

**06400 Introduction to Airport Development
(Correspondence)**

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

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

Prerequisites: None
And one of the following: None

06401 Airport Planning Criteria

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

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

Prerequisites: None
And one of the following: None

06402 Introduction to Airport Lighting, Marking, and NavAids

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

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

Prerequisites: None
And one of the following: None

07402 NAS F&E Project Materiel Management

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

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

F&E projects.

Prerequisites: None
And one of the following: None

**07403 Personal Property Management -
Correspondence**

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

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

Prerequisites: None
And one of the following: None

07404 Field Logistics Management

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

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

Prerequisites: None
And one of the following: None

07405 Motor Vehicle Fleet Management

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

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

Prerequisites: None
And one of the following: None

**07406 Excess Personal Property Disposition
(Correspondence)**

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

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

Prerequisites: None
And one of the following: None

07407 FAA Sales Contracting Officer (SCO) Training-Correspondence

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

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

Prerequisites: None
And one of the following: [07301](#), [07406](#)

07408 Automated Inventory Tracking System (AITS)- Correspondence

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

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

Prerequisites: None
And one of the following: None

14010 Briefing and Presentation Techniques

Training Manager: AHM-1 Course Length: 48 hour(s)

This course is for managers, staff personnel, and employees who have a responsibility for conducting briefings or orientations, and for all personnel who need to improve their oral communications skills.

The course consists of five lessons to be completed in approximately 15 weeks, and includes elements of the briefing process, determining objectives of a briefing, analyzing the audience, selection and use of visual aids, proper delivery techniques, practice and revision of delivery, and making the arrangements for the briefing.

Prerequisites: None
And one of the following: None

14014 Writing Improvement

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

The course consists of four lessons and deals with the fundamentals of writing improvement. Individual subjects include: arrangement of ideas and facts; writing sentences; writing paragraphs; using standard English in writing; writing letters; and organizing and writing formal reports.

Prerequisites: None
And one of the following: None

14018 On-The-Job Training (OJT) Techniques

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

This course is designed for OJT trainers and supervisors who have responsibilities for planning and conducting training on-the-job. Subject areas include the role of on-the-job training (OJT) needs and objectives, methods and techniques, training aids and instructional materials, learning and communicating, planning and conducting OJT appraisal of training processes, and OJT records and reports.

Prerequisites: None
And one of the following: None

14019 Staff Specialist

Training Manager: AHM-1 Course Length: 48 hour(s)

The course is for personnel who perform or desire to qualify for staff specialist work. The course consists of four lessons to be completed in approximately 15 weeks, and contains knowledge essential to the performance of completed staff work with emphasis on staff studies.

Prerequisites: None
And one of the following: None

14022 Principles of Instruction

Training Manager: AMA-300 Course Length: 36 hour(s)

This course is designed to provide a basic understanding of what is required to be an effective FAA instructor. It includes the qualities of a good instructor, the basic instructional methods, and the kinds of behavior that cause learning to take place. The course is divided into

six chapters and two lessons.

Prerequisites: None
And one of the following: None

14025 Effective Discipline in a Changing Workplace

Training Manager: AHM-1 Course Length: 48 hour(s)

This is a learner-centered, workplace-oriented, correspondence course for students who needs to know about current FAA policies regarding conduct and discipline issues. Topics include: a complete description of what constitutes conduct and misconduct; discipline and escalating penalties; appeals and grievances; informal discipline and grievance resolution; discipline and collective bargaining; and interpersonal tools that can be used to reduce discipline and grievance actions. The course uses active learning techniques and on-the-job (OJT) case studies. Students will use self-reporting, observation, data collection, and critical analysis as self-testing techniques.

Prerequisites: None
And one of the following: None

14027 Report Analysis and Consolidation

Training Manager: AHM-1 Course Length: 40 hour(s)

This course is open to employees at all levels, but the majority of students will be employees in staff functions or those who wish to enter staff or managerial positions. At the conclusion of training the student should be able to state the various purposes of reports and select the appropriate format for each of the major types of reports. The student will learn how to organize data in an orderly fashion and how to support the conclusions of the report, how to interpret common data presentation formats (graphs, charts, tables, etc.), and how to detect common errors in the interpretation of report results.

Prerequisites: None
And one of the following: None

14033 Interpersonal Skills for the Leadership Role

Training Manager: AHM-1 Course Length: 48 hour(s)

This is a student-centered, workplace-oriented correspondence course in interpersonal skills. It encompasses key aspects of interpersonal skills most pertinent to the leadership role. This course addresses the changing nature of work environments and the leadership function; maintaining objectivity in daily interactions; communicating expectations; listening, giving and receiving feedback; coaching; managing conflict; and self-assessment of interpersonal skills for formulation of a skills development plan. The course uses active learning techniques and on-the-job application. Learners will use self-reporting, observation, data collection, interviewing, and critical analysis.

Prerequisites: None
And one of the following: None

14038 Building Organizations and Managing Work

Training Manager: AHM-1 Course Length: 48 hour(s)

This course presents the FAA mission and helps FAA leaders advance that mission through everyday work. The course demonstrates how mission and goals guide development of organizational structure, work management, and leadership roles, and how basic skills of work analysis, planning, communication, and time management contribute to effective leadership. This course is designed for first-line supervisors, employees, or team members seeking advancement to leadership roles. Course topics include: organizations, missions, goals, objectives, and traditional and contemporary organizational structures. The course uses active learning techniques and workplace case studies.

Prerequisites: None
And one of the following: None

14040 Introduction to Basic Labor Relations

Training Manager: AHM-1 Course Length: 48 hour(s)

This is a learner-centered, workplace-oriented correspondence course for anyone who needs the introduction to basic labor relations. This course is aimed at providing a firm basis of knowledge in labor relations in an effort to better enable FAA employees to discharge their labor relations responsibilities. Modules in this course are overview, statute, agreement administration and grievances, and conduct and discipline.

Prerequisites: None
And one of the following: None

14041 The FAA Budget Process

Training Manager: AHM-1 Course Length: 48 hour(s)

This correspondence course will provide the historical background essential to understanding the reasons for budgeting and resource management in the federal service. It will also provide a thorough explanation of the federal budget process and the budget cycle as applied within the FAA. The intricate interrelationships among supervisory and management functions-at all levels with the FAA-and goals, objectives, and operations are explained. The evaluation of operational effectiveness and efficiency, as the basis for logical management of resources, is presented in its proper relationship to planning and budgeting. It is not intended as a training instrument for analysts but is intended as general development for all FAA employees.

Prerequisites: None
And one of the following: None

14600 Occupational Safety for Supervisors

Training Manager: AMA-400 Course Length: 3 hour(s)

This course provides training for supervisors concerning their responsibilities for maintaining safety in the workplace. The course is 100% correspondence study, utilizing a short video which identifies some noncompliance situations. Subjects include standards; how to plan and conduct a safety check; and how to report hazards, incidents, and unsafe conditions.

Prerequisites: None
And one of the following: None

14602 Awareness of Lockout/Tagout Procedures

Training Manager: AMA-400 Course Length: 3 hour(s)

This course provides awareness-level training for employees who service and maintain FAA potentially hazardous energy (PHE) equipment. It is also for those who operate PHE equipment or for those who supervise or inspect employees who service, maintain, and/or operate PHE. It describes the purpose and function of the FAA's Hazardous Energy Control Program in accordance with 29 CFR 1910.147; 29 CFR 1960; FAA Orders 3900.19A, 3900.6A, 3900.49, and Draft Order 3900.xxx, Appendix 3. This course is 85% correspondence study and 15% videotape 'Controlling the Beast'.

Prerequisites: None
And one of the following: None

14640 Awareness of Hazard Communication Procedures

Training Manager: AMA-400 Course Length: 3 hour(s)

This course provides awareness-level training for employees who work with or may work with hazardous chemicals. It describes the purpose of the FAA's hazard communication program. It covers OSHA and FAA requirements for written program, warning labels and how to interpret them, and how to read a material safety data sheet. All are in accordance with OSHA Standard 29 CFR 1910.1200 and FAA Order 3950. This course is 100% correspondence study.

Prerequisites: None
And one of the following: None

44001 Single Sideband Communications

Training Manager: AMA-410 Course Length: 25 hour(s)

This course provides training for technicians on single sideband communications. The course is 100% correspondence study with eight lessons. Subjects include modulated waves and their components, balanced modulators, sideband filters, methods of SSB generation, heterodyning, linear amplifiers, generation considerations, and application of SSB transmission and reception.

Prerequisites: None
And one of the following: None

44006 Basic Multichannel Recorder Theory

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the basic multichannel recorder. The course is 100% correspondence study with four lessons. Subjects include general concepts associated with analog and digital magnetic recording, recording heads, tape drive, and transport systems.

Prerequisites: None
And one of the following: None

44007 Telrad Administrative Telephone Systems (ATS)

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the Telrad Administrative Telephone System (ATS). The course is 100% correspondence study. Subjects include theory of operation instruction, laboratory equipment performance checks, and troubleshooting procedures.

Prerequisites: 47504, 88440
And one of the following: None

44009 DAS/RSD Operations

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

This course provides training for NAS managers on Data Acquisition Subsystem (DAS)/Real-time Status Display (RSD) operations. The course is 2 hours correspondence study and 14 hours automated training aids. Subjects include complete functional overview, data flow, alarm acknowledge procedures, and the loading and reloading of operational software.

Prerequisites: 88440
And one of the following: None

44014 Snow Depth Monitor (SDM) System.

Training Manager: AMA-420 Course Length: 35 hour(s)

This course provides training for technicians on the DME Corporation SDM System, Type FA-10330. The course is 100% correspondence study with field-conducted lab. Subjects include system overview, operation, and maintenance at the line replaceable unit level. Credit for the course requires successful completion of field-conducted lab and end-of-course exam.

Prerequisites: None
And one of the following: 40233, 40283

44015 Digital Altimeter Setting Indicator (DASI)

Training Manager: AMA-410 Course Length: 24 hour(s)
This course provides training for technicians on the DASI System. The course is 100% correspondence study. Subjects include functional and operational analysis of the overall operation of computer controlled circuits.

Prerequisites: None
And one of the following: None

44017 Motorola Linear Power Amplifier

Training Manager: AMA-410 Course Length: 16 hour(s)
This course provides training for technicians on the Motorola 50 watt linear power amplifier. The course is 100% correspondence study. Subjects include overview, installation and integration, operation, theory of operation, periodic maintenance, and warranty repair.

Prerequisites: 47504
And one of the following: None

44019 Motorola CM-200 Overview

Training Manager: AMA-410 Course Length: 2 hour(s)
This course provides training for technicians and NAS managers on VHF and UHF transmitters and receivers, Model CM-200. The course is 100% video tape with student guide. Subjects include overview, installation, operation, maintenance, and warranty repair.

Prerequisites: None
And one of the following: None

44020 Introduction to Computers

Training Manager: AMA-470 Course Length: 80 hour(s)
This course provides training for technicians and engineers on basic computer operations. The course is 100% correspondence study. Subjects include data processing, computer components and devices, interactive processing, input and output techniques, interfacing systems, processor unit functions, auxiliary storage, data manipulation, various communication protocols and techniques, software applications, programming languages and their uses, operating systems and their software, designed analysis of computer systems, computer systems projects, their coding and implementation, programming techniques, using the Internet and basic network operations.

Prerequisites: None
And one of the following: None

44021 VTABS Power Subsystem

Training Manager: AMA-410 Course Length: 24 hour(s)
This course provides training for technicians on the power subsystem for the VSCS Training and Backup System (VTABS) manufactured by Peco II, Incorporated. The course is 100% correspondence study. Subjects include introduction, physical and technical description, controls and indicators, power up and power down procedures, maintenance procedures, removal and replacement LRU's, and preventive maintenance for batteries used in the system.

Prerequisites: None
And one of the following: None

44023 VSCS Emergency Access Radio System (VEARS)

Training Manager: AMA-410 Course Length: 40 hour(s)
This course provides training for technicians and NAS managers involved in the operation or maintenance of VSCS and VEARS. The course is 100% correspondence study. Subjects include purpose, overview, configuration and features; technical description, operation, controls and indicators; maintenance procedures and performance checks; installation, integration, and checkout procedures.

Prerequisites: None
And one of the following: None

44024 PET-2000 Radio Transceiver

Training Manager: AMA-410 Course Length: 40 hour(s)
This course provides training for AF and at personnel on the operation and maintenance of the Portable Emergency Transceiver-2000 (PET-2000). The course is 100% correspondence study. Subjects include overview of the frequencies, range, power, and modes of operation; installation procedures; detailed adjustment procedures; and performance check procedures, fault isolation, and removal of faulty line replaceable units (LRU).

Prerequisites: None
And one of the following: None

44025 Recovery Communications (RCOM) Operator

Training Manager: AMA-410 Course Length: 20 hour(s)
This course provides training for personnel who will operate the Recovery Communications (RCOM) System. The course is 16 hours self-study text and 4 hours computer-based exercises (CBE). Self-study subjects include RCOM purpose and function, equipment and

component identification and purpose, system software identification and operation, and system startup/shutdown procedures. CBE subjects include system operation procedures, startup/shutdown, and alarm and alert notifications.

Prerequisites: None
And one of the following: None

44026 Recovery Communications (RCOM) Maintenance

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for field maintenance technicians, technical support specialists, and system specialists who are responsible for maintaining the Recovery Communications (RCOM) System. The course is 36 hours self-study text and 4 hours computer-based exercises (CBE) with a paper-based exam. Self-study subjects include RCOM purpose and function, equipment and component identification and purpose, system software identification and operation, startup/shutdown procedures, and troubleshooting. CBE subjects include system operation procedures, fault isolation, and bit testing.

Prerequisites: None
And one of the following: None

44027 Back-Up Emergency Communications (BUEC) - Remote Site

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on BUEC Transceivers and Control Systems, Types FA-8190 and FA-8191. The course is 56 hours computer-based instruction (CBI) and 8 hours of field-conducted laboratory. CBI subjects include introduction, control equipment, BUEC transmitter, and BUEC receiver. Lab subjects include coordination of maintenance activities with ATC, BUEC transmitter alignment and performance checks, and BUEC receiver alignment and performance checks.

Prerequisites: None
And one of the following: None

44028 Back-Up Emergency Communications (BUEC) - ARTCC

Training Manager: AMA-410 Course Length: 32 hour(s)

This course provides training for technicians on the BUEC transmitter and receiver, Remote Control Group, Types FA-8192, FA-8193, and FA-8194. This course is 24 hours correspondence study and 8 hours of field-conducted laboratory. Correspondence study subjects include an introduction to the equipment and remote control group. Lab subjects include coordination of maintenance activities with ATC, select command and transmitter keying checks, power supplies check, transmit audio and audio keying level adjustments, and

maintenance panel operation.

Prerequisites: None
And one of the following: None

44029 C3 VHF/FM Handheld Radio End User

Training Manager: AMA-410 Course Length: 4 hour(s)

This course provides handheld radio users with the required familiarity and basic maintenance instruction to successfully operate the Motorola XTS-3000. The course is 2 hours correspondence study and 2 hours computer-based instruction (CBI).

Prerequisites: None
And one of the following: None

44100 Engines

Training Manager: AMA-430 Course Length: 80 hour(s)

This course provides training for technicians on engine generator sets. The course is 100% correspondence study. Subjects include theory of internal combustion engines, valve systems, carburetion, ignition, cooling, lubrication, fuels, combustion, engine auxiliaries, and control panels.

Prerequisites: None
And one of the following: None

44102 Diesel Engine Generators

Training Manager: AMA-430 Course Length: 45 hour(s)

This course provides training for technicians on engine generator sets. The course is 100% correspondence study. Subjects include theory of diesel engines, basic principles, concepts, terminology, and definitions of diesel engine generators and associated control panels, including basic diesel engine operation, fuel systems, governors, and control panels.

Prerequisites: None
And one of the following: None

44112 Flasher System FA-9989

Training Manager: AMA-430 Course Length: 64 hour(s)

This course provides training for technicians and engineers on the MALSR/REIL Master Timer, Type B, I, II, and III flashers. The course is 100% correspondence study with seven lessons. Subjects include system and circuit analysis, evaluation, repair, and preventive maintenance.

Prerequisites: None
And one of the following: 44111, 47600, 44117

44113 MALS/RAIL/REIL

Training Manager: AMA-430 Course Length: 120 hour(s)

This course provides training for technicians and engineers on the runway end identifier lighting (REIL) systems and medium-intensity approach lighting systems (MALS) with runway alignment indicator lights (RAIL) visual landing aid systems. The course is 100% correspondence study with 11 lessons. Subjects include theory, preventive, and corrective maintenance on the following systems: MALSR's and REIL's, Model/Type REIS, Sylvania REIL-2, Sylvania REIL FA-9437, Godfrey REIL FA-9628, MALS/RAIL Multi-Electric MALSR FA-8767, Sylvania MALSR FA-8982, and SEPCO MALSR FA-9629.

Prerequisites: None
And one of the following: 44111, 47600, 44117

44114 High Intensity Approach Lighting Systems (ALS)

Training Manager: AMA-430 Course Length: 128 hour(s)

This course provides training for technicians and engineers on ALS substations and sequenced flashers. The course is 100% correspondence study with five lessons. Subjects include theory, preventive, and corrective maintenance on the Westinghouse FA-1772, General Electric GEI-89310, single phase heavy-duty 3CRSBA, and Sylvania sequenced flasher systems.

Prerequisites: None
And one of the following: 44111, 47600, 44117

44115 Precision Approach Path Indicator (PAPI) Maintenance

Training Manager: AMA-430 Course Length: 64 hour(s)

This course provides training for technicians and engineers on the soncraft PAPI, Type FA-10147. The course is 100% correspondence study with 12 lessons. Subjects include system configuration, adjustments for initial installation, circuit analysis, evaluation, preventive maintenance, performing alignments, and routine performance checks.

Prerequisites: None
And one of the following: 44111, 47600, 44117

44116 CCMS Maintenance

Training Manager: AMA-430 Course Length: 100 hour(s)

Course provides training for technicians and engineers on the Central

Control and Monitoring System (CCMS). The course is 70% correspondence study and 30% field-conducted lab. Correspondence study subjects include: system architecture and operations; DGP/BCC communications; DGP operations; and workstation operation and maintenance. Field conducted laboratory subjects include: system components; workstation operation; system operations; utilities and diagnostics; and PCL programming. Satisfactory completion requires two exams and a certificate from the system tutorial.

Prerequisites: None
And one of the following: None

44117 Environmental Electrical Concepts

Training Manager: AMA-430 Course Length: 120 hour(s)

This course provides training for technicians on environmental electrical concepts. The course is 100% correspondence study. Subjects include safety, concepts of electricity/magnetism, batteries, electrical conductors, alternating current and vector analysis, basic electrical indicating instruments, transformers, generators, motors, control devices and circuit diagrams, and magnetic amplifiers.

Prerequisites: None
And one of the following: None

44118 Visual Approach Slope Indicator (VASI)

Training Manager: AMA-430 Course Length: 64 hour(s)

This course provides training for technicians and engineers on VASI West Tech FA-9330, DISAN FA-9873, SEPCO FA-9458, SEPCO FA-9458B, and West Tech FA-9458A. The course is 56 hours correspondence study and 8 hours field-conducted lab with a supervised final exam. Correspondence study subjects include operational characteristics, assemblies, subassemblies, performance checks, maintenance, alignment, adjustments, and troubleshooting. Field-conducted lab is conducted on the equipment at the field facility. This course includes a supervised final examination.

Prerequisites: None
And one of the following: 44111, 44117, 47600

44202 Vacuum Tube Circuits

Training Manager: AMA-410 Course Length: 30 hour(s)

This course provides training for technicians on vacuum tubes and their circuit application. The course is 100% correspondence study with three lessons. Subjects include vacuum tube circuit analysis, graphical analysis of vacuum tube circuits, equivalent circuits, basic amplifier types, and circuit operation.

Prerequisites: None
And one of the following: None

44208 Runway Visual Range (RVR) Equipment, FA-7861

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for technicians on the RVR (SSR), Type FA-7861. The course is 100% correspondence study. Subjects include transmissometer system, introduction to RVR computer, and printed circuit modules.

Prerequisites: 47504
And one of the following: None

44212 Remoting Equipment for VHF/UHF Direction Finder (DF)

Training Manager: AMA-410 Course Length: 23 hour(s)

This course provides training for technicians on basic remoting system. The course is 100% correspondence study with two lessons. Subjects include overall block diagram approach, requirements for control lines and hybrid units necessary to transmit the digital information over phone lines from the control station to the Remote site, frequency shift operation concepts, logic principles and circuitry applicable to the remoting equipment.

Prerequisites: 47504
And one of the following: None

44215 Distance Measuring Equipment (DME) Principles

Training Manager: AMA-420 Course Length: 24 hour(s)

This course provides training on distance measuring equipment in general. The course is 100% correspondence study. Subjects include DME concepts, terminology, theory of operation, familiarization of the various units of the DME system consisting of the transponder, monitor, test unit, and the control unit, and an analysis of the system functional block diagram. This course has two lessons and a supervised final. The course is a prerequisite for all stand-alone DME equipment courses.

Prerequisites: None
And one of the following: None

44216 LORAN-C Monitor (FA-10232)

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for technicians on the LORAN-C monitor/receiver, FA-10232. The course is 100% correspondence study with four modules. Subjects include operation, software/hardware overview, troubleshooting, and periodic maintenance. OJT practical exercises, exam, and the four modules are required for successful completion.

Prerequisites: None
And one of the following: None

44217 Direction Finder 5530 and Remoting Equipment 5571/5572

Training Manager: AMA-410 Course Length: 40 hour(s)

This course provides training for technicians on the 5530 direction finder (DF) and the 5571/5572 direction finder remoting equipment (RDF). The course is 100% correspondence study with seven lessons. Subjects for DF equipment include doppler theory, Antenna System, receiver, data extractor, local and remote indicators, time domain filter, bearing evaluator monitor, and air ground adapter. Subjects for the remoting equipment include FSK theory, control, and data systems. A basic understanding of vacuum tubes and transistor operations is helpful.

Prerequisites: None
And one of the following: None

44218 Non-Directional Beacon (NDB) System

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides training for technicians on the Scientific Radio System NDB, FA-9589. The course is 100% correspondence study with 13 lessons. Subjects include the remote monitor receiver, station transmitter, use of the facility input/output terminals (IOT), the antenna tuning unit, and antenna. Graded practical sessions are used to develop skills in performing alignment, fault diagnosis, and routine checks on the NDB System.

Prerequisites: 47504
And one of the following: None

44219 VORTAC Enhancements, FA-9996

Training Manager: AMA-420 Course Length: 20 hour(s)

This course provides training for technicians on the VHF Omirange Tactical Air Navigation (VORTAC) enhancement kit for the Type FA-9996 VORTAC System. The course is 100% correspondence study. Subjects include technical description and purpose of enhancements, enhancement operations and data screen changes, and periodic and corrective maintenance.

Prerequisites: 44216, 47701
And one of the following: None

44220 RMVC/2nd Gen VORTAC Overview for MCC Specialists

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for system performance specialists and computer operators on monitoring the 2nd Gen VORTAC using the Interim Monitor Control System (IMCS) through the Remote Maintenance VORTAC concentrator (RMVC). The course is 50% correspondence study and 50% field-conducted lab training. Correspondence study subjects include the IMCS application to remotely monitor and control 2nd Generation VORTAC facilities, as part of the Remote Maintenance Monitoring System. Field-conducted lab subjects include exercises at the MCC terminals.

Prerequisites: None
And one of the following: None

44221 GPS Concepts

Training Manager: AMA-420 Course Length: 40 hour(s)

This course provides training for personnel on Global Positioning System (GPS) concepts. The course is 100% correspondence study and includes a supervised open-book final exam. Subjects include GPS overview, ranging, navigation data message, satellite signal structure and receiver processing, GPS errors, and differential GPS.

Prerequisites: None
And one of the following: None

44222 Teledyne RVR, Type 10268/1-6

Training Manager: AMA-420 Course Length: 12 hour(s)

This course provides theory training for airway facilities personnel on the Runway Visual Range, Type 10268/1-6. This course is 12 hours correspondence study. Subjects include a system overview, visibility sensor (VS), ambient light sensor (ALS), current sensors (CS), sensor interface electronics (SIE), data processing unit (DPU), controller display (CD) operations, standards, and tolerances, and periodic maintenance procedures. Course requires TI 6560.17, 6560.31, and 6990.2 for reference.

Prerequisites: None
And one of the following: None

44223 WAAS O&M Equipment (Theory)

Training Manager: AMA-420 Course Length: 60 hour(s)

This course provides theory training for airway facilities technicians and engineers on the WAAS operations and maintenance (O&M) equipment. This course is 60 hours correspondence study. Subjects include an introduction to WAAS, use of the interactive electronic technical manual (IETM), a description of WAAS components at all sites including interfaces and purpose of all line replaceable units (LRUs), and an emphasis on corrective maintenance procedures for the O&M subsystem.

Prerequisites: 44221, 88440, 88441
And one of the following: None

44224 WAAS Operator (Theory)

Training Manager: AMA-420 Course Length: 120 hour(s)

This course provides theory training for airway facilities technicians and engineers that are WAAS operators. This course is 120 hours correspondence study. Subjects include an introduction to WAAS, use of the interactive electronic technical manual (IETM), a description of WAAS components at all sites including interfaces and purpose of all line replaceable units (LRUs), corrective maintenance procedures for the WRS, WMS, and O&M Subsystem, GEO Uplink Subsystem, and all WAAS System operations. This course requires a final supervised exam for completion.

Prerequisites: 44221, 88440, 88441
And one of the following: None

44225 WAAS WRS Equipment (Theory)

Training Manager: AMA-420 Course Length: 60 hour(s)

This course provides theory training for airway facilities technicians and engineers that maintain the WAAS wide area reference station (WRS) equipment. This course is 60 hours correspondence study. Subjects include an introduction to WAAS, use of the interactive electronic technical manual (ietm), a description of WAAS components at all sites including interfaces and purpose of all line replaceable units (LRUs), and an emphasis on corrective maintenance procedures for the WRS. This course requires a final supervised exam for completion.

Prerequisites: 44221, 88440, 88441
And one of the following: None

44226 WAAS WRS/WMS Equipment (Theory)

Training Manager: AMA-420 Course Length: 80 hour(s)

This course provides theory training for airway facilities technicians and engineers that maintain the WAAS wide-area reference station/wide-area master station (WRS/WMS) equipment. This course is 80 hours correspondence study. Subjects include an introduction to WAAS, use of the interactive electronic technical manual (ietm), a description of WAAS components at all sites including interfaces and purpose of all line replaceable units (LRUs), and an emphasis on corrective maintenance procedures for the WRS and WMS. This course requires a final supervised exam for completion.

Prerequisites: 44221, 88440, 88441
And one of the following: None

44300 Introduction to Radar Techniques

Training Manager: AMA-450 Course Length: 100 hour(s)

The course provides review, preparation, or supplemental training for technicians and engineers on radar. The course is 100% correspondence study with a supervised final exam. Subjects include introduction to NAS, brief history of radar, block diagram of a typical radar, pulse terminology, the ideal pulse, limitations to transmitting the ideal pulse, the radar range equation, factors that limit minimum or maximum range waveguides, auxiliary waveguide components, crystal mixers, secondary radar systems. This course is not equivalent to courses 40392 or 42058.

Prerequisites: None
And one of the following: None

44317 Digital Defruiter

Training Manager: AMA-450 Course Length: 32 hour(s)

This course provides training for technicians on the Digital Defruiter, Type MX 8757. The course is 100% correspondence study with a final exam. Subjects include functional analysis, including overall system operation, detailed analysis of data flow, schematics, logic diagrams, system alignment, maintenance techniques, and troubleshooting.

Prerequisites: None
And one of the following: 40335, 45309, 45310

44320 Secondary Radar Principles

Training Manager: AMA-450 Course Length: 40 hour(s)

This course provides training for technicians (who plan to attend ATCBI or Mode S training) on beacon systems. The course is 100% correspondence study with six chapters and a supervised final exam. Subjects include radar beacon systems, transmitters and receivers, antennas, transponders, ATCBI problems, and Mode S Beacon System.

Prerequisites: None
And one of the following: None

44321 Microwave Communications Link Principles

Training Manager: AMA-440 Course Length: 120 hour(s)

This course provides training for technicians and engineers on microwave communications link equipment. The course is 100% correspondence study with a final exam. Subjects include an overview of FAA microwave communications link systems; general system concepts and basic block-diagram analysis; principles of microwave communications link operation common to both terminal and repeater facilities, such as amplitude and frequency modulation, single-sideband communications, multiplexing techniques and modulation plans, frequency translation techniques, system performance analysis, and mathematics for microwave communications.

Prerequisites: None
And one of the following: None

44323 Radar Beacon Performance Integral System Monitor

Training Manager: AMA-440 Course Length: 64 hour(s)

This course provides training for technicians on the Radar Beacon Performance Integral System Monitor. The course is 100% correspondence study with a final exam. Subjects include system concepts, interface with beacon systems, system tolerances, control circuits, monitor circuits, system alignment, and performance analysis.

Prerequisites: None
And one of the following: 40339, 45309, 45310

44325 Introduction to Radar Optimization

Training Manager: AMA-450 Course Length: 120 hour(s)

This course provides training for technicians, engineers, and system performance specialists on primary and secondary radar systems. The course is 100% correspondence study. Subjects include optimization fundamentals related to terminal and en route primary and secondary radar, antenna systems, transponders, and flight check and commissioning inspections. FAA Order 6300.13, Radar System Optimization and Flight Inspection Handbook is used as a primary study manual. Completion of this course is required prior to enrollment in course 40310 as this course serves as the first part of 40310.

Prerequisites: 44320
And one of the following: None

44326 Digital Video Mapper

Training Manager: AMA-450 Course Length: 8 hour(s)

This course provides training for technicians and engineers on the digital video mapper equipment. The course is 100% correspondence study. Subjects include description, components, basic and detailed circuit operation, corrective and preventive maintenance activities, alignments, and system installation.

Prerequisites: None
And one of the following: None

44327 Rms/MPS Interface Computer (Rmic)

Training Manager: AMA-440 Course Length: 8 hour(s)

This course provides training for technicians, engineers, and FAA Technical Center Personnel on the RMIC equipment. The course is 100% correspondence study. Subjects include operation, corrective maintenance procedures, and maintenance procedures.

Prerequisites: 40381
And one of the following: None

44328 Mode S BVR Hardware Maintenance

Training Manager: AMA-450 Course Length: 16 hour(s)
This course provides training for technicians on the Mode S Beacon Video Reconstitutor (BVR). The course is 3 hours self-study with 13 hours of computer exercises. Subjects include system operation, functional overview, functional description of site adaptation parameters (SAP), routine check (monitoring system operations), troubleshooting, reacting to failures, restoration after failures, preventive maintenance, diagnostic checks, definitions of messages, fault isolation, verifying program logic devices on boards, changing into and out of the interim beacon interrogator mode (Mode S backup), and ARTS IIA/modes s interface.

Prerequisites: None
And one of the following: 40392, 42058, 88360

44329 ASR-11 Hardware Maintenance

Training Manager: AMA-450 Course Length: 60 hour(s)
This course provides training for technicians, engineers, system performance specialists, FAA Technical Center personnel, and developmental technicians on ASR-11 primary surveillance radar (PSR) and monopulse secondary surveillance radar (MSSR). This course is 100% correspondence study with a computer simulation training aid (shipped with course materials) and two written exams. Subjects include PSR and MSSR theory of operation, block diagram signal flow, monopulse, false target elimination, MTD process, tracking, and troubleshooting. Completion of this course is required prior to enrollment in course 42069 as this course serves as the first part of 42069.

Prerequisites: 42058
And one of the following: None

44330 Air Traffic Control Beacon Interrogator-6 (ATCBI-6)

Training Manager: AMA-450 Course Length: 24 hour(s)
This course provides training for technicians and engineers who maintain and repair the ATCBI-6 System. This course is 24 hours correspondence study with a computer simulation that is packaged with the materials. The course covers basic radar theory, monopulse theory, CMS terminal operation, equipment description, system operation, configuration, and preventive maintenance. Completion of this course is required prior to enrollment in course 42063 as this course serves as the first part of 42063.

Prerequisites: 42058
And one of the following: None

44331 Motorola FT100S Data Service Unit/Channel Service Unit

Training Manager: AMA-440 Course Length: 24 hour(s)
This course provides training for installation and maintenance personnel on the Motorola FT100S Data Service Unit/Channel Service Unit (DSU/CSU). The course is 100% correspondence study with a final exam. It provides guidelines for implementing a national interface standard that connects the TDWR to the ITWS, using the Motorola FT100S DSU/CSU in conjunction with the Microwave Communications, Inc. (MCI) Lincs T1 Transmission Network. Subjects include functional/physical descriptions of the DSU/CSU, installation procedures, hardware configuration, option selection, maintenance/troubleshooting procedures, specifications, and a T1 overview on the North America T1 Digital T-Carrier System.

Prerequisites: None
And one of the following: None

44332 Motorola 3261FAST V.34 Modem

Training Manager: AMA-440 Course Length: 24 hour(s)
This course provides training for installation and maintenance personnel on the Motorola 3261FAST V.34 MODEM. The course is 100% correspondence study with a final exam. It provides guidelines for implementing a national interface standard connecting the AN/WSR-88 NEXRAD to the ITWS, using the Motorola 3261FAST V.34 Modem in conjunction with the Microwave Communications, Inc. (MCI) Lincs Transmission Network. Subjects include functional/physical descriptions of the Modem, installation/configuration procedures, testing/troubleshooting procedures, interface and cabling pinouts, and specifications.

Prerequisites: None
And one of the following: None

44333 WSP for TRACONS

Training Manager: AMA-450 Course Length: 24 hour(s)
This course provides training for AF technicians, engineers, and technical center personnel on WSP for TRACONS. This course is 24 hours correspondence study with on-site labs and a supervised end-of-course exam. Subjects include system theory of operation, preventive and corrective maintenance actions, and operation of the maintenance display screens.

Prerequisites: 88440, 88441
And one of the following: None

44334 Airport Surveillance Radar Model 9 (ASR-9)

Training Manager: AMA-450 Course Length: 240 hour(s)
This course provides training for technicians and engineers on the Airport Surveillance Radar Model 9 (ASR-9). The course is 100%

correspondence study with a computer simulator. The correspondence study portion consists of the ASR-9 theory of operation, which includes signal flow and fault analysis. An ASR-9 simulator is included that will be installed on the student's PC, in which the student will complete various exercises. The student's supervisor will administer four written open-book exams requiring an overall average grade of 70% or better for satisfactory completion.

Prerequisites: 42058
And one of the following: None

44335 Remote Monitoring and Control (RMC)

Training Manager: AMA-440 Course Length: 24 hour(s)

This course provides training on the remote monitoring and control (RMC) equipment. Subjects include a functional description of the equipment, remote monitoring and control (RMC) hardware functions, uninterruptible power supply (UPS) hardware and operations, maintenance data terminal (MDT) operations, and RMC corrective maintenance.

Prerequisites: None
And one of the following: None

44336 TDX 2000 Digitizer

Training Manager: AMA-440 Course Length: 48 hour(s)

This course provides training for airway facilities technicians, engineers, system performance specialists, and Technical Center personnel on the TDX 2000 Sensus Digitizer. The course is 30 hours correspondence study with 18 hours of field conducted laboratory. Correspondence study subjects include equipment theory, operations, configuration, preventive maintenance, corrective maintenance, and other hardware information. Lab subjects include operations, preventive maintenance, corrective maintenance, and troubleshooting.

Prerequisites: 42058
And one of the following: None

44338 NAV Canada - FAA Pseudo Radar Site Equip. Phase 2

Training Manager: AMA-440 Course Length: 6 hour(s)

This course provides an overall description of the equipment, its components, and functions. This course is 100% correspondence study with a final exam at the end of the course that covers the entire course. The course will prepare the AF systems specialist to maintain, troubleshoot and restore the PRP2 remote site equipment to service; as well as to follow the removal and replacement procedures established between NAV Canada and the FAA.

Prerequisites: None
And one of the following: None

44339 STARS for Supervisors

Training Manager: AMA-490 Course Length: 8 hour(s)

This course provides training for NAS managers and supervisors on the STARS. This course is 8 hours correspondence study. Subjects include an introduction to STARS, SOS operation, and support functions. This course includes a final examination. Course materials will be shipped on a CD-ROM.

Prerequisites: None
And one of the following: None

44340 Sony Data Display Monitor (DDM) Maintenance

Training Manager: AMA-490 Course Length: 24 hour(s)

This course is taught as a prerequisite of the STARS maintenance course. This course is 100% correspondence study with a final exam at the end of the course that covers the entire course. This course provides training for airway transportation systems specialists, electronic technicians, engineers, NAS managers, SPS's, FAA Technical Center personnel, and developmental technicians on the Sony DDM.

Prerequisites: None
And one of the following: None

44423 Maintenance Automation System Software (MASS)

Training Manager: AMA-480 Course Length: 32 hour(s)

This course provides training for air transportation systems specialists, engineers, and NAS/NOM personnel who are responsible for monitoring and controlling the National Airspace System hardware through the monitor and control function (MCF) of MASS. The course is 100% correspondence study with practice exercises that use the fielded MASS/MCF software on an MC workstation/MDT connected to an OKC MPS System. Subjects include the MASS environment, monitoring subsystem status, subsystem parameters, remote control actions, and customizing features. Students must have knowledge of Windows 95 to complete the training. They should review the Windows 95 tapes on file at their site.

Prerequisites: None
And one of the following: None

44436 PAMRI Overview for Computer Operators

Training Manager: AMA-470 Course Length: 3 hour(s)

This course provides training for technicians on the Peripheral Adapter Module Replacement Item (PAMRI) system. The course is 100% correspondence study with an open book final exam. Subjects include hardware, software, and functional characteristics. This course is a prerequisite for all PAMRI training courses.

Prerequisites: None
And one of the following: None

44438 Radar Data Acquisition Subsystem (RDAS)

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides training for technicians and engineers on Radar Data Acquisition Subsystem principles (primary radar, secondary radar, Mode S, and digitizers). The course is 100% correspondence study. Subjects include flow of radar data from the radar facility to the ARTCC, including reports from various analysis programs (QARS, EQARS, BFTA, and TDR).

Prerequisites: 47207
And one of the following: None

44439 IBM 6400 Line Matrix Printer

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for technicians, engineers, SPS's, FAA Technical Center personnel, and developmental technicians on the IBM 6400-05P line matrix printer. The course is 100% correspondence study. Subjects include theory of operation, maintenance procedures, diagnostics, and replacement and repair procedures. Students are required to perform exercises in printer setup, adjustment, and replacement/repair. Additional information is given in an addendum for the IBM 6400 P50, and 6400 050 printers.

Prerequisites: None
And one of the following: None

44440 DARC for Technicians, Delta Phase 1

Training Manager: AMA-470 Course Length: 24 hour(s)

This course provides Delta training for technicians on the DARC System, Type FA-9665, Phase 1 Display Processor (DP) replacement. The course is 100% correspondence study. Subjects include DP configuration changes, support console, and maintenance and diagnostic (M&D) changes.

Prerequisites: 43519
And one of the following: None

44441 DARC Software Specialists, Delta Phase 1

Training Manager: AMA-470 Course Length: 24 hour(s)

This course provides Delta training for system performance specialists on the DARC System, Type FA-9665, Phase 1 Display Processor (DP) replacement. The course is 100% correspondence study. Subjects include DP configuration changes, support console, and maintenance and diagnostic (M&D) changes.

Prerequisites: 43520
And one of the following: None

44442 DARC Operations, Delta Phase 1

Training Manager: AMA-470 Course Length: 8 hour(s)

This course provides Delta training for NAS managers on the DARC System, Type FA-9665, Phase 1 display processor (DP) replacement. The course is 100% correspondence study. Subjects include DP configuration changes and support console messages.

Prerequisites: 43006
And one of the following: None

44443 Maintenance Management System for Users

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides training for technicians and engineers on the Maintenance Management System (MMS). The course is 100% correspondence study. Subjects include using the maintenance terminal and all MMS functions. This course will be available the second quarter of FY-2001.

Prerequisites: None
And one of the following: None

44444 NAS Overview for Control Center Specialists

Training Manager: AMA-480 Course Length: 40 hour(s)

This course provides overview training for control center specialists on the equipment and services comprising the National Airspace System (NAS). The course is 100% correspondence study. Subjects include overview of equipment located at FAA sites, services, NAS Infrastructure Management System (NIMS), role of control center specialist in NIMS and NAS, typical flight pattern, and future projections for NAS.

Prerequisites: None
And one of the following: None

44445 Integrated Term Weather Sys (ITWS) OPS for AFCC Spec

Training Manager: AMA-480 Course Length: 24 hour(s)

This course is intended for trained AF control center specialists who remotely monitor the National Airspace System (NAS). This 100% correspondence study course trains the specialist to evaluate ongoing Integrated Terminal Weather System (ITWS) operations through remote monitoring and minimize NAS impact in the event of ITWS equipment failure. Subjects include system description, system operations, and remote maintenance monitoring information.

Prerequisites: 44423
And one of the following: None

44446 AFCC Website Familiarization

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

The course is for supervisory personnel who will be using the AFCC website to perform callback and site information maintenance procedures. This course is a self-paced correspondence study, consisting of lessons in the student guide and demonstrations on an accompanying CD-ROM. Students will perform hands on lab exercises at an AFCC website console.

Prerequisites: None
And one of the following: None

44447 MDM Re-HOST Delta

Training Manager: AMA-470 Course Length: 16 hour(s)

This course provides delta training for technicians, NAS managers, system performance specialists, and FAA technical personnel on the multiprogramming diagnostic monitor (MDM) and the new DIAG, QARS, and POMM on-line test tools (OLTT) now re-hosted to run under NAS. This course is 16 hours correspondence study with a final examination.

Prerequisites: None
And one of the following: 40426, 43535

44448 HOST M&C Operations for System Personnel

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for AF NAS managers/NOMS and computer operators who have a working knowledge of the current HOST storage subsystem. This course is 40 hours correspondence study with field exercises to provide hands-on familiarity. Subjects include an overview of the disk monitor and control (M&C), operations for M&C, and subsystem management. Satisfactory grade on final examination is required for course completion.

Prerequisites: None
And one of the following: 40420, 43014, 43035, 43037, 43040

44449 HOST M&C for Hardware and SPS Personnel

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for AF technicians (hardware maintenance) who have a working knowledge of the current HOST storage subsystem. This course is 40 hours correspondence study with field exercises to provide hands-on familiarity. Subjects include an overview of the disk monitor and control (M&C) subsystem, operations for M&C, subsystem management, hardware management,

fault detection, analysis, and device group isolation. Satisfactory grade on final examination is required for course completion.

Prerequisites: 44448
And one of the following: 43014, 40420, 43035, 43040

44450 HOST M&C for SPS (Software) & AOS-370

Training Manager: AMA-470 Course Length: 40 hour(s)

This course provides training for AF system specialists and AOS-370 personnel who have a working knowledge of the current HOST storage subsystem. This course is 40 hours correspondence study with field exercises to provide hands-on familiarity. Subjects include an overview of monitor and control (M&C), operations for M&C, subsystem management, hardware management, and system administration. Satisfactory grade on final examination is required for course completion.

Prerequisites: 44449
And one of the following: 40420, 43014, 43035, 43040

44451 HOST KVDT Replacement

Training Manager: AMA-470 Course Length: 8 hour(s)

This course is intended for FAA personnel who have a background in the Host Computer System. This course is 100% correspondence study with separate module tests. The replacement for the 3180 KVDT console is a Visara 1883, Visara keyboard and NEC monitor (KVDT). This course is the components, functions, and maintenance of the replacement Visara KVDT.

Prerequisites: None
And one of the following: None

44506 General Maintenance Handbook

Training Manager: AMA-450 Course Length: 40 hour(s)

This course provides proficiency training for developmental technicians on maintenance concepts of the NAS in the FAA. The course is 100% correspondence study with six lessons and no final exam. Subjects include definitions, technical documentation, technical requirements and procedures, use of facility maintenance forms, inspection programs, joint acceptance, flight inspections, service interruptions and restoration, and certification of all FAA facilities and services. There are reading assignments in FAA Order 6000.15C, General Maintenance Handbook for Airway Facilities.

Prerequisites: None
And one of the following: None

44511 Electronic Test Equipment

Training Manager: AMA-420 Course Length: 85 hour(s)

This course provides training for developmental technicians on a wide variety of test equipment. The course is 100% correspondence study with six units and a final exam. Subjects include theory and application of analog and digital meters, oscilloscopes, frequency generation, frequency measurements, and special measuring instruments.

Prerequisites: None
And one of the following: None

44516 Radiation Hazard Theory and Measurement

Training Manager: AMA-450 Course Length: 40 hour(s)

This course provides training for technicians and engineers on radiation measurement procedures. The course is 100% correspondence study. Subjects include electromagnetic radiation characteristics; radiation theory, instrumentation, agency policy and standards; units of measure; ionizing radiation measurements and procedures; hydrogen thyratron operating hazards; pulsed non-ionizing measurements, calculations and procedures; continuous wave (CW) non-ionizing measurement, calculations, and procedures; routine and non-routine measurements; measurement of a radar; and high frequency CW source measurements.

Prerequisites: None
And one of the following: None

44714 Substitute for Knowledge of ESS Concepts/PVE-1000

Training Manager: AMA-430 Course Length: 0 hour(s)

This prerequisite validation examination provides training for technicians on basic knowledge of environmental system support (ESS) concepts. Subjects include DC circuits, batteries, switches, controls, AC circuits, transformers, motors, generators, and rectifiers.

Prerequisites: None
And one of the following: None

44715 ILS Basic Theory

Training Manager: AMA-420 Course Length: 65 hour(s)

This course material prepares technicians for for Course 40283, Theory of ILS. Subjects include Instrument Landing System (ILS) principles, components of a complete ILS, waveforms peculiar to the ILS, and amplitude modulation.

Prerequisites: None
And one of the following: None

44716 Study Material for ILS Markers/PVE-1203

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1203, which is the prerequisite to all resident Instrument Landing System (ILS) marker courses. Subjects include the ILS marker station, marker antenna arrays, and measurements and adjustments.

Prerequisites: None
And one of the following: None

44717 Study Material for ILS Localizers/PVE-1204/1205

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1204/1205. The material is presented in two sections. Subjects include localizer radiation patterns, types of localizer antennas, radiated modulation components, Manual FV108, and antennas and radiation patterns.

Prerequisites: None
And one of the following: None

44718 Study Material for ILS Glide Slope/PVE-1206/1207

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1206/1207. The material is presented in two sections. Subjects include Instrument Landing System (ILS) glideslope radiation patterns and radiated modulation components.

Prerequisites: None
And one of the following: None

44719 Study Material for Mark 1D Antenna System/PVE-1301

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1301. Subjects include introduction to the LOG periodic antenna and theoretical calculations associated with it.

Prerequisites: None
And one of the following: None

44720 Null Reference Glideslope Antenna System, PVE-1302

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1302. Subjects include introduction to capture effect radiation patterns, amplitude and phase control units, transmitting antennas, and monitoring.

Prerequisites: None
And one of the following: None

44721 Study Material for Capture Effect Glideslope/PVE-1303

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material prepares technicians for prerequisite validation examination (PVE)-1303. Subjects include an introduction to capture effect radiation patterns, amplitude and phase control unit, transmitting antennas, and monitoring.

Prerequisites: None
And one of the following: None

44722 Sideband Reference Glideslope

Training Manager: AMA-420 Course Length: 35 hour(s)

This field study material provides training on the sideband reference glideslope. Subjects include an introduction to the sideband reference amplitude and phase control unit, transmitting antennas, and monitoring.

Prerequisites: None
And one of the following: None

44723 Study Material for Localizer With APC-TWA/PVE-1305

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material is an introduction to the Localizer Traveling Wave Antenna System, FA-9323 RF network, recombining and monitoring circuitry, and some theoretical calculations for the array. It prepares the student for the prerequisite validation examination (PVE)-1305.

Prerequisites: None
And one of the following: None

44724 Study Material for Localizer With V-Ring/PVE-1306

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material is an introduction to the V-Ring Antenna System. It discusses power distribution, monitoring, and calculations peculiar to the V-Ring Antenna System. It prepares the student for the

prerequisite validation examination (PVE)-1306.

Prerequisites: None
And one of the following: None

44725 Study Material for Localizer With ALF 8-Loop/PVE-1307

Training Manager: AMA-420 Course Length: 0 hour(s)

This field study material is an introduction to the Alford 8-loop Antenna System, the amplitude and phase control unit, radiation patterns, proximity effects of the 8-loop array, and system adjustments. It prepares the student for the prerequisite validation examination (PVE)-1307.

Prerequisites: None
And one of the following: None

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

74104 Is Management for Me?

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

This course will help potential model program participants assess their ability and willingness to accept the responsibility, accountability, and challenges of being a manager. It will enable potential applicants to make an informed decision about whether to pursue management and/or apply to the model program. This course is designed for E-learning, however, it can be printed and taken manually.

Prerequisites: None
And one of the following: None

74105 How to Be a Great Mentor...in Under 30 Minutes.

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

This course is presented by 'Deliver the Promise,' on CD ROM containing 8 sessions. The training provides mentors the necessary knowledge and skills to become effective. It includes: what mentoring is; what a mentor does; how the mentoring process works; what to

expect from a mentee; how to check mentor and mentee progress; how to avoid common mentoring pitfalls; and how to improve as a mentor. A package, which includes additional information to assist each mentor in performing his/her duties, will accompany each CD to supplement the training. The supplemental training package also relates the training that 'Deliver the Promise' provides to the Office of Security and Hazardous Materials (ASH) manager development mentor

Prerequisites: None
And one of the following: None