

**AEROSPACE
STANDARD
AMENDMENT**

SAE AS7974-A1

Issued 2004-10

Cable Assemblies and Attachable Plugs,
External Electrical Power, Aircraft,
General Specification For

FSC 6150

1. Present Requirement: 2.1.1 Specifications and standards: on Page 3

Not specified

Change Requirement: 2.1.1 Specifications and standards: on Page 3 after MIL-R-81828 add

MIL-DTL-83133 TURBINE FUELS, AVIATION, KEROSENE TYPES, NATO F-34(JP-8),
NATO F-35, AND JP-8 + 100

Rationale for Change: Incorporate Department of the Navy Engineering Position Letter 10380
DP704N/MS-60 M13.03, M15.02, M16.24, M17.06 M18.07, M19.06, M37.16, M51.05 of 11 July
1994

2. Present Requirement: 2.1.1 Specifications and standards: on Page 4

MIL-STD-105 Sampling Procedures & Tables for Inspection Attributes
MIL-STD-45662 Calibration System Requirements

Change Requirement: 2.1.1 Specifications and standards: on Page 4

Delete MIL-STD-105, and MIL-STD-45662 references

Rationale for Change: Incorporate Department of the Navy Engineering Position Letter Ser:
456300C60-BS50.93 dated SEP 29 1995, and Ser: 456300C60-50.111 dated 1 October 1995

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3. Present Requirement: 2.2 Non-government publications: on Page 5

Not specified

Change Requirement: 2.2 Non-government publications: on Page 5 add after "Application ----- 19103."

AMERICAN NATIONAL STANDARDS INSTITUTE

ANSI/ISO 10012-1 Quality Assurance Requirements for Measuring Equipment

Application for copies should be addressed to the American National Standards Institute, 11 West 42nd Street, New York, NY 10036

AMERICAN SOCIETY FOR QUALITY CONTROL

ASQC Z1.4, SAMPLING PROCEDURES AND TABLES FOR INSPECTION BY ATTRIBUTES

Application for copies should be addressed to the American Society of Quality Control, PO Box 3005, 611 East Wisconsin Ave, Milwaukee, WI 53201-46004

NATIONAL CONFERENCE OF STANDARDS LABORATORIES

NCSL Z540-1, -General Requirements for Calibration Laboratories and Measuring and Test Equipment

Application for copies should be addressed to the National Conference of Standards Laboratories, 1800 30th Street, 305B, Boulder, CO 80301-1032

SD-6 Provisions Governing Qualification

Application for copies should be addressed to the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

Rationale for Change: Incorporate Department of the Navy Engineering Position Letter Ser: 456300C60-BS50.93 dated SEP 29 1995, Ser: 456300C60-50.111 dated 1 October 1995, and to include Qualification Activity requirement

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4. Present Requirement: 3.6.11 Ozone resistance on Page 9

3.6.11 Ozone resistance: When tested as specified in 4.7.18, the cable assembly or attachable plug shall exhibit no cracks when examined under a seven power optical magnifier after ozone exposure.

Change Requirement: 3.6.11 Ozone resistance on Page 9

3.6.11 Ozone resistance (Initial Qualification only): When tested as specified in 4.7.18, the cable assembly or attachable plug shall exhibit no cracks when examined under a seven power optical magnifier after ozone exposure.

3.6.11.1 Ozone resistance (Retention of Qualification only): For Retention of Qualification, certification is accepted as an alternative to performing the Ozone resistance test. The supplier must certify that the current material used in the construction of the component is the same material used when the component was initially qualified or provide material supplier data that demonstrates that the present material will meet the Ozone requirement.

Rationale for Change: Incorporate Department of the Navy Engineering Position Letter 10380 Ser456100CDAL-03701501.AA3 of 24 September 1998

5. Present Requirement: Section 4. QUALITY ASSURANCE PROVISIONS, 4.1.1 "Test equipment and inspection facility", third sentence on Page 12

"Calibrations ---- MIL-STD-45662."

Change Requirement: Section 4. QUALITY ASSURANCE PROVISIONS, 4.1.1 "Test equipment and inspection facility", third sentence on Page 12

"Calibrations --- ANSI/NCSL Z540-1 or ISO 10012-1."

Rationale for Change: Incorporate Department of the Navy Engineering Position Letter Ser: 456300C60-50.111 dated 1 October 1995.

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6. Present Requirement: 4.6.2 Sampling inspection: on Page 13

Sampling of items shall be in accordance with MIL-STD-105 inspection level II, AQL 1.0%. Each item of the sample shall be subjected to the applicable inspections as specified in Table II.

Change Requirement: 4.6.2 Sampling inspection: on Page 13

Sampling of items shall be in accordance with ANSI/ASQC Z1.4 inspection level II, AQL 1.0%. Each item of the sample shall be subjected to the applicable inspections as specified in Table II. Major and minor defects shall be as defined herein (see 6.5).

Rationale for Change: Incorporate Department of the Navy Engineering Position Letter Ser: 456300C60-BS50.93 dated SEP 29 1995

7. Present Requirement: 4.7.3.3 Mating forces following fluid immersion: second sentence on Page 15

“The second sample shall be immersed in fuel which meets the requirements of JP-4 fuel of MIL-T-5624.”

Change Requirement: 4.7.3.3 Mating forces following fluid immersion: second sentence on Page 15

“The second sample shall be immersed in fuel which meets the requirements of JP-4 fuel of MIL-T-5624 or JP-8 fuel of MIL-DTL-83133.”

Rationale for Change: Incorporate Department of the Navy Engineering Position Letter 10380 DP704N/MS-60 M13.03, M15.02, M16.24, M17.06 M18.07, M19.06, M37.16, M51.05 of 11 July 1994