB values to a modem via the SNMP MIB browser, to isolate basic problems with the 9000 OMS, monitor background processes, and evaluate network control performance.

Prerequisites: 47411, 48375
And one of the following: None

48377 9000NT Network Administration (Level 1)

Training Manager: AMA-405 Course Length: 8 hour(s)

9000NT Network Administration (Level 1 access). Level 1 users will be able to hide Internet maps to limit access, modify alarms, create a menu selection via a MIB application, perform hard drive backups and restorals. Students will also learn to backup, restore, and map topology files, add new users to the NT systems, and assign user levels.

Prerequisites: 47411, 48375, 48376
And one of the following: None

48378 9000NT Basic Operations (Level 4)

Training Manager: AMA-405 Course Length: 8 hour(s)

9000NT Basic Operations (Level 4 access). This course is for users who have modem monitoring responsibilities. The users will be able to navigate through all the modem submaps; determine modem status; start/stop and log in/out of the system, and read alarm records. The user will also be able to find modem symbols; monitor EIA signal levels RTS, CTS, DTR, DCD, and RSQ; gather, graph, display and print modem and CQMS and line CQMS statistics; archive alarm records, and print reports.

Prerequisites: 47411
And one of the following: None

48379 ATOP Overview and Operations

Training Manager: AMA-405 Course Length: 200 hour(s)

This course is for NAS/NOM and computer specialist personnel and is prerequisite for hardware and software maintenance personnel at Oceanic Centers. This course is 50% lecture and 50% lab. Lecture provides instructor-led classroom training in the operational theory and practical management of the Ocean 21 System. This includes normal operation, monitor and control, certification and problem diagnosis and recovery procedures for the equipment, software and data that make up the Ocean 21 System. Lab exercises will serve to reinforce the subject matter presented in lecture, while providing hands-on experience.

Prerequisites: None
And one of the following: None

48380 ATOP Site S/W Maintenance

Training Manager: AMA-405 Course Length: 160 hour(s)

This course is for SPS and AOS personnel at Oceanic Centers. The course is 50% lecture and 50% lab. Lecture provides instructor-led classroom training in the operational theory and maintenance of the Ocean 21 System with emphasis on the management of system archive data, security data, adaptation data, and local releases of developed and COTS software. Lab exercises will serve to reinforce subject matter presented in lecture while providing hands-on experience.

Prerequisites: 48379
And one of the following: None

48381 ATOP Hardware Maintenance

Training Manager: AMA-405 Course Length: 120 hour(s)

This course is for hardware technicians and SPS personnel at Oceanic Centers. The course provides instructor-led classroom and laboratory training in the operational theory and maintenance of the Ocean 21 System. This includes normal operation, monitor and control, problem diagnosis and recovery procedures for the equipment, software and data that comprise Ocean 21, emphasis on corrective

maintenance procedures for all elements of the system to LRU level including fault isolation, and diagnosis, problem resolution, and removal and replacement of FRU and LRU components. Lab exercises will serve to reinforce subject matter presented in lecture while providing hands-on experience.

Prerequisites: 48379, 88440, 88441
And one of the following: None

48382 ATOP 2nd Level Engineering

Training Manager: AMA-405 Course Length: 200 hour(s)

This course is for 2nd level personnel at the William J. Hughes Technical Center. The course consists of 50% lecture and 50% lab. Lecture provides instructor-led classroom training in the operational theory and engineering support requirements of the Ocean 21 System. The full range of system functionality is addressed, including all hardware, software, data and communications components, and the procedures for advanced problem analysis and resolution. Lab exercises will serve to reinforce subject matter presented in lecture while providing hands-on experience.

Prerequisites: 48380, 48381
And one of the following: None

48384 ARTSIE Stand Alone Tower Display System (SATDS) Maintenance

Training Manager: AMA-405 Course Length: 80 hour(s)

This course provides training for airway facilities technicians, engineers, specialists, and computer operators on the SATDS system maintenance. The course is 40 hours field-conducted lecture and 40 hours field-conducted laboratory. Lecture subjects include a basic introduction to SATDS, system theory and operation, system compontents, and system software. Lab subjects include software downloading to an SATDS. Alignment and repair of a general digital flat screen monitor, initializing the MVME 2700 single-board computer, preventive maintenance, and system troubleshooting.

Prerequisites: 40423
And one of the following: None

48385 Direct Current (DC) BUS System

Training Manager: AMA-405 Course Length: 32 hour(s)

This course provides detailed technical training consisting of the theory of operation of a Vortex Power System, VRLA battery maintenance, review of proper test procedures, adjustments and calibrations, troubleshooting techniques, preventive maintenance, and the theory of operation and application scenarios for the LMS 1000 Monitoring System.

Prerequisites: None
And one of the following: 44111, 44117, 47600

48386 Sensis Surface Movement Radar Improved (SMRI) for ASDE-X

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for the technician on the Sensis Surface Movement Radar Improved (SMRI) Subsystem portion of the ASDE-X. Training is 9 hours lecture and 15 hours laboratory. Lecture subjects include transmitter/receiver, antenna, and radar processor theory and operation. Labs include LRU removal and replacement, maintenance, and troubleshooting.

Prerequisites: None
And one of the following: 40643, 48373

48387 Raytheon Surface Movement Radar (SMR) for ASDE-X

Training Manager: AMA-405 Course Length: 32 hour(s)

This course provides training for the technician on the Raytheon Surface Movement Radar (SMR) Subsystem portion of the ASDE-X. Training is 13 hours lecture and 19 hours laboratory. Lecture subjects include the transmitter/receiver, antenna, and radar processor theory and operation. Labs include LRU removal and replacement, maintenance, and troubleshooting.

Prerequisites: None
And one of the following: 40643, 48373

48388 Operational Support Facility (OSF) Radar Gatway (RGW)

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training for operational support facility (OSF) personnal on common ARTS software with MOSAIC functionality. Lecture is 21 hours and subjects include an overview of the MOSAIC functionality, changes to the operational software and changes to site adaptation. Laboratory exercises are 19 hours, uses actual system equipment, and includes changes in system operation and building a site adaptation file.

Prerequisites: 42062
And one of the following: None

48531 Precision Runway Monitor (PRM) Hardware Maintenance

Training Manager: AMA-405 Course Length: 160 hour(s)

This course provides training for technicians on the removal and

replacement of the line replaceable units (LRU) for PRM systems. Subjects cover physical and functional characteristics; theory of operation; periodic maintenance tasks; corrective maintenance tasks (including troubleshooting and fault isolation); removal and replacement procedures for all system LRU's; and procedures for measuring performance parameters to support system certification.

Prerequisites: None
And one of the following: None

48537 TIMS Overview for TM&O Officers

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training on the Telecommunications Information Management System (TIMS) for personnel w ho require access to administrative or operational telecommunications data. Lecture subjects include database structure; development, release, and deployment status of front-end applications; and general navigation techniques. Lab includes TQT (TM&O query tool), TFT (financial tracking), TLC (Lincs CDRL), TOS (ordering system), TCAB (cost allocation and billing), TIS (TM&O information system), and TCT (circuit tracking for operations control centers).

Prerequisites: None
And one of the following: None

48538 TM&O Acquisition and Management Tools

Training Manager: AMA-405 Course Length: 32 hour(s)

Lectures include telecommunication management & operations overview , query tools, ordering system, financial and circuit tracking; provides tools for netw ork planners, budget & performance analysts, communication specialists & circuit engineers to create, manipulate, & track requests; conduct provisioning/circuit tracking activities; & order telecommunications services/equipment. Lab participants apply tools in a simulated environment to create orders, including steps to complete requests for telecommunications services, develop implementation plan, create cost estimates, & complete orders. Students w ill view /edit/create end-to-end connectivity data to maintain & track inventory.

Prerequisites: None
And one of the following: None

48600 Airway Facilities - Collegiate Training Initiative (AF-CTI)

Training Manager: AMA-405 Course Length: 957 hour(s)

This course w as created to provide regions w ith current equivalencies for personnel w ho have completed the AF-CTI Intern Program (formerly Coop), the upw ard mobility program or graduates from an approved AF-CTI college w ho w ere hired under direct hire authority. Approved colleges have been assessed to prepare employees (current and new) for entry into the FAA Academy's concepts courses. All AF-CTI approved college curricula's certified by FAA Academy personnel. Curriculum (as a min) includes math equivalency to the trig level, electronic theorems, applications in AC and DC circuits (transient analysis, solid state devices, and digital logic theory) and basic computer applications.

Prerequisites: None
And one of the following: None

49028 Microwave Landing System (MLS) FAR-171 Demo (Bendix)

Training Manager: AMA-405 Course Length: 80 hour(s)

This course provides training on the demonstration FAR-171 MLS produced by Allied-Signal Aerospace Company, Bendix Communication Division. Subjects include MLS concepts, equipment theory, and on-site periodic maintenance and troubleshooting of the MLS to the low est replacement unit (LRU).

Prerequisites: 44012
And one of the following: 44415, 44013

49040 DOD/AF Sony/UNIX Introduction

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training for DOD personnel on the Sony Digital Display Monitor, DDM2800. The course is 12 hours Academy lecture, 12 hours Academy lab, and 16 hours computer-based exercises (CBE). Lecture subjects include an introduction, system operation, UNIX, and display alignment. Laboratory subjects include alignment, using the digital remote controller, diagnostics, and repair. CBE subjects include training on Sun Solaris.

Prerequisites: None
And one of the following: None

49044 Precision Runway Monitor (PRM) Type C TRACON

Training Manager: AMA-405 Course Length: 40 hour(s)

The course is designed for maintenance technicians and engineers. Lecture 11 hours covers the Precision Runw ay Monitor (PRM) Type C System T/R TRACON equipment. The lecture includes Radar Display Subsystem, LAN, confidence and performance monitoring subsystem (TRACON) only, and record and playback subsystem. The laboratory section 29 hours consists of perform fault isolation using the PRM status display, remove, replace and alignment procedures for the PRM Type C TRACON site.

Prerequisites: None
And one of the following: None

49045 Precision Runway Monitor (PRM) Type C T/R Site

Training Manager: AMA-405 Course Length: 120 hour(s)

This course is designed for maintenance technicians and engineers. Lecture (35 hours) covers the Precision Runway Monitor (PRM) Type C System T/R site equipment. This equipment includes the Beacon Radar Subsystem (brs) LAN, confidence and Performance Monitoring Subsystem (T/R site only), record and playback subsystem (T/R site recorder only) and system support equipment. The lab (85 hours) consists of remove and replace procedures, alignment procedures and fault isolation using the PRM status display.

Prerequisites: None
And one of the following: None

49046 STARS Lite AF Maintenance

Training Manager: AMA-405 Course Length: 24 hour(s)

This course is for technicians, engineers, Technical Center personnel, and developmental technicians. This course is 24 hours out-of-agency training with 11 hours lecture and 13 hours lab. Lecture subjects include STARS Lite, maintenance operation, preventive and corrective maintenance. Laboratory subjects include maintenance operation and preventive and control maintenance.

Prerequisites: None
And one of the following: None

49248 S/390 Hardware Management Console Operation

Training Manager: AMA-405 Course Length: 24 hour(s)

description to be added at a later date.

Prerequisites: None
And one of the following: None

49266 MS-ODL Software/Automation

Training Manager: AMA-405 Course Length: 16 hour(s)

This course provides training for software and automation specialists in the operations and functions of the Multi-Sector Oceanic Data Link (MS-ODL). Lecture and laboratory exercises use the MS-ODL in a simulated environment to cover system overview, software maintenance, and data reduction and analysis.

Prerequisites: None
And one of the following: None

49267 MS-ODL for NAS/NOM and Hardware

Training Manager: AMA-405 Course Length: 24 hour(s)

This course provides training for NAS/NOM and hardware maintenance specialists in the operation and maintenance procedures required to certify the Multi-Sector Oceanic Data Link (MS-ODL). Lecture and laboratory exercises use the MS-ODL in a simulated environment for system overview, hardware maintenance, and status monitoring.

Prerequisites: 41705
And one of the following: None

49268 MS-ODL for Computer Operators

Training Manager: AMA-405 Course Length: 12 hour(s)

This contractor developed and administered, field-conducted course is designed to train computer operators in the operation and functions required to perform computer operator duties on the Multi-Sector Oceanic Data Link (MS-ODL). The course consists of classroom lecture and laboratory exercises using the MS-ODL in a simulated environment. Subject matter includes system overview, monitor set-up, and status monitoring.

Prerequisites: None
And one of the following: None

49269 IBM S/390 Parallel Sysplex Operations and Recovery

Training Manager: AMA-405 Course Length: 40 hour(s)

This course provides training for systems performance specialists (SPS), NAS area specialists and operations managers (NAS/NOM), and hardware maintenance technicians for the Host Computer System. The course is 60% lecture and 40% hands-on exercises and trains the student in the 9672/9674 parallel sysplex environment. The student will learn set up and operating procedures for the 9672 hardware management console (HMC), gain in-depth problem determination skills, practice enhanced sysplex operations including the coupling facility, and utilize recovery capabilities provided by the S/390 parallel transaction server and the 711-based ES/9000.

Prerequisites: None
And one of the following: None

49270 ARSR-1/2 Radar Evaluation

Training Manager: AMA-405 Course Length: 64 hour(s)

This course, which has both lecture and lab, will cover SSR/DMTI theory of operation, major subassemblies, checks on power supply, MDS, RF monitor levels, STC recording and adjustments.

Prerequisites: None
And one of the following: None

49271 FPS-20 Radar Evaluation

Training Manager: AMA-405 Course Length: 64 hour(s)

This course, which has both lecture and lab, will cover SSR/DMTI theory of operation, major subassemblies, checks on power supply, MDS, RF monitor levels, and STC recording and adjustments.

Prerequisites: None
And one of the following: None

49275 ECG/DARC for Non/NAS Specialist

Training Manager: AMA-470 Course Length: 24 hour(s)

This course is for NAS managers on the ECG/DARC equipment/eBUS software. This course is 4 hours OAT and 20 hours Academy laboratory. Lecture includes a review of ECG/DARC overview course, radar data processing functions, and problem determination. Laboratory covers practical application of tasks associated with each of the aformentioned ECG/DARC overview course and system security, and problem determination. Final exam covers entire course.

Prerequisites: 40447
And one of the following: None

49276 ECG/DARC for Software Specialist

Training Manager: AMA-470 Course Length: 120 hour(s)

This course is for SPSS and technical center personnel on ECG equipment/eBUS software. The course is 60 hours OAT and 60 hours Academy laboratory. Final exam covers the entire course.

Prerequisites: 40449
And one of the following: None

49277 ECG/DARC Overview for ATSS Hardware Maintenance

Training Manager: AMA-470 Course Length: 40 hour(s)

This course is for techs & SPSS on ECG/DARC equip/eBUS software. The course is 20 hrs OAT & 20 hrs Acad lab. Lecture cvrs radar data processing fundtions, hardware chgs to ECG & DSR to implement DARC replacement, new connection of WARP to bkup channel, WMSU interface to ECG, procedures to control & operate DARC replacement FM the MWS, SWS & DARC M&C, SMC display format & functionality to incl RTQC & EQARS msgs, & MWS graphical user screen chgs, operation of RAID-1 & ZIP250 storage devices. Lab cvrs practical application of all the above lecture topics, sys security, & problem determination within the backup channel. Final exam covers entire course.

Prerequisites: 40448
And one of the following: None

49300 UNIX Essentials Featuring Solaris

Training Manager: AMA-405 Course Length: 32 hour(s)

This course is for ATSSS having maintenance responsibility for one of the assigned prerequisites. This course provides instructions on using components of the desktop system and command line features and help resources, managing and viewing files and directories, changing Solaris directory contents,and creating and modifying files. Also included are instructions on basic file permissions, controlling the user work environment, and using commands within the Korn shell. Skills gained include how to perform basic process and job control, archive files and create archives, compress, view and uncompress files and to perform remote file transfers.

Prerequisites: None
And one of the following: 40441, 40432, 40437, 47428

49301 Intermediate System Administration for Solaris

Training Manager: AMA-405 Course Length: 40 hour(s)

This course is for ATSSS having maintenance responsibility for one of the assigned prerequisites. This course covers managing file systems, installing software, and performing system and user boot procedures and security administration. Also includes managing peripherals, processes (e.g., backup and restore), COMM links, and format local disk devices. Other subjects are mount and unmount different types of file systems, perform package and patch administration, using boot programmable read-only memory (PROM) commands, and changing non-volatile random access memory (NVRAM) parameters.

Prerequisites: 49300
And one of the following: 40432, 47428

49302 Advance System Administration for Solaris

Training Manager: AMA-405 Course Length: 40 hour(s)

This course is for ATSSS having maintenance responsibiity for one of the assigned prerequisites. This course covers the necessary knowledge and skills to perform network basis, manage virtual file systems and core dumps, manage storage volumes, control access and configure system messaging, setup naming services, and installation procedures.

Prerequisites: 49301
And one of the following: 40432, 47428

49303 Sun System Fault Analysis Workshop

Training Manager: AMA-405 Course Length: 40 hour(s)

This course is for ATSSS having maintenance responsibility for one of the assigned prerequisites. This course covers how to differentiate and repair selected hardware, system administration, and software

problems, use of an organized total system approach for fault analysis, isolate and repair selected network, port and printer faults. Recognize and repair system administration problems and mistakes. Use SunsolveTM and other Sun fault isolation facilities. Recognize and patch selected operating system (OS) problems, load, execute, and interpret system error messages and analyze system dumps, crashes, and hangs.

Prerequisites: 49302
And one of the following: 40432, 47428

49304 Sun Fire 280 & V1280 Administration & Maintenance

Training Manager: AMA-405 Course Length: 40 hour(s)

This course is for ATSSS having maintenance responsibility for the assigned prerequisite. This course covers the basic architecture for the Sun Enterprise 1280 server. Students will troubleshoot the servers to the FRU level using offline and online diagnostics to isolate faulty components from the active 1280 server configuration, install and configure hot-swappable system components including CPU/memory boards, I2 repeater boards, internal disk drives, PSU's and individual fans, and perform remote maintenance and administrative tasks on the 1280 server using LOM shell and utility commands.

Prerequisites: 49303
And one of the following: None

49305 Desktop System Maintenance

Training Manager: AMA-405 Course Length: 40 hour(s)

This course is for ATSSS having maintenance responsibility for one of the assigned prerequisites. This course covers installing various desktop systems, associated peripherals, verifying voltages are within tolerance, describe system power-on sequence, system boot sequence, purpose of forth toolkit commands, selecting the correct diagnostic tool for a specific problem, activate and configure all available diagnostic tools, interpret results of diagnostic tool output, identify, isolate, and describe correct repair for system failure to the FRU level, functional characteristics of OpenbootTM PROM architecture, install interface cards, simulate a FSCH repair, run disk inquiry commands, and a

Prerequisites: None
And one of the following: 47428, 40432

50000 CNS/ATM

Training Manager: AMA-800 Course Length: 40 hour(s)

This course is designed as an overview of Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM). It is an informational course to provide the participant with a basic knowledge of each term. The course will provide a history and evolution of CNS/ATM, explain the ICAO vision of a seamless, global air Traffic Management System, and provide information on planning and decision-making tools.

Prerequisites: None
And one of the following: None

50019 Airspace and Procedures

Training Manager: AMA-522 Course Length: 104 hour(s)

This course is designed primarily for airspace and procedures specialists in centers, terminals, regional offices, and Washington headquarters. The course consists of classroom and laboratory instruction on air traffic control documents pertaining to the airspace procedures specialist in center and terminal facilities.

Prerequisites: None
And one of the following: None

50029 Rehired Terminal Controller Training

Training Manager: AMA-512 Course Length: 144 hour(s)

Designed for former terminal full-performance-level controllers who are being reemployed by the FAA for terminal radar positions. Training consists of indoctrination, classroom instruction, and laboratory exercises. This training is designed to reacquaint the participant with the technical aspects in a terminal radar environment, cultural aspects of ATC, and the changes that have occurred since 1981.

Prerequisites: None
And one of the following: None

50033 Rehired En Route Controller Training

Training Manager: AMA-511 Course Length: 176 hour(s)

Designed for former en route full-performance-level controllers who are being reemployed by the FAA. Training consists of indoctrination, classroom instruction, and laboratory exercises designed to reacquaint the participant with the technical and cultural aspects of ATC and the changes that have occurred since 1981.

Prerequisites: None
And one of the following: None

50034 Terminal Basic Radar Training

Training Manager: AMA-512 Course Length: 144 hour(s)

This course is designed for terminal air traffic control specialists and consists of classroom and laboratory instruction. The instruction provided will enable the specialist to operate radar control positions and solve radar air traffic control problems. Course length includes 1

day of performance verification.

Prerequisites: 50032
And one of the following: 55060, 55061, 55062, 55063

50035 Area Radar Control Training - International

Training Manager: AMA-800 Course Length: 200 hour(s)

Course is designed for the air traffic controller preparing to enter training in a radar area control center. Radar training subjects include ICAO procedures, principles of radar, radar tracking systems, radar separation, speed control, radar vectoring, radar flight information, and emergencies. Simulation exercises w ill be interspersed throughout the academic lessons to provide a gradual introduction to radar operations. Laboratory exercises w ill provide practice in a simulated ATC environment and w ill share techniques used in FAA facilities. Subject matter may be modified to meet unique customer needs by special agreement.

Prerequisites: None
And one of the following: None

50036 Radar Approach Control Training - International

Training Manager: AMA-800 Course Length: 200 hour(s)

Course is designed for the air traffic controllers preparing to enter training in a radar approach control facility. Radar training subjects include ICAO procedures, principles of radar, radar tracking systems, radar separation, speed control, radar vectoring, radar flight information, and emergencies. Simulation exercises w ill be interspersed throughout the academic lessons to provide a gradual introduction to radar operations. laboratory exercises w ill provide practice in a simulated ATC environment and w ill share techniques used in FAA facilities. Subject matter may be modified to meet unique customer needs by special agreement.

Prerequisites: None
And one of the following: None

50037 Aerodrome Control Training - International

Training Manager: AMA-800 Course Length: 200 hour(s)

This course is designed for international participants preparing to enter training in an aerodrome control tow er. Training includes aerodrome layout and equipment, flight data, clearance delivery, ground control, and aerodrome control duties and responsibilities. Laboratory exercises provide practice in a simulated ATC environment using ICAO standards. Subject matter may be modified to meet unique customer needs by special agreement.

Prerequisites: 50038
And one of the following: None

50038 Basic Air Traffic Control Training - International

Training Manager: AMA-800 Course Length: 400 hour(s)

Designed for international participants w ith no prior air traffic experience w ho are preparing to enter on-the-job training at ATC facilities. Training includes fundamentals of w eather, aerodynamics, ICAO documents, ATC clearances, ATC equipment, and conventional control. Laboratory exercises provide practice in a simulated ATC environment using ICAO standards. Subject matter may be modified to meet unique customer needs by special agreement.

Prerequisites: None
And one of the following: None

50039 Customized Air Traffic Training - International

Training Manager: AMA-800 Course Length: 200 hour(s)

Designed for international participants for initial qualification as an air traffic controller or preparing to enter a new phase of training in an air traffic control facility. Instruction w ill cover subject matter agreed to betw een the FAA Academy and the sponsoring civil aviation authority. Tailored classes of differing lengths can be presented for all phases of ATC qualification training and refresher training. Duration and cost w ill vary depending on the subject matter to be covered, the amount of customization required, and any in-country assessments performed.

Prerequisites: None
And one of the following: None

50041 Tower Cab Training for Rehired Controllers

Training Manager: AMA-513 Course Length: 152 hour(s)

This course is designed to train rehired controllers in the current tow er cab policies and procedures, separation standards, and equipment usage to prepare for entry into on-the-job training in a terminal field facility.

Prerequisites: None
And one of the following: None

50042 Air Traffic Procedural Control -- International

Training Manager: AMA-800 Course Length: 160 hour(s)

This 4-w eek course is designed to introduce participants to non-radar procedures used in both area control and approach control settings. Laboratory exercises provide practice in a simulated ATC environment using ICAO standards. Subject matter includes separation procedures, strip marking, timed approaches, and emergencies.

Prerequisites: None
And one of the following: None

50043 Air Traffic Basics (Terminal)

Training Manager: AMA-511 Course Length: 200 hour(s)

The air traffic basics course is designed for new ly hired air traffic control specialists hired either competitively or through the cooperative education program. The course covers basic subjects that are prerequisite to option-specific skill training. There are no prerequisites for the course. The primary methods of instruction are lecture supplemented by embedded questions and discussion points, video segments, animation, tw o- and three-dimensional graphics, student handouts, and individual and group exercises.

Prerequisites: None
And one of the following: None

50045 Fundamentals of ATC -- International

Training Manager: AMA-3 Course Length: 240 hour(s)

This 6-w eek course includes fundamentals of w eather, aerodynamics, ICAO documents, and aircraft characteristics. The course is designed for international participants w ith no prior air traffic experience. The course has been tailored to meet international needs.

Prerequisites: None
And one of the following: None

50046 Initial Tower Cab Training

Training Manager: AMA-513 Course Length: 296 hour(s)

This course is designed for terminal air traffic control students w ho w ill be assigned to terminal facilities. The course consists of classroom and laboratory instruction in tow er cab procedures. During the course, the DBRITE, tow er visibility, and control tow er cab operator exams are administered as w ell as performance verification (PV) at the end of the course.

Prerequisites: 50043
And one of the following: None

50047 Basic ICAO PANS-OPS

Training Manager: AMA-800 Course Length: 240 hour(s)

This course covers theory and practical application of instrument procedure design under the standards and criteria set forth by ICAO in the Procedures for Air Navigation Services-Operations (PANS-OPS). Application of flight parameters related to procedure design and general criteria for the arrival, initial, intermediate, final, and missed approach segments of instrument procedures are covered.

Prerequisites: None
And one of the following: None

50048 Advanced Pans OPS Using GNSS

Training Manager: AMA-800 Course Length: 80 hour(s)

This course is designed for experienced instrument procedures designers currently using PANS OPS. It provides an in-depth review of the criteria and applications of instrument approach and departure procedures. The course also covers recent changes in criteria, new criteria, and recent applications of the criteria. Particular emphasis w ill be placed on application of criteria to GNSS.

Prerequisites: 50047
And one of the following: None

50049 International ATC OJT Instructor Training

Training Manager: AMA-800 Course Length: 40 hour(s)

This course is designed to make air traffic control (ATC) on-the-job training (OJT) instructors and supervisors effective in the OJT environment and help them meet their obligations to provide effective training.

Prerequisites: 50039
And one of the following: None

50050 Air Traffic Radar Simulation Development Course

Training Manager: AMA-800 Course Length: 80 hour(s)

This course w ill teach participants how to build air traffic control scenarios utilizing Create 2000 softw are. System configuration, airspace, airports, approaches, maps, pilot, and controlller functions are also taught. The system is designed to be displayed and operated on PC platforms.

Prerequisites: None
And one of the following: None

50051 OASIS Training Manager

Training Manager: AMA-514 Course Length: 24 hour(s)

This Academy-conducted course is designed to prepare flight service staff specialists to use the training manager softw are provided on the Operational Supportability Implementation System (OASIS) to add users, capture data, edit captured data, initiate replays, and customize the training simulator for their site.

Prerequisites: None
And one of the following: None

50052 Air Traffic Quality Assurance Program (International)

Training Manager: AMA-800 Course Length: 56 hour(s)

This course is designed for managers and specialists who will be responsible for oversight and development of a quality assurance program for air traffic control facilities. Participants will receive instruction on performing facility evaluations, preparing accident/incident packages, and operational error or deviation investigation and reporting programs. Course will ultilize ICAO and FAA practices and procedure.

Prerequisites: None
And one of the following: None

50053 TARGETS - Application Software User Training

Training Manager: AMA-522 Course Length: 24 hour(s)

This course is designed for personnel with a need to use Terminal Area Route Generations, Evaluation and Traffic Simulations (TARGETS) application software in developing required navigation performance (RNP)/area navigation (RNAV) arrival and departure procedures. Using classroom instruction and practical exercises, the course will enable students to install/update the NFDC database; import/modify ARTS, STARS, or SDAT radar tracking data as appropriate; define and perform flyability evaluations of, arrival and departure procedures using a wide range of TARGETS' integrated design capabilities and visualization/simulation features; and export graphics, reports, and completed FAA forms.

Prerequisites: 50019
And one of the following: None

50113 National Traffic Management

Training Manager: ATO-220 Course Length: 28 hour(s)

In this course, students learn the promotion of a safe and efficient air transportation system through the system-wide application of traffic management processes. This seminar-style course involves a diverse group of aviation professionals in lectures and open discussions of current traffic management philosophy, as well as exploring the roles and relationships of the various entities influencing the daily operation of the National Airspace System. Participants are afforded the opportunity to visit the air traffic control system command center for familiarization.

Prerequisites: None
And one of the following: None

50114 CARF Indoctrination Course

Training Manager: ATO-220 Course Length: 24 hour(s)

This course is designed for military operations commanders and chiefs of military airfields whose duties require them to develop, process, and coordinate strategic military missions in the interest of national security. It consists of classroom and workshop activity with emphasis on the applications of FAA regulations and military procedures, both in domestic and foreign airspace. Upon completion of this course, aircraft commanders, FAA military liaison officers, and other interested personnel will have gained the knowledge and ability to implement military missions and coordinate necessary information for safe and expiditious military operations.

Prerequisites: None
And one of the following: None

50115 Enhanced Traffic Management Coordinator (ETMC)

Training Manager: AMA-522 Course Length: 64 hour(s)

This course is designed primarily for full-performance-level personnel newly selected for traffic management coordinator positions (specialist or supervisory) at all ARTCC's and TRACON/terminals. Other candidates could be supervisors, staff specialists, personnel required to perform traffic management duties, airway facility (AF/AOS) personnel, and non-FAA participants (domestic and international). The course consists of classroom and lab instruction. Subject areas include TM management system/unit (TMS/TMU), open-system workstation users, TM associated equipment, TM programs/procedures required for implementation, and weather coordinator duties.

Prerequisites: None
And one of the following: None

50118 VSCS Air Traffic Database Management

Training Manager: AMA-511 Course Length: 72 hour(s)

This training is designed for specialists responsible for maintaining the Voice Switching and Control System (VSCS) air traffic database. The course content is VSCS database management, sector communications, and administrative functions associated with the VSCS. It would be beneficial to the student to complete course 55046 prior to attending this course.

Prerequisites: None
And one of the following: None

50128 Air Traffic System Administrator for ETMS (Linux O/S)

Training Manager: AMA-520 Course Length: 80 hour(s)

This course is designed primarily for those personnel newly selected to be system administrators for the Linux O/S-based ETMS. The course consists of classroom and lab instruction. Subject areas include (Linux-based) ETMS administrator duties, to include major functions/tasks that they must be able to perform to administer the ETMS and enable its use. Database management, system security, and enabling and modifying user access are among the topics covered.

Prerequisites: None
And one of the following: None

50143 Air Traffic Basics (En Route)

Training Manager: AMA-511 Course Length: 200 hour(s)

The air traffic basics course is designed for new ly hired air traffic control specialists hired either competitively or through the cooperative education program. The course covers basic subjects that are prerequisite to option-specific skill training. There are no prerequisites for the course. The primary methods of instruction are lecture supplemented by embedded questions and discussion points, video segments, animation, tw o- and three-dimensional graphics, student handouts; and individual and group exercises.

Prerequisites: None
And one of the following: None

50144 Initial En Route Training

Training Manager: AMA-511 Course Length: 456 hour(s)

This course is designed for developmental en route air traffic control specialists (ATCS). It provides job-related know ledge and skill-oriented training. This training consists of classroom instruction, medium fidelity skills practice utilizing an interactive PC-based instructional system, and full fidelity simulation in an en route laboratory environment. Instruction provided w ill enable the developmental to progress into field-delivered stages of air traffic control training.

Prerequisites: 50143
And one of the following: None

50145 Initial En Route Training

Training Manager: AMA-511 Course Length: 456 hour(s)

This course is designed for developmental en route air traffic control specialists (ATCS). It provides job-related know ledge and skill-oriented training. The course consists of classroom instruction, medium fidelity skills practices utilizing and interactive PC-based instructional system, and full fidelity simulation in an en route laboratory environment. Instruction provided w ill enable the developmental to progress into field-delivered stages of air traffic control training.

Prerequisites: None
And one of the following: 50143

50201 FSS En Route Flight Advisory Service

Training Manager: AMA-514 Course Length: 144 hour(s)

This course is designed for new ly selected flight w atch specialists, facility training specialists, and first-line supervisors at flight w atch facilities. The course consists of classroom instruction and laboratory exercises on the flight w atch position in an automated flight service station (AFSS) and an in-depth study of w eather causes, effects, hazards, and the w eather products available to the flight w atch specialist. This course is pass/fail. It is recommended that students complete 57033 prior to attending this course.

Prerequisites: None
And one of the following: None

50242 Flight Service Initial Weather Training

Training Manager: AMA-514 Course Length: 168 hour(s)

This course teaches basic w eather theory. It contains all the w eather related information contained in the flight service initial qualification training program, course 50240. It is designed to prepare the student to take the national w eather service pilot w eather briefer's certification, w eather satellite interpretation, and w eather radar certification examinations. This course w ill prepare the student to enter a structured facility-conducted training program that w ill enable them to certify as a full-performance-level journeyman at an automated flight service station.

Prerequisites: None
And one of the following: None

50243 Air Traffic Basics (Flight Service)

Training Manager: AMA-514 Course Length: 200 hour(s)

The air traffic basics course is designed for new ly hired air traffic control specialists hired either competitively or through the cooperative education program. The course covers basic subjects that are prerequisite to option-specific skill training. There are no prerequisites for the course. The primary methods of instruction are lecture supplemented by embedded questions and discussion points, video segments, animation, tw o- and three-dimensional graphics, student handouts; and individual and group exercises.

Prerequisites: None
And one of the following: None

50244 Initial Flight Service Training

Training Manager: AMA-514 Course Length: 416 hour(s)

This course is initial training for individuals selected for the flight service option or transferring from either the terminal or en route option to the flight service option. It provides the necessary flight service and w eather know ledge to prepare the student to begin on-the-job training at a field flight service station.

Prerequisites: None
And one of the following: 50243, 50043, 50143

50245 Initial Flight Service Qualification Training

Training Manager: AMA-514 Course Length: 408 hour(s)

This course is initial qualification training for individuals selected for the flight service option or transferring from either the terminal or enroute option to the flight service option. It provides the necessary flight service and w eather know ledge to prepare the student to begin on-the-job training at a field flight service station that uses operational supportability implementation system (OASIS) to provide flight services to pilots.

Prerequisites: None
And one of the following: 50243, 50043, 50143, 50020

50248 OASIS Support Functions

Training Manager: AMA-514 Course Length: 24 hour(s)

This conventional course is designed to prepare flight service support functions staff to manage the Operational and Supportability Implementation System (OASIS). This course w ill include a more in-depth understanding of the OASIS. The course w ill enable the student to add/delete users, assign user privileges, activate remote w orkstations, create e-mail addresses, manage facility graphics, transition the system database to a new 56-day update, and perform system troubleshooting.

Prerequisites: 57248
And one of the following: None

50302 Air Traffic Familiarization for Executives

Training Manager: AMA-521 Course Length: 24 hour(s)

This course is for executives from government and industry associated w ith aviation w ho require a general understanding of the air traffic system. It w ill assist in the development of a broad understanding of the services provided, the procedures employed, and the problems encountered in air traffic control (ATC). The course consists of classroom instruction and tours to facilities w hen time and conditions permit. Subject areas include the nation's airspace, navigational aids and airports, and air traffic services, and facilities.

Prerequisites: None
And one of the following: None

50310 Air Traffic Facility Training Administration

Training Manager: AMA-521 Course Length: 48 hour(s)

This course consists of classroom and lab instruction on identification of training orders and documents, training administration requirements, records management, team interaction, facility training responsibilities, qualification training requirements, proficiency training requirements, operational requirements, and documentation. A strong emphasis is placed on w orkshop activity and the importance of the 3120.4 air traffic technical training order.

Prerequisites: None
And one of the following: None

50314 Quality Assurance Program Administration

Training Manager: AMA-521 Course Length: 48 hour(s)

This course is designed primarily for new ly assigned air traffic quality assurance managers and specialists in en route centers, terminals, and flight service stations. The course consists of classroom and laboratory instruction on air traffic control documents pertaining to the quality assurance programs in air traffic facilities. Participants w ill receive instruction on facility evaluations, preparing accident and incident files, performing accident and incident analysis, and administering the operational error and deviation investigation and reporting program.

Prerequisites: None
And one of the following: None

50316 Air Traffic Facility Manager

Training Manager: AMA-521 Course Length: 70 hour(s)

This course is designed primarily for persons selected for their first air traffic (AT) facility manager's position. Other candidates are facility officers, supervisors, staff specialists, and personnel identified for supervisory positions. The course consists of classroom and laboratory instruction w ith AT facility management documents pertaining to the management of an AT facility. Students receive instruction on day-to-day management of an AT facility including budget and procurement, training, accident/incident reports, negotiating w ith FAA/non-FAA offices, LMR, leadership, travel, HRM, and administrative skills. Team building, travel manager, and IPPS have been integrated.

Prerequisites: None
And one of the following: None

50319 Operational Supervisor's Workshop-Cadre Facilitator Training

Training Manager: AMA-521 Course Length: 28 hour(s)

This course prepares cadre instructors for delivery of Course 55047, ATC Operational Supervisors. The activities include group discussions, team activities, case study exercises, and interactive instructions. The course content includes administrative, technical, and human relations skills necessary for operational supervisors to accomplish their day-to-day tasks. Emphasis is placed on instructional content and delivery methods, utilizing group facilitation skills.

Prerequisites: None
And one of the following: None

50328 Air Traffic Facility Managers' Best Practices

Training Manager: AMA-521 Course Length: 28 hour(s)

This is a graduate-level, facilitated w orkshop designed exclusively for experienced air traffic facility managers and deputies. The course is interactive w ith group discussions on the content areas of communication, operational errors/operational deviations, pitfalls, joint decision making, and leadership..

Prerequisites: None
And one of the following: None

50329 Air Traffic Training Administration (International)

Training Manager: AMA-800 Course Length: 48 hour(s)

This course consists of classroom and lab instruction on development of training orders and documents, training administration recommendations, records management, team interaction, facility training responsibilities, qualification training, recertification training, management, and other training recommendations and documentation.

Prerequisites: None
And one of the following: None

50331 Fundamentals of ATC OJTI: Facilitator Cadre Training

Training Manager: AMA-521 Course Length: 25 hour(s)

This training prepares classroom instructors to present the OJTI course at field facilities. Cadre training w ill reveiw the course contents including OJT environment, learning process, training team process, and OJT process. Participants w ill practice presenting course materials.

Prerequisites: None
And one of the following: None

50334 ATC Teamwork Enhancement (ATTE): Facilitator Training

Training Manager: AMA-521 Course Length: 28 hour(s)

Prepares cadre instructors to present the air traffic teamw ork enhancement controller w orkshop. Participants w ill be given instruction in facilitation skills, w orkshop content, and training methods. Topic areas include: understanding air traffic teamw ork; being a resource; communicating w ith others; and managing conflict and stress. Participants w ill be provided w ith a complete set of instructor materials.

Prerequisites: None
And one of the following: None

50408 Cadre Training for Airport Surface Detection Equipment -3

Training Manager: AMA-513 Course Length: 16 hour(s)

This course is the cadre (train-the-trainer) course for those persons w ho w ill teach Course 55042, Airport Surface Detection Equipment - 3 (ASDE-3), in the field. The course consists of classroom and laboratory instructions on the new ASDE-3 system.

Prerequisites: None
And one of the following: None

53004 Common ARTS for Air Traffic Support Specialists

Training Manager: AMA-522 Course Length: 64 hour(s)

This course is designed for air traffic terminal support specialists at automated radar approach control facilities that are or w ill be utilizing the ARTS IIE or ARTS IIIE Common Automated Radar Terminal System (Common ARTS). It provides the necessary skills, know ledge, and abilities, through classroom lecture and practical laboratory exercises required to perform the air traffic functions associated w ith the common ARTS support specialists tasks.

Prerequisites: None
And one of the following: None

53016 ARTS IIIA for Air Traffic Support Specialists

Training Manager: AMA-522 Course Length: 24 hour(s)

This course is designed for terminal air traffic control specialists selected as support specialists at facilities utilizing ARTS IIIA equipment. The course provides instruction on the air traffic support duties and responsibilities as defined by FAA Order 6000.51A. Lessons are conducted in a PC classroom environment to enhance lecture presentations and w ork exercises. Some scenario testing of a CDR activity is conducted in an ARTS IIIA laboratory environment.

Prerequisites: None
And one of the following: None

53017 STARS for Air Traffic Support Specialists

Training Manager: AMA-522 Course Length: 96 hour(s)

This course is designed for air traffic terminal support specialists at automated radar approach control facilities that either currently or are scheduled to utilize the full service (FS) level of Standard Terminal Automation Replacement System (STARS). Instruction is provided on the air traffic support duties and responsibilities as defined by applicable FAA orders. Using classroom instruction and practical laboratory exercises, the course provides attendees w ith the know ledge, skills, and abilities required to perform functions associated w ith the air traffic support specialists' responsibilities in a STARS environment.

Prerequisites: None
And one of the following: None

53034 Full STARS ATcoach Scenario Generation Training

Training Manager: AMA-512 Course Length: 40 hour(s)

This course is designed to develop the skills necessary to build complex training scenarios for later use in the full STARS configuration. The student/participant will learn to use peripheral devices and ATcoach applications necessary to construct scenarios of varying intensities for use in the local approach control environment. The student/participant will develop scenarios using both instructor-guided labs and self-paced lab instruction.

Prerequisites: None
And one of the following: None

55015 Denro, Type I ICSS

Training Manager: AMA-513 Course Length: 8 hour(s)

This course is designed for air traffic control specialists (ATCS) who operate Denro, Type I Integrated Communications Switching System (ICSS) equipment. The course includes general theory characteristics and provides instructions for system startup, operation, and shutdown. It includes both normal and emergency operating procedures.

Prerequisites: None
And one of the following: None

55016 ATCS Litton II ICSS

Training Manager: AMA-513 Course Length: 6 hour(s)

This course is designed for air traffic control specialists (ATCS) who operate the Litton, Type II Integrated Communications Switching System (ICSS) equipment. The course includes equipment capabilities, provides tabular instructions for system startup, operation, and shutdown.

Prerequisites: None
And one of the following: None

55017 Supervisory ATCS/Staff Specialist Litton II ICSS

Training Manager: AMA-513 Course Length: 16 hour(s)

This course is designed for supervisory air traffic control specialists (SATCS), staff specialists, and system administrators who operate and program the Integrated Communications Switching System (ICSS) equipment. The course includes an introduction to microcomputers, equipment programming, and system startup, operations, and shutdown.

Prerequisites: 55016
And one of the following: None

55022 Terminal Site-Specific Radar ATC

Training Manager: ATX-100 Course Length: 136 hour(s)

This course is the initial terminal radar training for site-specific radar. The course must meet the requirements listed in the Terminal Instructional Program Guide (IPG). The curriculum shall be the current approved curriculum used for Course 50034, Terminal Basic Radar Training, conducted at the FAA Academy Radar Training Facility (RTF).

Prerequisites: None
And one of the following: None

55025 Flight Service Controller-In-Charge (CIC)

Training Manager: AMA-514 Course Length: 24 hour(s)

This course is for full-performance-level controllers who have temporarily assumed the responsibility of the facility operations supervisor position. This course provides comprehensive training in the operation of this position. Classroom subjects include facility administration, facility operations, aircraft incident and accident reports, and equipment outages. Successful completion of this course will qualify controllers to perform the duties of controller-in-charge.

Prerequisites: None
And one of the following: None

55034 Model 1 Full Capacity (M1FC) Specialist Training

Training Manager: AMA-514 Course Length: 80 hour(s)

This is field training for automated flight service specialists with previous flight service experience at a conventional station, but without previous Model 1 experience. The course covers all aspects of the Model 1 Full Capacity (M1FC) System as it pertains to the flight service specialist function.

Prerequisites: None
And one of the following: None

55036 Model 1 Full Capacity (M1FC) Supervisor Training

Training Manager: AMA-514 Course Length: 32 hour(s)

This is field training for automated flight service supervisors with

previous flight service experience at a conventional station, but without previous Model 1 experience. The course covers all aspects of the Model 1 Full Capacity (M1FC) system as it pertains to the flight service supervisor function.

Prerequisites: 55034
And one of the following: None

55037 Airport Surveillance Radar, ASR-7

Training Manager: AMA-513 Course Length: 40 hour(s)

This course is designed to train air traffic control specialists (ATCS), facility staff, supervisory, and managerial personnel in the use and operation of the Airport Surveillance Radar (ASR-7) system. The course consists of classroom and laboratory instruction on the ASR-7 system. This training will enable facility personnel to attain certification of the ASR-7 equipment.

Prerequisites: None
And one of the following: None

55038 Airport Surveillance Radar, ASR-8

Training Manager: AMA-513 Course Length: 40 hour(s)

This course trains air traffic sontrol specialists (ATCS), facility staff, supervisory, and managerial personnel in the use and operation of the ASR-8 system. The course consists of classroom and laboratory instruction on the ASR-8 system. The training will enable facility personnel to attain certification on the ASR-8 equipment.

Prerequisites: None
And one of the following: None

55039 Precision Runway Monitor (PRM)

Training Manager: AMA-513 Course Length: 40 hour(s)

This course is designed to train air traffic control specialists (ATCS) and supervisory personnel in the use of the Precision Runway Monitor (PRM) System. The course consists of classroom instruction and laboratory exercises to teach the characteristics, capabilities, set-up, initialization, operation, and shutdown of the PRM System. This training enables facility personnel to function within the PRM operational environment. The course is designed for 8 hours of classroom lecture and 8 hours of lab/simulation.

Prerequisites: None
And one of the following: None

55040 Airport Surveillance Radar, ASR-9

Training Manager: AMA-513 Course Length: 40 hour(s)

This course is designed to train air traffic control specialists (ATCS), facility staff, supervisory, and managerial personnel in the use and operation of the ASR-9. The course consists of classroom and laboratory instruction on the ASR-9 System. This training will enable facility personnel to attain certification on the ASR-9 equipment.

Prerequisites: None
And one of the following: None

55042 Airport Surface Detection Equipment (ASDE)-3

Training Manager: AMA-513 Course Length: 8 hour(s)

This course is designed to train air traffic control specialists (ATCS), facility staff, supervisory, and managerial personnel in the use and operation of the ASDE-3 System. The course consists of classroom and laboratory instruction on the new ASDE-3 System. This training will enable facility personnel to attain certification on the ASDE-3 equipment.

Prerequisites: None
And one of the following: None

55044 VSCS Air Traffic Control Specialist Operations Course

Training Manager: AMA-511 Course Length: 16 hour(s)

This course is designed for air traffic controllers who operate the Voice Switching and Control System (VSCS). It includes keyboard and display module functions, system overview, and equipment operations.

Prerequisites: None
And one of the following: None

55046 VSCS Supervisory Air Traffic Control Specialist Course

Training Manager: AMA-511 Course Length: 40 hour(s)

This course will instruct supervisory air traffic controllers how to use the Voice Switching and Control System (VSCS) supervisory workstation. It consists of keyboard functions, system overview, and supervisory position equipment.

Prerequisites: 55044
And one of the following: None

55047 ATC Operational Supervisor's Workshop

Training Manager: AMA-521 Course Length: 32 hour(s)

This training is field conducted. It is for operational supervisors. This course will train supervisors how to accomplish their day-to-day

tasks through the provisions of administrative, technical, and human relations skills. Activities included will assist supervisors in incorporating team building skills into their daily job functions. The course consists of classroom instruction, case-study exercises, and joint problem activities.

Prerequisites: None
And one of the following: None

55049 Fundamentals of ATC On-The-Job Instruction (OJTI)

Training Manager: AMA-521 Course Length: 24 hour(s)

This course is designed to make on-the-job (OJT) instructors and supervisors effective in the OJT environment and help them to meet their obligations under FAA Order 3120.4. This course is mandatory for newly selected ATC OJTI's.

Prerequisites: None
And one of the following: None

55051 Air Traffic Controllers Teamwork Enhancement Workshop

Training Manager: AMA-521 Course Length: 24 hour(s)

Designed primarily for en route and terminal controllers to improve individual and team performance and maximize use of personal and team resources. Delivered in an active, participative environment. Topic areas include understanding air traffic teamwork, communicating with others, being a resource, and managing conflict and stress.

Prerequisites: None
And one of the following: None

55053 Assistant Controller Training Stage II

Training Manager: AMA-511 Course Length: 0 hour(s)

Purpose of this training is to provide the specific skills needed to enter on-the-job training and to prepare the individual to qualify and certify on all assistant controller positions and to obtain certification on those positions.

Prerequisites: None
And one of the following: None

55054 Nonradar/Radar-Associated Controller Training Stage III

Training Manager: AMA-511 Course Length: 0 hour(s)

This course will provide students with the knowledge and skills necessary to perform nonradar/radar-associated controller duties under live traffic conditions. Students should demonstrate the ability to perform independently all duties of the position on all sectors within the assigned area of specialization and attain certification on those sectors. An optional training path is offered to allow the individual to begin radar training before certifying on all nonradar/radar-associated positions.

Prerequisites: None
And one of the following: None

55055 Radar Controller Training - En Route Stage IV

Training Manager: AMA-511 Course Length: 0 hour(s)

This training qualifies individuals to perform the full range of duties to attain certification on all radar positions of operation in an area of specialization.

Prerequisites: None
And one of the following: None

55056 Optional En Route Stage III Training Path - Initial

Training Manager: AMA-511 Course Length: 0 hour(s)

This training provides the knowledge and skills necessary to attain certification on the first two nonradar-associated control positions, followed by the first two radar positions of operation in an area of specialization.

Prerequisites: None
And one of the following: None

55057 Optional En Route Stage IV Training Path - Final

Training Manager: AMA-511 Course Length: 0 hour(s)

Qualifies the individual for certification on the remaining nonradar/radar-associated control positions and radar positions of operation in an area of specialization.

Prerequisites: None
And one of the following: None

55059 OSHA 29CRF 1960.20, Emergency Exit Routes in ATC Towers

Training Manager: ANS-500 Course Length: 2 hour(s)

This vendor-developed course provides training for air traffic control and airway facilities personnel on requirements for ATC towers with

one means of exit. The course consists of a lesson plan including handouts, train-the-trainer workbook, employee handbook, video-based training, and end-of-lesson test.

Prerequisites: None
And one of the following: None

55060 Flight Data

Training Manager: AMA-513 Course Length: 0 hour(s)

Self-study course that prepares the student for qualification and certification on the flight data position. This course includes lessons titled: Compile Statistical Data, Prepare and Distribute Flight Data, Operation of FAA Interphone System, Receive and Relay Weather Information, Unusual Situations, Receive and Relay NOTAM Information, Operation of ATIS, Operation of Standby Radio Equipment, Monitoring Navigational Aids, Operation of FDIO Equipment, and Tower Visibility.

Prerequisites: None
And one of the following: None

55061 Clearance Delivery

Training Manager: AMA-513 Course Length: 0 hour(s)

This is a self-study course which prepares the student for clearance delivery position qualification and certification.

Prerequisites: None
And one of the following: None

55062 Ground Control

Training Manager: AMA-513 Course Length: 0 hour(s)

This is a self-study course that prepares the student for qualification and certification on the ground control position. This course includes lessons titled: aircraft recognition and characteristics; airport utilization; console instruments; ground control procedures; taxi information and clearances; emergency procedures; and unusual situations.

Prerequisites: None
And one of the following: None

55063 Local Control/Cab Coordinator Position Training

Training Manager: AMA-513 Course Length: 8 hour(s)

This is a self-study course that prepares the student for qualification and certification on the local control position. This course includes lessons titled: airport lighting separation minima; heavy jet and wake turbulence separation procedure; runway use and related information; and helicopter aerodynamics.

Prerequisites: None
And one of the following: None

55064 Facility Training - Nonradar Terminal Control

Training Manager: AMA-513 Course Length: 8 hour(s)

This is a self-study course that prepares the student for qualification and certification on non-radar terminal control. This course includes lessons titled: separation; initial separation of departures/arrivals; stripmarking; IFR charts and publications; IFR procedures and holding; departure procedures and phraseology; emergencies; and communications failure.

Prerequisites: None
And one of the following: None

55065 Facility Training - Radar Control Terminal

Training Manager: AMA-513 Course Length: 0 hour(s)

This is a self-study course that prepares the student for radar control position qualification and certification. This course includes lessons titled: primary and secondary radar; radar identification procedures; separation procedures; beacon codes; departures; transfer of radar identification; arrival procedures; vectoring speed adjustments; handling high performance aircraft; airfiles; practice instrument approaches; VFR-on-top operations; special VFR operations; additional services; visual approaches; terminal VFR radar service; surveillance approach procedures; emergencies; hijacking; radio failure; overdue aircraft; and fuel dumping.

Prerequisites: None
And one of the following: None

55071 Automated Radar Terminal System IIIA

Training Manager: AMA-513 Course Length: 40 hour(s)

This Academy-developed course is designed to teach air traffic control specialists, supervisory, and staff personnel the functions, operations, and keyboard entries of the Automated Radar Terminal System (ARTS IIIA). Classroom instruction and laboratory exercises cover the computer subsystems, operational and support programs, display data and controls, data blocks, the controller quick reference card, and the keyboard inputs.

Prerequisites: None
And one of the following: None

55072 Controller-In-Charge (CIC) (En Route)

Training Manager: AMA-530 Course Length: 8 hour(s)

This lesson covers topics necessary to train full-performance-level air traffic control specialists selected for CIC in the en route option.

Prerequisites: 57057
And one of the following: None

55073 Controller-In-Charge (CIC) (Terminal)

Training Manager: AMA-530 Course Length: 8 hour(s)

This course covers topics necessary to train full-performance-level air traffic control specialists selected for CIC duties in the terminal environment. Completion of course 57060 is prerequisite to this course.

Prerequisites: 57060
And one of the following: None

55075 ASDE-X ATCS Course

Training Manager: ATX-100 Course Length: 13 hour(s)

This course provides the knowledge and skills air traffic control specialists (ATCS) require to operate the ASDE-X System and supervisors/controllers in charge require to supervise ASDE-X operations. The course consists of computer-based instruction, classroom instruction, and hands-on exercises on ASDE-X equipment. Subject matter includes: ASDE-X overview, memorandum of understanding, controller interface, ASDE-X applications, and procedures.

Prerequisites: None
And one of the following: None

55076 Radar Gateway (RGW) Controller Training

Training Manager: ATX-100 Course Length: 4 hour(s)

This course covers the features and functions of the radar gateway. Enhanced radar gateway is a backup system to provide some automation capability in the event of a failulre of the ARTS platform. This course is for facilities that have ARTS color displays (ACD). The training is for certified professional controllers and developmentals. The course is 4 to 8 hours in length including lecture and lab depending on the number of students. The course covers equipment features and functions and the ARTS entries needed to transition to and from radar gateway.

Prerequisites: 55079
And one of the following: None

55077 AFSS NOTAM Short Term Solution (NSTS)

Training Manager: AMA-530 Course Length: 2 hour(s)

This course is designed as conventional self study to assist the flight service specialist in the operation of the NSTS System. The tutorial gives a basic overview of the NSTS display. It provides a basic understanding of the NSTS display characteristics and how to deal with NOTAMS when using the NSTS System.

Prerequisites: None
And one of the following: None

55079 ARTS Color Display Training for Air Traffic Controllers

Training Manager: ATX-100 Course Length: 8 hour(s)

This course is to train air Traffic control specialists to functionally operate the ARTS color display. The course consists of 3 hours of lecture, 3 hours of lab followed by a review, and a 1 hour performance check. This training to be conducted at field facilities.

Prerequisites: None
And one of the following: None

55082 Spring 2001 Field Training

Training Manager: ATT-240 Course Length: 8 hour(s)

This course is for field facility managers, NATCA representatives, airline dispatchers from airline operations centers, and the air traffic control system command center controllers. Subjects covered are airline operational responsibilities, philosophy, dispatcher functions, communications, and computer capabilities. The FAA's mission, structure, and roles and responsibilities of ATCSCC, ARTCC's, ARTCC sectors, and TRACON's are discussed. Clarification of tools and techniques used to analyze situations and solve systemic problems in the NAS are covered. The effective use of the communications process to disseminate NAS information in a timely, accurate, and efficient manner are reviewed.

Prerequisites: None
And one of the following: None

55084 Tower Data Link Services (TDLS) ATCS

Training Manager: AMA-530 Course Length: 6 hour(s)

This course provides instruction in the operation of TDLS for ATCS's. The training consists of approximately 4 hours of computer-based instruction (CBI) and 2 hours on-the-job training and includes a performance check at the end of the training. The CBI covers basic system architecture and characteristics, components, and instruction on the three applications within TDLS: (1) pre-departure clearances (PDC); (2) flight data input/output (FDIO); and (3) digital automatic terminal information services (D-ATIS).

Prerequisites: None
And one of the following: None

55085 Tower Data Link Services Application Specialists Training

Training Manager: AMA-530 Course Length: 40 hour(s)

This training provides the resources and guidance necessary for the incumbent TDLS application specialist to conduct on-the-job training for application specialist tasks in support of TDLS. Note the name of this position changed from system administrator to application speciailst following the technology refresh in 2001-2002. The course consists of several guided sessions consisting of reading the manual followed by a one-on-one tutorial, demonstration, practice, and a performance check.

Prerequisites: 55084
And one of the following: None

55086 Remote ARTS Color Display (R-ACD) for Air Traffic

Training Manager: AMA-513 Course Length: 7 hour(s)

This course is designed for terminal air traffic control specialists who will use Remote ARTS Color Display (R-ACD) equipment. This course covers the functional use of R-ACD. It is conducted by facility personnel at field sites and is comprised of a classroom lecture followed by hands on training on ACD/R-ACD equipment utilizing an ETG scenario, simulated 6 level weather display, student guides, laboratory guides, reference documents, and performance checklist.

Prerequisites: None
And one of the following: None

55087 URET Training for Air Traffic Control Specialists

Training Manager: ATX-100 Course Length: 40 hour(s)

This course consists of 5 days of instruction containing CBI, classroom lecture, and DYSIM practice scenarios. Each training day utilizes all of these instructional methods to teach and reinforce the concepts and methods for using the User Request Evaluation Tool (URET).

Prerequisites: None
And one of the following: None

55088 ASDE-X Cadre Course

Training Manager: ATX-100 Course Length: 20 hour(s)

This course provides the knowledge and skills cadre personnel require to effectively train AT cadre instructor personnel on the ASDE-X System. The course consists of computer-based instruction, classroom instruction and hands-on exercises on ASDE-X equipment. Subject matter includes: ASDE-X overview ; memorandum of understanding; situation monitoring; adjusting ASDE-X settings; monitoring system operations; national procedures; monitor system operation; and supervisor/CIC procedures.

Prerequisites: None
And one of the following: None

55089 OASIS Controller-In-Charge (CIC) Training

Training Manager: AMA-514 Course Length: 12 hour(s)

This conventional course is designed to prepare flight service specialists to perform supervisory functions on the Operational and Suportability Implementation System (OASIS) when serving as controller-in-charge (CIC). This course will include a more in-depth understanding of the OASIS that will enable the CIC to monitor the system for errors and interact with the OASIS hotline to resolve system problems.

Prerequisites: 55248
And one of the following: None

55090 AMASS ATCS Training

Training Manager: AMA-530 Course Length: 8 hour(s)

This course provides instruction in the operation of Airport Movement Area Safety System (AMASS) Build 5 for air traffic control specialists (ATCS) and supervisory ATCS/controllers in charge (SATCS/CIC). The course consists of 5 hours of classroom lecture, 1 hour CBI, and 30 minutes of testing. The classroom lecture covers operation of the system and national ATCS and SATCS/CIC procedures. The CBI provides a reveiw of AMASS symbology and keyboard entries and may be used for refresher training. The CBI includes knowledge and performance checks that both require 100 percent correct performance and provide reviews for items that are perfored incorrectly.

Prerequisites: None
And one of the following: None

55091 User Request Evaluation Tool Operational Support Spec

Training Manager: ATX-100 Course Length: 8 hour(s)

This course is for individuals that will be working the operational manager in charge (OMIC), operational supervisors in charge (OSIC), or traffic management coordinator (TMC) positions in enroute facilities that will be transitioning to the user request evaluation tool (URET). This is a 1-day course that familiarizes the student with URET functionalities. It also includes input for airspace information changes, equipment outages, and local and national procedures for using URET. The course contains lecture, computer-based instruction, and designated dynamic simulation DYSIM practice.

Prerequisites: None
And one of the following: None

55092 EFSTS Air Traffic Training

Training Manager: ATX-100 Course Length: 1 hour(s)

The course provides instruction in the proper operation of Electronic Flight Strip Transfer System (EFSTS) equipment for ATCS, SATCS, and CIC's. The course consists of approximately 1 hour of interactive instruction and includes a performance check at the end of the training. The course covers system components, characteristics, and proper operations of EFSTS.

Prerequisites: None
And one of the following: None

55093 Stand Alone Tower Display System (ARTS 1E)

Training Manager: ATX-100 Course Length: 24 hour(s)

This course is for low traffic density towers not associated with a TRACON that have the capability of receiving a long or short range radar feed. The radar feed is fed through the ARTS 1E System and displayed on a remote ARTS color display. The course covers equipment functionality and ARTS entries needed to operate the system. There is a lesson plan on MOSAIC included as an appendix for facilities that have the capability of receiving radar feeds from more than one sensor.

Prerequisites: None
And one of the following: None

55094 International Pilot Weather Briefing

Training Manager: AMA-514 Course Length: 8 hour(s)

This course is conducted by National Weather Service instructors and is intended for certified pilot weather briefers. It contains additional weather information specifically designed for international pilot weather briefers. It teaches the differences between the northern and southern hemispheres and the additional weather products not normallly used in domestic pilot weather briefing.

Prerequisites: None
And one of the following: None

55095 NATPRO Cadre Instructor

Training Manager: AMA-530 Course Length: 24 hour(s)

This course is designed to give the skills and knowledge to cadre instructors of the NATPRO program. It provides background information on the development of concepts in the NATPRO program series, as well as instructor techniques for facility implementation.

Prerequisites: None
And one of the following: None

55096 NATPRO

Training Manager: AMA-530 Course Length: 17 hour(s)

This is a combined conventional and CBI course. The first 2 hours are conventional classroom instruction designed to increase air traffic controllers' awareness of cognitive skills that affect performance on the job. Specifically targeted is: centering, being in the zone, attention allocation strategies, visualization, and concentration. The course is presented in a way that relates to the real world and uses similar concepts found in athletic improvement programs. The classroom instruction is followed by 15 hours of computer-based skill building scenarios.

Prerequisites: None
And one of the following: None

55097 Mosaic Controller Trainig

Training Manager: ATX-100 Course Length: 4 hour(s)

This course covers the features of the Mosaic controller input. This course is for facilities that have ARTS color displays (ACD's) or remote ARTS color displays (R-ACD's) with Mosaic capabilities. Mosaic is an ARTS feature with the capability of providing radar feeds from both long- and short-range radars. The training is for certified professional controllers that are ARTS proficient. The course is 4 hours in length including lecture and lab. It covers equipment features and functions and the ARTS entries needed to operate the system in Mosaic mode.

Prerequisites: 55079
And one of the following: None

55098 Domestic Reduced Vertical Separation (DRVSM)

Training Manager: ATX-100 Course Length: 10 hour(s)

This course is for the implementation of reduced vertical separation between flight level two nine zero and flight level four one zero within the contiguous United States. It is designed for en route certified professional controllers, developmentals, and operational supervisors. Training consists of 2 hours computer-based instruction, a classroom briefing, and dynamic simulation (DYSIM) scenarios. Curriculum contains new phraseology, national and local procedures, and practice scenarios.

Prerequisites: None
And one of the following: None

55116 Traffic Management Coordinator Facility Training

Training Manager: AMA-522 Course Length: 40 hour(s)

The course is designed primarily for Traffic Management System personnel who have completed course 50115 and are training for position certification at all ARTCC's, Level 4 and 5 TRACON's, and the ATCSCC. It will allow for local policies and procedures to be included in the instruction. It will also provide refresher training for TM personnel to renew their knowledge of national and local rules and regulations. The course consists of classroom instruction and on-the-job training (OJT). The specialists will be able to perform, under normal supervision, the duties of the traffic management specialist for each operating position in the Traffic Management Unit.

Prerequisites: 50115
And one of the following: None

55225 Flight Service Station Area Knowledge

Training Manager: AMA-514 Course Length: 0 hour(s)

This course is Phase IV of the flight service facility qualification and certification training. It provides the developmental with the knowledge necessary to begin position qualification training. The training is conducted in accordance with Air Traffic Technical Training, Order 3120.4H.

Prerequisites: None
And one of the following: None

55226 Flight Service Station (FSS) Weather Observer

Training Manager: AMA-514 Course Length: 0 hour(s)

This course, Phase V of the flight service facility qualification and certification training, it provides on-the-job training for position qualification and certification to perform weather observer duties. Training is conducted in accordance with Air Traffic Technical Training, Order 3120.4H.

Prerequisites: None
And one of the following: None

55228 Flight Service Station (FSS) Broadcast

Training Manager: AMA-514 Course Length: 0 hour(s)

This course, Phase VI of the flight service facility qualification/certification training, provides on-the-job training for position qualification and certification to perform broadcast duties. This training is conducted in accordance with Air Traffic Technical Training, Order 3120.4.

Prerequisites: None
And one of the following: None

55229 Flight Service Station (FSS) Flight Data

Training Manager: AMA-514 Course Length: 0 hour(s)

This course, Phase VII of the flight service facility qualification/certification training, provides on-the-job training for position qualification and certification to perform flight data duties. This training is conducted in accordance with Air Traffic Technical Training, Order 3120.4.

Prerequisites: None
And one of the following: None

55230 Flight Service Station (FSS) Preflight

Training Manager: AMA-514 Course Length: 0 hour(s)

This course, Phase VIII of the flight service facility qualification/certification training, provides on-the-job training for position qualification and certification to perform preflight duties. This training is conducted in accordance with Air Traffic Technical Training, Order 3120.4H.

Prerequisites: None
And one of the following: None

55231 Flight Service Station (FSS) In-Flight

Training Manager: AMA-514 Course Length: 0 hour(s)

This course, Phase ix of the flight service facility qualification/certification training, provides on-the-job training for position qualification and certification to perform in-flight duties. This training is conducted in accordance with Air Traffic Technical Training, Order 3120.4.

Prerequisites: None
And one of the following: None

55234 ICSS Specialist Training-Litton Type III

Training Manager: AMA-514 Course Length: 16 hour(s)

This course is designed for automated flight service station (AFSS) personnel who use the Integrated Communications Switching System (ICSS), Litton, Type III equipment. It is conducted by facility training specialists at AFSS sites and consists of classroom instruction and laboratory exercises. The subject areas include the use of the ICSS equipment; intercom, interphone, and radio functions; the Automatic Call Distribution (ACD) system; and the Voice Retrieval and Store (VRS) system.

Prerequisites: None
And one of the following: None

55235 ICSS Supervisor Training-Litton Type III

Training Manager: AMA-514 Course Length: 32 hour(s)

This course is designed for automated flight service station (AFSS) supervisory personnel who use the Integrated Communications Switching System (ICSS), Litton, Type III equipment. It is conducted by facility training specialists at AFSS sites and consists of classroom instruction and laboratory exercises. The subject areas include the system control unit (SCU); the automatic call distribution voice retrieval and store (ACD/VRS) audio bridge, monitoring the ACD, recording ACD system prompts, extracting data from the Management Information System (MIS), and modifying agents in the MIS.

Prerequisites: 55234
And one of the following: None

55239 Automated Flight Service Station (AFSS) Area Knowledge

Training Manager: AMA-514 Course Length: 0 hour(s)

This course, Phase IV-A of the automated flight service facility qualification and certification training, it provides the developmental with the knowledge necessary to begin position qualification training in a Model 1 equipped AFSS. Training is conducted in accordance with Air Traffic Technical Training, Order 3120.4

Prerequisites: None
And one of the following: None

55240 Automated Flight Service Station (AFSS) Weather Observer

Training Manager: AMA-514 Course Length: 0 hour(s)

This course is Phase V-A of the automated flight service facility qualification and certification training. It provides on-the-job training for position qualification and certification to perform weather observer duties. Training is conducted in accordance with Air Traffic Technical Training, Order 3120.4.

Prerequisites: None
And one of the following: None

55241 Automated Flight Service Station (AFSS) Broadcast

Training Manager: AMA-514 Course Length: 0 hour(s)

This course, Phase VI-A of the automated flight service facility qualification and certification training. It provides on-the-job training for position qualification and certification to perform broadcast duties. Training is conducted in accordance with Air Traffic Technical Training, Order 3120.4.

Prerequisites: None
And one of the following: None

55242 Automated Flight Service Station (AFSS) Flight Data/Edit

Training Manager: AMA-514 Course Length: 0 hour(s)

This course, Phase VII-A of the automated flight service facility qualification/certification training, provides on-the-job training for position qualification/certification to perform flight data duties. Training is conducted in accordance with Air Traffic Technical Training, Order 3120.4

Prerequisites: None
And one of the following: None

55243 Automated Flight Service Station (AFSS) NOTAM

Training Manager: AMA-514 Course Length: 0 hour(s)

This course is Phase VIII-A of the automated flight service facility qualification and certification training. It provides on-the-job training for position qualification and certification to perform NOTAM duties. Training is conducted in accordance with Air Traffic Technical Training, Order 3120.4

Prerequisites: None
And one of the following: None

55244 Automated Flight Service Station (AFSS) Preflight

Training Manager: AMA-514 Course Length: 0 hour(s)

This course is Phase IX-A of the automated flight service facility qualification and certification training. It provides on-the-job training for position qualification and certification to perform preflight duties. Training is conducted in accordance with Air Traffic Technical Training, Order 3120.4.

Prerequisites: None
And one of the following: None

55245 Automated Flight Service Station (AFSS) Inflight

Training Manager: AMA-514 Course Length: 0 hour(s)

This course is Phase X-A of the automated flight service facility

qualification and certification training. It provides on-the-job training for position qualification and certification to perform inflight duties. This training is conducted in accordance with Air Traffic Technical Training, Arder 3120.4.

Prerequisites: None
And one of the following: None

55246 Automated Flight Service Station (AFSS) Coordinator

Training Manager: AMA-514 Course Length: 0 hour(s)

This course is Phase XI-A of the automated flight service facility qualification and certification training. It provides on-the-job training for position qualification and certification to perform coordinator duties. This training is conducted in accordance with Air Traffic Technical Training, Order 3120.4.

Prerequisites: None
And one of the following: None

55247 FSS/AFSS En Route Flight Advisory Service (EFAS)

Training Manager: AMA-514 Course Length: 0 hour(s)

This course is Phase XII-A of the automated flight service facility qualification and certification training, It provides on-the-job training for position qualification and certification to perform en route flight advisory service (EFAS) duties. This training is given only at facilities with EFAS positions and to individuals selected to staff these positions. This training is conducted in accordance with Air Traffic Technical Training, Order 3120.4.

Prerequisites: None
And one of the following: None

55248 OASIS Specialist Training

Training Manager: AMA-514 Course Length: 56 hour(s)

This course is an integral part of a computer-based and conventional training program designed to prepare flight service specialists to operate the Operational and Supportability Implementation System (OASIS) through interaction with the Weather Information and Navigational Graphics System (WINGS) and Weather Information Network Display (WIND) application software. These two software programs are the specialist's interface to flight planning and weather information.

Prerequisites: 57248
And one of the following: None

55249 OASIS Supervisor Training

Training Manager: AMA-514 Course Length: 16 hour(s)

This conventional course is designed to prepare flight service supervisors to manage the Operational and Supportability Implementation System (OASIS). The course will include a more in-depth understanding of the OASIS that will enable the supervisor to monitor the system for errors and interact with the OASIS hotline to resolve system problems.

Prerequisites: 55248
And one of the following: None

55250 ICSS Denro, Operator Training - Phase IA

Training Manager: AMA-514 Course Length: 24 hour(s)

This course is designed for automated flight service station (AFSS) specialists who use the Integrated Communication Switching System (ICSS), Denro, Type III, Phase IA equipment. It is conducted by facility training specialists at AFSS sites and consists of classroom instruction and laboratory exercises. The subject areas include the use of ICSS equipment; intercom, interphone, and radio functions; the Automatic Call Distribution (ACD) System; and the Voice Retrieval and Store (VRS) System.

Prerequisites: None
And one of the following: None

55251 ICSS Denro, Supervisor Training - Phase IA

Training Manager: AMA-514 Course Length: 24 hour(s)

This course is designed for automated flight service station (AFSS) supervisory personnel who use Integrated Communications Switching System (ICSS), Denro, Type III, Phase IA equipment. It is conducted by facility training specialists at AFSS sites and consists of classroom instruction and laboratory exercises. The subject areas include the use of ICSS equipment; intercom, interphone, and radio functions; the Automatic Call Distribution (ACD) System; and the Voice Retrieval and Storage (VRS) System. Upon completion of this course, the supervisor will be knowledgeable about ICSS equipment, operation procedures, and the commands that are used.

Prerequisites: 55250
And one of the following: None

55402 STARS FSL/ESL for Certified Professional Controllers

Training Manager: ATX-100 Course Length: 56 hour(s)

This course is designed to provide certified professional controllers (CPC's) with the knowledge and skills required to operate STARS in full and emergency service levels (FSL/ESL). Materials from courses 57402 and 59402 are to be used by facility cadre instructors to tailor the course to site needs. Sufficient simulation practice shall be included to permit the students to successfully complete a performance evaluation.

Prerequisites: **None**
And one of the following: **None**

55451 Keyboard Video Display Terminal Replacement Training for AT

Training Manager: ATX-100 Course Length: 1 hour(s)

The course is designed to provide air traffic personnel instruction on the replacement KVDT. It provides an explanation of the differences between the components and functions of the existing IBM 3180 KVDT and the replacement Visara 1883 KVDT. The course consists of one self-directed lesson with an end-of-course test.

Prerequisites: **None**
And one of the following: **None**

55501 National Weather Service Tower Visibility Examination

Training Manager: AMA-514 Course Length: 0 hour(s)

This examination tests the developmental air traffic control specialist's (ATCS) knowledge of observing and reporting procedures for determining tower visibility values in accordance with the federal meteorological handbook.

Prerequisites: **None**
And one of the following: **None**

55505 EFAS Recertification Examination

Training Manager: AMA-514 Course Length: 0 hour(s)

This examination is the written portion of the En Route Flight Advisory Service (EFAS) recertification. Final certification requires a performance evaluation certified by the specialist's facility manager.

Prerequisites: **50201**
And one of the following: **None**

55508 Control Tower Operator Examination

Training Manager: AMA-513 Course Length: 0 hour(s)

The CTO exam is the written portion of the CTO certifaction process. The certification examination is directed by FAR, Part 65 (Certification of Airmen), subpart B - Air Traffic Control Tower Operators.

Prerequisites: **None**
And one of the following: **None**

55510 Terminal D-BRITE Certification Examination

Training Manager: AMA-513 Course Length: 8 hour(s)

This exam tests the developmental ATCS ability to define terms associated with: primary and secondary radar; knowledge of the basic components of the digital bright radar indicator tower equipment (D-BRITE) controls; and the functional use of tower radar displays. Note: The exam is located at the end of the computer-based instruction (CBI) Course 57047.

Prerequisites: **None**
And one of the following: **None**

55512 Weather Analysis Certification Exam

Training Manager: AMA-514 Course Length: 1 hour(s)

This examination is the written portion of the weather analysis training. In addition, final pilot weather briefing certification requires successful completion of an oral perforamce exam administered by the National Weather Service.

Prerequisites: **None**
And one of the following: **None**

56001 Airspace Management (Air Force)

Training Manager: AMA-500 Course Length: 80 hour(s)

This course provides training on the National Airspace System (NAS), categories of airspace, military training route program, airspace and air traffic control criteria, airspace charting and lead time, environmental aspects, and exercise airspace requirements. For class schedules and points of contact, visit website http://etca.randolph.AF.mil and search for 'airspace management' or course number E30ZR11A4X-000.

Prerequisites: **None**
And one of the following: **None**

57001 (CBI) OP SUP-Accidents and Other Unusual Situations

Training Manager: AMA-530 Course Length: 2 hour(s)

This course trains air traffic supervisors in the required procedures when accidents, incidents, or other unusual events take place. Each module uses scenarios to provide details about the steps that must be completed within the first few hours of the event.

Prerequisites: **None**
And one of the following: **None**

57002 (CBI) NOTAMS

Training Manager: AMA-530 Course Length: 4 hour(s)

After completing this lesson, student will be able to identify and list the types of NOTAMS and, through simulation exercises, demonstrate how to classify, prepare, read, and transmit NOTAMS.

Prerequisites: None
And one of the following: None

57003 (CBI) In-Flight Icing

Training Manager: AMA-530 Course Length: 2 hour(s)

This training covers five main topics: categories and intensities of icing; cause of icing; pilot needs and wants; controller actions; and reporting.

Prerequisites: None
And one of the following: None

57004 (CBI) Military Operations: Aerial Refueling

Training Manager: AMA-530 Course Length: 1 hour(s)

This military operations training is comprised of five modules: aerial refueling; altitude reservations; formation flights; special-use airspace; and special operations. The objective of this course is to increase the knowledge and awareness of procedures, rules, and terms associated with military operations.

Prerequisites: None
And one of the following: None

57005 (CBI) ASOS

Training Manager: AMA-530 Course Length: 8 hour(s)

This is a CBI course designed to identify the components of the Automated Surface Observing System (ASOS) and its function. It also prepares the students to edit and augment the automated weather report generated by ASOS prior to transmission. This course is the equivalent of conventional course 50318.

Prerequisites: None
And one of the following: None

57006 (CBI) ATC Communications

Training Manager: AMA-530 Course Length: 1 hour(s)

This course contains a series of exercises that allow the air traffic controller to practice listening, memory, read-back, phraseology, and error recognition skills.

Prerequisites: None
And one of the following: None

57007 (CBI) Terminal Radar Speed Adjustment

Training Manager: AMA-530 Course Length: 1 hour(s)

This training will acquaint the student with when, where, and how to apply speed adjustments and how to terminate speed adjustments.

Prerequisites: None
And one of the following: None

57009 (CBI) METAR/TAF (Advanced)

Training Manager: AMA-530 Course Length: 6 hour(s)

This course is designed for controllers who either take limited aviation weather reports (LAWRS) or have pilot weather briefer responsibilities. It covers how to encode and interpret the international format for METAR and interpret TAF.

Prerequisites: 57008
And one of the following: None

57012 (CBI) Hijacked Aircraft

Training Manager: AMA-530 Course Length: 1 hour(s)

This computer-based instruction (CBI) lesson is designed for terminal and en route air traffic controllers. The course describes the procedures for handling hijacked aircraft.

Prerequisites: None
And one of the following: None

57013 (CBI) Aircraft Bomb Threats

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson is designed for terminal and en route air traffic controllers. The training describes the emergency procedures for handling in-flight, on-the-ground, and hijacking bomb threats.

Prerequisites: None
And one of the following: None

57014 (CBI) RTF Radar Vectoring

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson is designed for developmental and full-performance-level air traffic controllers at terminal radar facilities to increase their knowledge of the procedures, techniques, and phraseology utilized in radar vectoring.

Prerequisites: None
And one of the following: None

57015 (CBI) Military Operations - Altitude Reservations

Training Manager: AMA-530 Course Length: 1 hour(s)

This computer-based instruction lesson is designed for use by terminal and en route air traffic controllers to increase their knowledge of the terms separation requirements and flight data processing associated with altitude reservations (ALTRV's).

Prerequisites: None
And one of the following: None

57016 (CBI) Instructional Testing

Training Manager: AMA-530 Course Length: 1 hour(s)

This computer-based instruction (CBI) lesson is designed to teach training personnel how to write performance-based objectives, good test questions, and distracters. Training personnel can also use this lesson to create site-specific computer-based tests. No additional software is required to compile, run, or administer tests created with this lesson. Tests created with this program can be saved or archived for later use.

Prerequisites: None
And one of the following: None

57017 (CBI) Military Operations: Special Use Airspace

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI lesson provides the student with general definitions and explanations of various types of special use airspace; responsibilities and requirements for both controller and user; separation standards, and altimeter adjustment procedures.

Prerequisites: None
And one of the following: None

57018 (CBI) RTF: Primary and Secondary Radar

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI lesson provides basic background information on the operation of primary and secondary radar systems. Items covered include basic radar principles, primary and secondary radar systems and targets, and radar phenomena (jamming, anomalous propagation, and interference). This lesson is targeted to those individuals with a limited knowledge of radar operation.

Prerequisites: None
And one of the following: None

57019 (CBI) RTF: Radar Separation

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI lesson provides a review of the criteria and principles involved in the separation of aircraft using both primary and secondary radar targets. Items covered include basic separation minima, separation of aircraft in formation flight, separation from adjacent sectors and airspace, separation from obstructions, and separation of departing aircraft. This lesson presumes FPL-level knowledge.

Prerequisites: None
And one of the following: None

57020 (CBI) Altitude Assignment

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI lesson provides a review of basic altitude assignment procedures and criteria in both the terminal and en route environments. Items covered are altitude assignment information, direction of flight criteria, procedures for altitude above FL290, cruise clearances, and a review of various altitude minima. This lesson presumes FPL-level knowledge.

Prerequisites: None
And one of the following: None

57021 (CBI) RTF: Radar Identification

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI lesson provides the FPL controller with a review of basic radar identification practices and procedures. Items covered are radar identification terminology and methods, identification status, position information, and questionable identifications. This lesson presumes FPL-level knowledge.

Prerequisites: None
And one of the following: None

57022 (CBI) Military Operations: Military Training Routes

Training Manager: AMA-530 Course Length: 1 hour(s)

This computer-based instruction (CBI) lesson provides the student with an introduction to basic route components and IFR, VFR, and slow route procedures and phraseologies.

Prerequisites: None
And one of the following: None

57023 (CBI) DARC

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI course covers the transition to and from the DARC backup system for en route controllers. It contains four modules covering how DARC fits into NAS, the procedures to be followed at the start of a shift to ensure a smooth transition to DARC if necessary, the transition from HOST to DARC/HOST, system limitations in the DARC/HOST mode, transition from HOST to DARC/only, and transition from a DARC mode back to HOST operation. The user may also elect to view an optional 25-minute video.

Prerequisites: None
And one of the following: None

57024 (CBI) Low-Level Wind Shear/Microburst Alerts

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI lesson provides the controller with a review of procedures for receiving and disseminating low-level wind shear and microburst information. Items covered are characteristics of wind shear and microbursts and the effects of wind shear and microbursts on aircraft. Methods for receiving windshear and microburst alerts, procedures for disseminating alerts, and inter/intra-facility coordination. The lesson assumes FPL knowledge.

Prerequisites: None
And one of the following: None

57025 (CBI) Position and Hold

Training Manager: AMA-530 Course Length: 1 hour(s)

This is a refresher course that covers the procedures and phraseology used to issue a position and hold clearance. The primary audience is air traffic control specialists in the terminal option.

Prerequisites: None
And one of the following: None

57030 (CBI) Wake Turbulence

Training Manager: AMA-530 Course Length: 1 hour(s)

This course addresses the procedures to be followed to keep aircraft clear of the turbulent wake of other aircraft. Topics include causes, behavior, and consequences of wake turbulence; the separation rules and control procedures for arriving aircraft; and departing aircraft.

Prerequisites: None
And one of the following: None

57032 (CBI) Emergencies

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI lesson provides refresher training for FPL controllers on criteria for determining when an emergency exists and the course of action to follow in selected situations.

Prerequisites: None
And one of the following: None

57033 (CBI) WSR-88D Radar Image Interpretation

Training Manager: AMA-530 Course Length: 8 hour(s)

This is a computer-based course designed for air traffic control specialists who require basic weather radar knowledge and use WSR-88D products in their daily work assignments. This training will prepare the student for the National Weather Service (NWS), weather radar certification exam and enable them to effectively utilize WSR-88D products. It contains instructions for each of the products, then provides practical exercises that utilize the products in realistic situations.

Prerequisites: None
And one of the following: None

57034 (CBI) Aircraft Performance and Characteristics

Training Manager: AMA-530 Course Length: 1 hour(s)

This reference tool provides air traffic control specialists with two useful resources: (1) an on-line visual database of aircraft performance information, including photographs and selected silhouettes for over 250 aircraft and (2) a set of four tutorials which provide fundamental information related to aircraft performance. The four tutorials cover FAA classification of aircraft, reporting how aircraft speed effects air traffic control, and the effects of air density on aircraft performance.

Prerequisites: None
And one of the following: None

57035 (CBI) Air Traffic Memory Guide

Training Manager: AMA-530 Course Length: 1 hour(s)

This course is part of a continuing effort to reduce runway incursions. It provides ways for controllers to manage their memory resources and help improve performance. It provides an understanding of the limitations of human memory and suggests ways to supplement and help sustain memory capabilities. Also discussed are ways to deal with distractions in the dynamic tower cab environment, and the use of memory aids is encouraged to supplement working memory.

Prerequisites: None
And one of the following: None

57036 (CBI) VTABS Master Instructor/Supervisor System Overview

Training Manager: AMA-530 Course Length: 10 hour(s)

This training is for ATCS personnel responsible for master instructor/supervisor interactions on the VSCS Training and Backup System (VTABS). The course is 100% CBI. Subjects include system introduction, system overview , VTABS w orkstations, cut-over sw itch subsystem, system monitor, and control subsystem. The VTABS, VSOM, and MIDS manuals are required for the course.

Prerequisites: 55046
And one of the following: None

57037 (CBI) VTABS Database Management

Training Manager: AMA-530 Course Length: 13 hour(s)

This training is for ATCS personnel responsible for VSCS Training and Backup System (VTABS) database management. The course is 100% computer-based instruction (CBI). Subjects include system introduction, system overview , VTABS w orkstations, database management, and system monitor and control subsystem. A CBI terminal is required. Also required are the VTABS, VSOM, and MIDS manuals.

Prerequisites: 50118
And one of the following: None

57038 (CBI) DSR/AIR Traffic Control Specialist Course

Training Manager: AMA-530 Course Length: 8 hour(s)

This vendor-developed CBI course provides computer human interface training to enable air traffic control personnel to transition from the M1/PVD console to the DSR console controller functions set. It includes system overview , keyboard, and display functions in 5 radar associated and 13 radar control modules.

Prerequisites: None
And one of the following: None

57039 (CBI) DSR/Supervisory and Traffic Management Specialist

Training Manager: AMA-530 Course Length: 2 hour(s)

This vendor-developed CBI course provides computer human interface training to prepare supervisory and traffic management air traffic personnel to transition to the DSR console supervisory and traffic management functions set. The course consists of tw o CBI modules emphasizing the supervisory and traffic management functions.

Prerequisites: 57038
And one of the following: None

57040 (CBI) Basic Windows Training for Air Traffic

Training Manager: AMA-530 Course Length: 2 hour(s)

This CBI course is designed for air traffic control specialists w ho w ill be w orking w ith a new system designed w ith a Window s type graphical user interface (GUI) for interaction w ith the user. It covers basic Window s functions that are used in all types of Window s environments, such as menu structures, icons, and drag and drop features. It w ill also familiarize the student w ith basic terminology new to Window s systems.

Prerequisites: None
And one of the following: None

57041 (CBI) Special VFR

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson deals w ith the specific w eather conditions and other circumstances that must exist before special VFR can be authorized. The controller w ill then practice proper phraseology to issue special VFR clearances.

Prerequisites: None
And one of the following: None

57045 (CBI) Creating Quality CBT

Training Manager: AMA-530 Course Length: 1 hour(s)

This course w ill answ er basic questions on planning, course design, content design, interactivity, scripts and story boards, and production. It includes useful tips and 'best practices' presentations that show how professionals address typical problems faced by all CBT developers.

Prerequisites: None
And one of the following: None

57046 (CBI) AIDCS Controller Training

Training Manager: AMA-530 Course Length: 1 hour(s)

This vendor developed, computer-based course provides an overview of the Air Traffic Services Interfacility Data Communications System (AIDCS) for both the controller and supervisor/staff at oceanic centers. The course includes a description of the system hardw are, functional description, purpose of the AIDCS, and provides instruction on the use of supervisor features, such as messages, menu's, and monitor adjustments.

Prerequisites: None
And one of the following: None

57047 (CBI) Digital Bright Radar Indicator Equipment (DBRITE)

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson is an introduction and overview of the digital bright radar indicator equipment (DBRITE). This lesson was designed to prepare the student for the DBRITE OJT. This is not a tutorial of the entire DBRITE System and its related functions.

Prerequisites: None
And one of the following: None

57048 (CBI) Weather Graphics Interpretations

Training Manager: AMA-530 Course Length: 6 hour(s)

This computer-based course is designed to prepare flight services specialists, ARTCC supervisors and traffic management unit specialists to correctly interpret graphical weather data obtained from the Operational and Supportability Implementation System (OASIS) and weather and radar processor (WARP). This includes graphical presentations of observed weather such as the surface analysis, weather depiction, radar summary, constant pressure analysis, composite moisture and stability, and winds aloft and forecast information such as weather prognostic and severe weather outlook.

Prerequisites: None
And one of the following: None

57049 (CBI) En Route Speed Adjustment

Training Manager: AMA-530 Course Length: 2 hour(s)

This lesson covers procedures, methods, and minima for applying speed adjustment. Associated phraseology is also included in the lesson. The lesson is appropriate for both FPL and developmental air traffic controllers. Information in this lesson is also covered in Course 55055, Radar Controller Training, lesson E-11-11, Speed Adjustment.

Prerequisites: None
And one of the following: None

57050 (CBI) Enroute: Radar Vectoring

Training Manager: AMA-530 Course Length: 2 hour(s)

This lesson covers the reasons for issuing vectors, appropriate vectoring methods with associated phraseology, and the purpose of an mia chart. This lesson is appropriate for both FPL and developmental air traffic controllers. FPL controllers can go directly to the exercises for refresher training and bypass the tutorial portion of the lesson. Information in this lesson is also covered in Course 55055 radar controller training, lesson E-11-9 radar vectoring.

Prerequisites: None
And one of the following: None

57051 (CBI) Radar Services to VFR Aircraft

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson covers the basic types of radar services provided to VFR aircraft. Students will review the criteria for applying these services. Students will be provided with an option-specific scenario to further enhance their understanding of the services and some techniques for providing them.

Prerequisites: None
And one of the following: None

57052 (CBI) Situational Awareness - En Route and Tracon

Training Manager: AMA-530 Course Length: 2 hour(s)

This course consists of four lessons: How decisions are made - this lesson allows controllers to think about where specific ATC actions (e.g., issuing a clearance, scanning, updating a data block, traffic advisories) fit into a dicision-making model; Scanning - this lesson covers scanning techniques and pitfalls that must be avoided; Mental models - this lesson includes a brief introduction relating the phrase 'getting the big picture' to the cognitive process of developing a mental model of the situation; Projection - this lesson includes a brief introduction to the concept of 'projecting' and identifies the potential pitfalls that must be avoided.

Prerequisites: None
And one of the following: None

57053 (CBI) ATC OER Communications - En Route and Tracon

Training Manager: AMA-530 Course Length: 1 hour(s)

The ATC operational error reduction (OER) communications course describes an ATC communication model that emphasizes the need for standard phraseology and for active listening. This model serves as the basis for the analysis of several operational error case studies. Upon completion of the course, controllers will recognize the importance of proper phraseology and active listening in air traffic control.

Prerequisites: None
And one of the following: None

57054 (CBI) Reducing Operational Errors - En Route and Tracon

Training Manager: AMA-530 Course Length: 4 hour(s)

This course is designed to emphasize ATC En Route and Terminal Approach Control (TRACON) operational error reduction strategies. Through interactive instruction and excercises, controllers will learn about situational awareness, ATC communications, resources, and breaking error chains.

Prerequisites: None
And one of the following: None

57055 (CBI) Flight Progress Strip Distribution

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson covers center sectors including fix postings. It outlines the procedures used to distribute flight progress strips to the appropriate sectors. The information in this lesson is also covered in Course 55053, Assistant Controller Training, lesson E-5-5, flight progress strip distribution.

Prerequisites: None
And one of the following: None

57056 (CBI) Jet Route Structure

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson covers the jet route structure and includes NavAids, intersections/DME fixes, and mileages. Information in this lesson is also covered in Course 55053, Assistant Controller Training, lesson E-5-1, jet route structure.

Prerequisites: None
And one of the following: None

57057 (CBI) Controller-In-Charge (CIC) (En Route)

Training Manager: AMA-530 Course Length: 3 hour(s)

This lesson covers topics necessary to train full-performance-level air traffic control specialists selected for CIC duties in the en route environment. This lesson is a prerequisite for course 55072.

Prerequisites: None
And one of the following: None

57058 (CBI) Non-Radar Separation

Training Manager: AMA-530 Course Length: 1 hour(s)

This course consists of four modules that detail separation rules to be applied in a non-radar environment. The four modules are vertical separation, lateral separation, longitudinal separation, and initial separation. The initial separation module covers rules for the initial separation of successive departures and for separation of arriving and departing aircraft.

Prerequisites: None
And one of the following: None

57059 (CBI) Transfer of Control

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides the FPL controller with a review of the terminology and procedures for coordinating use of airspace and transferring control of airspace. Items covered are when to coordinate, method for coordinating, who to coordinate with, when to transfer control, and when to assume control. The lesson presumes FPL knowledge.

Prerequisites: None
And one of the following: None

57060 (CBI) Controller-In-Charge (CIC) (Terminal)

Training Manager: AMA-530 Course Length: 3 hour(s)

This lesson covers topics necessary to train full-performance-level air traffic control specialists selected for CIC duties in the terminal environment. The lesson is the prerequisite for course 55073.

Prerequisites: None
And one of the following: None

57061 (CBI) Preventing Runway Incursions

Training Manager: AMA-530 Course Length: 4 hour(s)

This course is designed to emphasize ATC strategies for preventing runway incursions. Through interactive instruction and exercises, controllers will learn about maintaining tower situational awareness, communications, resources, and error chains.

Prerequisites: None
And one of the following: None

57062 (CBI) Situational Awareness - Tower

Training Manager: AMA-530 Course Length: 1 hour(s)

This module will consist of one lesson which will outline the critical elements of a visual and auditory scan of the controller's control area. The lesson will describe how an effective scan can help identify potential static and dynamic "hot spots" in airport operations. The lesson will also demonstrate controller methods for appropriately prioritizing actions based on the information obtained in an effective scan.

Prerequisites: None
And one of the following: None

57063 (CBI) Reducing Runway Incursions-Tower Communications

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson emphasizes the need for standard phraseology and active listening from both the pilot and controllers perspective. Audio, graphics and photographs will be used to emphasize that large percentage of runway incursions are a result of readback/hearback errors. A communication model is presented that serves as a basis for reducing runway incursions. This model is used to analyze several runway incursions.

Prerequisites: None
And one of the following: None

57064 (CBI) Controller-In-Charge (FSS)

Training Manager: AMA-530 Course Length: 3 hour(s)

This lesson covers topics necessary to train flight service station specialists selected for controller-in-charge duties.

Prerequisites: None
And one of the following: None

57066 (CBI) Enhanced Terminal Voice Switch (ETVS) Ted Course

Training Manager: AMA-530 Course Length: 4 hour(s)

This course is designed to prepare terminal controllers to operate the touch entry device (TED) which is a component of Denro's ETVS. The ETVS is a communication system that provides air/ground and ground/ground communications.

Prerequisites: None
And one of the following: None

57067 (CBI) Enhanced Terminal Voice Switch (ETVS) MHK Course

Training Manager: AMA-530 Course Length: 4 hour(s)

This course is designed to prepare terminal controllers to operate the membrane hardkey (MHK) which is a component of Denro's ETVS. The ETVS is a communication system that provides air/ground and ground/ground communication.

Prerequisites: None
And one of the following: None

57068 (CBI) Enhanced Terminal Voice Switch (ETVS) SCT Course

Training Manager: AMA-530 Course Length: 6 hour(s)

This course is designed to prepare terminal supervisors to operate the system configuration terminal (SCT) which is a component of Denro's ETVS. The ETVS is a communication system that provides air/ground and ground/ground communications. The SCT allows the supervisor to change the configuration of the ETVS to meet the needs of the facility during specific situations.

Prerequisites: None
And one of the following: None

57069 (CBI) Safety Alerts and Traffic Advisories

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides students with a review of the procedures and phraseology used in the issuance of safety alerts and traffic advisories and for dealing with merging targets. Students will review duty priorities as well as types of alerts and advisories.

Prerequisites: None
And one of the following: None

57070 (CBI) Arrival and Approach Procedures

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson covers basic types of approaches, arrival information, procedures for navigation to final, and procedures for issuing approach clearances.

Prerequisites: None
And one of the following: None

57071 (CBI) DSR Computer Operational Equipment (Stage 2)

Training Manager: AMA-530 Course Length: 1 hour(s)

This course explains the relationship between HOST and DSR equipment. It introduces the interface equipment included in the position consoles, explains the A-position time, alarm, CRD views, and how to operate the flight strip printer. There are practice exercises to familiarize you with the equipment and an end-of-lesson test. This lesson is equivalent to Course 55053, Assistant Controller Training, lesson E-5-6, Computer Operational Equipment.

Prerequisites: None
And one of the following: None

57072 (CBI) Military Operations: Formation Flights

Training Manager: AMA-530 Course Length: 1 hour(s)

The focus of this lesson is a thorough review of standard and non-standard formations as they relate to separation, special use frequencies, and break-ups. Information is provided on standard formation flights, non-standard formation flights, air combat command cell formation flights, special use frequencies, formation flight break-ups, and proper separation standards for all types of formations.

Prerequisites: None
And one of the following: None

57073 (CBI) Military Operations: Special Operations

Training Manager: AMA-530 Course Length: 1 hour(s)

This CBI lesson focuses on terms and defines the goals and purposes of specific missions and flights, user requirements, controller responsibilities, and separation requirements as they relate to special operations within the military.

Prerequisites: None
And one of the following: None

57074 (CBI) ARTS IIIA

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides students training in the purpose, features, and functions of the ARTS IIIA equipment. Specific training is provided in data entry devices, data blocks, display lists, ARTS data input, and error messages.

Prerequisites: None
And one of the following: None

57075 (CBI) RDVS IIA TED Course

Training Manager: AMA-530 Course Length: 4 hour(s)

This computer-based instruction (CBI) course is designed to prepare terminal controllers to operate the touch entry device (TED) which is a component of Litton-Amecon's Rapid Deployment Voice Switch IIA (RDVS IIA). The RDVS IIA is a communication system that provides air/ground and ground/ground communications.

Prerequisites: None
And one of the following: None

57076 (CBI) RDVS IIA System Administrator Training

Training Manager: AMA-530 Course Length: 4 hour(s)

This computer-based instruction (CBI) course is designed to prepare terminal supervisors to edit system configuration by operating the configuration control terminal (CCT) which is a component of Litton-Amercon's Rapid Deployment Terminal Voice Switch IIA (RDVS IIA). The RDVS IIA is a communication system that provides air/ground and ground/ground communications.

Prerequisites: 57075, 57077
And one of the following: None

57077 (CBI) RDVS IIA Supervisor Course

Training Manager: AMA-530 Course Length: 6 hour(s)

This computer-based instruction (CBI) course is designed to prepare terminal supervisors to operate the configuration control terminal (CCT) which is a component of Litton-Amecon's Rapid Deployment Voice Switch IIA (RDVS IIA). The RDVS IIA is a communication system that provides air/ground and ground/ground communications. The CCT allows the supervisor to change the configuration of the RDVS IIA to meet the needs of the facility during specific situations.

Prerequisites: None
And one of the following: None

57078 (CBI) ARTS IIE

Training Manager: AMA-530 Course Length: 4 hour(s)

This special issue course is part of a transition training package for controllers changing from ARTS IIA to ARTS IIE. It takes approximately 4 hours to complete. The course utilizes an ARTS IIE keyboard connected to the CBI platform. This gives the controller the opportunity to become familiar with the new keyboard layout and gives the controller practice making the new entries. The training covers the ARTS IIE keyboard similarities, differences, and unique features; data display areas; data blocks; and common ARTS IIE entries. An evaluation scenario must be completed with a score of 95% to receive credit for the course.

Prerequisites: None
And one of the following: None

57079 (CBI) Composing HOST and DSR Messages (Stage 2)

Training Manager: AMA-530 Course Length: 2 hour(s)

This course describes message entry eligibility, three categories of messages, composition of FP, SP, RS, DM, HM, FR, and AM messages. Compositon of information request (AR, WR, SR, and FR) and miscellaneous messages (gi and siso) are also covered. Emphasis is placed on making the information required entries, amending flight plans, and using the route readout message. This lesson is equivalent to Course 55053, AAssistant controller Training, lesson E-5-8, Computer Message Composition and Entry.

Prerequisites: None
And one of the following: None

57080 (CBI) DSR Computer Field Format (Stage 2)

Training Manager: AMA-530 Course Length: 1 hour(s)

This course explains the purpose of computer messages and each message component. Format letter coding and fields 01-11 are explained. There are practice exercises to familiarize you w ith the equipment and an end-of-lesson test. This lesson is equivalent to Course 55053, Assistant Controller Training, lesson E-5-7, Computer Field Format.

Prerequisites: None
And one of the following: None

57081 (CBI) OJTI Refresher Training

Training Manager: AMA-530 Course Length: 3 hour(s)

This lesson serves as refresher training for OJT instructors w ho have completed Course 55049, fundamentals of ATC On-The-Job Training Instruction. How ever, supervisors or other training team members may benefit from this course.

Prerequisites: None
And one of the following: None

57082 (CBI) Traffic Alert and Collision Avoidance System (TCAS)

Training Manager: AMA-530 Course Length: 1 hour(s)

This course provides refresher training for the controller in the procedures involved upon notification that an aircaraft has left an ATC assigned altitude in response to a TCAS event. Topics covered include: how TCAS w orks; the types of TCAS alerts; pilot procedures; and ATC procedures.

Prerequisites: None
And one of the following: None

57083 (CBI) Visual Separation -- En Route

Training Manager: AMA-530 Course Length: 1 hour(s)

This course provides refresher training for the en route controller in the criteria and procedures involved in visual separation. Items covered include: visual separation rules; visual separation procedures; applicable phraseology; and the importance of appropriate pilot/controller interaction.

Prerequisites: None
And one of the following: None

57084 (CBI) Visual Separation -- Terminal

Training Manager: AMA-530 Course Length: 1 hour(s)

This course provides refresher training for the terminal controller in the criteria and procedures involved in visual separation. Items covered include: visual separation rules; visual separation procedures; applicable phraseology; and the importance of appropriate pilot/controller interaction.

Prerequisites: None
And one of the following: None

57085 (CBI) Weather System Processor (WSP)

Training Manager: AMA-530 Course Length: 6 hour(s)

This course is designed for terminal controllers and supervisors. It teaches how to operate the ribbon display terminal (RDT) and the geographical situation display (GSD) terminal or key pad on three separate Wind Shear Detection Systems that are installed at FAA controlled terminal facilities. The three systems are Low -Level Wind Shear Alert System (LLWAS), Weather System Processor (WSP), and Integrated Terminal Weather System (ITWS). The training w ill prepare the controller to interpret information on the RDT and configure the information on the RDT through the GSD.

Prerequisites: None
And one of the following: None

57086 (CBI) Ehnanced LLWAS

Training Manager: AMA-530 Course Length: 4 hour(s)

This course is for terminal controllers and supervisors. It teaches how to operate ribbon display terminal (RDT) and the geographical situation display (GSD) terminal or keypad on three separate w ind shear detection systems that are installed at FAA controlled terminal facilities. The three systems are Low -Level Wind Shear Alert System (LLWAS), Weather System Processor (WSP), and Integrated Terminal Weather System (ITWS). The training w ill prepare the controller to interpret information on the RDT and configure the information on the RDT through the GSD.

Prerequisites: None
And one of the following: None

57087 (CBI) Integrated Terminal Weather System (ITWS)

Training Manager: AMA-530 Course Length: 6 hour(s)

This course is designed for terminal controllers and supervisors. It teaches about microbursts and different forms of w ind shear and w hich types of w ind shear FAA systems detect. It then teaches how to operate the Ribbon Display Terminal (RDT) and the Situation Display (SD) terminal on integrated terminal w eather system (itw s). The training w ill prepare the controller and supervisor to correctly utilize informatin on the RDT and configure the information on the rdt through the SD.

Prerequisites: None
And one of the following: None

57088 (CBI) STARS ATcoach Exercise Setup and Pilot Training

Training Manager: ATX-100 Course Length: 8 hour(s)

This CBI course provides the student with the knowledge and skills necessary to configure an ATcoach exercise for training. Pseudo-pilot commands are taught to enable the student to respond to and input controller-issued clearances or instructions. All inputs necessary to configure a STARS terminal controller workstation (TCW), tower display workstation (TDW), and general purpose workstation (GPW) are taught. The functionality of running a pseudo-pilot position on all platforms is taught. The course includes six CBI modules.

Prerequisites: None
And one of the following: None

57089 (CBI) Automated Weather Sensors System (AWSS)

Training Manager: AMA-530 Course Length: 4 hour(s)

This is a computer-based course designed for air traffic control specialists that will have an AWSS installed at their site. This course will enable the student to perform the necessary functions on the operator interface device to ensure the reports accuracy.

Prerequisites: None
And one of the following: None

57090 (CBI) Airport Lighting

Training Manager: AMA-530 Course Length: 1 hour(s)

This computer-based course is designed for terminal controllers and supervisors. This course is designed to reduce runway incursions by teaching obstruction lights, types and meanings of rotating beacons, physical characteristics of approach, runway and taxiway lighting, and proper operation of airport lighting.

Prerequisites: None
And one of the following: None

57091 (CBI) Land and Hold Short Operations (LAHSO)

Training Manager: AMA-530 Course Length: 1 hour(s)

This computer-based course is designed for terminal controllers and supervisors. This course is designed to reduce runway incursions by teaching the requirements to perform LAHSO verifying conditons for LAHSO, eligible aircraft for LAHSO, issuing LAHSO clearances, understanding rejected landing procedures, and operations beyond the hold short point.

Prerequisites: None
And one of the following: None

57092 (CBI) Runway Use and Related Information

Training Manager: AMA-530 Course Length: 2 hour(s)

This computer-based course is designed for terminal controllers and supervisors. This course is designed to reduce runway incursions by teaching the proper methods for selecting and using runways and issuing safety alerts and advisories.

Prerequisites: None
And one of the following: None

57093 (CBI) Runway Separation Minima

Training Manager: AMA-530 Course Length: 4 hour(s)

This computer-based course is designed for terminal controllers and supervisors. This course is designed to reduce runway incursions by teaching controllers on the local control position: basic local control phraseology; good operating practices; single runway separation; multiple runway separation; wake turbulence separation; initial IFR separation; and helicopter separation.

Prerequisites: None
And one of the following: None

57094 (CBI) WARP NEXRAD on DSR

Training Manager: AMA-530 Course Length: 5 hour(s)

This computer-based course provides the air traffic controller with a basic understanding of the weather display provided to DSR via WARP. It covers controlling the display and the phraseology used to convey this information to the pilot.

Prerequisites: None
And one of the following: None

57095 (CBI) Basic Aviation Weather

Training Manager: AMA-530 Course Length: 6 hour(s)

This computer-based course provides the air traffic controller with a basic understanding of the nature and cause of weather that impacts aviation. It covers structure of the atmosphere, winds, air masses, fronts and other atmospheric features, vertical motion, atmospheric stability, weather producing systems, and clouds and precipitation.

Prerequisites: None
And one of the following: None

57096 (CBI) ASR-11 Air Traffic Training

Training Manager: AMA-530 Course Length: 4 hour(s)

This course provides instruction in the proper operation of Airport Surveillance Radar 11 (ASR-11) equipment for air traffic control specialists (ATCS), supervisors (SATCS, and controllers-in-charge (CIC). The course consists of approximately 4 hours of computer-based instruction (CBI) and includes a performance check at the end of the training. The CBI covers system components, characteristics and proper operation of the radar control panel (RCP). The CBI includes an RCP simulator which allows the student to practice using the knowledge gained in the course.

Prerequisites: None
And one of the following: None

57097 (CBI) Wide Area Agumentation System

Training Manager: AMA-530 Course Length: 1 hour(s)

This course is designed to provide air traffic with a basic understanding of the Wide Area Augmentation System (WAAS). It covers the components and basic operation, how WAAS impacts the NAS, and how controllers should respond to WAAS or GPS interference or anomaly reports. The format and content of NOTAMS generated in support of WAAS operations are presented and the air traffic procedures response to the NOTAMS are discussed.

Prerequisites: None
And one of the following: None

57098 (CBI) Recognizing and Responding to Aircraft Emergencies

Training Manager: AMA-530 Course Length: 1 hour(s)

This course is designed for enroute and terminal controllers and supervisors. It provides a review of information that can help controllers and supervisors recognize a potential emergency situation and quickly respond to an aircraft in distress.

Prerequisites: None
And one of the following: None

57099 (CBI) HOST 1.4 Flight Plan Data

Training Manager: AMA-530 Course Length: 1 hour(s)

This course is designed for enroute and terminal air traffic controllers and supervisors and flight data specialists. It provides an overview of the flight plan data input/output changes resulting from the AIFPE HOST 1.4 upgrade. These changes will facilitate the ability of the United States (US) to transfer automated flight plan data with non-US facilities.

Prerequisites: None
And one of the following: None

57100 (CBI) ATCS VSCS

Training Manager: AMA-530 Course Length: 4 hour(s)

This course provides a detailed overview of the Voice Switching and Control System (VSCS) from an ATCS perspective. Special emphasis is placed on the characteristics, positions, and subsystems involved in ground-to-ground and air-to-ground communications. This lesson includes questions and practice exercises that allow the ATCS to learn how to operate the VSCS. This lesson is equivalent to Course 55053, Assistant Controller Training, lesson E-5-3 and E-5-4.

Prerequisites: None
And one of the following: None

57101 (CBI) SATCS VSCS

Training Manager: AMA-530 Course Length: 4 hour(s)

This course describes all the functional and operational characteristics of the VSCS supervisory workstation necessary for the operation supervisors to perform their duties. This lesson includes questions and practice exercises that allow the SATCS to learn how to operate and configure the VSCS system.

Prerequisites: None
And one of the following: None

57110 (CBI) GPS Air Traffic Satellite Navigation

Training Manager: AMA-530 Course Length: 2 hour(s)

This course gives an overview of how the GPS operates. It covers receiver types and equipment suffixes associated with GPS, RAIM, GPS anomalies, and GPS NOTAMS. It also explains GPS users in aviation and how navigation is affected by GPS. The course gives in-depth information about GPS approaches. The basic 'T' and terminal arrival areas are introduced and the changes on the GPS approach plates are explained. The course explains RAIM forecasting. Retrieving and interpreting both 24-hour and 3-hour is covered as well as special messages displayed on the MI console.

Prerequisites: None
And one of the following: None

57135 (CBI) Labor Statutes, Laws, and Contracts (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

This course presents the provisions of federal labor laws and negotiated agreements common to workplace issues. Provides first line supervisors the opportunity to review and resolve real world air traffic problems by applying federal labor laws and negotiated agreements. Formerly MGT01 and 12721.

Prerequisites: None
And one of the following: None

57136 (CBI) Management's Rights and Responsibilities (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

Management's rights and responsibilities, as defined by federal law and negotiated bargaining unit agreements are addressed in this course. This includes permissive and prohibitive topics for negotiation, Title V use, Section 7106 of the federal service labor management relations statute. Formerly MGT02 and 12722.

Prerequisites: None
And one of the following: None

57137 (CBI) Union and Employee Rights and Responsibilities (AT)

Training Manager: AMA-530 Course Length: 1 hour(s)

In this course, supervisors will apply the requirements of appropriate collective bargaining agreements as they relate to the union and employee rights and responsibilities. Formerly MGT03 and 12703.

Prerequisites: None
And one of the following: None

57138 (CBI) Grievances and Unfair Labor Practices (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

When presented with real-world scenarios, the first-line supervisor will learn about issues that typically result in grievances and ULP's, how to resolve issues at the lowest level, and about the grievance and ULP process. Formerly MGT04 and 12704.

Prerequisites: None
And one of the following: None

57139 (CBI) The Bargaining Process (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

The objective of this lesson is to build a better understanding of the bargaining process. Impact and implementation, interest-based, and positional bargaining are some of the topics covered. Formerly course MGT05 and 12705.

Prerequisites: None
And one of the following: None

57140 (CBI) MOU's, Facility Directives, and Past Practices (AT)

Training Manager: AMA-530 Course Length: 1 hour(s)

This course identifies appropriate topics for local MOU's and facility directives, past practices, and how air traffic facilities can resolve problems associated with them. Formerly course MGT06 and 12706.

Prerequisites: None
And one of the following: None

57141 (CBI) Participative Management (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

This course covers partnership, participative management, and describes how these management styles can be incorporated in the first-line supervisor's management style. Specific emphasis is placed on Executive Order 12871, management's non-negotiable operational responsibilities and the importance of establishing trust, open communication, and building a cooperative work environment. Formerly course MGT07 and 12707.

Prerequisites: None
And one of the following: None

57142 (CBI) Managing Issues in the Workplace (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

Through scenario-based interaction, techniques and strategies for resolving problems in the workplace are demonstrated. Supervisors will be given the opportunity to apply the five basic problem-solving steps, discriminate between resolving issues and negotiations, and identify good communication techniques. Formerly course MGT08 and 12708.

Prerequisites: None
And one of the following: None

57143 (CBI) EEO and the FAA Model Workforce (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson describes the supervisors' roles and responsibilities concerning equal employment opportunity and model work environment. Formerly course MGT09 and 12709.

Prerequisites: None
And one of the following: None

57144 (CBI) Supervisory Notes (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

Supervisors will learn the difference between supervisory notes and agency records, appropriate and inappropriate notes, and the importance of supervisory notes as memory joggers. Supervisors will get the opportunity to take notes during the lesson and use these notes to resolve real world issues. Formerly course MGT10 and 12710.

Prerequisites: None
And one of the following: None

57145 (CBI) Using EAP Resources (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson covers the Employee Assistance Program (EAP), the services offered, and the procedures for using EAP. Special emphasis is placed on the supervisor's responsibility for making formal and informal referrals. Formerly course MGT11 and 12711.

Prerequisites: None
And one of the following: None

57146 (CBI) Safety and Health of the Work Unit (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson describes the duties and responsibilities as directed by the FAA ATCS Health Program, Occupational Safety and Health Act, and other applicable laws, rules and regulations. First-line supervisors will have an opportunity to work through scenarios that deal with on-the-job injuries, asbestos, and other safety related issues. Formerly course MGT12 and 12712.

Prerequisites: None
And one of the following: None

57147 (CBI) Interpersonal Skills (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson presents techniques to enhance interpersonal skills. The techniques include: active listening; feedback; assertion; consistent interactions; and conflict resolution. Supervisors will observe real-world scenarios and identify effective and ineffective interpersonal skills. Formerly course MGT13 and 12713.

Prerequisites: None
And one of the following: None

57148 (CBI) Performance Management and Awards (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

How first-line supervisors recognize superior employee performance and correct poor employee performance are the main topics of this course. Special emphasis is placed on the supervisors role in the FAA's Performance Planning and Recognition System (PPRS). Formerly course MGT14 and 12714.

Prerequisites: None
And one of the following: None

57149 (CBI) Technical Training Administration (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

This course prepares supervisory personnel to administer, support, and promote the FAA training program. Formerly course MGT15 and 12715.

Prerequisites: None
And one of the following: None

57150 (CBI) Leave Administration (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

This course covers the rules and regulations of the Family and Medical Leave Act, Family Friendly Leave Act, leave without pay, and other leave categories. This lesson contains a reference of the specific requirements for each type of leave and describes methods and procedures for resolving suspected leave abuse. Formerly course MGT16 and 12716.

Prerequisites: None
And one of the following: None

57151 (CBI) Ethics and Employee Conduct On and Off the Job (AT)

Training Manager: AMA-530 Course Length: 1 hour(s)

Utilizing FAA orders and contracts, first-line supervisors will have the opportunity to resolve real-world issues by applying the procedures for handling conduct and ethics on and off the job. Supervisors will learn about the elements of just cause, Douglas factors, and procedures for managing reoccuring conduct problems through coaching, modeling, and progressive discipline. Formerly course MGT17 and 12717.

Prerequisites: None
And one of the following: None

57152 (CBI) Stress and Trauma Management (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

Managing stress and trauma in the w orkplace are the main topics of this course. First-line supervisors are given the opportunity to learn about stress and trauma. In addition, the symptoms and sources of stress, strategies, and resources available for managing stress are included. Formerly course MGT18 and 12718.

Prerequisites: None
And one of the following: None

57153 (CBI) Organization of Work (Air Traffic)

Training Manager: AMA-530 Course Length: 1 hour(s)

In this course, supervisors w ill learn several strategies for prioritizing and balancing operational and administrative duties. Special emphasis is placed on identifying common time w asters, components of effective time management, and developing a time management action plan. Formerly course MGT19 and 12719.

Prerequisites: None
And one of the following: None

57154 (CBI) Career Development and Organizational Perspective

Training Manager: AMA-530 Course Length: 1 hour(s)

In this course, first-line supervisors w ill learn about the Merit Promotion Program, mentoring, Individual Development Plans (IDP's), and benefits of these programs for the agency, supervisor, and employee. Formerly course MGT20 and 12720.

Prerequisites: None
And one of the following: None

57203 (CBI) Weather Satellite Data Interpretation

Training Manager: AMA-530 Course Length: 6 hour(s)

This computer-based course is a computer-based replacement for conventional training course 55203 of the same name. It is designed to prepare flight service specialists, ARTCC supervisors and Traffic Management Unit specialists to correctly interpret satellite data information both visible and infrared obtained from the Operational and Supportability Implementation System (OASIS) and the Weather and Radar Processor (WARP).

Prerequisites: None
And one of the following: None

57248 (CBI) OASIS Computer-Based Specialist Training

Training Manager: AMA-530 Course Length: 6 hour(s)

This CBI course is an integral part of a computer-based/conventional training program designed to prepare flight service specialists to operate the Operational and Supportability Implementation System (OASIS) through interaction w ith the Weather Information and Navigational Graphics System (WINGS) and Weather Information Netw ork Display (WIND) application softw are. These tw o softw are programs are the specialist's interface to flight planning and w eather information.

Prerequisites: None
And one of the following: None

57301 (CBI) Severe Weather

Training Manager: AMA-530 Course Length: 4 hour(s)

This training includes the follow ing topics: information collection and dissemination; thunderstorms; thunderstorm life cycles; and hazardous phenomena and their effects. The objective of this training is to aid the facility training administrators in delivering information on w eather to developmental and full-performance-level controllers.

Prerequisites: None
And one of the following: None

57302 (CBI) CRU-Support

Training Manager: AMA-530 Course Length: 1 hour(s)

This is an interactive course that provides instruction in the use of CRU-Support softw are. This course provides training for all levels of access w ithin CRU-Support and features hands-on practice w ithin a simulated softw are environment. Topics covered in this course include: view ing your ow n information; changing your user name and passw ord; crew management; time and attendance; and administrative functions. This is the first in a series of four courses providing instruction in the use of CRU-X softw are suite.

Prerequisites: None
And one of the following: None

57303 (CBI) CRU-OPS

Training Manager: AMA-530 Course Length: 1 hour(s)

This course is the second in a series of interactive courses providing instruction in the use of the CRU-X softw are suite. This course includes instruction for supervisors/CIC's as w ell as all information

that all users need to know to use CRU-OPS.

Prerequisites: None
And one of the following: None

57304 (CBI) CRU-Brief

Training Manager: AMA-530 Course Length: 1 hour(s)

The CRU-brief training course is the third in a series of interactive courses providing instruction in the use of the CRU-X software suite. This course includes instruction for basic users, facility representatives, air traffic managers, operations supervisors, and training administrators.

Prerequisites: None
And one of the following: None

57400 (CBI) STARS (TDW) FSL/ESL Air Traffic Training

Training Manager: ATX-100 Course Length: 18 hour(s)

This course is designed to provide certified professional controllers (CPC's) with the knowledge and skills required to operate in Full and Emergency Service Levels (FSL/ESL) in air traffic control towers. The air traffic control function set is present as used on a tower display workstation. It is presented in 26 modules.

Prerequisites: None
And one of the following: None

57401 (CBI) STARS EDC/ESL Air Traffic Operator's Training

Training Manager: ATX-100 Course Length: 8 hour(s)

This vendor-developed computer-based instruction special issue course is designed to provide certified professional controllers with the knowledge and skills necessary to operate STARS while operating in an emergency or existing automation service level (ESL/EASL). The course includes a system overview and ESL/EASL air traffic control function set training. The course is presented in eight modules.

Prerequisites: None
And one of the following: None

57402 (CBI) STARS (TCW) FSL/ESL Air Traffic Operator's Training

Training Manager: ATX-100 Course Length: 18 hour(s)

This vendor-developed computer-based instruction special issue course is designed to provide certified professional controllers with the knowledge and skills necessary to operate STARS in full- and emergency-service levels (FSL/ESL). It includes a system overview and provides instruction on the FSL air traffic control function set. The training is presented in 26 modules.

Prerequisites: None
And one of the following: None

57503 (CBI) Terminal Radar Qualification Exam

Training Manager: AMA-510 Course Length: 1 hour(s)

This examination tests the developmental air traffic control specialist's ability to define terms associated with primary and secondary radar, knowledge of the basic radar procedures, and knowledge of terminal radar separation procedures.

Prerequisites: None
And one of the following: None

57511 (CBI) Limited Aviation Weather Reporting Stations

Training Manager: AMA-530 Course Length: 16 hour(s)

This course is designed to prepare the student to take the National Weather Service LAWRS certification examination. Students receive an introduction to the MF10-1C form and in-depth instruction on the seven elements reported by LAWRS reporting stations. Upon completion of the instruction, the students will take the National Weather Service exam which requires a passing score of 80%. Students who fail to achieve a passing score may retake the test, after 14 days have passed.

Prerequisites: None
And one of the following: None

57826 (CBI) Recording Clearances and Control Information

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental certified professional controllers. The training defines each box of an en route flight strip, control symbology, and proper strip marking. This CBI lesson is equivalent to course 55054 lesson E-8-26.

Prerequisites: None
And one of the following: None

57827 (CBI) Radio and Interphone Communication

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes verbal format and phraseology for communicating with pilots and controllers. This CBI

lesson is equivalent to course 55054 lesson E-8-27.

Prerequisites: None
And one of the following: None

57833 (CBI) General Control and Board Management

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes duty priorities, procedural preferences, special interest flights, military procedures, and other items involving daily control of aircraft. This CBI lesson is equivalent to course 55054 lesson E-8-33.

Prerequisites: None
And one of the following: None

57834 (CBI) IFR Clearances and Route Assignments

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes duty priorities, procedural preferences, special interest flights, military procedures, and other items involving daily control aircraft. This CBI lesson is equivalent to course 55054, lesson E-8-33.

Prerequisites: None
And one of the following: None

57835 (CBI) IFR Flight Direction and Altitude Assignment

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes phraseology and procedures for altitude assignment, restrictions, verification, and issuing current altimeter settings. This CBI lesson is equivalent to course 55054, lesson E-8-35.

Prerequisites: None
And one of the following: None

57838 (CBI) Approaches

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes identifying components of a standard instrument approach procedure. It includes procedures and phraseology for clearing aircraft for approach and describes conditions w here visual approaches may be authroized. This CBI lesson is equivalent to course 55054 lesson E-8-38.

Prerequisites: None
And one of the following: None

57839 (CBI) Initial Separation of Departures and Arrivals

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes procedures for separating successive departures and departures w ith arrival aircraft at the same airport. It also contains procedures and phraseology for authorizing a non-approach control tow er to provide visual separation betw een departing and arriving aircraft. The CBI lesson is equivalent to Course 55054 lesson E-8-39.

Prerequisites: None
And one of the following: None

57840 (CBI) Holding Aircraft

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for enroute developmental and certified professional controllers. The training includes clearance to a holding fix, charted holding, non-charted holding, no-course signal zone, delays, special holding procedures, and clearance beyond a fix. This CBI lesson is equivalent to course 55052, lesson E-8-40.

Prerequisites: None
And one of the following: None

57842 (CBI) Forwarding Control Information

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training identifies IFR flight progress data that must be forw arded to appropriate ATC facilities, automated flight services stations, and base operations, identifies time requirements and strip marking for forw arding flight plans and amendments. This CBI lesson is equivalent to course 55054 lesson E-8-42.

Prerequisites: None
And one of the following: None

57844 (CBI) Air Traffic Services

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training identifies duties relating to air traffic control including issuing flight information, safety and terrain/obstruction alerts, traffic advisories, and w eather dissemination. This CBI lesson is equivalent to course 55054 lesson E-8-44.

Prerequisites: None
And one of the following: None

57845 (CBI) Lost Communication Procedures

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training identifies situations of lost communication w ith aircraft and/or other facilities. It includes procedures to analyze w hich component has failed and possible solutions to reestablish communication. This CBI lesson is equivalent to course 55054 lesson E-8-45.

Prerequisites: None
And one of the following: None

57847 (CBI) VFR and VFR-on-Top Procedures

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes procedures and pharaseology for providing VFR and VFR-on-Top clearances and requirements. It includes requirements and phraseology for issuing traffic advisories. This CBI lesson is equivalent to course 55054 lesson E-8-47.

Prerequisites: None
And one of the following: None

57902 (CBI) Introduction to Radar Fundamentals

Training Manager: ATX-100 Course Length: 2 hour(s)

The course provides the student w ith an understanding of the charateristics of primary and secondary radar systems; radar display problems and actions to correct them; and controller responsibilities for alignment check. In addition, it instructs the student on how to read and interpret data on the radar display. Information for this lesson w as derived from enroute stage 4, course 55055, lessons E-11-1 and e-ll-2.

Prerequisites: None
And one of the following: None

57903 (CBI) DSR Radar Position Equipment

Training Manager: ATX-100 Course Length: 2 hour(s)

This course provides the student w ith instruction on the equipment that comprises the radar console including the radar position's keyboard and trackball, keypad selection device, computer readout device, display controls and status view , and the loudspeaker panel assembly. Information for this lesson w as derived from enroute stage 4, course 55055, lesson E-11-3, radar equipment.

Prerequisites: None
And one of the following: None

57905 (CBI) Beacon Code Assignment

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes computer entries, requirements, and phraseology for assigning and monitoring aircraft beacon codes. This CBI lesson is equivalent to course 55055, lesson E-11-5.

Prerequisites: None
And one of the following: None

57906 (CBI) Radar Identification

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes criteria for establishing and maintaining radar identification and appropriate radar data processing message entries. This CBI lesson is equivalent to course 55055, lesson E-11-6.

Prerequisites: None
And one of the following: None

57907 (CBI) Radar Handoff and Point Out

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes procedures and phraseology for transferring radar identification from one controller to another. This CBI lesson is equivalent to course 55055, lesson E-11-7.

Prerequisites: None
And one of the following: None

57908 (CBI) Radar Separation and Safety Alerts

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes minimum radar separation standards for aircraft to aircraft, aircraft to adjacent airspace, and aircraft to obstructions. It also includes issuing safety alerts, verifying altitude, and VFR-on-top operations. This CBI lesson is equivalent to Course 55055, lesson E-11-8.

Prerequisites: None
And one of the following: None

57909 (CBI) Radar Vectoring

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes reasons, methods, and phraseology for vectoring aircraft. It also includes inputs for route displays and reroute messages. This CBI lesson is equivalent to course 55055, lesson E-11-9.

Prerequisites: None
And one of the following: None

57910 (CBI) Radar Departures and Arrivals

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes message entries for assigning altitudes, vectoring methods for arrival aircraft, visual approaches, and issuing advanced approach information. This CBI lesson is equivalent to course 55055, lesson E-11-10.

Prerequisites: None
And one of the following: None

57912 (CBI) Radar Emergencies

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes guidelines and rules to be used during emergency situations. This includes frequency management, ELT's, VFR emergencies, and procedures for finding lost aircraft. This CBI lesson is equivalent to course 55055, lesson E-11-12.

Prerequisites: None
And one of the following: None

57913 (CBI) Additional Services

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes priority of duties, w orkload, and procedures, conditions, and phraseology for providing additional services. This includes traffic advisories, merging target procedures, w eather, and bird activity. This CBI lesson is equivalent to course 55055, lesson E-11-13.

Prerequisites: None
And one of the following: None

57915 (CBI) Position Relief and Briefing

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training emphasizes the importance of a complete relief briefing. It identifies controller responsibilities and demonstrates the step-by-step process for relief briefings. This CBI lesson is equivalent to course 55054 lesson-11-15.

Prerequisites: None
And one of the following: None

57917 (CBI) Radar Controller Scan

Training Manager: AMA-530 Course Length: 1 hour(s)

This lesson provides training for en route developmental and certified professional controllers. The training includes terms and definitions associated w ith scanning along w ith factors involved in the decision-making process. This CBI lesson is equivalent to course 55055, lesson E-11-17.

Prerequisites: None
And one of the following: None

58006 Terminal Doppler Weather Radar (TDWR)

Training Manager: AMA-513 Course Length: 24 hour(s)

This course is designed to train air traffic control specialists (ATCS) and supervisory personnel in the use and operation of the Terminal Doppler Weather Radar (TDWR) System. The course consists of classroom and laboratory instruction on the TDWR System. This training w ill enable facility personnel to attain certification on the TDWR equipment.

Prerequisites: None
And one of the following: None

59028 Ocean 21 Air Traffic Operator Training

Training Manager: ATX-100 Course Length: 240 hour(s)

This course is designed for air traffic control specialists and air traffic control supervisors. The course is delivered in modules, and each module consists of a lecture follow ed by extensive hands-on application and observation using the Ocean 21 simulator. At the completion of the course, the trainee w ill have demonstrated sufficient know ledge and skill using Ocean 21 functions to be able to provide oceanic area air traffic service.

Prerequisites: None
And one of the following: None

59033 Ocean 21 for Air Traffic Support Specialists

Training Manager: ATX-100 Course Length: 40 hour(s)

This course is designed for air traffic support specialists and air traffic control supervisors. The course is delivered in modules, and each module consists of a lecture followed by extensive hands-on application and observation using the Ocean 21 simulator. At the completion of the course, the trainee will have demonstrated sufficient knowledge and skill using Ocean 21 simulator functions to be able to develop a scenario and act as a pseudo-pilot and pseudo-ATSU (Air Traffic Service Unit).

Prerequisites: None
And one of the following: None

59035 Ocean 21 for Supervisor/Controller-In-Charge

Training Manager: ATX-100 Course Length: 16 hour(s)

This vendor-developed course is designed for supervisory air traffic specialists and controller-in-charge personnel. It consists of two lessons followed by hands-on application. At completion, the students will have demonstrated the supervisory knowledge and skill set using the Ocean 21 simulator functions. Subject matter includes airspace configuration, workload management, and base sector modification, SID/STAR processing, airspace reservation processing, NOTAM processing, system failure assistance, and specify current contact frequency for CPDLC transfer of voice communications.

Prerequisites: 59028
And one of the following: None

59041 EDC to Full STARS Delta Air Traffic Operators Training

Training Manager: ATX-100 Course Length: 56 hour(s)

This course is designed to teach controllers who are trained on the STARS EDC System the operation of the Full-service STARS System. The course is 7 days in length. The first day provides orientation to controllers from control towers who have not had exposure to the STARS System. Attendance by those who have had EDC training is not required. The next 5 days are training on the operations of the full STARS service level. It consists of 28 lessons and 27 laboratory exercises. The final day is training on the ATcoach simulator load procedures and pseudo pilot commands.

Prerequisites: None
And one of the following: 55401, 59401

59402 STARS Cadre Fsl/Esl Air Traffic Operator's Training

Training Manager: ATX-100 Course Length: 56 hour(s)

This course is designed to teach qualified certified professional controllers (selected as cadre instructors) the operation of the Standard Terminal Automation Replacement System (STARS) in Full Service Level (FSL) and Emergency Service Level (ESL) modes. The course provides theoretical and practical instruction in the operation of the STARS terminal controller workstation (TCW) and tower display workstation (TDW) in both modes. This course consists of an introduction to STARS and 30 lessons covering all aspects of operation of the TDW and TCW. The course provides 30 lab sessions to provide students practical training in all aspects of STARS.

Prerequisites: None
And one of the following: None

59403 STARS ATcoach Exercise Setup and Pilot Training.

Training Manager: ATX-100 Course Length: 24 hour(s)

This course takes the student through a two-step process: (1) using ATcoach to configure an exercise for training and (2) performing the pilot commands in response to controller inputs. The course covers all steps necessary for configuring an exercise at either a STARS terminal controller workstation (TCW) or STARS general purpose workstation (GPW), and the functionality of running a pilot on either platform. The course includes three classroom lectures, two classroom labs, and two practical laboratory sessions.

Prerequisites: None
And one of the following: None

59404 STARS Lite Air Traffic Operator's Training

Training Manager: ATX-100 Course Length: 16 hour(s)

This traditional lecture and laboratory vendor-developed course is designed for air traffic controllers at facilities receiving the STARS Lite System. It consists of eleven lessons and associated labs. Subject matter includes an introduction to the system including major components and the controller function set.

Prerequisites: None
And one of the following: None

60000 (IVT) Federal Financial Accounting Standards

Training Manager: AHR-16 Course Length: 12 hour(s)

The course is an overview of the new Federal financial accounting standards. The course is a review of the purpose, usefulness, fundamental requirements and techniques of applying these standards. Understanding, interpreting, and applying these new standards are fundamental for financial managers, accountants, auditors, etc., to comply with the Chief Financial Officers Act of 1990, as expanded by the Government Management Reform Act.

Prerequisites: None
And one of the following: None

60001 (IVT) ATS Cost Accounting

Training Manager: AHM-1 Course Length: 4 hour(s)

This course is the second phase of a three-phase training course for ATS cost accounting. It provides managers an understanding of specific ATS cost accounting reports and demonstrates the effective utilization of cost information in daily decision making.

Prerequisites: 12750
And one of the following: None

60002 LDR for Managers/Executive

Training Manager: AHR-16 Course Length: 6 hour(s)

Labor distribution reporting (LDR) is an effective and efficient means of tracking labor hours for projects and activities. This course teaches managers/supervisors the LDR process, how to check for compliance, the benefits of LDR, and the types of labor reports generated from LDR data for management use.

Prerequisites: None
And one of the following: None

61000 (IVT) Aviation Training Network (ATN) Site Administrator

Training Manager: AMA-300 Course Length: 3 hour(s)

This IVT course is designed for experienced and new Aviation Training Network (ATN) site administrators. Topics will cover: an overview of the ATN Satellite System including an explanation of compressed digital video and the local satellite integrated receiver decoder; an overview of the viewer response system including how the one touch systems site controller and keypads connect to the presentation server (HOST) and work during an ATN broadcast; virtual tour of the ATN studio and control room at the FAA uplink; discussions on closed captioned atn broadcasts; GETN satellite compatibility; how to register for GETN broadcasts; and duties of the local ATN site administrator.

Prerequisites: None
And one of the following: None

61205 (IVT) Labor Management Relations

Training Manager: AHR-24 Course Length: 24 hour(s)

In order for leaders to achieve positive outcomes in a multiple interest, bargaining unit work environment, they must know and be able to apply LMR principles and law. Course participants will learn to apply appropriate LMR in the workplace via an understanding of the rights and responsibilities as defined by law, collective bargaining agreements, and executive orders. A framework for building collaborative LMR relationships is presented. The methodologies used in this highly interactive course include case studies, lecture and discussion, small and large group activities, and video scenarios. The IVT system includes student interaction via a response keypad system.

Prerequisites: None
And one of the following: None

62001 (IVT) Aircraft Wiring Best Practices

Training Manager: AFS-520 Course Length: 8 hour(s)

This course was designed to explain the basic concepts of aircraft wiring practices. The course provides an overview of the aging wiring history, an update on current FAA guidance, detailed information on AC 43.13-1B, AC 25-16, wire separation, and instructions for continued airworthiness. This course was designed for flight standards maintenance inspectors and is presented via interactive video teletraining. Training methods used in this course include informal lecture and videotape. A self-assessment test is administered at the beginning and end of training.

Prerequisites: None
And one of the following: None

62800 (IVT) Introduction to Aircraft Loads/Basic Loads

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of ten overviews of technical topics in the airframe engineering curriculum. Participants will be able to: gain a basic understanding of the importance of loads data to the overall design and manufacture of fixed wing aircraft; how loads are developed and used; methodologies for generating and validating loads data; and how loads are reported to the FAA and what to do with these data.

Prerequisites: None
And one of the following: None

62801 (IVT) Damage Tolerance

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of ten overviews of technical topics in the airframe engineering curriculum. Participants will be able to: identify and use the appropriate FAR sections for reviewing the DTE report; verify the validity and accuracy of all the supporting analysis and test data to support the evaluation; and determine when it is appropriate to seek advice from a national resource specialist or other expert in evaluating the data.

Prerequisites: None
And one of the following: None

62802 (IVT) Software Fundamentals: Computer Science Lesson

Training Manager: AMA-220 Course Length: 8 hour(s)

This (IVT) mini-course is one in a series of overview s of technical topics in the systems engineering curriculum. It provides an overview of basic computer concepts, principles, and terminology and its relationship to aircraft. Participants w ill be able to: explain the key elements of computers, their interactions, and application to aircraft; describe how computers process instructions; describe the interaction of softw are w ith hardw are; explain embedded and general purpose computers and their use in aircraft; define key softw are terminology; and explain the need for assurance for softw are and hardw are.

Prerequisites: None
And one of the following: None

62803 (IVT) Flutter/Aeroelastic Stability

Training Manager: AMA-220 Course Length: 8 hour(s)

This (IVT) mini-course is one in a series of ten overview s of technical topics in the airframe engineering curriculum. Participants w ill be able to: recognize the characteristics of different types of aeroelastic instabilities; list the relevant FAR requirements; review applicant's Flutter certification plan and understand the approach to demonstrate compliance; describe parameters that effect aeroelastic stability and relate them to design features and changes; and understand the education, training, and experience necessary to make journey-level findings of compliance.

Prerequisites: None
And one of the following: None

62804 (IVT) Repairs and Modifications

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of ten overview s of technical topics in the airframe engineering curriculum. Participants w ill be able to: recognize the differences betw een repair and an alteration, major and minor repairs, major and minor alterations; list the relevant FAR's addressing repairs and alterations; recognize how typical alterations impact airw orthiness; and recognize the steps in the STC approval process.

Prerequisites: None
And one of the following: None

62805 (IVT) Composite Materials

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of ten overview s of technical topics in the airframe engineering curriculum. Participants w ill be able to: verify that the material systems selected meets recommended selection criteria; verify that appropriate considerations are taken into account in the static strength demonstration; verify that appropriate material/processing variability considerations are included in damage tolerance testing and that appropriate residual strength considerations are addressed; and determine w hen it is appropriate to seek advice from an NRS or other expert in evaluating structural substantiation programs.

Prerequisites: None
And one of the following: None

62806 (IVT) Introduction to Metallurgy

Training Manager: AMA-220 Course Length: 5 hour(s)

This (IVT) mini-course is one in a series of ten overview s of technical topics in the airframe engineering curriculum. Participants w ill be able to: understand the importance of metal materials and processes to type design; describe how metals and alloys solidify and list the factors that control ingot structure; describe how mill products are produced from ingots by hot and cold w orking; describe how metallic materials are hardened by heat treatment and by other means; describe how fabrication and finishing operations affect the properties of metals and alloys; and recognize w hen, for a certification, a metallurgist needs to be part of the FAA team.

Prerequisites: None
And one of the following: None

62807 (IVT) Crashworthiness

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of ten overview s of technical topics in the airframe and systems engineering curriculum. Participants w ill be able to: determine w hether a compliance inspection is necessary; identify key issues to focus on during the inspection; recognize those areas that require further policy and guidance from applicable technical specialist or transport standards staff personnel; and conduct an inspection and identify non-compliance issues.

Prerequisites: None
And one of the following: None

62808 (IVT) HIRF/AND Lightning Protection

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of overview s of technical topics in the systems engineering curriculum. The participant w ill be able to: identify and use the appropriate FAR parts for review ing the report; verify the validity of the aircraft lightning zones defined; determine w hether the appropriate steps have been accomplished for the electrical and electronic systems lightning protection; verify that the system HRIR protection compliance approach is adequate; and determine w hen it is appropriate to seek advice from an NRS or oter expert in evaluating the data.

Prerequisites: None
And one of the following: None

62809 (IVT) Systems Safety Assessment

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. The participant will be able to: understand the history behind the fail-safe design concept; identify the issues leading to the development of ARP 4754; state the key topics of ARP 4754 and ARP 4761; understand the key concepts and objectives of functional hazard assesment, fault tree analysis, failure modes and effects analysis, and common cause analysis; and know the objectives and purpose of a preliminary system safety assessment and a system safety assessment and understand what tools are applicable to each.

Prerequisites: None
And one of the following: None

62810 (IVT) Stress Analysis

Training Manager: AMA-220 Course Length: 3 hour(s)

This (IVT) mini-course is one in a series of ten overviews of technical topics in the airframe engineering curriculum. Participants will have an understanding of the basic concepts and principles of stress analysis, to include: the applicability of Newtonian physics; the needs to establish static balance; the need to validate analytical methods; the need to evaluate the effects of assumptions; the need to evaluate whether analysis is appropriate or if a test is necessary; the relationship of stress analysis to subparts C and D; and the evaluation of the effect of stress on the aircraft.

Prerequisites: None
And one of the following: None

62811 (IVT) Advanced Communications

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: understand the certification role in the implementation of data communication systems for air traffic services; understand the relationship among the various FAA organizations involved in deploying data communication systems and providing air traffic services; understand and participate in the coordination process within the FAA for implementing data communication systems; and review aircraft data communication systems for regulatory compliance.

Prerequisites: None
And one of the following: None

62812 (IVT) Automatic Flight Controls

Training Manager: AMA-220 Course Length: 5 hour(s)

This (IVT) mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. The participant will be able to: understand basics of automatic flight control systems; FAR's/AC's related to automatic flight control design certification; important concepts and approaches used in design for safety and protection against failures; basics of aerodynamic flights controls and consequences for afc design, concepts of stability, and trim and control augmentation functions; AFS system architecture evolution; various modes of AFC's; overview of control systems theory; fly-by-wire system concepts; and what's coming in the future.

Prerequisites: None
And one of the following: None

62813 (IVT) Digital Flight Data Recorder

Training Manager: AMA-220 Course Length: 3 hour(s)

This (IVT) mini-course is one in a series of overviews of technical topics for electrical systems engineer. Participants will be able to: identify and use the appropriate FAR parts for certifying digital flight data recorders (DFDR's); understand the new advisory material on certifying and maintaining DFDR's; and understand the compliance issues that have been problematic in the past.

Prerequisites: None
And one of the following: None

62814 (IVT) Low Visibility/Auto Pilot

Training Manager: AMA-220 Course Length: 5 hour(s)

This (IVT) mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: recognize the architecture, system integrity, and pilot interface for autopilots; discuss analyses the applicant prepares for FAA system engineers; discuss functions required for fail-passive and fail-operational designs for autoland and rollout flight phases; discuss Monte Carlo simulation, simulation models and validation of aerodynamic and flight control systems; discuss wind turbulence models; and discuss representative fault hazard assessment determined criticality for fail-operational and fail-passive systems.

Prerequisites: None
And one of the following: None

62815 (IVT) Advanced Navigation

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: identify the key FAR parts and associated guidance material that are applicable to navigation certification projects; understand the

relationship between airworthiness and operational approvals; understand the role of TSO's and industry standards in the certification process; understand the relationship between aircraft and operational phases of flight navigation requirements; and understand the aircraft flight control/navigation system integration issues, operations and certification basis.

Prerequisites: None
And one of the following: None

62816 (IVT) Complex Electronic Hardware

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: explain various types of complex electronic hardware; describe current policy and practices of complex electronic hardware; explain the current industry and government development of guidance; and describe future FAA activities and plans.

Prerequisites: None
And one of the following: None

62817 (IVT) Icing

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is one in a series of overviews of technical topics in the systems engineering curriculum. Participants will be able to: understand why ice protection systems are required; ice protection systems designs and considerations; lessons learned from safety records; ice detector utilization; initiatives addressing lessons learned and knowledge shortfalls; current and future resources to understand means of regulatory compliance; and approval processes.

Prerequisites: None
And one of the following: None

62819 (IVT) Using the Software Job-Aid to Conduct Software Reviews

Training Manager: AIR-130 Course Length: 4 hour(s)

This (IVT) mini-course is designed for engineers and inspectors who have experience in conducting software reviews. The training focuses on how to use a newly developed software job aid. The job aid is a tool to be used by engineers and inspectors who, as a team, conduct software reviews prior to certification. Participants will be able to: describe the job aid tasks, processes, and activities; explain the four stages of involvement; identify how to tailor the job aid for different projects; and describe how findings and observations are documented.

Prerequisites: None
And one of the following: None

62820 (IVT) Aircraft Certification's New Software Policy

Training Manager: AIR-130 Course Length: 8 hour(s)

This (IVT) mini-course is designed for engineers who are responsible for software approvals. It provides an overview of aircraft certification's new software notices. Engineers responsible for software approvals to FTCA DO-1788 will use this policy for performing software evaluations and approvals. Subjects include: field loadable software approval; production manufacturer approval for field loadable software; approval of legacy systems involving software changes; the software review process; level D and previously developed software approval; user modifiable software approval; software tool qualification; and minor versus major software changes.

Prerequisites: None
And one of the following: None

62821 (IVT) JAA/FAA Validation Principles

Training Manager: AIR-510 Course Length: 8 hour(s)

This (IVT) mini-course presents the principles and general process for validation. The focus is on the new concept of the validation item and on the validating authority formally identifying and justifying specific areas in which they will be making findings of compliance. Topics include: history of international cooperations; validation principles, concepts and key terms; four phases in a validation process; post-type validation design change; and continued airworthiness. The JAA and the FAA jointly developed the course.

Prerequisites: None
And one of the following: None

62822 (IVT) ACSEP Update, Rev. A Brings Improvement to the Program

Training Manager: AMA-220 Course Length: 4 hour(s)

This (IVT) mini-course is designed to provide an overview of policy changes required by revision a to order 8100.7 and review lessons learned and best practices. Participants will be able to: conduct ACSEP evaluations in accordance with current policy and best practices; report ACSEP evaluation results in the newly required format; and gain efficiency through the knowledge gained from lessons learned.

Prerequisites: None
And one of the following: None

62823 (IVT) Software Change Impact Analysis Policy

Training Manager: AIR-510 Course Length: 4 hour(s)

This course provides an overview of AIR's new notice on using the softw are change impact analysis to help in the classification of a softare change as 'major' or 'minor'. Topics include: importance of review ing softw are change processes; softw are change impact analysis; regression testing; and major/minor change classification process.

Prerequisites: None
And one of the following: None

62824 (IVT) Air Software Conformity Policy

Training Manager: AIR-510 Course Length: 4 hour(s)

Provides an overview of AIR's new notice on guidelines for softw are conformity inspection and review . This policy applies to review s and inspections related to type certificates, supplemental type certificates, amended type certificates, and technical standard order authoriztions.

Prerequisites: None
And one of the following: None

62825 (IVT) Software Reuse

Training Manager: AIR-510 Course Length: 8 hour(s)

This presentation w ill explain w hat softw are reuse is and w hy it is desirable for applicants. Safety concerns associated w ith using softw are reuse w ill also be discussed. Some of the FAA activities in the area of softw are reuse w ill be explained along w ith a description of the new technologies that enable softw are reuse.

Prerequisites: None
And one of the following: None

62826 (IVT) Modified Condition/Decision Coverage (MC/DC)

Training Manager: AIR-510 Course Length: 4 hour(s)

This presentation w ill explain the purpose, function, and operation of MC/DC. It w ill describe the kinds of errors that MC/DC addresses and explain the process of evaluating an applicant's MC/DC data. It w ill also cover briefly some of the advanced MC/DC topics.

Prerequisites: None
And one of the following: None

62827 (IVT) Aircraft Wiring Practices

Training Manager: AMA-220 Course Length: 8 hour(s)

This training w ill deliver a detailed presentation of all aspects of w iring practices. It covers applicable 14CFR's, policy, and industry practices in the area of w iring. Primary factors associated w ith w ire degradation w ill be introduced. Information on TC/STC data package requirements, w ire selection and protection, routng, splicing, and termination practices are included. This training also covers w iring maintenance concepts, including how to perform a w iring general visual inspection. The instructors w ill use actual aircraft w iring video clips, numerous examples, and photos.

Prerequisites: None
And one of the following: None

62828 (IVT) Changed Product Rule - Awareness Briefing

Training Manager: AIR-510 Course Length: 3 hour(s)

The purpose of this aw areness briefing is to present the objective of the rule changes and to explain the major elements of the changed product rule (CPR) and how the modified rules impact the FAA and current practices.

Prerequisites: None
And one of the following: None

62829 (IVT) Changed Product Rule Implementation

Training Manager: AIR-510 Course Length: 12 hour(s)

This course describes the meaning of the changes contained in the new Rule 21.101 and how those changes are used to establish the certification basis for a changed product. The course content explains w hat a changed product is and details possible exceptions an appliant may use for not choosing to implement the Rule. This includes determination of w hether or not the change is significant. Other exceptions include not affected area, not contribute materially to the level of safety, and w hether the change is impractical.

Prerequisites: None
And one of the following: None

62830 (IVT) Understanding AIR's Software Approval Processes

Training Manager: AIR-510 Course Length: 4 hour(s)

This course provides an overview of the softw are approval activities performed by FAA certification engineers. It also describes issues associated w ith managing resources to carry out the softw are approvals.

Prerequisites: None
And one of the following: None

62831 (IVT) STC Validations Under Bilateral Agreements

Training Manager: AIR-510 Course Length: 4 hour(s)

This course provides an overview of supplemental type certificates (STC) validation. It reviews requirements for STC validations and procedures for processing requests. It also explains PMA acceptance support provisions of bilaterals.

Prerequisites: None
And one of the following: None

62832 (IVT) ACSEP Order 8100.7, Revision B

Training Manager: AMA-220 Course Length: 2 hour(s)

This 2-hour course will introduce Revision B changes to FAA Order 8100.7, Aircraft Certification Systems Evaluation Program. The training will cover Revision B changes and the replacement of findings and observations by noncompliances. The training will cover the reasons for the Revision B change. It will cover changes to the Appendix 14, System Elements and Criteria; changes to the applicability box; and changes to FAA fForm 8100-4. It will also overview what has not changed in Order 8100.7. The training will also discuss definitions of noncompliances and changes to Form 8100-6. The ATN participants will work several exercises using the new FAA Form 8100-6.

Prerequisites: 21415
And one of the following: None

62833 (IVT) Time-Limited Dispatch

Training Manager: AIR-510 Course Length: 8 hour(s)

This course will introduce participants to the concept, purpose, policies, and history underlying time-limited dispatch (TLD), as well as to analysis techniques (fault tree and Markov modeling for reliability). TLD applies to engines fitted with full authority digital electronic controls (FADEC). It is a method of allowing dispatch for short intervals with a redundant system that has one or more failed elements that individually or in combination do not prohibit function within the system of an airplane. TLD is an element of engine certification, policy for FADEC system TLD sets a common standard for engine control reliability.

Prerequisites: None
And one of the following: None

62834 (IVT) Integrated Modular Avionics

Training Manager: AIR-510 Course Length: 8 hour(s)

This course provides an overview of the FAA's new Technical Standard Order (TSO), C153, and Advisory Circular (AC) on Integrated Modular Avionics (IMA). It will describe technical topics within the IMA AC, keys to improving IMA Systems, and future trends in IMA technology.

Prerequisites: None
And one of the following: None

62835 (IVT) Aircraft Electromagnetic Compatibility (EMC)

Training Manager: AIR-510 Course Length: 3 hour(s)

Some of the goals for this course are: Identify the goals of an aircraft EMC and identify EMC factors that need to be considered when evaluating an application for certification. An example would be: Given a particular aircraft (23, 25, 27, or 29), identify regulatory requirements that form a framework for evaluating the aircraft's EMC. Describe key factors in each of the following: Four approaches to aircraft EMC verification and identify the advantages and disadvantages of each.

Prerequisites: None
And one of the following: None

62836 (IVT) Software Reuse in Airborne Systems

Training Manager: AIR-510 Course Length: 16 hour(s)

This course provides an overview of technical topics and safety issues related to software reuse and the FAA's policy and guidance. It also explains industry's motivation for pursuing software reuse.

Prerequisites: None
And one of the following: None

62837 (IVT) Bloodborne Pathogens Awareness

Training Manager: AIR-510 Course Length: 1 hour(s)

This IVT training describes the hazards of bloodborne pathogens while performing aircraft accident investigations. The various bloodborne pathogens are described and there is a discussion of the vaccination for hepatitis B. The course outlines the process for conducting an accident investigation to minimize the exposure to bloodborne pathogens and covers the use and danger of wearing biohazard gear. It fulfills the training requirement specified by FAA Order 8020.11B. It is required for employees identified as being subject to call-out to support an accident response 'go team'.

Prerequisites: None
And one of the following: None

62838 (IVT) Working W/European Community and New EASA (AIR)

Training Manager: AIR-510 Course Length: 6 hour(s)

This course provides information for conducting business with the European community under the regulatory authority of the European

Aviation Safety Agency (EASA). The training discusses the structure of EASA and the interface between AVR, EASA, and National Airworthiness Authorities (NAAS) during the transition. This course is for AIR. There is a similar course for AFS.

Prerequisites: None
And one of the following: None

62839 (IVT) Working W/European Community and New EASA (AFS)

Training Manager: AIR-510 Course Length: 4 hour(s)

This course provides information for conducting business with the European community under the regulatory authority of the European Aviation Safety Agency (EASA). The training discusses the structure of EASA and the interface between AVR, EASA, and National Airworthiness Authorities (NAAS) during the transition. This course is targeted to AFS. There is a similar course for air.

Prerequisites: None
And one of the following: None

64000 (IVT) NAS Overview for MCC Specialists

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides breadth training for technicians, engineers, and NAS managers on the National Airspace System. The course is 100% interactive-video teletraining. Subjects include the functional and operational characteristics of equipment, systems, and services which comprise the NAS, including emphasis on interrelationships and dependencies of NAS systems and services.

Prerequisites: None
And one of the following: None

66001 (IVT) Passenger Facility Charge (PFC) Select Topics

Training Manager: AMA-620 Course Length: 10 hour(s)

This 2-day interactive-video teletraining (IVT) course is for airports service personnel involved with the passenger facility charge (PFC) program. Instructions and discussions include selected features of the PFC program, application, approval, and oversight procedures. Examples and the latest policy and procedure changes are cited.

Prerequisites: None
And one of the following: None

66002 (IVT) PFC Select Topics

Training Manager: AMA-620 Course Length: 5 hour(s)

This interactive-video teletraining course is for airports service personnel involved with the passenger facility charge (PFC) program. Instruction and discussion include selected features of the PFC program and of PFC application, approval, and oversight procedures. Examples and the latest policy and procedure changes are cited.

Prerequisites: None
And one of the following: None

66003 (IVT) Passenger Facility Charge (PFC) Basics

Training Manager: AMA-620 Course Length: 5 hour(s)

This interactive-video teletraining (IVT) course is for airports service personnel who need introductory training in the basics of the passenger facility charge (PFC) program. Instruction and discussion include applications, financial plans, extensions, amendments, and project eligibility.

Prerequisites: None
And one of the following: None

70000 ASH Instructor Development Workshop

Training Manager: ASH-20 Course Length: 36 hour(s)

This workshop prepares ASH personnel to perform associate staff instructor functions. The course develops effective skills in course delivery including classroom management, use of media, interactive learning techniques, adult-learning styles, questioning skills, and other presentation/facilitation techniques. The course is required for all associate staff members.

Prerequisites: None
And one of the following: None

70020 FAA Investigations Course

Training Manager: ASH-20 Course Length: 72 hour(s)

This course provides knowledge and skills needed to perform investigative activities. Subjects include: types of investigations; scoping; sources of information; interviewing techniques; exhibits and evidence; ethics; advisements; the Freedom of Information Act and the Privacy Act; reports of investigations; labor and management relations; and other related subjects.

Prerequisites: None
And one of the following: None

70100 FAA Facility Security Management Program

Training Manager: ASH-20 Course Length: 76 hour(s)

This course provides a general introduction and understanding of the principles of the FAA Facility Security Management Program (FSMP). It defines the roles and responsibilities for conducting physical security

assessments and inspections at FAA facilities to reduce sabotage, theft, terrorism, or other criminal acts. The training includes lecture, lab, and comprehensive exercises that simulate the conduct of physical assessments and inspections.

Prerequisites: None
And one of the following: None

70105 Personnel Security Workshop

Training Manager: ASH-20 Course Length: 24 hour(s)

This workshop provides refresher training and includes an overview of the headquarters program. It also covers such topics as the personnel security program, the contractor program, the audit program, and concludes with policy issues.

Prerequisites: None
And one of the following: None

70107 Internal Security Refresher Workshop

Training Manager: ASH-20 Course Length: 36 hour(s)

This workshop provides refresher training for the internal security program; updates and changes to FAA orders; ID media; credentials; facility security site surveys and design reviews; and Facility Security Reporting System (FSRS).

Prerequisites: None
And one of the following: None

70108 Investigations Refresher Workshop

Training Manager: ASH-20 Course Length: 32 hour(s)

Workshop provides refresher training for all aspects of FAA investigations including updates to FAA policies, procedures and processes for handling acountability board cases, and law enforcement assistance.

Prerequisites: None
And one of the following: None

70109 FAA Personnel Security

Training Manager: ASH-20 Course Length: 72 hour(s)

This course is designed to provide a general introduction and understanding of the principles of the FAA personnel security program. The course provides basic knowledge of regulatory requirements and skills important in performing a wide range of functions relating to suitability and security requirements for employment and continued employment of FAA employees and contract employees.

Prerequisites: 78103
And one of the following: None

70111 Weapons of MASS Destruction for FAA Facility Security

Training Manager: ASH-20 Course Length: 32 hour(s)

This course is awareness training for response to nuclear, radiological, biological, or chemical incidents at an FAA facility. Practical exercises and a debrief are part of the training.

Prerequisites: 70100
And one of the following: None

70112 Law Enforcement Assistance Program (LEAP) Workshop

Training Manager: ASH-20 Course Length: 36 hour(s)

Provides refresher training for all aspects of the law enforcement assistance program.

Prerequisites: None
And one of the following: None

70303 Communication Security (COMSEC) Account Mgt/STE

Training Manager: ASH-20 Course Length: 48 hour(s)

This course provides communications security (COMSEC) account managers and alternates with the knowledge and skills required to maintain a COMSEC account using national documents. The course covers required policies, procedures, and forms associated with the position and current FAA account management practices derived from policy and guidance from the National Security Agency and the United States Air Force. The course consists of lecture, practical activities, and a comprehensive exercise to simulate the activities used when managing FAA COMSEC accounts, and secure terminal equipment (STE).

Prerequisites: None
And one of the following: None

70304 Communication Security (COMSEC) Account Management

Training Manager: ASH-20 Course Length: 36 hour(s)

This course provides communications security (COMSEC) account managers and alternates with the knowledge and skills required to maintain a COMSEC account using national documents. The course covers required policies, procedures, and forms associated with the position and current FAA account management practices derived from

policy and guidance from the national security agency and the United States Air Force. The course consists of lectures, practical activities, and a comprehensive exercises to simulate the activities used when managing FAA COMSEC accounts.

Prerequisites: None
And one of the following: None

70305 Secure Terminal Equipment (STE

Training Manager: ASH-20 Course Length: 20 hour(s)

The course consists of lecture, practical activities, and a comprehensive exercise to simulate the activities used to install and operate the secure terminal equipment.

Prerequisites: None
And one of the following: None

70401 Air Transportation of Dangerous Goods - Basic

Training Manager: ASH-20 Course Length: 95 hour(s)

This course teaches hazardous materials (HAZMAT) specialists how to perform regulatory oversight for the safe air transportation of dangerous goods (DG). The course focuses on providing students with the ability to use and apply both the International Civil Aviation Organization (ICAO) and 49 Code of Federal Regulations (CFR). Other major course content areas include conducting DG assessments, compliance and enforcement, and preparing DG IERS. Students demonstrate an understanding of the subject matter through a variety of individual exercises, group activities, written tests, and a final practical activity.

Prerequisites: None
And one of the following: None

70408 FAA Hazmat Investigations Course

Training Manager: ASH-20 Course Length: 36 hour(s)

Students will learn to use effective techniques and procedures to conduct hazmat investigations. The course covers types of hazmat investigations; investigative authorities; scoping; evidence; interviewing methods, techniques, and advisements; investigative techniques and requirements; and preparing the enforcement investigative report.

Prerequisites: 70401
And one of the following: None

70600 Administrative Officers (AO) Workshop

Training Manager: ASH-20 Course Length: 24 hour(s)

This workshop is designed to provide refresher training in ASH administrative areas such as budget, financial management, training coordination, LDR, and administrative management.

Prerequisites: None
And one of the following: None

70601 LDR for ASH Quality Assurance Resources

Training Manager: ASH-20 Course Length: 4 hour(s)

The course traces the LDR process and agency/LOB/SO charging practices and the roles that the QAR assumes in each. Using the QAR reference guide, CAS/LDR/FAA-wide dictionary and specific LOB/SO resources, students will explore their role as liaison advisor on charging practices, compliance monitor, investigator of reports, and manager of project and activity codes to ensure the LDR data for the organization is complete and supports FAA personnel in following LDR policy and procedures.

Prerequisites: None
And one of the following: None

71001 CGP Orientation for Current Managers

Training Manager: ASH-20 Course Length: 24 hour(s)

This course is the first phase in the Continuous Growth Program (CGP) for current ASH managers. Participants will be engaged in discussions regarding ASH values and culture. Participants will receive training on balancing life and work, understanding and using 360 degree feedback, coaching and listening skill building, and how to create a model work environment. The final product of the orientation is the Mmanagement Development Plan (MDP) using feedback from their manager and the assessment.

Prerequisites: None
And one of the following: None

71002 Continuous Growth Program (CGP) Orientation - Model Program

Training Manager: ASH-20 Course Length: 32 hour(s)

This course is the first phase in the Continuous Growth Program (CGP) for I band or higher ASH employees who aspire to be managers. Participants will be engaged in discussions regarding the ASH values and culture. They will receive training on understanding and interpreting 270 degree feedback. During orientation, participants will create their management development plan (MDP) using feedback from their manager and the 270 degree assessment.

Prerequisites: None
And one of the following: None

71003 Model Core - Part 1

Training Manager: ASH-20 Course Length: 28 hour(s)

This course is a requirement for model program participants. It includes instruction on keeping balance in your work and life, communication skills for effective coaching, and other management skills.

Prerequisites: None
And one of the following: None

72102 Air Transportation of Dangerous Goods Basic - International

Training Manager: ASH-20 Course Length: 88 hour(s)

This dedicated international course is designed to prepare government and industry dangerous goods inspectors or aviation personnel to conduct dangerous goods inspections and to understand the proper procedures for handling dangerous goods shipments. The training provides a thorough understanding of the International Civil Aviation Organization's (ICAO) guidelines for the safe transport of dangerous goods by air.

Prerequisites: None
And one of the following: None

74104 Is Management for Me?

Training Manager: ASH-20 Course Length: 8 hour(s)

This course will help potential model program participants assess their ability and willingness to accept the responsibility, accountability, and challenges of being a manager. It will enable potential applicants to make an informed decision about whether to pursue management and/or apply to the model program. This course is designed for E-learning, however, it can be printed and taken manually.

Prerequisites: None
And one of the following: None

74105 How to Be a Great Mentor...in Under 30 Minutes.

Training Manager: ASH-20 Course Length: 8 hour(s)

This course is presented by 'Deliver the Promise,' on CD ROM containing 8 sessions. The training provides mentors the necessary knowledge and skills to become effective. It includes: what mentoring is; what a mentor does; how the mentoring process works; what to expect from a mentee; how to check mentor and mentee progress; how to avoid common mentoring pitfalls; and how to improve as a mentor. A package, which includes additional information to assist each mentor in performing his/her duties, will accompany each CD to supplement the training. The supplemental training package also relates the training that 'Deliver the Promise' provides to the Office of Security and Hazardous Materials (ASH) manager development mentor

Prerequisites: None
And one of the following: None

75100 Facility Security Seminar - International

Training Manager: ASH-20 Course Length: 36 hour(s)

Seminar provides international aviation personnel with specific knowledge about physical security requirements.

Prerequisites: None
And one of the following: None

75200 (IVT) Air Transportation of Hazardous Materials (Recurrent)

Training Manager: ASH-20 Course Length: 6 hour(s)

Recurrent training related to FAA's responsibilities for the air transportation of hazardous materials. Delivered in interactive video format. The course provides information on regulatory changes, FAA/industry partnership, compliance and enforcement, and initiatives related to the safe transport of hazardous materials program. Course length is dependent on subject (3, 6, or 9 hours).

Prerequisites: None
And one of the following: None

75203 (IVT) TSI Performance Oriented Packages/Enforcement Sanction

Training Manager: ASH-20 Course Length: 12 hour(s)

The Transportation Safety Institute (TSI) presents performance oriented packages and the Research and Special Programs Sdministration (RSPA) enforcement sanctions tailored to aviation security programs. The course is now available on the ASH portals page.

Prerequisites: None
And one of the following: None

75206 (IVT) Facility Security Management Program

Training Manager: ASH-20 Course Length: 6 hour(s)

The purpose of this course is to update internal security specialists on changes to FAA orders and then the impact they have when conducting facility risk assessments and inspections.

Prerequisites: None
And one of the following: None

75207 (IVT) E-Quip System - OPM

Training Manager: ASH-20 Course Length: 6 hour(s)

The training focus for this IVT is on the new automated procedure for requesting security forms from employees and/or applicants and is part of the e-GOV initiative to electronically process security forms, automated SF-86.

Prerequisites: None
And one of the following: None

75209 (IVT) Management Inquiries

Training Manager: ASH-20 Course Length: 6 hour(s)

This IVT is a 'how-to-do' course for managers on conducting management inquiries. Content includes preliminary inquiry techniques; planning the inquiry; interviewing techniques; referal procedures; evidence collection; obtaining declarations; and preparing the written management inquiry. The training will include extensive use of scenarios to reinforce the subject matter. Target audience: for all managers in the FAA.

Prerequisites: None
And one of the following: None

75401 Air Transportation of Dangerous Goods Seminar-International

Training Manager: ASH-20 Course Length: 36 hour(s)

The workshop provides a basic awareness of the safe air transport of dangerous goods and the FAA's role in this function. Certified hazardous materials instructors present the FAA's role in ensuring the safe transportation of dangerous goods by air. The basic use of the International Civil Aviation Organization (ICAO) technical instructions and techniques, and the FAA assessment process will be covered during this workshop.

Prerequisites: None
And one of the following: None

76010 FLETC Physical Security Training Program

Training Manager: ASH-20 Course Length: 64 hour(s)

This training provides in-depth knowledge of physical security systems and procedures used to develop and conduct explosives security surveys. Subjects include vulnerability assessments, threat analysis and risk assessment, bomb threat procedures, weapons and explosives detection, etc. Attendance is limited to ASH physical security specialists.

Prerequisites: None
And one of the following: None

76101 (NTSB) Aircraft Accident Investigation

Training Manager: ASH-20 Course Length: 80 hour(s)

This class provides students with the knowledge and skills needed to investigate a civil aircraft accident. U.S. and international legal rules and procedures pertaining to aircraft accident investigation are reviewed. It includes instruction on the entire process, from when the NTSB receives the initial notification that an accident has occurred through the issuance of the final report and determination of the accident's probable cause, information on how to document and protect and accident scene, instruction on what questions to ask accident witnesses to elicit the most accurate information, the difference between structural failures that my have caused the accident and structural damage that occurred as a result of the accident.

Prerequisites: None
And one of the following: None

76102 (NTSB) Aircraft Performance

Training Manager: ASH-20 Course Length: 40 hour(s)

Students will learn how to determine the position and orientation of an aircraft throughout an accident sequence, calculate the forces and moments that produce these states, and compare the airplane dynamics and response to design values. The course covers analysis of radar, DFDR, and accident scene data. The material is structured around the use of the Dante computer program, developed at the NTSB to solve aircraft performance problems. Students will participate in exercises in class using the Dante program on their notebook computers. The Dante program and documentation are included in the course materials. Students may keep the installation and data files developed during the course.

Prerequisites: None
And one of the following: None

76103 (NTSB) Survival Factors in Aviation Accidents

Training Manager: ASH-20 Course Length: 32 hour(s)

This intensive, hands-on course provides aviation accident investigators and safety professionals with an understanding of how occupant survivability becomes a major focus in accident investigations. The material will be presented in seminar and workshop format by staff from NTSB, NASA-Langley Research Center, and the FAA's Civil Aerospace Medical Institute. After completing this course, participants will be able to document survival factors in an aviation accident or incident, effectively represent their organization as a member of an NTSB survival factors group, understand factors affecting occupant survivability, and acquire updated information on NASA and FAA crashworthiness programs.

Prerequisites: None
And one of the following: None

76104 (NTSB) Overview of the Marine Accident Investigation Process

Training Manager: ASH-20 Course Length: 12 hour(s)

This course w ill help you to understand how the National Transportation Safety Noard (NTSB) investigates marine accidents and w hat it expects of parties to the investigation. It w ill improve the preparedness of your response team and reduce confusion during an already stressful time, if your team understands the NTSB, its processess, and w hat is expected of them on the scene. Participants gain a better understanding of the operational demands of a marine disaster by learning from situations encountered by NTSB responders, how the media covers an accident, and the role of the NTSB's Office of Public Relations.

Prerequisites: None
And one of the following: None

76204 Protecting Secret/Confidential Documents (Self-Study)

Training Manager: ASH-20 Course Length: 25 hour(s)

This course is a follow -on to course 76203 and is for individuals authorized to safeguard classified documents. Course topics include storage, receipt, generation, reproduction, transmission, and disposition of documents.

Prerequisites: 76203
And one of the following: None

78103 (USDA) Basic Suitability Adjudication

Training Manager: ASH-20 Course Length: 24 hour(s)

This course provides a basic foundation on the government statutes, regulatory requirements, and the criteria and procedures used to make suitability determinations for positions in the federal government. It addresses Office of Personnel Management's (OPM) methodology for designating position risk. The associated investigation requirements are also included.

Prerequisites: None
And one of the following: None

78104 Advanced Personnel Security Adjudication

Training Manager: ASH-20 Course Length: 24 hour(s)

This course provides advanced training for personnel security adjudicators on the skills required to make final adjudicative determinations for security eligibility and to administer due process procedures w hen necessary. Students w ill be review ing case studies, w hich include complex multiple and sensitive case issues. Students make adjudicative determinations for initial, post-adjudicative, and reconsideration review situations. Course prerequisites: 78103 and 70109

Prerequisites: None
And one of the following: 78103, 70109

78500 Professional Development/General Training

Training Manager: ASH-20 Course Length: 32 hour(s)

This course provides opportunities for professional development to all employees in their respective job functional area. Tuition for accredited professional associations and educational institutions are allocated under this generic course.

Prerequisites: None
And one of the following: None

88000 C1 - Basic Communications Equipment

Training Manager: AMA-410 Course Length: 2 hour(s)

Bypass for 47504. Open book. Study reference is manual 47504. The exam covers audio principles, control systems, transmitters, and receivers.

Prerequisites: None
And one of the following: None

88007 Recorders (C2)

Training Manager: AMA-410 Course Length: 1 hour(s)

Bypass exam for 44006. Open book. Study References are Manufacturer's Instruction Manual and Manual 44006. The exam covers tape-drive systems, record and reproduce head theory, general recording theory, magnetic erasure, magnetic bias, and magnetic theory.

Prerequisites: None
And one of the following: None

88009 Runway Visual Value (RVV)

Training Manager: AMA-420 Course Length: 1 hour(s)

Bypass for 40213. Open book. Study reference is manual 40252-1. The exam covers transmissometer projector, receiver amplifier, and graphic recorder.

Prerequisites: None
And one of the following: None

88011 UVDF (Doppler DF) (C6)

Training Manager: AMA-410 Course Length: 3 hour(s)

The exam covers vacuum tube concepts, receiver fundamentals, antenna principles, indicator principles, dopler theory, and binary counter concepts.

Prerequisites: None
And one of the following: None

88014 RVR (SSR, FA-7861) (C8)

Training Manager: AMA-420 Course Length: 2 hour(s)

The exam covers signal data converter and indicator. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88016 BUEC Remote Site (C10)

Training Manager: AMA-410 Course Length: 3 hour(s)

The exam covers control circuits and BUEC transceivers. This exam is for mailout or on-line use only.

Prerequisites: None
And one of the following: None

88017 BUEC - ARTCC (C11)

Training Manager: AMA-410 Course Length: 2 hour(s)

Bypass for course 47501. Closed book. Study References are manufacturer's instruction manual, manual 47501, and manual 47500. The exam covers remote control group, tone generator, remote link tester, and audio transfer.

Prerequisites: 88016
And one of the following: None

88022 Tasker 500 RVR (Computer Only) (C15A)

Training Manager: AMA-420 Course Length: 3 hour(s)

The exam covers logic circuits, signal data converter, alarm circuits, and pow er supplies. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88023 Low-Level Wind Shear Alert System (C16)

Training Manager: AMA-420 Course Length: 2 hour(s)

The exam covers general system concepts, central station, remote station, tow er display, and schematic reading. This exam is available mailout and online.

Prerequisites: None
And one of the following: None

88024 VHF Direction Finder FA-9964 (C17)

Training Manager: AMA-410 Course Length: 2 hour(s)

Bypass for course 40257. Open book. Study reference is manual 40257. The exam covers system gain, system orientation, remote unit and operation, local unit, antenna, and built-in test equipment (BITE).

Prerequisites: None
And one of the following: None

88025 Magnasync/Moviola High Capacity Voice Recorder

Training Manager: AMA-410 Course Length: 2 hour(s)

Bypass for 43010. Open book. Study References are specialist operation and maintenance instruction manuals and specialist master synchronizer operation instruction manual. The exam covers the theory of operation and preventive and corrective maintenance procedures of 60-channel Magnasync high capacity voice recorder.

Prerequisites: None
And one of the following: None

88026 Low-Level Wind Shear Alert System Climatronics

Training Manager: AMA-420 Course Length: 2 hour(s)

Bypass for 47711 (FA 10239 System). Closed book. Study references re 6560.13B, Section II, Weather Equipment Maintenance and 6560.16A, Manufacturer Instruction Mook (MIB). The exam covers all phases of the LLWAS System including central control unit, remote station, local controller display, centerfield w ind display, anemometer.

Prerequisites: None
And one of the following: None

88032 Statistical Multiplexers

Training Manager: AMA-470 Course Length: 2 hour(s)

This exam covers the theory of operation and preventative and corrective maintenance procedures for the DCX-808.

Prerequisites: None
And one of the following: None

88033 Direct Access Radar Channel (DARC) Operations

Training Manager: AMA-470 Course Length: 2 hour(s)

This exam covers an overview of DARC.

Prerequisites: None
And one of the following: None

88034 RCL System Terminal and Repeater Common Equipment (C27)

Training Manager: AMA-440 Course Length: 5 hour(s)

This exam covers the concepts, operation, and maintenance of the electronic assemblies and subassemblies that are utilized at both RCL terminal and repeater facilities, to include an introduction/overview of the RCL system, the AT&T Lineage 2000 power plant, the Granger Direct-To-Line (DTL) 7300 Multiplexing System, the AT&T FR8 Microwave Radio System, the RCL orderwire/ANMS service channel equipment, and the AT&T Acorn network control system satellite telemetry unit.

Prerequisites: None
And one of the following: None

88035 ICSS Type II Litton (C28)

Training Manager: AMA-410 Course Length: 4 hour(s)

This concepts exam covers the theory of operation of all major subsystems of the Litton Type II ICSS. Subject areas covered by the exam include terminology/calling procedures, position modules, module controller, TDM concepts, common controller, position controller (POSCO), radio controller (RADCO), RTQC/FDE/MUX/MRT, Telco terminology, trunk controller (TRUCO), and monitor controller.

Prerequisites: None
And one of the following: None

88038 ICSS Model 3080 RDVS (C31)

Training Manager: AMA-410 Course Length: 2 hour(s)

This concepts exam covers the theory of operation of the Litton Rapid Deployment Voice Switch (RDVS). Subject areas covered by the exam include terminology familiarization and calling procedures, position modules, module control unit (MCU), power distribution, common elements, position control unit (PCU), radio control unit (RCU), Telco terminology, trunk control unit (TCU), and QCT/CCT.

Prerequisites: None
And one of the following: None

88040 VSCS Hardware Test 1 (C33A)

Training Manager: AMA-410 Course Length: 8 hour(s)

This is the first of three exams that cover the Voice Switching and Control Subsystem (VSCS) Hardware, Type FA-10500. Satisfactory completion of all three exams is required to bypass course 40272 or 48171. Subjects covered in this exam include system architecture, maintenance position equipment subsystem operation, and control subsystem DMC operation and maintenance.

Prerequisites: 47012
And one of the following: 44013, 44020

88041 VSCS Hardware Test 2 (C33B)

Training Manager: AMA-410 Course Length: 8 hour(s)

This is the second of three exams that cover the Voice Switching and Control Subsystem (VSCS) Hardware, Type FA-10500. Satisfactory completion of all three exams is required to bypass course 40272 or 48171. Subjects covered in this exam include switching subsystem architecture, switching subsystem preventive and corrective maintenance, and system interconnect subsystem configuration and maintenance.

Prerequisites: 47012
And one of the following: 44013, 44020

88042 VSCS Hardware Test 3 (C33C)

Training Manager: AMA-410 Course Length: 8 hour(s)

This is the third of three exams that cover Voice Switching and Control Subsystem Hardware, Type FA-10500. Satisfactory completion of all three exams is required to bypass course 40272 or 48171. Subjects covered in this exam include VCET hardware, VSCS operational procedures, system-level troubleshooting, and Tandem.

Prerequisites: 47012
And one of the following: 44013, 44020

88043 Radio Control Equipment (C34)

Training Manager: AMA-410 Course Length: 3 hour(s)

This exam covers the radio control equipment (RCE). The exam covers RCE functions, operational modes, slot/node addressing, drop/monitor access jacks, system interface cabling, I/O mapping, MDT menu items and passwords, run-time database correlation, query messages, configuration and firmware file management, user interface operations, troubleshooting, and Centralized Maintenance System (CMS) overview .

Prerequisites: None
And one of the following: None

88044 VSCS Overview Test 1 (C35a)

Training Manager: AMA-410 Course Length: 4 hour(s)

This exam, w ith test 2, tests theory of operations on the VSCS Communications Equipment Type FA-10500. Subject areas include electrostatic discharge, VSCS System manual, VSCS System architecture, computer softw are configuration items, maintenance concepts and w ork station operation, monitor system status, fault isolation, reconfiguration, voice channel testing, tape management, and user interface operations. See AF ECC Catalog for study references. CBI terminal w ith VSCS electro-static discharge (ESD) coursew are is available. Both exams must be completed satisfactorily to be equivalent to course 40289.

Prerequisites: 47012
And one of the following: 44013, 44020

88045 VSCS Overview Test 2 (C35b)

Training Manager: AMA-410 Course Length: 4 hour(s)

This exam, w ith test 1, tests theory of operations on the VSCS Communications Equipment, Type FA-10500. Subject areas include user interface operations; A/G operations; G/G operations; VDM utilities screen and functions; map build design and database theory; VSCS System reconfiguration; supervisory recorder operations; general operational procedures, equipment controls and indicators; system startup and shutdow n; VSCS system-level troubleshooting concepts; and monitor system status. See AF ECC Catalog for study references. CBI terminal w ith VSCS electro-static discharge (ESD) coursew are is available. Both exams must be completed satisfactorily to be eqivalent to course 40289.

Prerequisites: 47012
And one of the following: 44013, 44020

88046 VSCS Site Software Maintenance Test 1 (C36A)

Training Manager: AMA-410 Course Length: 4 hour(s)

This exam, w ith tests 2 and 3, tests theory of operation on the Voice Sw itching and Control System (VSCS) site softw are. Subject areas include physical and functional characteristics and subsystem interrelationships, softw are architecture, control subsystem, various Tandem capabilities and functions, Guardian 90 Operations, Tandem CLX computer operations and concepts, and computer system problem resolution methodologies. See AF ECC Catalog for study references. CBI terminal w ith VSCS electro-static discharge (ESD) coursew are is required. All three exams must be completed satisfactorily to be equivalent to coures 40273.

Prerequisites: 47012
And one of the following: 44013, 44020

88047 VSCS Site-Software Maintenance Test 2 (C36B)

Training Manager: AMA-410 Course Length: 4 hour(s)

This exam, w ith tests 1 and 3, test theory of operations on the VSCS site softw are. Subject areas include TMF hardw are and components; system management functions; Tandem hardw are/softw are architecture and Tandem system management functions; common operations tasks; tack features; softw are decomposition; on-line processing; CSCI-6 components; subvolumes and files; TMF database protection; Tandem file and disk management functions; SysGen requirements and procedures; TACL directories and segments. See AF ECC Catalog for study references. CBI terminal w ith VSCS electro-static discharge (ESD) coursew are is required. All three exams must be completed satisfactorily to be equivalent to 40273.

Prerequisites: 47012
And one of the following: 44013, 44020

88048 VSCS Site Software Maintenance Test 3 (C36C)

Training Manager: AMA-410 Course Length: 4 hour(s)

This exam, w ith tests 1 and 2, test the theory of operations on the VSCS site softw are. Subject areas include site and depot-level maintenance actions; voice channel testing; logon/logoff operations; various status screens; system event messages/fault characteristics; Le Mode transitions; A/G sw itchover; fault isolation and reconfiguration; tape maintenance functions; position functionality; troubleshooting procedures; facility reconfiguration; system config database; system startup/shutdow n; and softw are processes/exceptions. See AF ECC Catalog for study references. CBI terminal w ith VSCS electro-static discharge coursew are required. All three exams must be completed satisfactorily to be equivalent to 40273.

Prerequisites: 44013, 47012
And one of the following: None

88049 Enhanced Tower Voice Switch (ETVS) (C37)

Training Manager: AMA-410 Course Length: 3 hour(s)

This exam covers the Enhanced Tow er Voice Sw itch (ETVS) System to include position modules, position operation, system busses, block diagrams, central rack cards, pow er system, configuration and control system, SCT operation, system troubleshooting, and card alignment.

Prerequisites: None
And one of the following: None

88050 Nexcom Multimode Digital Radio (MDR) Analog (C38)

Training Manager: AMA-410 Course Length: 4 hour(s)

The exam questions are based on the enabling objectives of the MDR CBI course design guide (CDG). It is a self-study of the MDR maintenance data terminal (MDT) software operation. A number 2 pencil for marking the answer selection is required, if the test is administered via written material.

Prerequisites: None
And one of the following: None

88051 CM-300 Series UHF Radio System (C39)

Training Manager: AMA-410 Course Length: 4 hour(s)

The exam questions are based on the enabling objective of the CM-300 Series UHF Radio System CBI course design guide (CDG). There are three versions of this exam with 38 questions in each version. The exam is open book.

Prerequisites: None
And one of the following: None

88100 Electrical Principles (E1)

Training Manager: AMA-430 Course Length: 3 hour(s)

The exam covers magnetic theory; current, voltage, and power; resistance; AC; rectifier, battery and generator; transformers; relays; P factor and phase; and national electric code. This exam is for mailout only.

Prerequisites: None
And one of the following: None

88104 ALS (E4)

Training Manager: AMA-430 Course Length: 4 hour(s)

The exam covers visual landing aids systems. It is subdivided as follows: general theory, 20 questions; Hevi duty also substation, 10 questions; Westinghouse ALS substation, 10 questions; and GE ALS substation, 10 questions. This exam is for mailout or on-line use.

Prerequisites: 88100, 88103
And one of the following: None

88105 VASI (E5)

Training Manager: AMA-430 Course Length: 4 hour(s)

The exam covers maintenance and installation of VASI Systems FA-I01-A, FA-8148, FA-9330, FA-9458, FA-9458A, and FA-9458B. This exam is for mailout or on-line use.

Prerequisites: 88100
And one of the following: None

88107 MALSR/RMS and REIL/RMS (E11)

Training Manager: AMA-430 Course Length: 3 hour(s)

This exam tests theory of operations of the MALSR with remote monitoring subsystem (RMS)(MALSR-AVW, Type FA-10290) and the REIL with RMS (REIL-DME, Type FA-10264). Subject areas include FAA Order 6850.5C, REIL components (individual control cabinet, control cabinet monitor, RMS, intensity control, and trigger generation) and MALSR components (individual control cabinet, intensity control, trigger generation, and RMS).

Prerequisites: None
And one of the following: 44111, 47600

88108 Exide Uninterruptible Power Supply (UPS) (E8)

Training Manager: AMA-430 Course Length: 2 hour(s)

The exam covers theory of the Exide UPS inverter, rectifier/charger, static switch, battery bank, interface panels, logic boards, and operating procedures. This exam is online only.

Prerequisites: 88100
And one of the following: None

88112 Dual Mode ALSF-II (Godfrey) (E10)

Training Manager: AMA-430 Course Length: 4 hour(s)

The exam covers concepts of dual mode approach light systems, equipment installation, adjustment procedures, maintenance practices, system circuit analysis, the high voltage input and output cabinets, constant current regulators, system controls, monitors, and the sequenced flashing lights.

Prerequisites: None
And one of the following: None

88113 Kohler Power Systems, Text 1 (E12a)

Training Manager: AMA-430 Course Length: 2 hour(s)

This exam, with test 2, tests theory of operation on the Kohler engine generators, controllers and accessories.

Prerequisites: 40127
And one of the following: 47600, 44111

88114 Kohler Power Systems, Test 2 (E12B)

Training Manager: AMA-430 Course Length: 2 hour(s)

This exam, with test 1, tests theory of operation on the Kohler engine generators, controllers and accessories.

Prerequisites: **40127**
And one of the following: **47600, 44111**

88115 Environmental Electrical Concepts (E13)

Training Manager: AMA-430 Course Length: 3 hour(s)

This exam covers safety, concepts of electricity/magnetism, batteries, electrical conductors, alternating current and vector analysis, basic electrical indicating instruments, transformers, generators, motors, control devices and circuit diagrams, and magnetic amplifiers.

Prerequisites: **None**
And one of the following: **None**

88117 ACEPS Standby Power and Distribution System (E15)

Training Manager: AMA-430 Course Length: 8 hour(s)

This exam covers the ACEPS equipment in the areas of engine generators, control panels, GE/Basler/Woodw ard control devices, circuit breakers, sw itchgear, and areas involved w ith PCMS and 48 VDC control.

Prerequisites: **45510, 47112**
And one of the following: **None**

88118 ACEPS Critical Distribution System (E16)

Training Manager: AMA-430 Course Length: 6 hour(s)

This exam covers the ACEPS equipment in the areas of Exide UPM's, Bypass tTransfer and Control System (BTCS), UPS supply BUS, critical BUS, CPC's and batteries.

Prerequisites: **45510, 47112**
And one of the following: **None**

88208 Markers/Homers (N4)

Training Manager: AMA-420 Course Length: 1 hour(s)

The exam covers transmission line concepts, coupled circuit theory, transmitter principles, and antenna and radiation pattern concepts. This exam is for mailout or on-line use.

Prerequisites: **None**
And one of the following: **None**

88223 ILS, AIL Mark IB Marker Beacon Station FA-8603 (N16)

Training Manager: AMA-420 Course Length: 4 hour(s)

The exam covers antennas, transmitters, regulator-keyer, audio-monitor, pow er supply, auto-reset board, and maintenance order.

Prerequisites: **88220**
And one of the following: **None**

88226 DME, Butler 1020 and Wilcox 595/596 (N19)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam covers the theory of operation of Butler (Wilcox) DME. It also covers adjustment of DME w ith correct standard and tolerance settings. This exam is for mailout or on-line use.

Prerequisites: **None**
And one of the following: **None**

88227 ILS, Capture Effect GS (N20)

Training Manager: AMA-420 Course Length: 2 hour(s)

The exam covers capture effect theory, clearance transmitter, radiation patterns, amplitude phase and control unit. Proximity error, and monitoring. This exam is for mailout or on-line use.

Prerequisites: **None**
And one of the following: **88223, 88222, 88224, 88221**

88234 ILS, Mark 1D/E/F Localizer (N27)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam covers ILS LOC Systems. Subjects include RF generation, transmission and radiation, LOC-Periodic Antenna System, monitoring pow er supply, control unit, and flight inspection. This exam is for mailout or on-line use.

Prerequisites: **88220**
And one of the following: **None**

88235 ILS, Mark 1D/E/F Null Ref GS (N28)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam covers null reference glideslope ICS systems. Subjects include RF generation, transmission and radiation, NRGS Antenna System, monitoring, pow er supply control unit, and flight inspection. This exam is for mailout or on-line use.

Prerequisites: **88220**
And one of the following: **None**

88236 ILS, Mark 1D MKR Beacon (N29)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam covers the mark 1D Marker Beacon System. Subjects include pow er supply, transmitter, antenna/radiation patterns, monitor/control, alignment, flight inspection, and troubleshooting. This exam is for mailout or on-line use.

Prerequisites: 88000
And one of the following: None

88237 ILS, Mark 1D Remote Monitoring (N30)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam covers the Mark 1D remote monitor receiver. Subjects include RF/IF amplifiers, audio circuits, alarm detector, aural/visual alarm indications, alignment, and troubleshooting. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88238 DME Cardion (FA-9639) (N31)

Training Manager: AMA-420 Course Length: 2 hour(s)

The exam covers system concepts, logic symbols, receiver 1A1A13, exciter, decoder, 1A1A7, encoder 1A1A6, pulse shaper 1A1AB, and transmitter 1A1A15. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88240 ILS Sideband Reference Glideslope (Tube Type)(N33)

Training Manager: AMA-420 Course Length: 2 hour(s)

The exam covers rf patterns, RF phasing, monitoring, modulator, and dd. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88242 VORTAC FA-9996 Second Generation (N35)

Training Manager: AMA-420 Course Length: 6 hour(s)

The exam covers solid state VOR and TACAN; battery charger pow er supply; facility central processing unit; controlling, certifying, and fault isolation of VORTAC from IOT remote station; and RMC-150 and TRA-2 antenna speed. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88243 DME Cardion FA-9783 (N36)

Training Manager: AMA-420 Course Length: 3 hour(s)

The exam covers theory of operation of the transponder, monitor, control and transfer assembly, and remote monitor. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88247 Double Side-Band Doppler VOR (N40)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam tests know ledge of doppler VOR radiation patterns, modulation percentage, and equipment operation. Subjects include vector analysis of radiation patterns, evaluation of block diagrams, and circuit diagrams. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88248 Microwave Landing System (MLS) Concepts (N41)

Training Manager: AMA-420 Course Length: 1 hour(s)

The exam covers microw ave channel allocations, signal format, angle function, phase synchronization, scanning beam angle antennas, basic/auxiliary data, sector coverage, and monitoring system. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88253 Low Power TACAN Antenna (LPTA) (N51)

Training Manager: AMA-420 Course Length: 2 hour(s)

This exam tests theory of operation of the Low Pow er TACAN Antenna System, Type FA-10369. Subjects include TACAN azimuth review , LPTA assembly and system characteristics, subassemblies controls and indicators, pow er up/pow er dow n and vibration, antenna on control logic, pow er supplies distribution and control, motor drive and speed control, north alignment, course rotation, 15/135/1350 Hz trigger generation, bit circuits and indicators, troubleshooting, RF pow er distribution and radiation pattern, and high/low band columns.

Prerequisites: 47701
And one of the following: None

88254 VHF Omni-Range Test Facility (N47)

Training Manager: AMA-420 Course Length: 4 hour(s)

This exam tests know ledge of the VHF omni-range test facility. Subjects include VOT System general theory, unit operation, LRU schematic level operation, and procedures required to maintain, troubleshoot, and repair the VOT System to the LRU replacement level. TI Manual 6810.1, Volumes 1 and 2, are required to take the exam.

Prerequisites: None
And one of the following: None

88255 Mark 20 Instrument Landing System (ILS) (N50)

Training Manager: AMA-420 Course Length: 8 hour(s)

This theory of operations exam covers the Wilcox Mark 20 ILS and consists of system, portable ILS receiver, maintenance data terminal, marker beacon, localizer, Farfield monitor, glideslope, remote indication and control equipment, and link control unit (LCU).

Prerequisites: None
And one of the following: 40233, 40283

88256 DME Concepts (N49)

Training Manager: AMA-420 Course Length: 2 hour(s)

This exam covers DME principles, including transponder, DME terminology and nomenclature, and DME system functions, including video processor, decoder, encoder, signal generator, and monitors. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88257 ILS Theory of Operations (N52)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam test theory of operations for instrument landing systems (ILS). Subjects include ILS localizer, ILS glideslope, marker beacon, ILS system, amplitude modulation, space modulation, difference in depth of modulation, radiation patterns, ILS w aveforms, and transmission lines.

Prerequisites: None
And one of the following: None

88258 Navigation Systems Concepts (N53)

Training Manager: AMA-420 Course Length: 6 hour(s)

This exam tests the concepts and principles relating to the operation of ground-based VOR, DME, and TACAN transmitters, receivers, and monitoring systems. The exam includes calculations involving transmission lines, antenna radiation patterns, modulation, frequency, pow er, gain, duty cycle, transformers, range measurements, and bearing, as w ell as VOR bridge adjustments and course error graphing and analysis. VOR ground check graphs and four formula sheets are required (obtain these from examination control center).

Prerequisites: None
And one of the following: None

88259 VOR Principles (N54)

Training Manager: AMA-420 Course Length: 4 hour(s)

This exam tests the concepts and principles relating to the operation of ground-based VOR transmitters and monitoring systems. The exam includes calculations involving transmission lines, antenna radiation patterns, modulation, frequency, pow er, and bearing, as w ell as VOR bridge adjustments and course error graphing and analysis. VOR ground check graphs and three formula sheets are required (obtain these from the Examination Control Center).

Prerequisites: None
And one of the following: None

88260 TACAN Principles (N55)

Training Manager: AMA-420 Course Length: 4 hour(s)

This exam tests the concepts and principles relating to the operation of ground-based TACAN transmitters and monitoring systems. The exam includes calculations involving transmission lines, antenna radiation patterns, modulation, frequency, pow er, gain, duty cycle, transformers, range measurements, and bearing. Three formula sheets are required (obtain these from the Examination Control Center).

Prerequisites: None
And one of the following: None

88261 LLWAS-RS, Type FA-14100 (N56)

Training Manager: AMA-420 Course Length: 2 hour(s)

This exam covers the LLWAS-RS in the areas of system concepts, major and subassembly identification, communication functions, system displays, functional characteristics, signal flow , softw are applications, operation checks, removal and replacement procedures, preventive maintenance, and system restoration.

Prerequisites: 47504
And one of the following: 44013, 44020

88317 ASR-7 (R13)

Training Manager: AMA-450 Course Length: 3 hour(s)

The exam covers trigger timing, transmitter system, receiver, digital processor, MTI, video processing, azimuth system, and control circuits. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: 40392, 42058, 88346, 88360

88319 ATCBI-4 (R15)

Training Manager: AMA-440 Course Length: 4 hour(s)

The exam covers system-operation concepts, test set, pulse-mode generator concepts, control concepts, pulse-mode generator fault analysis, control circuits, TX/RX, monitor, digital defruiter fault analysis, and digital defruiter concepts.

Prerequisites: None
And one of the following: 40392, 42058, 88346, 88360

88324 Airport Surveillance Radar (ASR-9) Hardware (R20)

Training Manager: AMA-450 Course Length: 4 hour(s)

Bypass for 40337. The exam covers introduction, RMS/system control, synchronizer, transmitter, receiver, post processor, SCIP, and modems/antennas. Reference material required for this examination includes: 1) TI 6310.24, ASR-9 System; 2) TI 6310.25, Transmitter; 3) TI 6310.26, Target and 2LVL WX Receiver Processor; 4) TI 6310.27, Remote Monitoring Subsystem;' 5) TI 6310.28, 6LVL WX receiver Processor SCIP; 6) TI 6310.29, Maintenance PPI; 7) TI 6310.30, Antenna System; and 8) TI 6310.31, Remote/Dual Remote SCIP.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

88331 Digital Defruiter (R27)

Training Manager: AMA-450 Course Length: 4 hour(s)

The exam covers the operation of the MX-8757 Digital Defruiter. this exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88333 ARSR-1/2 (R29)

Training Manager: AMA-440 Course Length: 4 hour(s)

The exam covers the fundamental concepts required for the operation, maintenance, and repair of the ARSR 1/2 radar system. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88335 ATCBI-5 (R31)

Training Manager: AMA-440 Course Length: 3 hour(s)

The exam covers the operation of the ATCBI-5 Beacon System. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88336 ASR-8 (R32)

Training Manager: AMA-450 Course Length: 4 hour(s)

The exam covers the operation of the ASR-8 terminal radar. This exam is for mailout or online use.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

88345 DBRITE System (R41)

Training Manager: AMA-460 Course Length: 4 hour(s)

This exam covers theory on digital scan converter, pow er supply and junction box, display and inter-related control functions. Study references: 1) TI 6410.18, Operation and Maintenance Instructions, DBRITE System; 2) TI 6410.21, Operation and Maintenance Instructions, DBRITE Display.

Prerequisites: None
And one of the following: None

88349 ASR-9 Remote SCIP (R45)

Training Manager: AMA-450 Course Length: 4 hour(s)

This examination covers the theory on ASR-9 remote surveillance communications interface processor (SCIP) and ASR-9 modems. Study references are TI 6310.24, ASR-9 System, and TI 6310.31, ASR-9 remote/dual remote SCIP.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

88350 Mode-S System (R46)

Training Manager: AMA-450 Course Length: 4 hour(s)

This test covers all phases of the Mode-S system including terminal usage, Mode-S/ATCRBS interrogations, Mode-S/ATCRBS replies,

transmitter, receiver, DPS, signal processor, toy clock, CPME, different modes of operation, RTADS, PLOTASR, TDR data reduction tools, system status, and system troubleshooting.

Prerequisites: 44020
And one of the following: 42058, 40392, 88346, 88360

88353 Solid State Radar Beacon Decoder (SSRBD) (R49)

Training Manager: AMA-440 Course Length: 2 hour(s)

This exam covers the installation, evaluation, and maintenance of the SSRBD equipment. Subject areas include system concepts, control circuits, pow er supplies, and line replaceable units (LRU).

Prerequisites: None
And one of the following: None

88357 ARSR 1/2 With SSR/DMTI Type 1 (R53)

Training Manager: AMA-440 Course Length: 4 hour(s)

This exam covers the fundamental concepts required for the operation, maintenance, and performance of the diagnostic procedures of the ARSR 1/2 Radar System w ith SSR/DMTI modification.

Prerequisites: None
And one of the following: 40392, 42058, 88360

88358 ARSR-3 With 3LW and RMM (R54)

Training Manager: AMA-440 Course Length: 8 hour(s)

This concepts exam covers introduction to the Air Route Surveillance Radar (ARSR)-3 System, maintenance display, Planar Array Test Set, transmitter, receiver, control panels, digital target extraction, output processor, receiver interface control, built-in test equipment, and remote maintenance monitoring.

Prerequisites: 42058
And one of the following: 40339, 47706

88359 Radio Communications Link System Terminal Equipment (R55)

Training Manager: AMA-440 Course Length: 40 hour(s)

This exam covers concepts, operation and maintenance of electronic assemblies and subassemblies that are utilized only at RCL system air route traffic control center (ARTCC) and junction area control facility (ACF) high-density terminal facilities, to include overview of the RCL ARTCC/ACF high-density terminal equipment, the Coastcom channel bank, the Fairchild M505M microw ave modem, engineering change proposal (ECP) 027 support equipment, and the AT&T Acorn Netw ork Control System.

Prerequisites: None
And one of the following: None

88360 Modern Radar Concepts (R56)

Training Manager: AMA-450 Course Length: 3 hour(s)

This exam tests the concepts and principles of modern radar. Subjects include primary radar, transmission lines and w aveguide components, antenna systems, factors affecting performance, modern synchronizer functions, high voltage modulators, high pow er RF output devices, transmitter troubleshooting techniques, radar receivers, phase detection processing, interfacing type and methods, display systems, and beacon systems.

Prerequisites: None
And one of the following: None

88361 Full STARS Maintenance (R57)

Training Manager: AMA-490 Course Length: 2 hour(s)

This exam covers the STARS Automation System. Subject areas include local area netw ork maintenance, radar data interface and display, UNIX familiarization, SOS operation, flight data interface and display, continuous data recording, system timing, Sony monitor, system administration and security, softw are management, and fault isolation and repair.

Prerequisites: 88440, 88441
And one of the following: 12751, 40423

88362 ASDE-X (R58)

Training Manager: AMA-440 Course Length: 4 hour(s)

This is the bypass exam for the ASDE-X equipment course. This exam tests the know ledge of the ASDE-X principles and the theory of operations; sequential operation of controls during startup, normal operations, shutdow n, and abnormal or fault conditions; analysis of system abnormalities and determination of corrective action required; safety precautions to be observed; use of special tools and test equipment; criteria for removal, disassembly, inspection, evaluation, and repair or replacement of system components; testing requirements and procedures; sequence and standards for reassembly and checkout; and know ledge and use of technical documentation.

Prerequisites: None
And one of the following: None

88363 PRM TRACON (R59)

Training Manager: AMA-450 Course Length: 3 hour(s)

The bypass exam is for technicians and engineers who maintain the precision runway monitor (PRM) TRACON equipment. This bypass exam covers the indicator portion of the PRM as well as the maintenance of PRM hardware.

Prerequisites: None
And one of the following: None

88364 STARS System Specialist (R60)

Training Manager: AMA-490 Course Length: 2 hour(s)

This exams tests the STARS system specialist on the STARS System and security administration. Subjects include duties and responsibilities, Solaris, VI editor, networking, file systems and management, disk structure and partitions, startup and shutdown, backup and restore, crash management, security policy and administration, auditing basics, auditing setup, and audit trail analysis.

Prerequisites: 42071
And one of the following: None

88365 Solid State Video Mapper (SSVM) (R61)

Training Manager: AMA-450 Course Length: 2 hour(s)

This exam covers the operation of the FA-8970 types of Solid State Video Mapper (SSVM). This exam is for mailout or online use.

Prerequisites: None
And one of the following: 42058, 40392, 88346, 88360

88366 FPS Series Radar (R62)

Training Manager: AMA-440 Course Length: 4 hour(s)

This bypass exam covers the fundamental concepts required for operation, maintenance, and performance of the dignostic procedures of the FPS series radar, both the transmitter and Solid State Receiver/Digital Moving Target Indicator (SSR/DMTI) modifiction.

Prerequisites: None
And one of the following: 40392, 42058

88401 Coded Time Source (D2)

Training Manager: AMA-480 Course Length: 2 hour(s)

This exam covers analysis and alignment of the coded time source system. Included are system wide logic level determination as well as functional analysis of the various sections of the overall coded time source system. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88414 Sensor RCVR and Processor (SRAP) (D15)

Training Manager: AMA-460 Course Length: 3 hour(s)

The exam covers micro-controller, radar extractor, BDAS, diagnostics, and operational firmware. This exam is mailout only.

Prerequisites: None
And one of the following: None

88417 ARTS IIIA Data Entry Display System (DEDS) (D18)

Training Manager: AMA-460 Course Length: 3 hour(s)

The exam covers the theory of operation of the data entry and display subsystem (DEDS), and the theory of operation of the multiplexed display buffer memory (MDBM), as well as the diagnostic program for MDBM/DEDS. This exam is for mailout or on-line use.

Prerequisites: None
And one of the following: None

88420 Peripheral Adapter Module Replacement Item (PAMRI)

Training Manager: AMA-470 Course Length: 2 hour(s)

This exam covers operational aspects of the PAMRI hardware and software configurations, operational requirements, and parameters; the HOST computer; PAMRI systems and channel interfaces; and PAMRI system data analysis, problem determination, and resolution. Study References: PAMRI hardware technical manuals volumes I, II, and III, PAMRI RAPPI operators' manual PU02 8/15/91, and PAMRI remote RAPPI operators' manual PU02 11/30/92.

Prerequisites: None
And one of the following: None

88421 Computer Update Equipment (CUE) (D22)

Training Manager: AMA-470 Course Length: 0 hour(s)

Prerequisites: None
And one of the following: None

88428 Dictaphone Model 5000 (D29)

Training Manager: AMA-410 Course Length: 2 hour(s)

The exam covers system components and configurations, operating procedures, theory of operation, servicing-alignment/calibration, and troubleshooting. This exam is for mailout or online use.

Prerequisites: None
And one of the following: None

88430 Host Computer System (HCS) Enhanced Computer Opr Trng

Training Manager: AMA-470 Course Length: 5 hour(s)

This exam covers problem determination and isolation of hardw are and softw are errors. Hardw are includes processor subsystem and peripheral devices. Softw are programs covered are NAS, VM, and MVS. Emphasis is on reconfiguration of resources and recovery from errors and problems, to ensure NAS integrity. Study References are: GC38-0035; GC38-0036; B095-II, B095-V; SC19-6225; SC19-6227; SC19-6226; GC28-1378; GC28-0984; GC281354; GC28-1374; GC28-1375, and SC23-0048. For a complete description of study references, see AF ECC Catalog in CYBIS.

Prerequisites: None
And one of the following: None

88431 Radar Data Acquisition Subsystem

Training Manager: AMA-480 Course Length: 2 hour(s)

This exam covers the fundamental concepts of primary and secondary radar systems, digitizing equipment, IMCS functions relating to radar system monitoring by NAS/NOM specialists at an ARTCC. Other areas include radar-related message processing by the HOST and DARC as w ell as radar-related message data flow at the ARTCC. Concepts and interpretation of RDAS analysis tools available to the NAS/NOMS are also covered. Study References: all manuals for the resident Course 43009, RDAS plus: RDAS--General Information and Documentation Guide, FAA-4006-2H; NAS-MD-320, Multiple Radar Data Processing; and NAS-MD-322, Real Time Quality Control of Radar Data.

Prerequisites: None
And one of the following: None

88434 DSR Hardware Test 1 (D35A)

Training Manager: AMA-470 Course Length: 6 hour(s)

This exam tests know ledge of the IBM RISC 6000 Display System Replacement (DSR) Hardw are System for ARTCC's, including theory, error indications, troubleshooting, testing, and cabling.

Prerequisites: None
And one of the following: 44013, 44020

88435 DSR Hardware Test 2 (D35B)

Training Manager: AMA-470 Course Length: 6 hour(s)

This exam tests know ledge of the IBM RISC 6000 Display System Replacement (DSR) Hardw are System for ARTCC's, including theory, error indications, troubleshooting, testing, and cabling.

Prerequisites: 88434
And one of the following: 44013, 44020

88436 Fundamental of Internetworking for NAS (D36)

Training Manager: AMA-480 Course Length: 2 hour(s)

This exam tests theory of operation on the fundamentals of internetw orking for NAS. Subjecets include principles of netw orking, TCP/IP, routing, and new Window s NT version 4.0.

Prerequisites: None
And one of the following: None

88437 UNIX for NAS (D37)

Training Manager: AMA-480 Course Length: 3 hour(s)

This exam covers basic UNIX commands, UNIX system administration, and netw ork concepts (including setup and configuration of NIS, NFS, and DNS).

Prerequisites: None
And one of the following: None

88438 NAS Overview for OCC Specialists (D38)

Training Manager: AMA-480 Course Length: 2 hour(s)

This exam covers the role of Operations Control Center (OCC) and the National Operations Ccontrol Center (NOCC) in the NAS, OCC specialists and their role in the NAS, NAS/en route/terminal and general services areas, technical support facilities, commercial airplane flight, and future projections for equipment and services and Airw ay Facilities.

Prerequisites: None
And one of the following: None

88439 AWOS (D39)

Training Manager: AMA-480 Course Length: 3 hour(s)

This exam covers the AWOS system configuration, system operation, technical procedures, system malfunctions, and troubleshooting.

Prerequisites: None
And one of the following: None

88440 A+ Certification (D40)

Training Manager: AFZ-100 Course Length: 1 hour(s)

This exam is a Comptia-sponsored testing program that certifies the competency of entry-level (6-months experience) computer service technicians. This exam contains situational, traditional, and identification types of questions. 20-30 questions will be presented. All questions are multiple choice with only one correct answer for each question. The test covers a broad range of hardware and software technologies, but is not bound to any vendor-specific products. A+ Certification signifies the individual possesses the knowledge and skills essential for successful entry-level computer service technicians, as defined by experts from companies across the industry.

Prerequisites: 88440
And one of the following: None

88441 Network+ Certification (D41)

Training Manager: AMA-490 Course Length: 2 hour(s)

This exam is a Comptia vendor-neutral certification that measures the technical knowledge of networking professionals with 18-24 months experience in the IT industry. This test is administered by NCS/VUE and Prometric. This certification indicates the technician possesses the knowledge needed to configure and operate a variety of networking products. The exam covers a wide range of vendor and product neutral networking technologies that can also serve as a prerequisite for vendor-specific IT certifications. There are 65 questions on this exam.

Prerequisites: None
And one of the following: None

88442 ECG Hardware Maintenance (D42)

Training Manager: AMA-470 Course Length: 3 hour(s)

This bypass exam is for ATSS hardware maintenance personnel on the en route communications gateway (ECG). This is an open book exam.

Prerequisites: 47438
And one of the following: None

88443 ECG Software Maintenance (D43)

Training Manager: AMA-470 Course Length: 4 hour(s)

This bypass exam is for ATSS software maintenance personnel on the En route Communications Gateway (ECG). This is an open book exam.

Prerequisites: 47438
And one of the following: None

88444 ECG Overview for NAS/NOM (D44)

Training Manager: AMA-470 Course Length: 2 hour(s)

This bypas exam is for AF HOST computer specialists and AF NAS/NOM personnel on the En route Communications Gateway (ECG). This is an open book exam.

Prerequisites: 47438
And one of the following: None

88520 Wind/Altimeter Equipment (CP9)

Training Manager: AMA-410 Course Length: 4 hour(s)

The exam tests proficiency in wind direction indicator, wind-speed transmitter, wind-speed indicators, wind retransmitter, altimeter setting indicator, and digital altimeter setting indicator.

Prerequisites: None
And one of the following: None

88527 VDF Type CA-3300 (CP16)

Training Manager: AMA-410 Course Length: 4 hour(s)

The exam tests proficiency in the VDF Type CA-3300. Subjects include antennas (CA-3310), receiver (CA-3320), amplifier-power supply (CA-3332), mechanical indicators azimuth (CA-3345), control unit (CA-3344), adapter unit (CA-3341), ground check, and flight inspection check.

Prerequisites: None
And one of the following: None

88530 RBC (CP19)

Training Manager: AMA-410 Course Length: 5 hour(s)

The exam tests proficiency in the rotating beam ceilometer (RBC). Subjects include projector, detector, and indicator.

Prerequisites: None
And one of the following: None

88540 Recorder, Leach, 5-CH, FA8144 (CP29)

Training Manager: AMA-410 Course Length: 8 hour(s)

The exam tests proficiency in the Leach 5-channel recorder type FA-8144. Subjects include pow er supply, 5-channel recorder, reproducer, tape cartridge, mixing amplifier, tape log, and re-recording techniques.

Prerequisites: None
And one of the following: None

88541 VDF (Doppler) Remoting Equipment (CP30)

Training Manager: AMA-410 Course Length: 3 hour(s)

The exam tests proficiency in the VDF (doppler) remoting equipment FA-5571/5572. Subjects include local control unit (FA-5571), local control unit data transmitter, remote control unit (FA-5572), and indicator.

Prerequisites: None
And one of the following: None

88542 Recorder, Magnasync TR-1720/1710 (CP31)

Training Manager: AMA-410 Course Length: 5 hour(s)

The exam tests proficiency in the magnasync recorder (TR-1720/tr-1710). Subjects include recorder operation, pow er supply/bias checks, system checks, monitor panel, fail safe monitor, reproduce amplifier, time code generator, and reproducer.

Prerequisites: None
And one of the following: None

88543 BUEC (FA-8190, FA-8191) (CP32)

Training Manager: AMA-410 Course Length: 8 hour(s)

The exam tests proficiency in the backup emergency communications VHF transceiver 20 w att, type FA-8190/8191. Subjects include coordination, preliminary checks, tone generator adjustments and connections, receiver performance, keying tone notch, filter adjustment, transmitter performance, antennas and transmission lines, and control lines system.

Prerequisites: None
And one of the following: None

88545 BUEC Remote Control Group (ARTCC) (CP34)

Training Manager: AMA-410 Course Length: 4 hour(s)

The exam tests proficiency in the BUEC remote control group. Subjects include coordination, command and transmitter keying checks, pow er supplies check, tone generator frequency check, ready error detection alignment, transmit audio level adjustment, removal/replacement of priority module, maintenance panel operation, and remote link tester.

Prerequisites: None
And one of the following: None

88547 CMLT (Farinon) (CP36)

Training Manager: AMA-410 Course Length: 10 hour(s)

The exam tests proficiency in communication link equipment, Farinon Type PT-150. Subjects include pow er supply adjustment, receiver and transmitter voltage checks, transmitter pow er and combined transmitter, output, transmitter frequency check and deviation, receiver calibration, base and frequency response, net path attenuation, baseband and multiplex system noise, and various other checks and adjustments.

Prerequisites: None
And one of the following: None

88550 Doppler DF (FA-9964) (CP39)

Training Manager: AMA-410 Course Length: 8 hour(s)

The exam tests proficiency in certification procedures and parameters, pow er supply checks, doppler DF performance checks, system alignment, and flight inspection.

Prerequisites: None
And one of the following: None

88551 CP-40-Dictaphone 5000 Recorder

Training Manager: AMA-410 Course Length: 4 hour(s)

The exam tests proficiency in pow er supply/bias adjustments, system adjustments, system checks, monitor control adjustments, time/date code generator/reader adjustments, time/date code generator operation, recorder operation, monitor panel operation and use, reproducer checks, tape break check, tape erase and splicing demonstrations, use of tape log, and restoring system to normal operation (coordination w ith air traffic).

Prerequisites: None
And one of the following: None

88557 ATIS - TWEB COMEX Solid-State Type FA-10012 (CP46)

Training Manager: AMA-480 Course Length: 4 hour(s)

The exam tests proficiency in the COMEX Digital Deck (CDD-1000) Solid-State ATIS Recorder/Reproducer Set, Type FA-10012. Subjects include output level adjustment, system frequency response, system signal-to-noise ratio, and special checks.

Prerequisites: None
And one of the following: None

88564 Frequency Modulation Equipment (LCOT) (CP53)

Training Manager: AMA-410 Course Length: 6 hour(s)

The exam tests proficiency in frequency modulation equipment (LCOT). Subjects include coordination prior to removal from service, transmitter adjustments, transmission lines, antenna measurements, antenna adjustments, hot switchover system, power supplies, and restoration of equipment to normal with proper adjustments.

Prerequisites: None
And one of the following: None

88567 RVR/RVV Transmissometer, Etc. (CP56)

Training Manager: AMA-420 Course Length: 2 hour(s)

The exam tests proficiency on the RVR/RVV transmissometer. Areas covered by the exam include transmissometer adjustments or alignments, indicator chassis, and recorder.

Prerequisites: None
And one of the following: None

88568 RVR/RVV (SSR) (CP57)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam tests proficiency on the SSR RVR/RVV. Areas covered by the exam include runway light intensity relay chassis, day-night switch, remote display, receiver-decoder, runway computer selector, command generator, and ten relay indicator matrix.

Prerequisites: None
And one of the following: None

88569 RVR/RVV (IRA) (CP58)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam tests proficiency on the IRA RVR/RVV. Areas covered by the exam include runway light intensity relay chassis, day-night switch, remote display, receiver-decoder, runway computer selector, time base generator, function generator, RVR tables, answer translator, and power supply and control panel.

Prerequisites: None
And one of the following: None

88571 RVR/RVV (Tasker) 500 (CP60)

Training Manager: AMA-420 Course Length: 3 hour(s)

This exam tests proficiency on the Tasker 500 RVR/RVV. Areas covered by the exam include runway light intensity chassis, day-night switch, remote display, receiver-decoder, runway computer selector, signal data converter, remote display programmer, and mainframe.

Prerequisites: None
And one of the following: None

88572 Single Channel Digital Recorder System FA-10146 (CP61)

Training Manager: AMA-410 Course Length: 7 hour(s)

The exam tests proficiency in the Single Channel Digital Recorder System (FA-10146). Subjects include coordination with air traffic, system operation, maintenance, and final check.

Prerequisites: None
And one of the following: None

88573 Qualimetrics AWOS (CP62)

Training Manager: AMA-480 Course Length: 4 hour(s)

This exam tests proficiency in the following areas of the qualimetrics AWOS; remote sensor identification, central-data platform identification, log procedures, voice data checks, terminal operation, sensor interface processor check, wind speed and direction, temperature and dew point visibility, day/night sensor, precipitation, cloud height, barometric pressure, central data platform, and aircraft accident procedures.

Prerequisites: None
And one of the following: None

88575 Voice Switching and Control System (VSCS) Hardware (CP67)

Training Manager: AMA-410 Course Length: 28 hour(s)

This exam tests proficiency on the VSCS. The areas covered by the exam include the VCE, switching subsystem, position equipment, the control subsystem, the control site portion of the facility wiring, and the control site portion of the RCE System.

Prerequisites: None
And one of the following: 40272, 48171

88576 High Capacity Voice Recorder (Magnasync/Moviola)(CP65)

Training Manager: AMA-410 Course Length: 12 hour(s)

This exam tests proficiency in the following areas of the Magnasync/Moviola high capacity voice recorder: cleaning, tape loading, operating checks, recorder inspection, demagnetizing heads, inspecting voice quality, reproducer operation, reproducer inspection, time channel validation, tape handling and storage, and master synchronizer operation.

Prerequisites: None
And one of the following: None

88578 Teledyne Runway Visual Range (RVR) System (CP64)

Training Manager: AMA-420 Course Length: 4 hour(s)

This exam tests proficiency on the Teledyne Runway Visual Range (RVR) System. Areas covered by the exam include the data processing unit, visibility sensor/sensor interface electronics (ALS/SIE), runway light intensity monitor/sensor interface electroncis (RLIM/SIE), and controller display.

Prerequisites: None
And one of the following: None

88579 Nexcom Multimode Digital Radio (Analog) (CP69)

Training Manager: AMA-410 Course Length: 8 hour(s)

This exam tests proficiency on the nexcom multimode digital radio (MDR) (analog) equipment. Subjects include the MDR receiver and transmitter system parameter measurements include RX and TX frequency stability; RX sensitivity, selectivity, SINAD (SNR), AVC action and squelch settings; TX operating frequency, RF power output, modulation checks and load VSWR.

Prerequisites: None
And one of the following: None

88580 Digital Voice Recorder System (CP68)

Training Manager: AMA-410 Course Length: 8 hour(s)

This exam tests proficiency in the Digital Voice Recorder System (DVRS) equipment. Subjects include system gain, audio frequency response, signal-to-noise ratio, crosstalk, remote alarm operation and indication, playback voice quality, time source correctness, and computer workstation software configuration.

Prerequisites: None
And one of the following: 47014, 48241

88581 VHF and UHF Communications Equip and Facility Wiring (CP70)

Training Manager: AMA-410 Course Length: 16 hour(s)

This performance examination tests proficiency on the VHF and UHF communication equipment and facility wiring. Equipment included in this exam: Motorola CM-200 Receiver/Transmitter System. ITT AN/GRT-21 and AN/GRT-22 transmitters, ITT AN/GRR-23 and AN/GRR-24 receivers, radio control equipment, and facility wiring. Subjects include VHF/UHF receiver and transmitter operation and adjustments, coordination of maintenance activities, certification requirements, radio control equipment (RCE) interfaces, antennas and transmission line measurement procedures and tracing the voice and signal paths using facility wiring drawings.

Prerequisites: None
And one of the following: None

88582 Digital Voice Recorder 2 (DVR2) (CP71)

Training Manager: AMA-410 Course Length: 8 hour(s)

This exam tests proficiency on the Digital Voice Recorder Series II, (DVR2). Subjects include system gain, audio frequency response, signal-to-noise ratio, crosstalk, remote alarm operation and indication, playback voice quality, time source correctness, and computer workstation software configuration.

Prerequisites: 40045
And one of the following: None

88583 Enhanced Terminal Voice Switch (ETVS) (CP72)

Training Manager: AMA-410 Course Length: 5 hour(s)

This exam tests proficiency on the enhanced terminal voice switch (ETVS). Subjects include overall system level alignment, radio processor alignment, alignments on the five different types of telephone interfaces, automatic gain control alignment for microphone and telephone, power supply alignment, battery checks, local mapping, global mapping, map editing, configuration settings, database backup procedures, control site side of the radio control equipment (RCE), and control site side of the facility wiring.

Prerequisites: 40041
And one of the following: None

88584 Small Tower Voice Switch (STVS) (CP73)

Training Manager: AMA-410 Course Length: 5 hour(s)

This exam tests proficiency on the Small Tower Voice Switch (STVS). Subjects include transmit channel alignment, receive channel alignment, telephone interface alignments, power supply alignments, local system mapping, global mapping, map editing, system information editing, and software configuration, control site side of the radio

control equipment (RCE), and control site side of the facility w iring.

Prerequisites: 47507
And one of the following: None

88585 RDVS Models 3080c, E, F, and H (CP74)

Training Manager: AMA-410 Course Length: 7 hour(s)

This exam tests proficiency on the Models 3080C, E, F, and H rapid deployment voice sw itches. Subjects include transmit channel alignment, receive channel alignment, telephone interface alignment, pow er supply alignment, softw are configuration, control-site side of the radio control equipment RCE, and control-site side of the facility w iring.

Prerequisites: None
And one of the following: 40028, 40042

88586 Denro Model 400 RDVS II (CP75)

Training Manager: AMA-410 Course Length: 4 hour(s)

This exam tests proficiency on the Denro Model 400 RDVS. Subjects include transmit channel alignment, receive channel alignment, telephone interface alignments, pow er supply alignments, local system mapping, global mapping, map editing, system information editing, softw are configuration, control site side of the radio control equipment RCE, and control site side of the facility w iring.

Prerequisites: 40028
And one of the following: None

88587 Integrated Communications Switching Systems (ICSS) (CP76)

Training Manager: AMA-410 Course Length: 7 hour(s)

This exam tests proficiency on the ICSS Types I, IA, II, Denro and Litton Type II. Subjects include transmit channel alignment, receive channel alignment, telephone interface alignments, pow er supply alignments, softw are configuration, control site side of the radio control equipment (RCE), and control site side of the facility w iring.

Prerequisites: None
And one of the following: 40023, 40024, 40028

88588 Voice Switching and Control Sys (VSCS W/ VCSU Upgrade)(CP77)

Training Manager: AMA-410 Course Length: 28 hour(s)

This exam tests proficiency in the voice sw itching and control subsystem upgrade (VCSU). The exam covers system performance checks, VSCU System requirements, the VCE, sw itching subsystem, position equipment, the control subsystem, the control site portion of the facility w iring, and the control site portion of the RCE System and tasks required to certify the system. Technicians currently holding the certification authority and responsibility for VSCS (FIC 48CB) need only complete Section B. Technicians not holding certification authority and responsibility for VSCS must complete the entire exam.

Prerequisites: None
And one of the following: 40046, 40047

88589 VSCS Training and Backup System (VTABS) (CP78)

Training Manager: AMA-410 Course Length: 4 hour(s)

This exam tests proficiency on the VSCS Training and Backup System (VTABS). Subjects include bulk sw itchover, diagnostic procedures, system verification, audio alignments, pow er supply checks and certification procedures.

Prerequisites: 40000
And one of the following: None

88601 VASI (EP1B)

Training Manager: AMA-430 Course Length: 6 hour(s)

This exam tests proficiency in all types of VASI systems. It is divided into three sections: (1) general; (2) remote control; and (3) specific types of VASI systems. Complete only the subsection(s) applicable to the type of systems at your facilitiy.

Prerequisites: None
And one of the following: None

88602 REIL, LDIN (EP1C)

Training Manager: AMA-430 Course Length: 4 hour(s)

The exam tests proficiency in installation and maintenance of lead-in and runw ay-end identifier lighting systems.

Prerequisites: None
And one of the following: None

88608 EP4-Omni-Directional Approach Lighting System (ODALS)

Training Manager: AMA-430 Course Length: 4 hour(s)

This exam tests proficiency in the operation and maintenance of the ODALS.

Prerequisites: None
And one of the following: None

88609 ALSF, MALS, MALSR, SSALR, SSALS (EP5)

Training Manager: AMA-430 Course Length: 12 hour(s)

The exam tests proficiency in the operation and mainteance of the ALSF, MALS, MALSR, SSALR, and SSALS.

Prerequisites: None
And one of the following: None

88610 Multi-Electric MALSR FA-9425/1 (EP6)

Training Manager: AMA-430 Course Length: 4 hour(s)

This exam tests proficiency in the operation and maintenance of the multi-electric MALSR.

Prerequisites: None
And one of the following: None

88611 UPS Exide (EP7)

Training Manager: AMA-430 Course Length: 15 hour(s)

This exam tests proficiency in the operation and maintenance of the Exide uninterruptible pow er supply.

Prerequisites: None
And one of the following: None

88612 PAPI Type FA-10147 Sonicraft (EP8)

Training Manager: AMA-430 Course Length: 6 hour(s)

This exam tests proficiency in the operation and maintenance of the PAPI.

Prerequisites: None
And one of the following: None

88614 ARTCC Critical and Essential Power System (ACEPS) (EP10)

Training Manager: AMA-430 Course Length: 32 hour(s)

This exam tests proficiency in the pow er control and monitoring system (PCMS) configuration, sw itchgear operation, critical pow er centers (CPC), uninterruptible pow er modules (UPM), batteries, bypass transfer control system, and system-level tests of ACEPS.

Prerequisites: None
And one of the following: None

88615 MALSR Type FA-10290 (AVW)(EP11)

Training Manager: AMA-430 Course Length: 10 hour(s)

This performance exam covers the medium intensity approach lights w ith RAIL (MALSR) Type FA-10290 (AVW).

Prerequisites: 40143
And one of the following: None

88616 PAPI Type FA-10265 (AVW) and FA-10620 (NBP) (EP12)

Training Manager: AMA-430 Course Length: 6 hour(s)

This performance exam covers the precision approach path indicator (PAPI) Type FA-10265 (AVW) or tType FA-10620 (NPB).

Prerequisites: 47107
And one of the following: None

88617 DME MALSR (EP13)

Training Manager: AMA-430 Course Length: 6 hour(s)

This performance exam covers the Medium Intensity Approach Lighting System w ith RAIL (DME MALSR).

Prerequisites: 40147
And one of the following: None

88618 Dual Mode Intensity Appr (ALSF-2/SSALR) Type FA-10048 (EP14)

Training Manager: AMA-430 Course Length: 12 hour(s)

This performance exam covers the Dual Mode High Intensity Approach Lighting System (ALSF-2/SSALR) Airflow Type FA-10048.

Prerequisites: None
And one of the following: None

88707 NDB-COMLO, Common (NP8)

Training Manager: AMA-420 Course Length: 7 hour(s)

The exam tests proficiency in the Comio Non-Directional Beacon (NDB). There are tw o sections. Section A subjects include transmitter adjustments, monitor adjustments, shutdow n time delay, automatic reset/changeover (if applicable), insulation resistance, battery charge/voltage level check, and return system to normal operation. Section B subjects include antenna, voice/identification quality check, local/remote monitor operation and adjustments, and flight check requirements.

Prerequisites: None
And one of the following: None

88731 Solid State Markers (NP30)

Training Manager: AMA-420 Course Length: 5 hour(s)

The exam tests proficiency in solid state markers. Subjects include transmitter adjustments, modulation level measurements, modulation frequency measurements, identification keying, equipment transfer and/or changeover initial monitor test, operating monitor adjustments, antenna and transmission line resistance and continuity, transmission line voltage standing w ave ratio (50 Ohm transmission line), simulated flight check, and actual flight check.

Prerequisites: None
And one of the following: None

88733 Remote Radio-Controlled Visual NavAids (NP32)

Training Manager: AMA-420 Course Length: 10 hour(s)

The exam tests proficiency in remote radio-controlled visual NavAids. Subjects include coordination of maintenance activities w ith air traffic (AT), use of local control for trouble isolation, test equipment adjustments and connections, FM receiver/decoder performance, alignment procedures, final checks, FM transmitter performance, AM receiver performance, system-level checks, control console tone output levels, flight inspection procedures, restoring equipment to normal operation, and final coordination of maintenance activities w ith AT.

Prerequisites: None
And one of the following: None

88741 Cardion DME (FA-9783) (NP40)

Training Manager: AMA-420 Course Length: 10 hour(s)

The exam tests proficiency in the Cardion Distance Measuring Equipment (DME), Type FA-9783. Subjects include ground station, DME monitor, and performance checks.

Prerequisites: None
And one of the following: None

88747 ILS, Wilcox Mark 1A Marker Beacon Type FA-8030 (NP47)

Training Manager: AMA-420 Course Length: 5 hour(s)

The exam tests proficiency in the Mark 1A Marker Beacon Station Type FA-8030. Subjects include pow er supply, transmitter, modulation level, modulation frequency, identification keying, transmission line VSWR, antenna and transmission line insulation resistance, monitor alarm, simulated flight check, and actual flight check.

Prerequisites: None
And one of the following: None

88753 ILS, Wilcox Mark 1F Localizer Type FA-9903 (NP53)

Training Manager: AMA-420 Course Length: 8 hour(s)

This exam tests proficiency in the Mark 1F Localizer Type FA-9903. Subjects include transmitter adjustments, identification modulation, w aveform analysis (mech-modulator), Antenna System, monitor adjustments, RF phasing, ground check, flight inspection, local control unit, and remote status indicator (land line only).

Prerequisites: None
And one of the following: None

88754 Wilcox Mark 1F Null Ref Glideslope, Type FA-9919 (NP54)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Mark 1F Null Reference Glideslope, Type FA-9919. Subjects include transmitter, w aveform analysis, RF phasing, antenna mast proximity, position, antenna system, monitor adjustments, flight inspection, and local control unit.

Prerequisites: None
And one of the following: None

88755 ILS, Wilcox Mark 1F Sideband Ref GS FA-9919/9929 (NP55)

Training Manager: AMA-420 Course Length: 10 hour(s)

The exam tests proficiency in the Mark 1F Sideband Reference Glideslope, Type FA-9919/9929. Subjects include transmitter adjustment, w aveform analysis, distribution unit, RF phasing, detector location (sideband reference), antenna system, monitor adjustments, flight inspection, remote status indication (land lines only), and control unit.

Prerequisites: None
And one of the following: None

88756 ILS, Wilcox Mark 1F CEGS FA-9919/9928 (NP56)

Training Manager: AMA-420 Course Length: 10 hour(s)

The exam tests proficiency in the Mark 1F Capture Effect Glideslope, Type FA-9919/9929. Subjects include reference transmitter, clearance transmitter, adjust RF pow er ratios at APCU, w aveform analysis, RF phasing, antenna system, monitor input signals, monitor performance checks, pre-flight inspections, remote status indicator,

and control unit.

Prerequisites: None
And one of the following: None

88757 ILS, Wilcox Mark 1F MKR FA-9930/9937 (NP57)

Training Manager: AMA-420 Course Length: 5 hour(s)

The exam tests proficiency in the Mark 1F Marker Beacon Station Type, FA-9930/9937. Subjects include transmitter adjustments, antenna system, monitor alarms, simulated flight inspection, and remote status indicator.

Prerequisites: None
And one of the following: None

88762 ILS, Wilcox Mark 1D/1E LOC FA-9350/FA-9700 (NP62)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Mark 1D/1E Localizer, Type FA-9350/FA-9700. Subjects include transmitter, identification modulation, w aveform analysis, RF phasing, antenna system, monitor adjustments, ground check, flight inspection, remote monitor receiver alarm, and test equipment.

Prerequisites: None
And one of the following: None

88763 ILS, Wilcox Mark 1D/1E NRGS, FA-9365/FA-9715 (NP63)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Mark 1D/1E Null Reference Glideslope, Type FA-9365/FA-9715. Subjects include transmitter, w aveform analysis, RF phasing, antenna system, monitor adjustments, flight inspection, and remote monitor receiver alarm.

Prerequisites: None
And one of the following: None

88764 ILS, Wilcox Mark 1D/1E SBRGS, FA-9367 (NP64)

Training Manager: AMA-420 Course Length: 10 hour(s)

The exam tests proficiency in the Mark 1D/1E Sideband Reference Glideslope, Type FA-9367. Subjects include transmitter, w aveform analysis, distribution unit, RF phasing, detector location (sideband reference), antenna system, monitor adjustments, and flight inspection.

Prerequisites: None
And one of the following: None

88765 ILS, Wilcox Mark 1D/1E CEGS, FA-9366/FA-97XX (NP65)

Training Manager: AMA-420 Course Length: 10 hour(s)

The exam tests proficiency in the Mark 1D/1E Capture Effect Glideslope. Subjects include reference transmitter, clearance transmitter, adjust RF pow er ratios at APCU, w aveform analysis, RF phasing, antenna system, monitor adjustment, monitor performance checks, flight check, and remote status indicator.

Prerequisites: None
And one of the following: None

88766 ILS, Wilcox Mark 1D/1E Markers, FA-938X/FA-972X (NP66)

Training Manager: AMA-420 Course Length: 5 hour(s)

The exam tests proficiency in the Mark 1D/1E Markers, Types FA-938X/FA-972X. Subjects include transmitter, modulation measurements, antenna and transmission line, monitor alarm, check automatic transfer/shutdow n function, simulated flight check, and actual flight check.

Prerequisites: None
And one of the following: None

88770 ILS, Mark 1B, MKR FA-8603 (NP70)

Training Manager: AMA-420 Course Length: 5 hour(s)

The exam tests proficiency in the Mark 1B Marker, Type FA-8603. Subjects include transmitter, modulation level, modulation frequency, identification keying, transmission line VSWR, antenna and transmission line insulation resistance, monitor alarm, and simulated flight check.

Prerequisites: None
And one of the following: None

88771 Null Reference Glideslope (General) (NP71)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in general null reference glideslope. Subjects include transmitter, modulation measurements, sideband generator, harmonic distortion, antenna system, analysis of w aveform distortion, antenna bridge balance, detector location, monitor adjustments, RF phasing, and flight inspection.

Prerequisites: None
And one of the following: None

88772 Sideband Reference Glideslope (General) (NP72)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the general Sideband Reference Glideslope. Subjects include transmitter, modulation Measurements, sideband generator, harmonic distortion, antenna system, analysis of w aveform distortion, antenna bridge balance, detector locations, system phasing, monitor, RF phasing, and flight inspection.

Prerequisites: None
And one of the following: None

88773 Capture Effect Glideslope (General) (NP73)

Training Manager: AMA-420 Course Length: 10 hour(s)

The exam tests proficiency in the general Capture Effect Glideslope. Subjects include pow er supply adjustments, course transmitter, clearance transmitter, modulator, analysis of w aveforms distortion, antenna distribution and transmission, near- field monitor, w idth and clearance recombination circuits, monitor adjustments, and flight inspection.

Prerequisites: None
And one of the following: None

88774 Cardion DME Ground Station Effect, Type FA-9639 (NP74)

Training Manager: AMA-420 Course Length: 5 hour(s)

The exam tests proficiency in the Cardion Distance Measuring Equipment Ground Station Effect, Type FA-9639. Subjects include ground station and DME monitor.

Prerequisites: None
And one of the following: None

88778 Second Generation VORTAC RMC-F FA-9996/7 (NP78)

Training Manager: AMA-420 Course Length: 2 hour(s)

This exam tests proficiency on the second generation VORTAC RMC-F, Type FA-9996/7. Subjects include RMC-F operation.

Prerequisites: None
And one of the following: None

88779 Second Generation VORTAC DME/TACAN FA-9996/3 (NP79)

Training Manager: AMA-420 Course Length: 6 hour(s)

This exam tests proficiency on the Second Gen VORTAC DME/TACAN, Type fa9996/3. Subjects include transponder monitor, TACAN only, and flight check.

Prerequisites: None
And one of the following: None

88780 Second Gen VORTAC Antenna Speed Controls (NP80)

Training Manager: AMA-420 Course Length: 2 hour(s)

This exam tests proficiency on the second generation VORTAC RTA-2 Antenna Speed Controls, Type FA-6247, FA-6238, and low -pow er TACAN Antenna Speed Controls, Type FA-10369. Subjects include Antenna Speed Control RTA-2, Type FA-6247 and FA-6238 and low -pow er TACAN Antenna, Type FA-10349.

Prerequisites: None
And one of the following: None

88781 Endfire Glideslope Antenna System (NP99)

Training Manager: AMA-420 Course Length: 16 hour(s)

This exam tests proficiency in the calibration, alignment, and certification of the Mark 1F or Mark 20 transmitter systems, endfire glideslope array, monitor alarms, and flight inspection.

Prerequisites: 47709
And one of the following: None

88782 ILS, Wilcox CAT III LOC FA-9759 (NP82)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Category III Localizer, Type FA-9759. Subjects include course transmitter (FA-9759/4), identification modulation, clearance transmitter (FA-9759/3), identification modulation, w aveform analysis, phasing, antenna system, monitor adjustments, remote control unit, FFM, ground check, and flight inspection.

Prerequisites: None
And one of the following: None

88783 ILS, Wilcox CAT III MKR FA-9761 (NP83)

Training Manager: AMA-420 Course Length: 5 hour(s)

The exam tests proficiency in the category III Marker Beacon

Subsystem, Type FA-9761. Subjects include power supply, transmitter, modulation measurements, antenna and transmission line, monitor alarm, simulated flight check, and actual flight check.

Prerequisites: None
And one of the following: None

88784 ILS, Wilcox CAT III NRGS FA-9760/5 (NP84)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Category III Null Reference Glideslope, Type FA-9760/5. Subjects include transmitter, waveform analysis, RF phasing, detector location (null reference), antenna system, monitor adjustments, remote control unit, and flight inspection.

Prerequisites: None
And one of the following: None

88785 ILS, Wilcox CAT III CEGS FA-9760 (NP85)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Category III Capture Effect Glideslope, Type FA-9760. Subjects include transmitters, modulator characteristics, audio phasing, antenna system, monitor alarm points, and flight inspection.

Prerequisites: None
And one of the following: None

88789 Localizer With V-Ring Antenna Array (NP88)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the localizer with V-ring antenna array. Subjects include transmitter adjustments, 1020 hz oscillator adjustment, time delay relays, modulation levels, monitor alarm limits, sideband generator tuning and adjustment, modulation bridge (bridge unbal), hybrid bridge (bridge unbal), test equipment adjustment, antenna bridge, course alignment, course width, phasing, V-Ring monitoring, and flight check.

Prerequisites: None
And one of the following: None

88790 Localizer with Alford 8-Loop Antenna System (NP89)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Localizer with Alford 8-Loop Antenna System. Subjects include transmitter adjustments, 1020 Hz oscillator adjustment, time delay relays, modulation levels, monitor alarm limits, sideband generator tuning and adjustment, modulation bridge (bridge unbal), hybrid bridge(bridge unbal), test equipment adjustment, antenna array, course structure, phasing, and flight check.

Prerequisites: None
And one of the following: None

88791 Localizer With Traveling Wave Antenna (TWA) System (NP90)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the localizer with Traveling Wave Antenna System. Subjects include transmitter adjustments, 1020 Hz oscillator adjustment, time delay relays, modulation levels, monitor alarm limits, sideband generator tuning and adjustment, modulation bridge (bridge unbal), hybrid bridge (bridge unbal), test equipment adjustment, antenna distribution, course alignment, course width, phasing, TWA monitoring, and flight check.

Prerequisites: None
And one of the following: None

88792 Localizer With Waveguide Antenna Array (NP91)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the localizer with waveguide antenna array. Subjects include transmitter adjustments, 1020 Hz oscillator adjustment, time delay relays, modulation levels, monitor alarm limits, sideband generator tuning and adjustments, modulation bridge (bridge unbal), hybrid bridge (bridge unbal), test equipment adjustment, RF frequency, phasing, antenna slot currents, antenna bridge, RF null on waveguide, course alignment, course width, ground check with PIR, monitor system, and flight check.

Prerequisites: None
And one of the following: None

88793 Butler DME Model 1020 (NP92)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Butler DME Model 1020. Subjects include monitor and transponder.

Prerequisites: None
And one of the following: None

88794 Wilcox Model 596B/C DME (NP93)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in the Wilcox model 596B DME. Subjects include transponder, monitor, and control unit.

Prerequisites: None
And one of the following: None

88795 Non-Directional Beacon (NDB) Nautel NX 8000BD-02-01 (NP94)

Training Manager: AMA-420 Course Length: 10 hour(s)

The exam tests proficiency in the Non-directional beacon (NDB) Nautel NX 8000BD-0201. Subjects include transmitter adjustments, monitor, antenna safety gap adjustment, transmission line leaking/resistance, antenna tuning unit, and flight check requirements.

Prerequisites: None
And one of the following: None

88796 LF/MF NDB Scientific Radio System, Type FA-9589/9591 (NP95)

Training Manager: AMA-420 Course Length: 14 hour(s)

The exam tests proficiency in the LF/MF NDB Scientific Radio System, Type FA-9589/9591. Subjects include transmitter type FA-9589 indicator verifications, pow er disconnect procedure, visual inspection, check site sensors, pow er reconnect procedure, check condition of internal batteries w ith the IOT, modem alignment procedures, facility central processor unit (FCPU), monitor/executive monitor, modulator/pow er amplifier/ATU electronics assembly, transmitter verification tests, monitor receiver FA-9591, and flight check requirements.

Prerequisites: None
And one of the following: None

88798 Third Gen VOR/DEM VOR Portion (NP97)

Training Manager: AMA-420 Course Length: 1 hour(s)

This examination tests proficiency in VOR portion of the Third Gen VOR/DME Equipment, Type FA-10391.

Prerequisites: 40286
And one of the following: None

88802 ARSR-1/2 Transmitter/Receiver Site (RP3)

Training Manager: AMA-440 Course Length: 12 hour(s)

The exam tests proficiency in the ARSR-1/2 Transmitter/Receiver System. Subjects include voltage regulator check, system timing, bite alignment, transmitter adjustments, normal receiver checks, video integrator adjustments, MTI receiver checks, stagger/destagger adjustments, stalo/AFC, radar set control, checks during flight check or simulated flight check, APG measurements, pow er supplies FA-9492/9493, air compressor checks, and use of facility draw ings.

Prerequisites: None
And one of the following: None

88806 UPX-14 (RP6)

Training Manager: AMA-440 Course Length: 8 hour(s)

The exam tests proficiency in the UPX-14. Subjects include pow er supply alignment, pow er supply performance test and meter readings, transmitter alignment (low pow er only), transmitter performance Navships 93520(A) test (low pow er only), receiver alignment, receiver performance test Navships 93520(A), remote sw itching control, and defruiter Type MX-8757.

Prerequisites: None
And one of the following: None

88807 UPX-6/GPX-9B (RP7)

Training Manager: AMA-440 Course Length: 8 hour(s)

The exam tests proficiency in the UPX-6/GPX-9B. Subjects include transmitter adjustments, receiver adjustments, pulse form restorer, electrical synchronizer, coder-decoder control, and coder-decoder group.

Prerequisites: None
And one of the following: None

88834 ARSR-1/2 Indicator Site (RP24)

Training Manager: AMA-440 Course Length: 4 hour(s)

The exam tests proficiency on the ARSR-1/2 indicator system. Subjects include console initial adjustments, console performance tests and adjustments, indicator performance checks, overall minimum discernible signal, and video mapper performance test.

Prerequisites: None
And one of the following: None

88841 FPS-65A (RP31)

Training Manager: AMA-440 Course Length: 16 hour(s)

The exam tests proficiency in the FPS-65 Radar System. Subjects include utility pow er supply, Stalo O-315/FPS-20, Coho o-374/FPS-20, radar modulator, performance testing transmitter drive circuits, buffer-mixer, pow er distribution cabinet, dual high voltage pow er supplies, dual modulator drivers, dual modulator, pow er amplifier cabinet, alignment of IPA and HV pulses, radar set control, receiver system, pow er supplies check and adjust, MTI receiver adjustments, STC generator, MTI cancellation system adjustment, radar performance monitor, antenna system, VSWR, use of facility draw ings, NAS

interface modification, and video processing modification.

Prerequisites: None
And one of the following: None

88842 FPS-66/67 (RP32)

Training Manager: AMA-440 Course Length: 16 hour(s)

The exam tests proficiency in the FPS-66/67 Radar System. Subjects include Stalo; Coho; radar modulator; performance testing, transmitter drive circuits, buffer-mixer; pow er distribution cabinet; modulator driver; pow er amplifier cabinet; radar set control; receiver system; MTI receiver and channel divider w ide-band section tuning; MTI cancelers; STC generator; receiver and canceler cabinet; pow er supplies check and adjustment; antenna system; VSWR; use of facility draw ings; NAS interface modification; and video processing modification.

Prerequisites: None
And one of the following: None

88843 ATCBI-4 (RP33)

Training Manager: AMA-440 Course Length: 7 hour(s)

This exam tests proficiency in the ATCBI-4 Type FA-8470. Subjects include coordination w ith AT, transmitter section adjustments, receiver section adjustments, control and transfer unit FA-8474, line compensator adjustment FA-8477, digital defrutier MX-8757, antenna, and ATCRBS five-foot FA-9764.

Prerequisites: None
And one of the following: None

88845 ASR-7/7e/7f Radar Site FA-8200 (RP35)

Training Manager: AMA-450 Course Length: 10 hour(s)

This exam tests proficiency in radar system concepts; moving target indicator (MTI); timing; magnetron transmitter; solid-state receiver; microprocesor controlled sensitivity time control (STC); and range-azmuth gating of antenna beam sw itching/video gating.

Prerequisites: None
And one of the following: None

88850 Common Digitizer (CD), FYQ-47/49 (RP40)

Training Manager: AMA-440 Course Length: 12 hour(s)

This exam tests proficiency in the FYQ-47/49 Common Digitizer System. Subjects include system parameters, system analysis, pow er supply adjustment, maintenance tests, RCU testing, height finder processing group, and card tester utilization.

Prerequisites: None
And one of the following: None

88851 FPS-90/FPS-6/FPS-116 (RP41A)

Training Manager: AMA-440 Course Length: 16 hour(s)

This exam tests proficiency in the FPS-90, FPS-6, or FPS-6 Radar Systems. Subjects include general procedures, antenna, transmitter-modulator, pressurizer-dehydrator (HD-187), heat exchanger (HD-188) checks and service, receiver (OA-357/2037/2039), Antenna Positioning System, and Range-Height Indicator (RHI) System.

Prerequisites: None
And one of the following: None

88858 ASR-8 Transmitter Site FA-9335 (RP48)

Training Manager: AMA-450 Course Length: 22 hour(s)

This exam tests proficiency in the ASR-8. Subjects include system concepts, system timing, Klyston transmitter, normal receiver, Digital Moving Target Indicator System, sensitivity time control, Diversity Antenna System, control circuits.

Prerequisites: None
And one of the following: None

88863 ATCBI-5 (RP53)

Training Manager: AMA-440 Course Length: 10 hour(s)

This exam tests proficiency in the ATCBI-5. Subjects include coordination w ith AT, pulse mode generator FA-9405, transmitter section adjustments, receiver section adjustments, control and transfer unit FA-9403, line driver FA-9406, line compensator FA-9407, antenna, and ATCRBS five-foot FA-9764.

Prerequisites: None
And one of the following: None

88865 AN/GPN-21 ASR-8 Radar Site (RP55)

Training Manager: AMA-450 Course Length: 10 hour(s)

This exam tests proficiency in the AN/GPN-21 ASR-8 transmitter site. Subjects include coordination w ith AT, controls and indicators, pow er, transmitter, receiver, processor, MTI cancellation, built-in test equipment, pow er supplies, antenna alignment, RAG alignment, APG alignment, and Unit 9.I

Prerequisites: None
And one of the following: None

88868 RCL Low Density Terminal or Repeater Equipment (RP58)

Training Manager: AMA-440 Course Length: 16 hour(s)

The exam tests proficiency in the RCL repeater. Subjects include RCL battery plant adjustments, receiver (frequency diversity), receiver (frequency/space diversity), transmitter, station-to-station performance test, ANMS satellite diagnostic procedure, Granger checks and adjustment, antenna path alignment, and dehydrator-air compressor checks. This equipment is non-certifiable.

Prerequisites: None
And one of the following: None

88877 ASR-4 Display System FA-4800 (RP67)

Training Manager: AMA-450 Course Length: 6 hour(s)

Prerequisites: None
And one of the following: None

88881 TML-3 Microwave Transmitter FA-9797 (RP71)

Training Manager: AMA-440 Course Length: 3 hour(s)

This exam tests proficiency in the TML-3 Microwave Transmitter Type FA-9797. Subjects include coordination with AT, transmitter familiarity, adjustments and measurements, pressurization system, path attentuation, and system gain.

Prerequisites: None
And one of the following: None

88882 TML-3 Microwave Receiver FA-9798 (RP72)

Training Manager: AMA-440 Course Length: 3 hour(s)

This exam tests proficiency in the TML-3 Microwave Receiver Type FA-9798. Subjects include coordination with AT, receiver familiarity, adjustments and measurements, overall system gain adjustment, system pressurization, and path attenuation.

Prerequisites: None
And one of the following: None

88883 Video Mapper Group AN/GPA-131(V) (RP73)

Training Manager: AMA-450 Course Length: 2 hour(s)

This exam tests proficiency in the video mapper group AN/GPA-131(V). Subjects include coordination with air traffic, video mapper adjustments, video mapper performance test, and operation of remote control switch.

Prerequisites: None
And one of the following: None

88884 Video Mapper Group FA-8049 (RP74)

Training Manager: AMA-450 Course Length: 2 hour(s)

This exam tests proficiency in the Video Mapper Group FA-8049. Subjects include coordination with air traffic, video mapper adjustments, and video mapper performance test.

Prerequisites: None
And one of the following: None

88885 Video Mapper Five Channel FA-8970 (RP75)

Training Manager: AMA-450 Course Length: 2 hour(s)

This exam test proficiency in the Video Mapper Five Channel Type FA-8970. Subjects include coordination with air traffic, video mapper adjustments, video mapper performance test, and operation of remote control switch.

Prerequisites: None
And one of the following: None

88886 Television Microwave Link TCM-6 Transmitter (RP76)

Training Manager: AMA-440 Course Length: 3 hour(s)

This exam tests proficiency in the TML TCM-6 transmitter. Subjects include coordination with AT, transmitter familiarity, adjustments/measurements, video system frequency response, path attenuation, system gain, and system output.

Prerequisites: None
And one of the following: None

88887 Television Microwave Link TCM-6 Receiver (RP77)

Training Manager: AMA-440 Course Length: 3 hour(s)

This exam tests proficiency in the TML TCM-6 receiver. Subjects include coordination with AT, receiver familiarity, adjustments/measurements, video system frequency response, path attenuation, and system output.

Prerequisites: None
And one of the following: None

88889 ATCBI-3 Indicator Site (RP79)

Training Manager: AMA-440 Course Length: 4 hour(s)

Prerequisites: None
And one of the following: None

88896 ARSR 60/60m (RP86)

Training Manager: AMA-440 Course Length: 20 hour(s)

This exam tests proficiency in the ARSR 60/60m. Subjects include Stalo 0-315/FPS-20, performance testing, transmitter drive circuits, buffer-mixer, pow er distribution cabinet, modulator driver, pow er amplifier cabinet, PA modulator, radar set control, parametric amplifier, receiver system, channel divider alignment, MTI cancelers and video amplifier, FTC checks and adjustments, STC generator, azimuth data generator alignment, pow er supply, log receiver check/adjustment, video gating unit adjustments, integrator adjustments and checks, VSWR, overall broadband sensitivity, Antenna System, use of facility draw ings, and NAS interface modification.

Prerequisites: None
And one of the following: None

88897 FPS-20/91 (RP87)

Training Manager: AMA-440 Course Length: 20 hour(s)

This exam tests proficiency in the FPS-20/91. Subjects include utility pow er supply, STALO O-315/FPS-20, COHO O-374/FPS-20, radar modulator, performance testing, transmitter drive circuits, buffer-mixer, pow er distribution cabinet, dual high voltage pow er supplies, dual modulator drivers, dual modulator, pow er amplifier cabinet, alignemnt of IPA and HV pulses, radar set control, receiver system, pow er supplies check and adjust, MTI receiver adjustments, STC generator, MTI cancellation system adjust, radar performance monitor, Antenna System, VSWR, use of facility draw ings, video processing modification, and video processing modification.

Prerequisites: None
And one of the following: None

88904 Coded Time Source (DP4)

Training Manager: AMA-480 Course Length: 2 hour(s)

This exam tests the proficiency in coded time source. Subjects include coordination, initial set up, manual starting, WWV 'tick' start and synchronization, CTS functional adjustments, system shutdow n, adjustment procedures, and restoration to service.

Prerequisites: None
And one of the following: None

88905 CDC Display (CDC-D)(DP5)

Training Manager: AMA-470 Course Length: 12 hour(s)

Prerequisites: None
And one of the following: None

88906 Computer Update Equipment (CUE) (DP6)

Training Manager: AMA-470 Course Length: 6 hour(s)

Prerequisites: None
And one of the following: None

88908 CDC Processor (CDC-P) (DP8)

Training Manager: AMA-470 Course Length: 10 hour(s)

Prerequisites: None
And one of the following: None

88916 Direct Access Radar Channel (DARC) Performance (DP-16)

Training Manager: AMA-470 Course Length: 8 hour(s)

This exam tests proficiency in the direct access radar channel (DARC). Subjects include system familiarity, IOT/IP PC, magnetic tape unit, functional system checkout, and system operation.

Prerequisites: None
And one of the following: None

88919 Maintenance Processor Subsystem (DP18)

Training Manager: AMA-480 Course Length: 12 hour(s)

This exam tests proficiency in the Maintenance Processor Subsystem. Subjects inlcude system familiarity, system configuration, system operations, and diagnostics.

Prerequisites: None
And one of the following: None

88920 FSAS-AFSS/FSDPS (DP19)

Training Manager: AMA-480 Course Length: 20 hour(s)

This exam tests proficiency in the Automated Flight Service Station (FSS) and Flight Service Data Processing Subsystem (FSDPS). Part I covers the Tandem computer (FSDPS only) and part II covers E

Systems (AFSS and FSDPS).

Prerequisites: None
And one of the following: None

88922 Host Computer System (CCCH) (DP21)

Training Manager: AMA-470 Course Length: 18 hour(s)

Prerequisites: None
And one of the following: None

88925 Peripheral Adapter Module Replacement Item (PAMRI) (DP24)

Training Manager: AMA-470 Course Length: 4 hour(s)

This exam tests proficiency in the PAMRI. Subjects include PAMRI adapter unit (AU), maintenance console PS/2, modem splitter unit (MSU), and radar data distribution unit (RDDU).

Prerequisites: None
And one of the following: None

88926 CRAD/CFAD/DRAD (Dp25)

Training Manager: AMA-470 Course Length: 24 hour(s)

This performance exam tests proficiency in composite flight data processing (CFAD), composite radar data processing (CRAD), and direct access radar channel (DARC) radar data processing (DRAD) service certification procedures.

Prerequisites: None
And one of the following: None

88927 Display Channel Complex Rehost (DCCR) (DP26)

Training Manager: AMA-470 Course Length: 16 hour(s)

This exam tests the technician's ability to perform element certification of the DCCR processor and display controller (IBM ES9221, Model 170) and service-level certification of the R-console interface module (RIM) sw itch.

Prerequisites: None
And one of the following: None

88928 DSR Control Room Hardware Maintenance (DP27)

Training Manager: AMA-470 Course Length: 16 hour(s)

This exam tests proficiency on the Display System Replacement (DSR) control room hardw are maintenance. The exam covers maintenance procedures on the main display monitor, main display unit, primary channel processor, console display generator, pow er distribution unit, loudspeaker, panel assembly, console light assembly, backlit chart holder, flight strip bay lamps, flight strip printer, 15-inch monitor, keyboard breakout box, and M&C Position 4232 printer.

Prerequisites: None
And one of the following: None

88929 Central Computer Complex HOST (CCCH) System (DP28)

Training Manager: AMA-470 Course Length: 18 hour(s)

This exam tests proficiency in the Central Computer Complex HOST (CCCH) system. The exam covers system performance checks, CCCH System requirements, and tasks required to certify the system, including coordination of the release of all floor replaceable units w ith air traffic through the AMCC/MCC. Technicians currently holding certification authority and responsibility for CCCH need only to complete steps 1, 2, 4.H. - 4.M. Technicians not holding certification authority and responsibility for CCCH must complete the entire exam.

Prerequisites: None
And one of the following: None

88930 HNL (Dp29)

Training Manager: AMA-480 Course Length: 5 hour(s)

This exam tests performance on the Host Interface Device/National Airspace System-Local Area Netw ork (HNL). The exam covers system performance checks and HNL system requirements, including Host Interface Device (HID), netw ork system monitor (NSM), netw ork router, FDDI, concentrator, printer, and ecom.

Prerequisites: None
And one of the following: None

88932 DSR, Part I, Support Systems (DP31A)

Training Manager: AMA-470 Course Length: 12 hour(s)

This exam tests technical proficiency on the Display System Replacement (DSR) Support Systems. Support systems covered in the exam include console test bench, printer control unit, support equipment, and rack mounted processors.

Prerequisites: None
And one of the following: 48244, 43556

88933 DSR, Part II, Primary Systems (DP31B)

Training Manager: AMA-470 Course Length: 12 hour(s)

This exam tests technical proficiency on the Display System Replacement (DSR) Primary Systems. Primary systems coverred in the exam include the DSR control room maintenance, local area network (LAN), and rack-mounted processors.

Prerequisites: None
And one of the following: 48244, 43556

88934 DSR, Part III, Backup Systems (DP31C)

Training Manager: AMA-470 Course Length: 12 hour(s)

This exam tests technical proficiency on the Display System Replacement (DSR) backup systems. Backup systems covered in the exam include the backup communications network (BCN) and rack-mounted processors.

Prerequisites: None
And one of the following: 48244, 43556

88935 Tower Data Link Services, Type 2 (TDLS-2) (Dp32)

Training Manager: AMA-480 Course Length: 12 hour(s)

This exam tests proficiency on the Tower Data Link Services, Type -2 (TDLS-2) System.

Prerequisites: 40422
And one of the following: None

88936 ODAPS and OFDPS (DP33)

Training Manager: AMA-470 Course Length: 14 hour(s)

This performance examination measures the proficiency of the technical specialist on the Oceanic Display and Planning System (ODAPS) and Offshore Flight Data Processing System (OFDPS).

Prerequisites: None
And one of the following: None

88937 Stand Alone Weather Sensors (SAWS) (DP34)

Training Manager: AMA-480 Course Length: 5 hour(s)

This performance examination measures the proficiency of the technical specialist on the Stand Alone Weather Sensors (SAWS) System.

Prerequisites: 40428
And one of the following: None

88938 OASIS (DP35)

Training Manager: AMA-480 Course Length: 24 hour(s)

This exam tests proficiency on the Operational Supportability Implementation System (OASIS). Subjects include configuration, system operation, and technical procedures.

Prerequisites: None
And one of the following: None

88940 User Request Evaluation Tool (URET) System (DP37)

Training Manager: AMA-470 Course Length: 15 hour(s)

This exam tests proficiency on maintaining the URET System. Subjects include control room floor hardware, periodic and corrective maintenance, rack mounted hardware, periodic and corrective maintenance, and site support.

Prerequisites: None
And one of the following: 40445, 40446, 49042, 49043

88941 Automated Weather Sensors System (AWSS) (DP42)

Training Manager: AMA-480 Course Length: 5 hour(s)

This exam tests proficiency in the following areas of the AWSS; coordination procedures, OID terminal operations, present weather sensor, wind speed and direction, temperature and dew point visibility, day/night sensor, precipitation, ceilometer, barometric pressure, FDCU performance, TDAU checks, and maintenance and certification procedures.

Prerequisites: None
And one of the following: None

88942 ACE-IDS Remote Workstation Hardware Maintenance (DP38)

Training Manager: AMA-480 Course Length: 2 hour(s)

This exam tests proficiency on the ACE-IDS remote workstation. Subjects include data and power flow, operational status check, monitor and maintenance software, preventative maintenance procedures, removal and replacement procedures.

Prerequisites: None
And one of the following: 40439, 40442

88943 Enroute Gateway Communication System (DP39)

Training Manager: AMA-470 Course Length: 8 hour(s)

This exam tests proficiency on the ECG System. Subjects covered are monitoring of the ECG System, maintenance of the ECG System to the low est replaceable unit (LRU) level, administration of the ECG System, logging in/out of the ECG System, isolating and reintroducing devices, system diagnostics and troubleshooting, controlling device pow er, monitoring the ECG System, and administering the ECG file and drive Systems.

Prerequisites: None
And one of the following: 40448, 40449, 49272, 49273

88944 ATOP Hardware Maintenance (DP40)

Training Manager: AMA-470 Course Length: 16 hour(s)

This exam tests proficiency on the Advanced Technologies and Oceanic Procedures (ATOP) hardw are maintenance. Subjects include test bench operations, pow er up and pow er dow n procedures, operational status check, monitor and maintenance softw are, preventative maintenance procedures, diagnostic routines, removal and replacement procedures.

Prerequisites: None
And one of the following: 48381

88945 ATOP NAS/NOM Maintenance (DP41)

Training Manager: AMA-470 Course Length: 4 hour(s)

This exam tests proficiency on the Advanced Technologies and Oceanic Procedures (ATOP) as used by the NAS/NOM's. Subjects include pow er up and pow er dow n procedures, operational status check, monitor and maintenance softw are including simulations, certification procedures, printer and tape storage operations.

Prerequisites: None
And one of the following: 48379

89000 Automated Radar Terminal System IIA, Type FA-9020 (RP90)

Training Manager: AMA-460 Course Length: 40 hour(s)

This exam tests proficiency on the ARTS IIA Type FA-9020. Subjects include system familiarity, radar, beacon, video map, ARTS interface, acquisition processing cabinet (APC), data entry and display subsystem (DEDS), teletype (ASR-43, Paradyne Modem/Multiplexer, system operation, agency orders and NAS documents.

Prerequisites: None
And one of the following: None

89001 Automated Radar Terminal System (ARTS) IIIA (RP91)

Training Manager: AMA-460 Course Length: 60 hour(s)

This exam tests proficiency in the ARTS IIIA. The seven options tested in the exam include the ARTS IIIA System, input/output processor, memory CMA, RFDU, operational program, system performance, SRAP, digital sw eep generator, DEDS/MDBM, modem, peripheral adapter module, disk control unit, disk drive unit, medium speed printer, radar/ARTS IIIA interface, and card reader.

Prerequisites: None
And one of the following: None

89002 RCL High Density Terminal Facility Equipment (RP92)

Training Manager: AMA-440 Course Length: 40 hour(s)

The exam tests proficiency in the RCL high density terminal facility equipment. Subjects include RCL pow er plant, FR8 Microw ave Radio System, DTL 7300 multiplexing system, Coastcom channel bank, Fairchild M505M microw ave modem, and the ACORN Netw ork Control System.

Prerequisites: None
And one of the following: None

89003 SSR/DMTI for ARSR 1/2, ARSR 60, and FPS 20 (RP93)

Training Manager: AMA-440 Course Length: 10 hour(s)

This exam tests the proficiency in the SSR/DMTI for ARSR 1/1, ARSR-60, and FPS-20. Subjects include BITE, controls and fault indicators, pow er supply checks/adjustments, DMTI BITE tests, signal generator calibration, fault led and lamp test circuits, MDS check, MTI/log, video output levels, cancellation ratio, receiver video alignment, STC generator adjustment, range correlation of STC voltage, TR recovery time, MTI subclutter visibility test, dynamic range of receiver, STALO adjustments and checks, COHO checks and adjustments, PRF trigger timing and distribution, RF monitor adjust, and video distribution adjustments.

Prerequisites: None
And one of the following: None

89004 Air Route Surveillance Radar (ARSR)-3 (RP94)

Training Manager: AMA-440 Course Length: 4 hour(s)

This exam tests proficiency in the Air Route Surveillance Radar (ARSR)-3 Type FA-9200.

Prerequisites: None
And one of the following: None

89005 ASR-9 System (RP95)

Training Manager: AMA-450 Course Length: 51 hour(s)

This exam tests proficiency in the Airport Surveillance Radar (ASR)-9. Subjects include general information, receiver/processor unit 2/5 FA-10067/68, transmitter channel A/B unit 1/6 FA-10065, w eather receiver/SCIP unit 4 FA-100079, antenna assembly rotary joint unit 8 FA-10082, pedestal unit 9 FA-10083, radar antenna unit 10 FA-10081, antenna control unit 11 FA-1008, remote SCIP unit 22 FA-10087, dual remote SCIP unit 24 FA-10091, remote monitoring system unit 3 FA-10078, and maintenance display unit 7 FA-10080.

Prerequisites: None
And one of the following: None

89006 Common Digitizer-2A/B/C/D FA-9971/72/73/74 (RP96)

Training Manager: AMA-440 Course Length: 8 hour(s)

This exam tests proficiency in the Common Digitizer (CD)-2A/B/C/D. Subjects include inputs, outputs, digital sensitivity, system accuracy/timing, performance standards test, and operational parameter/functions.

Prerequisites: None
And one of the following: None

89007 Digital Bright Indicator Tower Equipment (DBRITE) (RP97)

Training Manager: AMA-460 Course Length: 6 hour(s)

This exam tests proficiency in the digital bright indicator tow er equipment (DBRITE). Subjects include display, DSC, overall system checks, built-in-test (BIT), and return system to normal operation.

Prerequisites: None
And one of the following: None

89008 Solid State Radar Beacon Decoder (SSRBD) (RP98)

Training Manager: AMA-440 Course Length: 4 hour(s)

This exam tests proficiency in the solid state radar beacon decoder (SSRBD). Subjects include AC pow er conditioner assembly, DC converter assembly alignment, input/output circuit card assembly alignment, timing analysis circuit card assembly (CCA) alignment, output CCA alignment, decoder control assembly (DCA), and verify that the SSRBD is operating w ithin tolerance.

Prerequisites: None
And one of the following: None

89009 Terminal Doppler Weather Radar (RP99)

Training Manager: AMA-440 Course Length: 15 hour(s)

This exam tests proficiency in the TDWR site entry, system MDT logon/logoff, TDWR System, radar product generator/remote and BDD, and safety. Study references are TI's 6560.22, 6560.24, 6560.31, 6560.32, 6560.60, and 6310.20.

Prerequisites: None
And one of the following: None

89010 AN/FPS-117 Minimally Attended Radar (MAR) (RP100)

Training Manager: AMA-440 Course Length: 40 hour(s)

This exam tests proficiency in system coordination, pow er distribution, performance checks, transceiver group, beacon, operational program, system fault analysis, and printed circuit board/line replaceable unit. Study References are TI's 21P6-2FPS117-2,-3,-21-1, -21-3 thru -6, -23-1 thru -4, -26WC-1, TI31S5-4-1516-1, and -13.

Prerequisites: None
And one of the following: None

89011 ARSR-4 (RP101)

Training Manager: AMA-440 Course Length: 16 hour(s)

This exam tests proficiency in system performance checks and maintenance tasks. Study References are order 6340.xx and TI's 6340.23, 6430.24, and 6340.29 thru 6340.38.

Prerequisites: None
And one of the following: None

89012 ARTS IIE Type FA-9020/A (RP102)

Training Manager: AMA-460 Course Length: 60 hour(s)

This exam tests proficiency on the enhanced ARTS IIE Type FA-9020/A System. The exam covers aircraft accident procedures coordination w ith air traffic for release and return of equipment, system familiarity, system operation, and system performance checks and maintenance tasks.

Prerequisites: None
And one of the following: None

89013 Automated Radar Terminal System IIIE (Enhanced) (RP103)

Training Manager: AMA-460 Course Length: 75 hour(s)

This exam tests proficiency on the enhanced ARTS IIIE System. The

exam is divided into two parts and covers aircraft accidents, coordination with air traffic for system release, common processor, tracking processor, ARTS Gateway, remote display multiplexer, radar/ARTS interface, system reconfiguration, CDR maintenance (local option), progrm version loading, ARTS IIIE overall system certification, subsystem interface, DIPS, FDAD, operation, and DIPS certification.

Prerequisites: None
And one of the following: None

89014 Mode Select (Mode-S) Beacon System (RP104)

Training Manager: AMA-450 Course Length: 40 hour(s)

This exam tests proficiency on the Mode-S Beacon System. Subject areas covered in the exam include aircraft accident procedures, coordination, facility drawings, system function and operation, interrogator function and operation, DPS, software maintenance functions, CPME, RIT computer, and antenna checks.

Prerequisites: None
And one of the following: None

89015 Micro-EARTS (RP107)

Training Manager: AMA-460 Course Length: 16 hour(s)

This performance examination measures proficiency of the technical specialist on the Micro-EARTS.

Prerequisites: 40607
And one of the following: None

89016 Airport Surface Detection Equipment (ASDE-3) (RP105)

Training Manager: AMA-440 Course Length: 12 hour(s)

This performance examination measures proficiency of the technical specialist on the Airport Surface Detection Equipment (ASDE-3) System.

Prerequisites: None
And one of the following: 40609, 40381

89017 AMASS and TAIU (RP106)

Training Manager: AMA-440 Course Length: 12 hour(s)

This performance examination measures proficiency of the technical specialist on the Airport Movement Area Safety System (AMASS) and the Terminal Automation Interface Unit (TAIU) associated with the ASDE-3 System.

Prerequisites: None
And one of the following: 40345, 40609

89018 Weather System Processor (WSP) (RP107)

Training Manager: AMA-450 Course Length: 6 hour(s)

This performance examination measures the proficiency of the technical specialist on the weather system processor (WSP).

Prerequisites: 40611
And one of the following: None

89022 Air Traffic Control Beacon Interrogator-6 (ATCBI-6) (RP112)

Training Manager: AMA-450 Course Length: 10 hour(s)

This examination tests proficiency on the Air Traffic Control Beacon Interrogator (ATCBI-6) System including: general operations; performance checks (transmitter, receiver, antenna, signal processor, control and monitor system, and the monopulse remote site monitor); and removal and replacement procedures.

Prerequisites: 42063, 44330
And one of the following: None

89023 Airport Surface Detection - Model X (ASDE-X) (RP113)

Training Manager: AMA-440 Course Length: 12 hour(s)

This exam test proficiency on the ASDE-X System. Subjects include system health status, primary detection (SMR), secondary detection, fixed target verification, and display capability.

Prerequisites: 48356
And one of the following: None

89024 ASR-11 System (RP114)

Training Manager: AMA-450 Course Length: 54 hour(s)

This exam tests proficiency in the Airport Surveillance Radar (ASR)-11. Subjects include general information, PSR/MSSR 1 receiver, transmitters, common equipment cabinet, antenna pedestal, surveillance data translator, digital video generator, control and maintenance console.

Prerequisites: 42069, 44329
And one of the following: None

89801 DME ASII Model 1118 (NP101)

Training Manager: AMA-420 Course Length: 6 hour(s)

This exam tests proficiency on the Distance Measuring Equipment (DME) ASII Model 1118 covering systems with enhanced remote maintenance monitoring (ERMM) and without ERMM. Subjects include operational requirements, measurement, module alignment, and certification requirements.

Prerequisites: None
And one of the following: None

89803 Wide Area Augmentation System (WAAS) (NP103)

Training Manager: AMA-420 Course Length: 12 hour(s)

This exam is in two sections: Section A for operators and Section B for maintainers. Section A, operator is 12 hours, Section B.1 O&M maintainer is 3 hours, Section B.2 WMS maintainer is 4 hours, and Section B.3 WRS maintainer is 4 hours. This exam tests proficiency in maintaining the WAAS Type FA-1400X. Subjects include verification, status, performance, and maintenance of WAAS, O&M, WMS, and WRS.

Prerequisites: None
And one of the following: 40293, 40294, 40295, 40296

89804 VHF Omni-Range Test Facility (VOT) for FA-10235 (NP104)

Training Manager: AMA-420 Course Length: 6 hour(s)

This exam tests proficiency for engineers and AF technicians on the VHF Omni-Range Test (VOT) Facility, FA-10235. Subjects include safety and system operations, test equipment setup, system interface, facility coordination, preventive maintenance, trouble-shooting and flight inspection.

Prerequisites: 45209
And one of the following: None

89805 LLWAS (NP105)

Training Manager: AMA-420 Course Length: 8 hour(s)

This exam tests proficiency in Low Level Windshear Alert System (LLWAS), Type FA-10239 and FA-10240. Subjects include system operation, transmission error count, windshear alarm and centerfield gust threshold, data fail alarm, anemometer checks, transmitter RF power and VSWR, transmitter frequency deviation, receiver checks, data storage/dump to tape, and calibration standards.

Prerequisites: None
And one of the following: None

89806 LLWAS NE++ (FA-10387) (NP106)

Training Manager: AMA-420 Course Length: 8 hour(s)

The exam tests proficiency in Low Level Windshear Alert System (LLWAS NE++), Type FA-10387. Subjects include safety, coordination, runway operations aircraft accident procedures, MMS logging procedures, tracing signal path, transmission error count, GPS connection, all stations comparison, system messages, controller ribbon displays, data fail indications, exchanging master station computers, signal analysis, remote station battery test, remote and master power supply tests, UWS thermocoupler operation, calibration and orientation of the UWS, checking the zip disk files, solar power unit, high mast pole equipment mounting ring, remote station data system address.

Prerequisites: None
And one of the following: None