

Course Details

Electric Wiring Interconnect System (EWIS)

Prerequisite: A background in an aviation environment.

Learning Objective: The training program is dedicated for the personnel directly involve in the maintenance and inspection of EWIS, identification in AMC 20-22.

Duration: 2 Day (Initial), 1 Day (Refresher)

Language: English. Student must have the ability to read, write and communicate at a functional level in the English language.

Course Location: Hindustan Institute of Engineering Technology in Chennai, India or at customer site.

Training Syllabus: The origins of the requirement for EWIS Training go back to a number of incidents which have had a catastrophic effect on the industry with instances of in-flight smoke and fire events in which contaminants were ignited by electrical faults which allowed a fire to be sustained and spread. Considerable research was conducted by The FAA and the National Transportation Safety Board (NTSB) together with the European Stake holders. The outcomes were conclusive and determined the specific need for EWIS Training. Electrical Wiring Interconnect System EWIS Training was issued as an EASA requirement in the summer of 2008. There is much confusion across industry as to the requirements to comply with the need for training EWIS within the Part 145 and Part M environment. AMC 20-22 makes it very clear as to the requirements which are to be complied with to ensure the organisation remains in conformity with EASA regulatory requirements. Ultimately in accordance with the terms of the approval issued to Operators and MRO's it is the Operators and Maintenance Organisation Responsibility to comply with the requirements of Electrical Wiring Interconnect Systems working practices and procedures including specifically EWIS training.

The Full EWIS Electric Wiring Interconnect System training is specifically targeted for Groups 1 and 2 and covers a detailed understanding of the specific requirements. Effective: 05/09/2008 Ref AMC 20-21 AMC 20-22 AMC 20-23 Annex III to ED Decision 2008/007/R of 29/08/2008.

Course Content

General Electrical Wiring Interconnection System Practices.

Know or demonstrate safe handling of aeroplane electrical systems, line replaceable units (LRU), tooling, troubleshooting procedures, and electrical measurement.

Wiring Practices Documentation

Know or demonstrate the construction and navigation of the applicable aeroplane wiring system overhaul or practices manual.

Inspection

Know the different types of inspections, human factors in inspections, zonal areas and typical damages.

Housekeeping

Know the contamination sources, materials, cleaning and protection procedures.

Wire

Know or demonstrate the correct identification of different wire types, their inspection criteria and damage tolerance, repair and preventative maintenance procedures

Connective Devices

Know or demonstrate the procedures to identify, inspect, and find the correct repair for typical types of connective devices found on the applicable aeroplane.

Connective Device Repair

Demonstrate the procedures for replacement of all parts of typical types of connectors found on the applicable aeroplane.

General: Students will receive a **Certificate** upon successful completion of the course.

Contact: For further information about this course, please contact:

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