

Electrical Wiring Interconnection System (Group 1&2)

Certification:	2 Years
Previous requirements:	None.
Duration:	22 hours.
Duration E-Learning:	220 min.
Language:	English.
Price:	68€.
Tutor:	Brokair Aviation Academy instructor's team.



COURSE OBJECTIVES:

Know or demonstrate safe handling of aircraft electrical systems, line replaceable units (LRU), tools, troubleshooting procedures and electrical measurement. Know or demonstrate the use of applicable manuals of revision or practices of the wiring system of the airplane. Know the different types of inspections, human factors in inspections, zonal areas and typical damages. Know the sources of contamination, materials, cleaning procedures and protection. Know or demonstrate the correct identification of the different types of cables, their inspection criteria and tolerance to damage, repair procedures and preventive maintenance. Know or demonstrate the procedures to identify, inspect and find the correct repair for the typical types of connection devices found in the corresponding aircraft. Demonstrate procedures for the replacement of all parts of the typical types of connectors found in the corresponding aircraft.

REGULATION FRAMEWORK:

COMMISSION REGULATION (EU) No 1321/2014 of 26 November 2014, Annex II, Part 145.A.30 e), AMC4 145.A.30 e), AMC 20-22. The technical staff of approved maintenance organizations must acquire additional training in the Electrical Wiring Interconnection System when relevant.

ADDRESSED TO:

- GROUP 1:** Licensed Engineers Cat. B2 with authorization to perform installation, inspection, cleaning and repair tasks in the electrical wiring system.
- GROUP 2:** Licensed Engineers Cat. B1 with authorization to perform inspection tasks in the electrical wiring system.

CONTENT:

- Module 1.** General EWIS Practices .
- Module 2.** Wiring Practices Documentation .
- Module 3.** Inspections.
- Module 4.** Housekeeping .
- Module 5.** Wire .
- Module 6.** Connective Devices .
- Module 7.** Connective Devices Repair.