

Electrical Wiring Interconnection System (EWIS) Safety Assessment—25.1709

Instructor: Thomas N. Taylor, C. Bruce Stephens *(This course may be taught by one or both instructors.)*

SAN DIEGO, CALIFORNIA

September 11–15, 2017
Monday–Thursday,
8:00 a.m.–4:00 p.m. and
Friday, 8:00 - 11:30 a.m.
Course Number **AA181005**

CEUS

31.5 classroom hours
3.15 CEUs

COST

Early registration fee
\$2,495 if registered and paid
by July 28

Regular registration fee
\$2,695 if registered and paid
after July 28

The course registration fee
includes instruction, course
materials, refreshments and
lunches.

EARN A CERTIFICATE

This course is part of the
Certificate of Specialization
in **Aerospace Compliance**,
Certificate of Specialization
in **Aircraft Maintenance
and Safety**, Certificate of
Specialization in **Avionics
and Avionic Components**,
and Certificate of
Specialization in **Electrical
Wiring Interconnection
System (EWIS)**.

Description

This course will focus on the requirements and methods that can be used to demonstrate compliance to 14 CFR 25.1709 (EWIS Safety Analysis). The discussion will examine the use of FAA AC 25.1701-1 to prepare a Functional and Physical Analysis. The course will also include an overview of the EWIS requirements in 14 CFR Part 25, subpart H.

Highlights

- A detailed review of FAA AC 25.1701-1C and 25.1709 Flow Diagram
- Practical EWIS example for new and modified aircraft
- 25.1709 Functional and Physical Analysis Development through Team Workshops

Who should attend?

The course is designed for engineers, technicians and managers involved in the design and certification of Transport Category Aircraft. The course is intended for both Original Equipment Manufacturers (OEM) and aircraft modifiers.

"This course brought awareness to all facets of airplane safety affected by electrical wiring, and approaches to mitigate the dangers."

—Kelly Bajaj, Electrical Engineer, Northrop Grumman

"The course has significantly contributed to my knowledge on the subject matter. It was very well-presented and enjoyable due to the outstanding attributes of the instructors."

—Sau Pascal, System Engineering Manager, CAAI