



2019

2019 Course Catalog



Engineering Designee Training Program

Policy & Innovation Division Delegation & Organizational Procedures Branch AIR-6F0

Course Catalog for Recurrent Training Electives

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Revision Log

Version	Date	Page(s)	Change
V3	6//2019	4	Added Acoustic Information
V4	9/2019	2, 15	Added Course 27200139

Recurrent Training Electives - 2019

Choose from the list of applicable courses by discipline; or browse directly through the course descriptions in numerical order [HERE](#).

NOTE: All of the courses listed have been reviewed by Subject Matter Experts and are current for use with the 2019 curriculum. Courses that were updated are indicated by [month/year]. New courses are listed as *New*.

[Electrical](#) | [Flight Test](#) | [Mechanical Systems](#) | [Propulsion](#) | [Structures](#) | [Acoustics](#)

Electrical Library

Prerequisite Course

[\(27200138\) 2019 Engineering Designee Recurrent General Training Overview\(1 Hour\)](#)

Electives (Select 1)

[\(25811\) NextGen Advanced Communications \(4 Hours\)](#)

[\(25815\) NextGen Advanced Navigation \(Rev 4\) \(4 Hours\)](#)

[\(27200002\) Understanding the US/EU Aviation Safety Agreement \(4 Hours\)](#)

[\(27200019\) Fundamentals of Risk Analysis \(3 Hours\)](#)

[\(27200043\) Electrical: Systems Aspects of Certification \(2 Hours\)](#)

[\(27200050\) Software Job Functions: Legacy System Software](#) [Updated 1/2019]

[\(27200099\) NextGen Surveillance \(1 Hour\)](#)

[\(27200100\) Head Up Displays \(HUD\) and Vision Systems \(1 Hour\)](#)

[\(27200101\) Auxiliary Displays & Electronic Flight Bag \(EFB\) Function \(2 Hours\)](#)

[\(27200103\) Software Job Functions: Model-Based Development \(6 Hours\)](#) [Updated 1/2019]

[\(27200106\) Electrical: Electronic Flight Bag Policy Overview \(1.5 Hours\)](#)

[\(27200116\) Electrical: System Safety Analysis \(2 Hours\)](#) [Updated 4/2019]

[\(27200118\) Electrical: ADS-B Installations \(1 Hour\)](#)

[\(27200131\) Part 23: A Performance-based Approach to Type Certification of Small Airplanes \(2.5 Hours\)](#)

Flight Test Library

Prerequisite Course

[\(27200138\) 2019 Engineering Designee Recurrent General Training Overview \(1 Hour\)](#)

Electives (Select 1)

[\(25811\) NextGen Advanced Communications \(4 Hours\)](#)

[\(27200002\) Understanding the US/EU Aviation Safety Agreement \(4 Hours\)](#)

[\(27200019\) Fundamentals of Risk Analysis \(3 Hours\)](#)

- [\(27200069\) Flight Test: Risk Management Update \(30 minutes\)](#)
- [\(27200070\) Flight Test: Considerations for EMC Certification \(30 minutes\) \[Updated 4/2019\]](#)
- [\(27200099\) NextGen Surveillance \(1 Hour\)](#)
- [\(27200100\) Head Up Displays \(HUD\) and Vision Systems \(1 Hour\)](#)
- [\(27200101\) Auxiliary Displays & Electronic Flight Bag \(EFB\) Function \(2 Hours\)](#)
- [\(27200108\) Flight Test: Takeoff and Landing Performance Assessment \(TALPA\) Advisory Circulars \(3 Hours\) \[Updated 3/2019\]](#)
- [\(27200131\) Part 23: A Performance-based Approach to Type Certification of Small Airplanes \(2.5 Hours\)](#)

Mechanical Systems Library

Prerequisite Course

- [\(27200138\) 2019 Engineering Designee Recurrent General Training Overview \(1 Hour\)](#)

Electives (Select 1)

- [\(27200019\) Fundamentals of Risk Analysis \(3 Hours\)](#)
- [\(27200048\) Aircraft Seat Dynamic Impact Test Procedures-History and Background \(8 Hours\)](#)
- [\(27200050\) Software Job Functions: Legacy System Software](#)
- [\(27200063\) Mechanical: Flight Controls Emerging Concerns \(1 Hour\)](#)
- [\(27200068\) Mechanical: Fire Resistant Hydraulic Fluids in Aviation \(1 Hour\)](#)
- [\(27200103\) Software Job Functions: Model-Based Development \(6 Hours\)](#)
- [\(27200109\) Mechanical/Powerplant: Icing Related Regulatory Changes \(1 Hour\)](#)
- [\(27200110\) Mechanical: Post Maintenance Functional Tests \(1.5 Hours\) \[Updated 3/2019\]](#)
- [\(27200131\) Part 23: A Performance-based Approach to Type Certification of Small Airplanes \(2.5 Hours\)](#)
- [\(27200139\) Mechanical: Cargo Compartment Fire Protection –NEW 9/2019](#)
- [\(27200418\) Mechanical: Certification of Brake Systems \(1.5 Hours\)–NEW 2019](#)

Propulsion Library

Prerequisite Course

- [\(27200138\) 2019 Engineering Designee Recurrent General Training Overview \(1 Hour\)](#)

Electives (Select 1)

- [\(27200019\) Fundamentals of Risk Analysis \(3 Hours\)](#)
- [\(27200050\) Software Job Functions: Legacy System Software](#)
- [\(27200057\) Powerplant: Understanding a Propeller Type Certificate Data Sheet \(1 Hour\)](#)
- [\(27200058\) Powerplant: Diesel Engine Certification \(1 Hour\)](#)
- [\(27200060\) Powerplant: CAAM Overview \(1 Hour\)](#)
- [\(27200062\) Powerplant: Transport Airplane Propulsion Certification Issues \(1 Hour\)](#)

- [\(27200103\) Software Job Functions: Model-Based Development \(6 Hours\)](#)
- [\(27200109\) Mechanical/Powerplant: Icing Related Regulatory Changes \(1 Hour\)](#)
- [\(27200111\) Powerplant: Fire Protection of Engine Cowling and Other Components \(1 Hour\)](#)
[Updated 4/2019]
- [\(27200112\) Powerplant: Valve Controls located in Flight Deck \(1 Hour\)](#)
- [\(27200113\) Powerplant: Turbine Engine Endurance Test \(1.5 Hours\)](#) [Updated 4/2019]
- [\(27200114\) Powerplant: Guidance for 14 CFR 33.4 Instructions for Continued Airworthiness \(1 Hour\)](#)
- [\(27200115\) Powerplant: Guidance for 14 CFR 33.28 Engine Control Systems \(1.25 Hours\)](#)
- [\(27200131\) Part 23: A Performance-based Approach to Type Certification of Small Airplanes \(2.5 Hours\)](#)

Structures Library

Prerequisite Course

- [\(27200138\) 2019 Engineering Designee Recurrent General Training Overview \(1 Hour\)](#)

Electives (Select 1)

- [\(27200019\) Fundamentals of Risk Analysis \(3 Hours\)](#)
- [\(27200048\) Aircraft Seat Dynamic Impact Test Procedures-History and Background \(8 Hours\)](#)
- [\(27200056\) Introduction to Fatigue and Fatigue Management \(2 Hours\)](#)
- [\(27200095\) Structures: Finite Element Modeling and Analysis Validation - Part I \(1 Hour\)](#)
- [\(27200096\) Structures: Finite Element Modeling and Analysis Validation - Part II \(1 Hour\)](#)
- [\(27200098\) Structures: Certification Compliance for Bird Strike Requirements \(1 Hour\)](#)
[Updated 4/2019]
- [\(27200130\) Structures: Composite Guidance - Present and In-Development \(1.5 Hours\)](#)
- [\(27200131\) Part 23: A Performance-based Approach to Type Certification of Small Airplanes \(2.5 Hours\)](#)

Acoustics Library

Prerequisite Course

- [\(27200138\) 2019 Engineering Designee Recurrent General Training Overview \(1 Hour\)](#)

Electives (Select 1)

- [\(27200002\) Understanding the US/EU Aviation Safety Agreement \(4 Hours\)](#)



Course Descriptions

FAA25811 NextGen Advanced Communications

The purpose of this course is to provide an overview into the futuristic approach to Air Traffic Services (ATS) Air/Ground (A/G) Data Communications as foreseen by NextGen.

Course Length: 4 hours.

Target Audience: Electrical and Flight Test DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA25815 NextGen Advanced Navigation

The course covers: GPS and GPS augmentation systems along with the TSOs & policies that implement the equipment; differences between RNAV & RNP; enhanced vision/synthetic vision systems; LPV implementation lessons learned; NextGen advanced navigation concepts. Participants will learn about: The capabilities inherent within the GPS TSOs & the TSO classes; Why RNAV isn't RNP, but RNP is RNAV; Lessons learned from applicant attempts to implement LPV capability in transport category aircraft with FMSs. Course Length: 8 hours. (Rev 4)

Target Audience: Electrical DERs, ODA Engineering UMs, FAA DER advisors and engineering and flight test OMT members.

FAA27200002 Understanding the US/EU Aviation Safety Agreement

The purpose of this training is to provide the FAA/AVS workforce and industry representatives with the knowledge and tools to accomplish tasks related to aircraft certification, manufacturing, maintenance, and continued airworthiness in accordance with the new safety agreement between the U.S. and the European Union. Course Length: 4 hours. (2018 Revision)

Target Audience: Electrical and Flight Test DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA27200019 Fundamentals of Risk Analysis

This course describes the importance of quantitative risk analysis and identifies the types of risk used in the MSAD process. The participant will learn how to calculate risk values for MSAD and will learn where to collect data for risk analyses. The Topics covered: the value of Quantitative vs. Qualitative Risk; risk measures used in MSAD; the difference between fleet risk and individual risk; the difference between infant mortality, constant rate (random) and wear-out life distributions; the process for calculating risk of random failure; the process for calculating risk of wear-out failures; and how to calculate a control program. Course Length: 3 hours. (Rev 2 - 5/8/2017)



Target Audience: Electrical, Flight Test, Mechanical, Propulsion, and Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA27200043 Electrical: Systems Aspects of Certification

The System Aspects of Certification intended for Designees or Unit Members who are involved in the certification of highly integrated systems, or sometimes called system of systems, that use electronic hardware, software and electromechanical designs to implement aircraft functions. This course provides an overview of these systems aspects of certification and how a development assurance process and can be applied to a highly integrated and complex system of systems and its associated guidance. Course Length: 2 hours.

Target Audience: Electrical DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200048 Aircraft Seat Dynamic Impact Test Procedures-History and Background

This course provides the historical background and information necessary to understand the basis of the regulations and where to seek additional details for the dynamic qualification of aircraft seats. There are multiple documents detailing these requirements. These requirements were developed from extensive research plans and coordination with industry and various agencies.

Course Length: 3 Hours.

Target Audience: Mechanical and Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200050 Software Job Functions: Legacy System Software

This on-line training provides Aviation Safety Engineers with information for assessing an applicant's use of Legacy System Software and associated tools, in accordance with AC 20-115C. PREREQUISITE: Must have working experience with DO-178B or DO-178-C and with FAA policy and guidance related to software approval. Materials: Participants must furnish copies of DO-178C and DO-330 (or Eurocae equivalents). DO-178B, 331, 332, and 333 are beneficial (www.rtca.org).

Course Length: 3 hours.

Target Audience: Electrical, Mechanical, and Powerplant DERs, ODA Engineering UMs, FAA DER advisors and engineering and flight test OMT members.

FAA27200056 Introduction to Fatigue and Fatigue Management

The purpose of this course is to define fatigue and explain the fatigue process, as well as, the fatigue requirement objectives for metallic structures. Participants will be able to identify normal and



anomalous metal fatigue and the characteristics associated with each type of fatigue.

Course Length: 2 hours.

Target Audience: Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200057 Powerplant: Understanding a Propeller Type Certificate Data Sheet

This course describes the information displayed on the Propeller Type Certificate Data Sheet (TCDS).

Course Length: 1 hour.

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200058 Powerplant Diesel Engine Certification

This course describes the information regarding Powerplant: Diesel Engine Certification. Course Length: 1 hour.

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200060 Powerplant: CAAM Overview coming October

This course provides information regarding Powerplant: Continued Airworthiness Assessment Methodologies Overview. Course Length: 1 hour. *[Updated 3/2019]*

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200062 Powerplant: Transport Airplane Propulsion Certification Issues

This course provides information concerning several key propulsion certification issues for transport category airplanes. Course Length: 1 hour.

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200063 Mechanical: Flight Controls Emerging Concerns

This course provides information regarding the FAA's concerns in the area of flight controls. Topics covered include FAA emphasis on rudder control and Fly-by-Wire incidents and accidents. Course Length: 1 hour. *[Updated 4/2019]*



Target Audience: Mechanical DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200068 Mechanical: Fire Resistant Hydraulic Fluids in Aviation

This course provides information regarding fire resistant hydraulic fluids in aviation. Topics covered include History of Hydraulic Fluid Fires, Hydraulic Fluid Basics, Fluid Change Projects and Means of Compliance. Course Length: 1 hour.

Target Audience: Mechanical DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200069 Flight Test: Risk Management Update

This course describes the Flight Test Risk Management Process. Topics covered include FAA Order 4040.26B, the steps in the Flight Test Risk Management Process, the Safety Review Board, the Risk Assessment Chart and its Alternatives, Risk Alleviation, and Safety Reporting, Qualification Testing, Ground and Flight Testing, and EMC Flight Test Risk Management. Course Length: 30 minutes.

[Updated 4/2019]

Target Audience: Flight Test DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA27200070 Flight Test: Considerations for EMC Certification

This course covers the various issues that should be addressed for Electromagnetic Compatibility (EMC) certification. The course will address factors involved with controlling EMC, various mechanisms of interference, examples of interference, the applicable Regulations and Guidance.

Course Length: 1 hour. [Updated 4/2019]

Target Audience: Flight Test DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA27200095 Structures: Finite Element Modeling and Analysis Validation Part I

This course describes the FAA requirements and acceptable methods for Finite Element Modeling (FEM) and Analysis (FEA) Validation. Course Length: 1 hour.

Target Audience: Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.



FAA27200096 Structures: Finite Element Modeling and Analysis Validation Part II

This course describes the different means of Finite Element Analysis (FEA) validation and the validation considerations for FEA versus test and FEA versus classical solution methods. This course also provides several Case Studies as examples. Course Length: 1 hour.

Target Audience: Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200098 Structures: Certification Compliance for Bird Strike Requirements

This course addresses several issues associated with demonstrating compliance with the bird strike requirements of § 25.571(e)(1) and 25.631 based on experience gathered over numerous certification programs. Certification compliance falls into one of four categories: test, validated analysis, similarity, and shielding (installation is shielded by other structure that cannot be penetrated by a bird). Discussion of each certification approach will include a review of certification compliance data requirements, FAA designee responsibilities, and FAA involvement.

Course Length: 1 hour. *[Updated 4/2019]*

Target Audience: Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200099 NextGen Surveillance

This course provides an understanding of emerging NextGen technologies in the area of surveillance, such as ADS-B Out, ADS-B In, Traffic Information Service – Broadcast (TIS-B), TCAS II, and Airborne Collision Avoidance System-X (ACAS-X). You will learn about new applications, which are becoming more integrated into aircraft surveillance for the purpose of increasing aircraft position integrity.

Course Length: 1 hour.

Target Audience: Electrical and Flight Test DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA27200100 Head Up Displays (HUD) and Vision Systems

The purpose of this training is to provide an in-depth understanding of Head-Up Displays (HUD) and vision systems that can be displayed on the HUD. These vision systems include: Synthetic Vision System (SVS); Enhanced Vision System (EVS); Enhanced Flight Vision System (EFVS); Combined Vision System (CVS). You will learn how HUD and these vision systems are relevant to your role and responsibilities as an Aircraft Certification Service (AIR) Aviation Safety Engineer (ASE). Course Length: 1 hour.

Target Audience: Electrical and Flight Test DERs, ODA Engineering UMs, FAA DER advisors and engineering and flight test OMT members.



FAA27200101 Auxiliary Displays & Electronic Flight Bag (EFB) Function

The purpose of the Auxiliary Displays & Electronic Flight Bag (EFB) Function course is to describe the impact of emerging NextGen avionics technologies on auxiliary displays & supporting applications. This course will provide an understanding of the EFB world as it is today: the classes & types of hardware & software; understanding when EFB devices require design, production, or installation approval; & the available guidance. You will learn how EFB functions are relevant to avionics certification. Course Length: 2 hours.

Target Audience: Electrical and Flight Test DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA27200103 Software Job Functions: Model-Based Development

This course assists ASEs in assessing applicant data for satisfaction of Model Based Development assurance criteria. Topics: MBD Guidance; Planning Data Evaluation; Development Data Evaluation; and Interaction between Systems and Software Development. Participants must furnish RTCA DO-178C and DO-331 (or EUROCAE equivalents). DO-178B, 330, 332, 333, and ARP4754A are beneficial. PREREQUISITE: Must have working experience with DO-178B or DO-178-C and FAA policy/guidance. Course Length: 6 hours.

Target Audience: Electrical, Mechanical and Propulsion DERS, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200106 Electrical: Electronic Flight Bag Policy Overview

This course provides the fundamentals of Electronic Flight Bag (EFB) function. Course Length: 1 hour.

Target Audience: Electrical, Flight Test, Mechanical, Propulsion, and Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA27200108 Flight Test: Takeoff and Landing Performance Assessment (TALPA) Advisory Circulars

This course provides information about the formation of the TALPA ARC and the result of the TALPA ARC. It also includes an overview of Part 25 and Part 25 AC guidelines. It covers TALPA ARC activity and the aviation industry, and the final FAA TALPA implementation plan. Course Length: 3 hours. [Updated 3/2019]

Target Audience: Flight Test DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.



FAA27200109 Mechanical/Powerplant: Icing Related Regulatory Changes

This course explains the expanded icing environments to be considered for new transport category airplanes certified for flight in icing. It also describes the airframe aspects of the rulemaking and is intended for individuals showing compliance to Part 25 for icing related regulations.

Course Length: 1 hour.

Target Audience: Mechanical and Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200110 Mechanical: Post Maintenance Functional Tests

This course explains FAA Policy Statement PS-ANM-25-18, Post-Maintenance Checks and Tests. It also describes the purpose of post maintenance functional tests and/or checks relative to the transport airplane certification process. The meaning of maintenance tasks and criteria by which post maintenance functional checks and tests should be called out; and, the principles by which manufacturers should develop a process that can be presented to the Aircraft Certification Office/Organization Designation Authorization as part of the data needed to show compliance to specific regulations. Course Length: 1.5 hours. *[Updated 3/2019]*

Target Audience: Mechanical DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200111 Powerplant: Fire protection of Engine Cowling and Other Components

This course provides information about considerations for compliance to the fireproof requirements for engine cowling in 14 CFR § 25.1193 and the relationship to the fire protection requirements for other components per § 25.867. Course Length: 1 hour. *[Updated 4/2019]*

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and OMT members.

FAA27200112 Powerplant: Valve Controls Located in Flight Deck

This course provides information about the requirements for powerplant valve controls located in the flight deck on transport category airplanes. More specifically, Title 14 Code of Federal Regulations (CFR) § 25.1141(f) will be discussed and recurring compliance issues associated with powerplant valve controls will be highlighted. Course Length: 1 hour.

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.



FAA27200113 Powerplant: Turbine Engine Endurance Test

This course provides an overview of the requirements, common challenges in running the endurance test, and addresses specific topics related to the endurance test of the § 33.87 regulation. Course Length: 1.5 hours. [Updated 4/2019]

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200114 Powerplant: Guidance for 14 CFR 33.4 Instructions for Continued Airworthiness

This course provides some guidance on the regulatory requirements for developing engine Instructions for Continued Airworthiness (ICA). Course Length: 1 hour.

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200115 Powerplant: Guidance for 14 CFR 33.28 Engine Control Systems

This course explains the requirements and related standards found in § 33.28. It also describes the evolution and structure of AC 33.28-3, the methods of compliance as defined by AC 33.28-3 in Chapters 2-16, and the areas of concern regarding AC 33.28-3. Course Length: 1.5 hours.

Target Audience: Propulsion DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200116 Electrical: System Safety Analysis

This course describes how to develop a system safety analysis in accordance with Aerospace Recommended Practice [ARP] 4754A and ARP 4761 as well as FAA recommendations allowed by the safety continuum. Course Length: 1.5 hours [Updated 4/2019]

Target Audience: Electrical DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200118 Electrical: ADS-B Installations

This course describes the Automatic Dependent Surveillance – Broadcast (ADS-B) installation approval process. Course Length: 1 hour.

Target Audience: Electrical DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.



FAA27200130 Structures: Composite Guidance – Present and In Development

This course provides information about recent and future composite guidance deliverables.

First, it explains the history of the Composite Safety and Certification Initiative (CS&CI), composite guidance, the AVS Composite Plan, and composite training. Next, it describes the background of the BRSL issue, the BRSL policy content, and the other bonding activities.

Then, it describes the background of the HEWABI issue, the HEWABI policy content, and the other service damage activities. Course Length: 1.5 hours.

Target Audience: Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200131 Part 23: A Performance-based Approach to Type Certification of Small Airplanes

This course informs FAA Aviation Safety Engineers (ASEs) about the unique aspects of certifying 14 CFR part 23 aircraft using performance-based rules that became effective in 2017. Lesson topics include: 1) Introduction to the Rule; 2) Consensus Standards; 3) Conceptual Design, Requirements Definition, and Compliance Planning; 4) Means of Compliance; and 5) Implementation. Course Length: 2.5 hours.

Target Audience: Electrical, Flight Test, Mechanical, Propulsion, and Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.

FAA27200138 2019 Engineering Designee Recurrent General Training Overview

This course provides information about the changes in the Engineering Designee Training Program. Course Length: 1 Hour.

Target Audience: Electrical, Flight Test, Mechanical, Propulsion, and Structures DERs, ODA Engineering UMs, FAA DER advisors and Engineering and Flight Test OMT members.



FAA27200139 Mechanical: Cargo Compartment Fire Protection

This course describes regulations that govern cargo compartment fire/smoke detection and fire suppression/ extinguishing systems, acceptable methods of demonstrating compliance to regulations that govern cargo compartment fire/smoke detection, and fire suppression/extinguishing systems and challenges to compliance.

Course Length: 1 Hour.

Target Audience: Mechanical DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

FAA27200418 Mechanical: Certification of Brake Systems

This course provides an introduction to the functions and elements of a brake system and the regulations, guidance, and standards required for brake system certification.

Course Length: 1.5 Hours.

Target Audience: Mechanical DERs, ODA Engineering UMs, FAA DER advisors and Engineering OMT members.

