TRAINING COURSE

EWIS (Electrical Wiring Interconnection Systems)

Introduction

Concerns about wiring systems in aeroplanes were brought to the forefront of public attention by a mid-air explosion in 1996 involving a 747 aeroplane. Ignition of flammable vapours in the fuel tank was the probable cause of that fatal accident, and the most likely source was a wiring failure that allowed a spark to enter the fuel tank. Two years later, an MD-11 aeroplane crashed into the Atlantic Ocean, although an exact cause could not be determined, the findings did seem to indicate that wire arcing had occurred in the area where the fire most likely originated, Investigations of those accidents and later examinations of other aeroplanes showed a collection of common problems.

The findings for all the incidents investigated suggested that current design and maintenance standards were not sufficient to support the failure criticality of the affected systems. As a consequence both FAA and EASA have created a regulatory package identified EAPAS, the Enhanced Airworthiness Program for Aging Systems.

As such, this training provides guidance for personnel directly involved in the maintenance management, maintenance and inspection of EWIS and/or Fuel Tank Safety.

Two topics identified in the EAPAS package are presented in this training:

- EWIS (Electric Wiring Interconnecting System), and
- Fuel Tank Safety.

COURSE DURATION

1 day (starting at 09:00 and finishing at around 17:00)

TARGET GROUP

This training is targeted at each person who is involved in or performs aeroplane maintenance or inspections on EWIS.

Read more about the course Content, Learning Objectives and Pre-requisites on the website: www.jaato.com