

This is to confirm that the

“Electrical Wiring Interconnection System; EWIS - Training “

provided by infoWERK Medien & Technik GmbH, setup on the LMS Training Portal is in compliance with:

EASA AMC 20-22 and FAA AC120-94

As the training will be presented on a generic level, an additional introduction into the real application for the aircraft types in use shall be performed by the customer.

The training is available as 5 courses for the different target groups

Course A	TG 1 & 2	B1 & B2 licensed personnel and avionic skilled workers
Course B	TG 3	Electrical/avionic engineers
Course C	TG 4&5	Cat A licensed personnel or personnel performing other engineering and planning work
Course D	TG 6	Other service with duties in proximity to EWIS
Course E	TG 7 & 8	Flight Deck and Cabin crew

The following theoretical training topics are included:

Training Syllabus as per EASA AMC 20-22 and FAA AC120-94

MODULE A – GENERAL ELECTRICAL WIRING INTERCONNECTION SYSTEM

PRACTICES:

- (1) Safety practices
- (2) ESDS device handling and protection
- (3) Tools, special tools and equipment
- (4) Verify calibration/certification of instruments, tools, and equipment
- (5) Required wiring checks using the Troubleshooting Procedures and charts
- (6) Measurement and troubleshooting using meters
- (7) LRU replacement general practices

MODULE B – WIRING PRACTICES DOCUMENTATION:

- (1) Chapter 20 structure/overview
- (2) Chapter 20 cross-reference index
- (3) Chapter 20 important data and tables
- (4) Wiring Diagram Manual
- (5) Other documentation (as applicable)

MODULE C – INSPECTION:

- (1) Special inspections
- (2) Criteria and standards
- (3) Human factors in inspection
- (4) Zonal areas of inspection
- (5) Wiring system damage

MODULE D – HOUSEKEEPING:

- (1) Aeroplane external contamination sources
- (2) Aeroplane internal contamination sources
- (3) Other contamination sources
- (4) Contamination protection planning
- (5) Protection during aeroplane maintenance and repair
- (6) Cleaning processes

MODULE E – WIRE:

- (1) Identification, type and construction
- (2) Insulation qualities
- (3) Inspection criteria and standards of wire and wire bundles
- (4) Wire bundle installation practices
- (5) Typical damage and areas found (aeroplane specific)
- (6) Maintenance and repair procedures
- (7) Sleeving
- (8) Unused wires - termination and storage
- (9) Electrical bonding and grounds

MODULE F – CONNECTIVE DEVICES:

- (1) General types and identification
- (2) Cautions and protections
- (3) Visual inspection procedures
- (4) Typical damage found
- (5) Repair procedures

MODULE G – CONNECTIVE DEVICE REPAIR:

- (1) Circular connectors
- (2) Rectangular connectors
- (3) Terminal blocks - modular
- (4) Terminal blocks - non-modular
- (5) Grounding modules
- (6) Pressure seals

All requirements and updates are documented in infoWERK's internal Quality Management System.

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