

6000-1490

Aviation Certified Installer, Inspection and Testing Course Overview

Our Certified Aviation Course is designed to meet the SAE ARP5602 (Society of Automotive Engineers), the NAVAIR NA-01-1A-505-4 (Military Aircraft Fiber Optic Cabling) and the ARINC 805 Inspection / Cleaning and Testing requirements and Knowledge Competencies. This course teaches the following:

Aviation Fiber Optic Theory and Fundamentals

Inspection and Cleaning practices on single ferrule connectors and termini, multi-terminus connectors (D38999, ARINC 600, and EPX connectors), use of the fiber optic video inspection probe (FOVIS)

Testing theory and practices including; Link Loss Testing and Troubleshooting procedures and best practices. Test equipment students will use are; Optical Light Source and Power Meters, Visual Fault Locator, Video Inspection Probes, and 400x / 200X Microscopes.

Who Should Attend

Our Course is designed for those students who will be installing routing, mate/de-mating connectors, evaluating, cleaning and troubleshooting fiber optic systems and equipment on military aircraft. After completing this course, each student will be able to install, test and troubleshoot fiber optic cables and systems onboard military aircraft.

Recommended prerequisites

None

Successful completion of the knowledge competencies and “hands-on” skillsets qualifies each student to take ETA (Electronics Industry Association) FECC Certified Fiber Optics Evaluation and End-face Cleaning examination based on ARINC 805 requirements: Test is included in price of the course.