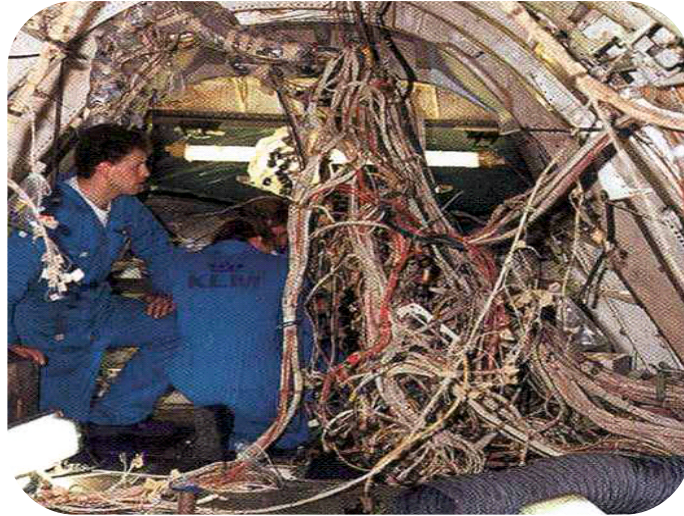




# AIRCRAFT ELECTRICAL WIRING INTERCONNECT SYSTEM EWIS



*The aim of this course is to ensure full compliance with the international regulations (ICAO, EASA, etc) as well as with the National Authorities.*

*The course is based on the chapters 45.A.30(e), AMC 145.A.30(e) and Annex IV, detailed in EASA Part 145 regulation and also in AMC 20-22.*

*The course is designed for all staff involved in aircraft maintenance, which has to understand the functioning of the system in order to correctly handle and protect the wiring system.*

## Syllabus

- Ensuring basic technical and legislative knowledge on the safety of the electrical wiring interconnection system (EWIS)
- Terminology
- How to work with the aircraft wiring system, with the components that are replaced during line maintenance, safety and protection measures
- Technical inspection of the Wiring System - criteria and standards
- Categories of wiring inspections, aircraft zoning, specific failures and the influence of human factors
- Contamination sources for the wiring system, procedures and materials used for cleaning and protection, contamination protection plan, protection during maintenance and repair works
- Specific defects and areas where they can be detected
- Wire grounding
- Potential hazards that may occur during aircraft maintenance
- Wiring connection: types of connectors and their identification, warnings and protections, visual inspection procedures, specific defects

**Course duration:** 3 hours initial, 1 hour recurrent

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