

00003 Advanced Aircraft Accident Investigation

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

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

Prerequisites: None
And one of the following: None

00007 Rotorcraft Accident Investigation

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

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

Prerequisites: None
And one of the following: None

00008 Human Factors in Aircraft Accident Investigation

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

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

Prerequisites: None
And one of the following: None

00027 Turbine Engine Accident Investigation

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

This course covers basic turbine engine accident investigation techniques of civil and public general aviation and air carrier accident field investigations. Accident speciality portion of an inspector's

fixed/rotary wing accident investigation training. Contains design, operation, and construction features of turbojet, turbofan, turboprop, and turboshaft engines utilized in both fixed and rotary wing aircraft. Also, contains failure modes and mechanisms of turbine engine components; fan, compressor, combustion chamber, turbine, exhaust, shafts, bearings, gears, and accessories.

Prerequisites: 00035
And one of the following: None

00029 Media Relations in Aircraft Accident Investigation

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

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

Prerequisites: None
And one of the following: None

00035 Basic Aircraft Accident Investigation

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

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

Prerequisites: None
And one of the following: None

00036 Amateur-Built Designated Airworthiness Representative

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

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

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Prerequisites: None
And one of the following: None

00038 Aviation Safety Officer/Manager Course

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

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

Prerequisites: None
And one of the following: None

00050 Introduction to Flight Procedures (AVN)

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

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

Prerequisites: None
And one of the following: None

00051 Airspace Systems Inspection Pilot/Tech - International

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

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

Prerequisites: None
And one of the following: None

00054 Instrument En Route and Approach Development (International)

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

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

Prerequisites: None
And one of the following: None

00055 Area Navigation (RNAV) Approach Construction (Automated)

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

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

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

00056 Instrument Approach Procedures Automation (IAPA)

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

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

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

00058 Qualification Airspace System Inspection Pilot/Tech

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

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

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

Prerequisites: None
And one of the following: None

00059 Area Navigation (RNAV) Approach Construction (Manual)

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

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

Prerequisites: 00050
And one of the following: None

00061 Area Navigation (RNAV) Construction Approach (International)

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

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

Prerequisites: None
And one of the following: None

00070 Overview of Flight Procedures Development

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

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

Prerequisites: None
And one of the following: None

00071 Internal Evaluation Program (IEP) for Managers

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

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

Prerequisites: None
And one of the following: None

00072 Internal Evaluation Program (IEP) for Evaluators

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

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

Prerequisites: None
And one of the following: None

00073 Recurrent Internal Evaluation Program (IEP) for Evaluators

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

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

Prerequisites: 00072
And one of the following: None

00080 Introduction to Aeronautical Charts (NACO) (AVN)

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

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

Prerequisites: None
And one of the following: None

00100 AF Responsibilities in Response to Aircraft Accidents

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

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

Prerequisites: None
And one of the following: None

00104 Transportation of Hazardous Materials Shippers' Course

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

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

Prerequisites: None
And one of the following: None

00379 Aircraft Cabin Safety Investigation

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

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

Prerequisites: None
And one of the following: None

00498 Experimental Aircraft Accident Investigation

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

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

Prerequisites: 00035
And one of the following: None

18700 Trainair Air Operator Certification (Operations)

Training Manager: DTI-100 Course Length: 96 hour(s)

This is a performance-based course using traditional lectures in addition to student activities and mastery tests. This training provides basic, yet in-depth knowledge and skills in the duties involved in certifying an air operator. The course follows a 'mock' air operator seeking certification throughout the five-phase certification process. The certification process is based on ICAO standards and model aviation law, regulations, and technical guidance.

Prerequisites: None
And one of the following: None

18701 TrainAir Air Operator and AMO Certification (Airworthiness)

Training Manager: DTI-100 Course Length: 120 hour(s)

This is a performance-based course using traditional lectures, student activities, and mastery tests. The training provides basic, yet in-depth knowledge and skills in the duties involved in certifying an approved maintenance organization (AMO) and air operator from the perspective of an airworthiness inspector. The course follows a mock AMO in Part 1 of the training and a mock air operator in Part 2 seeking certification throughout the five-phases of the certification process. The certification process is based on ICAO standards and model aviation law, regulations, and technical guidance.

Prerequisites: None
And one of the following: None

18702 Trainair Air Operator Certification (TTT) (Operations)

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

Successful completion of this course is a prerequisite for all operations inspectors assigned to teach course 18700. It consists of formal classroom instruction, workshop sessions, and practice teaching exercises varying in length from a 10-minute up to a 50-minute presentation on any air operator certification operations training module. Emphasis is placed on each student's effectiveness in performing the practice teaching exercises. Experienced instructors evaluate performance against established written criteria.

Prerequisites: None
And one of the following: None

18703 Trainair Air Operator and Amo Certification (TTT) (A/W)

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

Successful completion of this course is a prerequisite for all airworthiness inspectors assigned to teach course 18701. It consists of formal classroom instruction, workshop sessions, and practice teaching exercises. Each student will prepare and present teaching exercises varying in length from a 10-minute up to a 50-minute presentation on any air operator and AMO certification airworthiness training module. Emphasis is placed on each student's effectiveness in performing the practice teaching exercises. Experienced instructors will evaluate student performance against established written criteria.

Prerequisites: None
And one of the following: None