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 w orld 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 w ithout 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 w orkplace 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 w ill observe real-w orld 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 w ill learn several strategies for prioritizing and scheduling operational and administrative duties. Special emphasis is placed on identifying common time w asters and components of effective time management.

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 dow nloadable 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 w ill apply the requirements of collective bargaining unit agreements as they relate to union and employee rights and responsibilities. Leaders w ill 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

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

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

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

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

05635 (CBI) Delphi Navigation

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

This course provides the basic knowledge for navigating the Delphi application and generating reports. This course also offers basic training in the following 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

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

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 Windows-based PC's. This course covers file systems, devices and drivers, and basic DOS/Windows networking capabilities.

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 worksite. This course is 2 hours computer-based instruction. There is no end-of-course exam.

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 with EDDA and protecting the agency from environmental liability.

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 with 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 awareness 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 who will 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 who 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 when 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 netw orking and devices. Topics include router configuration and management, VLANSs, IP routing, and netw ork 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 w ill cover the essentials of HP-UX as w ell 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 Pow erpoint, Explorer, and Outlook.

Prerequisites: None
And one of the following: None

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 know ledge and procedural skills associated w ith a particular element of eddy current inspections. Instructions w ill focus primarily on principles, techniques, technologies, and general equipment, rather than on any particular piece of hardw are 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 w as purchased from Integrated Logistics International. It w as 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 know ledge and procedural skills associated w ith a particular element of autopilot servos and approach coupling systems. Instructions w ill focus primarily on principles, techniques, technologies, and general equipment, rather than on any particular piece of hardw are or procedure. This course w as purchased from Integrated Logistics International. It w as 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 know ledge and procedural skills associated w ith a particular element of aircraft electronic communication and navigation systems. Instructions w ill focus primarily on principles, techniques, technologies, and general equipment, rather than on any particular piece of hardw are or procedure. This course w as purchased from Integrated Logistics International. It w as 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 know ledge and procedural skills associated w ith a particular element of ultrasonic inspections. Instructions w ill focus primarily on principles, techniques, technologies, and general equipment, rather than on any particular piece of hardw are 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 w as purchased from Integrated Logistics International. It w as 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, w ith 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 w as purchased from Integrated Logistics International. It w as 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, w itness interview s, 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

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 w hen 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 know ledge and procedural skills associated w ith a particular element of aircraft speed and configuration w arning and antiskid systems. Instruction w ill focus on general principles, techniques, and technologies associated w ith these systems, rather than on any particular piece of hardw are or procedure. This course w as purchased from Integrated Logistics International. It w as 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 w ill navigate each case through an entire enforcement information report (EIR) process and recommend a final sanction. These simulations w ere 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

25023 (CBI) Crew Resource Management

Training Manager: AMA-260 Course Length: 4 hour(s)

This course provides the student w ith 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

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

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 w as 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 w ith 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 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

27003 (CBI) B747-400 Abnormal Procedures

Training Manager: AMA-260 Course Length: 9 hour(s)

This course provides training for procedures follow ed by pilots w hen 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 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

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 w ith 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

27030 (CBI) Roles and Tools for the Airworthiness ASI

Training Manager: AMA-200 Course Length: 4 hour(s)

This course is for new airworthiness aviation safety inspectors (ASI). The material provides an overview of an airworthiness 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) airworthiness 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 airworthiness 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. Knowledge of computers and their importance to aircraft is essential to engineers and inspectors in the evaluation and oversight of the software development process. This is the first lesson of the software fundamentals course which provides the foundation for more advanced software courses.

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

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, whether 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

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 hardw are and softw are configuration, menus and Window s navigation, system administration and maintenance, netw ork 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 Sw itching 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 w orkstation operations. No student guide is provided w ith 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 w ith 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, w riting notes, and obtaining graded exam passw ords. 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) w ith four modules. Subjects include preventive maintenance and troubleshooting procedures w ith three modules for monthly, quarterly, and semiannual preventive maintenance tasks. A fourth module checks proficiency in simulated troubleshooting w ith 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) w ith four modules. Subjects include preventive maintenance and troubleshooting procedures w ith three modules that provide a refresher in monthly, quarterly, and semiannual preventive maintenance tasks. A fourth module checks proficiency in simulated troubleshooting w ith 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 Sw itching 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

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

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 w ho 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-w ith-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 w hich 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 w ho 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 Window s

NT operating system set up on a 486dx2/66 Mhz computer w ith mouse, 16Mb RAM, 2xcd-ROM, monitor w ith 256 colors, 640x480 resolution (800x600 recommended), and optional sound card w ith speakers or headphones. The course is 100% computer-based instruction (CBI). Subjects include Window s NT overview ; managing accounts and groups; files, printing, and netw orking interoperability; Window s 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/shutdow n procedures; radar channel selection; softw are installation; parameter changes; copy log files; periodic maintenance; troubleshooting; fault isolation; and corrective maintenance.

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 netw ork, operating the netw ork, and maintaining the netw ork.

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 Netw ork (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 netw ork multiplexer, Olektron A/B sw itch, 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 sw itch. The course is 100% computer-based instruction (CBI). Subjects include general communications theory, Hadex 4000 patch panel, Codex 3600 operation, and Olektron A/B sw itch 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 w ith 20 hours computer-based exercises (CBE). Self-study subjects include system overview , w orkstation user environment, UNIX, monitor, keyboard, trackball, tape drive, troubleshooting, and fault isolation procedures. CBE subjects include login, files and directories, basic commands, HP tools, w orkstation/file-server basics, addresses, diagnostic commands, troubleshooting, and fault isolation.

Prerequisites: None
And one of the following: None

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 Runw ay 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

47425 (CBI) CTAS Remote Site Maintenance

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

This course provides training for technicians and engineers w ho 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 Runw ay 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 w ho is responsible for w eather 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 w ill 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 w ho 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 w ill 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 w ho 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 w ill 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 w ith 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, & w ork center locations supporting NIMS EMS. Familiarity w ith 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 w ho 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 w ill 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 w ho 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 w ill 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 w ho 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 w ill 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 w ho 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 softw are. 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

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

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 w ith 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 sw itches. 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 sw itches. Laboratory subjects include mechanical maintenance and repair of engines (to include Kohler), electrical/electronic maintenance and repair of automatic transfer sw itches, and troubleshooting mechanical and electrical systems. Only for personnel w ith 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, pow er grounding, and electronic signal ground systems; bonding, shielding, and electrical inspection techniques for racew ay systems; conductors, w iring 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 pow er 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 pow er subsystems; VOR transmitter, goniometer, monitor and ground check; TACAN transponder, pow er amplifier, monitor and pow er 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 w eather. 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 betw een 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

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 w ith 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

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 w hen accidents, incidents, or other unusual events take place. Each module uses scenarios to provide details about the steps that must be completed w ithin 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 w ill 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 w ants; 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 know ledge and aw areness of procedures, rules, and terms associated w ith 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 w eather 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 workstations, cut-over switch 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 workstations, 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 two 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 who will be working with a new system designed with a Windows type graphical user interface (GUI) for interaction with the user. It covers basic Windows functions that are used in all types of Windows environments, such as menu structures, icons, and drag and drop features. It will also familiarize the student with basic terminology new to Windows 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 with the specific weather conditions and other circumstances that must exist before special VFR can be authorized. The controller will 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 will answer 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 hardware, 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 w ith 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 w ill review the criteria for applying these services. Students w ill be provided w ith 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 allow s controllers to think about w here 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 w ill 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 w ill learn about situational aw areness, 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 w ith a review of the terminology and procedures for coordinating use of airspace and transferring control of airspace. Items covered are w hen to coordinate, method for coordinating, w ho to coordinate w ith, w hen to transfer control, and w hen to assume control. The lesson presumes FPL know ledge.

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 runw ay incursions. Through interactive instruction and exercises, controllers w ill learn about maintaining tow er situational aw areness, 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 w ill consist of one lesson w hich w ill outline the critical elements of a visual and auditory scan of the controller's control area. The lesson w ill describe how an effective scan can help identify potential static and dynamic "hot spots" in airport operations. The lesson w ill 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 w ill be used to emphasize that large percentage of runw ay incursions are a result of readback/hearback errors. A communication model is presented that serves as a basis for reducing runw ay incursions. This model is used to analyze several runw ay 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) w hich 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 with 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 who have completed Course 55049, fundamentals of ATC On-The-Job Training Instruction. However, 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 works; 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 will 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 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 will 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 wind shear and which types of wind shear FAA systems detect. It then teaches how to operate the Ribbon Display Terminal (RDT) and the Situation Display (SD) terminal on integrated terminal weather system (itws). The training will 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 workplace 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 will learn several strategies for prioritizing and balancing operational and administrative duties. Special emphasis is placed on identifying common time wasters, 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 will 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 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: None
And one of the following: None

57301 (CBI) Severe Weather

Training Manager: AMA-530 Course Length: 4 hour(s)

This training includes the following 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 weather 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 software. This course provides training for all levels of access within CRU-Support and features hands-on practice within a simulated software environment. Topics covered in this course include: viewing your own information; changing your user name and password; 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 software 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 software suite. This course includes instruction for supervisors/CIC's as well 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 w ith the know ledge 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 w ith primary and secondary radar, know ledge of the basic radar procedures, and know ledge 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 w ill take the National Weather Service exam w hich requires a passing score of 80%. Students w ho 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 w ith 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, weather, 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 with scanning along with 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

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

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 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

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 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

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 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

62805 (IVT) Composite Materials

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: 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

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 overviews of technical topics in the airframe engineering curriculum. Participants will 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 working; 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 when, 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 overviews of technical topics in the airframe and systems engineering curriculum. Participants will be able to: determine whether 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 overviews of technical topics in the systems engineering curriculum. The participant will be able to: identify and use the appropriate FAR parts for reviewing the report; verify the validity of the aircraft lightning zones defined; determine whether 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 when 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 software change impact analysis to help in the classification of a softare 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

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 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 authoriztions.

Prerequisites: None
And one of the following: None

62825 (IVT) 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

62826 (IVT) 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 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 will deliver a detailed presentation of all aspects of wiring practices. It covers applicable 14CFR's, policy, and industry practices in the area of wiring. Primary factors associated with wire degradation will be introduced. Information on TC/STC data package requirements, wire selection and protection, routng, 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

62828 (IVT) Changed Product Rule - Awareness Briefing

Training Manager: AIR-510 Course Length: 3 hour(s)

The purpose of this awareness 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 what a changed product is and details possible exceptions an appliant 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 area, not contribute materially to the level of safety, and whether 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 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

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

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