

Electrical Wiring Interconnection Systems (EWIS) Level 4 – 1 Day

Introduction

The origins of the requirement for EWIS Training go back to a number of incidents that 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 Stakeholders. 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 the 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 organization remains in conformity with EASA regulatory requirements. Ultimately in accordance with the terms of the approval issued to Operators and MROs, it is the Operator's and Maintenance Organisation's Responsibility to comply with the requirements of Electrical Wiring Interconnect Systems working practices and procedures including specifically EWIS training.

This course is designed to equip aviation professionals with the essential knowledge and skills needed to understand, maintain, and ensure the safety of electrical wiring systems in aircraft. Participants will delve into regulatory requirements, maintenance best practices, and safety considerations, gaining practical insights to enhance their expertise in EWIS.

Who is the course for?

The course is for aviation maintenance personnel who work with electrical systems and wiring in aircraft. This course specifically targets individuals who belong to Group 4, as defined by the EWIS regulations.

tel + 359 2 821 08 06
email team@sassofia.com

www.sassofia.com

Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

What is the Benefit of this Training – What will I learn?

The course aims to provide participants with a comprehensive understanding of EWIS requirements and practices. Throughout the course, attendees will:

- **Understand EWIS Requirements:** Gain insight into the regulations and guidelines governing Electrical Wiring Interconnection Systems in aviation.
- **Learn Maintenance Best Practices:** Acquire knowledge of best practices for the maintenance and management of EWIS, including inspection and testing procedures.
- **Enhance Safety Awareness:** Develop an awareness of safety considerations associated with EWIS, ensuring compliance with industry standards.
- **Apply Practical Knowledge:** Learn how to apply theoretical concepts in practical scenarios, with a focus on addressing challenges related to EWIS.
- **Improve Compliance:** Understand how to align EWIS practices with regulatory requirements to ensure compliance with aviation safety standards.

Detailed Content / Topics - The following Subjects will be addressed

- Introduction
- Acronyms
- Terminology
- EWIS Background
- Why are we training EWIS?
- Swissair 111 / BA 737-436, G-DOCH
- AMC 20-21
- Development of EWIS Inspection
- AMC 20-8 - Mandatory Reporting
- Standard Practices
- Zonal Areas of Inspection and Levels
- Electrostatic Discharge Sensitive ESDS
- Housekeeping

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Target Groups

This Training is specifically aimed at Target Group 4 personnel who perform EWIS inspection and Personnel who perform EWIS maintenance

Pre-requisites

A background in an aviation environment.

Learning Objectives

After attending this course, participants should be able to understand the specific requirements, having in mind that it is required to develop this training further within the organization particularly to reflect the organization's aircraft types and wiring practices.

What do People Say about Sofema Aviation Services Training?

"I found satisfying answers to all my questions."
"The instructor demonstrated very deep knowledge of the subject."
"The length of the course fit my needs and expectations."
"The content was really effective, I gained a lot of new knowledge."
"The practical examples were perfectly delivered."

Duration

1 day – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.
To register for this training, please email team@sassofia.com or Call +359 28210806

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