



AEROSPACE RECOMMENDED PRACTICE

ARP5602™/14

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A Re-Certification Guideline for Aerospace Platform Fiber Optic Training
and Awareness Education
Aerospace Fiber Optics Fabricator Hands-on Competencies

RATIONALE

The aerospace industry has always required the highest standards of workmanship to be maintained. To ensure that the aerospace fiber optics industry also adopts these same high standards, it's essential that minimum training and certification requirements be established. This document outlines the minimum training requirements for all personnel working as aerospace fiber optics fabricators in accordance with aerospace industry best practices.

ARP5602/14 has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This document establishes re-certification guidelines applicable to fiber optic fabricator technical training for individuals involved in the manufacturing, installation, support, integration and testing of fiber optic systems. Applicable personnel include:

Managers

Engineers

Technicians

Trainers/Instructors

Third Party Maintenance Agencies

Quality Assurance

Production

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2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

ARP5602	A Guideline for Aerospace Platform Fiber Optic Training and Awareness Education
AS5675	Characterization and Requirements for New Aerospace Fiber Optic Cable Assemblies - Jumpers, End Face Geometry, Link Loss Measurement, and Inspection
AIR6031	Fiber Optic Cleaning
AS39029/56	Contacts, Electrical Connector, Socket, Crimp Removable (For MIL-DTL-38999 Series I, III, and IV Connectors)
AS39029/58	Contacts, Electrical Connector, Pin, Crimp Removable (For MIL-DTL-24308, MIL-DTL-38999 Series I, II, III, and IV, and MIL-DTL-55302/69 and MIL-DTL- 83733 Connectors)

2.1.2 U.S. Government Publications

Available from DLA Document Services, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Tel: 215-697-6396, <http://quicksearch.dla.mil/>.

MIL-PRF-29504/4	Termini, Fiber Optic, Connector, Removable, Environmental Resisting, Pin Terminus, Size 16, Rear Release, MIL-DTL-38999, Series III
MIL-PRF-29504/5	Termini, Fiber Optic, Connector, Removable, Environmental Resisting, Socket Terminus, Size 16, Rear Release, MIL-DTL-38999, Series III
MIL-DTL-38999	Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environmental Resistant, Removable Crimp and Hermetic Solder Contacts, General Specification for

2.1.3 ARINC Publications

Available from ARINC, 2551 Riva Road, Annapolis, MD 21401. www.arinc.com.

ARINC Specification 600-19 Air Transport Avionics Equipment Interfaces