

Wire, Electrical, Crosslinked Polyalkene, Crosslinked Alkane-
Imide Polymer, or Polyarylene Insulated, Copper or Copper Alloy

FSC5935

THIS AMENDMENT FORMS A PART OF AS81044, DATED 1998-08

AS81044 AMENDMENT 2

1. PRESENT REQUIREMENT:

4.3 QUALIFICATION INSPECTION:

QUALIFICATION INSPECTION SHALL CONSIST OF ALL THE TESTS OF THIS SPECIFICATION.

CHANGE REQUIREMENT:

4.3 QUALIFICATION INSPECTION:

QUALIFICATION INSPECTION SHALL CONSIST OF ALL THE TESTS OF THIS SPECIFICATION. ONLY THE QUALIFYING ACTIVITY IS DESIGNATED TO PERFORM THOSE TESTS SPECIFIED IN TABLE IV AND TABLE VI FOR INITIAL QUALIFICATION AND RETENTION OF QUALIFICATION. THE QUALIFYING ACTIVITY SHALL PROVIDE THE DATA PACKAGE TO THE SUPPLIER. THE SUPPLIER IS NOT REQUIRED TO PERFORM THE TESTS.

RATIONALE FOR CHANGE:

THE PREPARING ACTIVITY HAS DETERMINED THAT THIRD PARTY TESTING IS NEEDED FOR THE SPECIFIED TESTS AND THAT THE QUALIFYING ACTIVITY SHOULD PERFORM THOSE TESTS INDEPENDENT OF THE SUPPLIER.

2. PRESENT REQUIREMENT:

TABLE IV QUALITY CONFORMANCE INSPECTION

CONDUCTOR DIAMETER
FINISHED WIRE DIAMETER
DURABILITY OF IDENTIFICATION
WRAP TEST
POLYIMIDE CURE TEST
LOW TEMPERATURE (COLD BEND)
ACCELERATED AGING

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TABLE VI TESTS APPLICABLE ONLY TO QUALIFICATION INSPECTION AND QUALIFICATION RE-EVALUATION

BLOCKING
LIFE CYCLE

CHANGE REQUIREMENT:

ADD TO THE BOTTOM OF TABLE IV AND TABLE VI THE FOOTNOTE "1/ TEST PERFORMED BY THE QUALIFYING ACTIVITY FOR QUALIFICATION (SEE 4.3). SUPPLIER IS STILL REQUIRED TO PERFORM THE TESTS AS PART OF QUALITY CONFORMANCE". ALSO ADD "1/" TO EACH TEST AS FOLLOWS:

TABLE IV QUALITY CONFORMANCE INSPECTION

CONDUCTOR DIAMETER 1/
FINISHED WIRE DIAMETER 1/
DURABILITY OF IDENTIFICATION 1/
WRAP TEST 1/
POLYIMIDE CURE TEST 1/
LOW TEMPERATURE (COLD BEND) 1/
ACCELERATED AGING 1/

TABLE VI TESTS APPLICABLE ONLY TO QUALIFICATION INSPECTION AND QUALIFICATION RE-EVALUATION

BLOCKING 1/
LIFE CYCLE 1/

RATIONALE FOR CHANGE:

THE PREPARING ACTIVITY HAS DETERMINED THAT THIRD PARTY TESTING IS NEEDED FOR THE SPECIFIED TESTS AND THAT THE QUALIFYING ACTIVITY SHOULD PERFORM THOSE TESTS INDEPENDENT OF THE SUPPLIER.

3. PRESENT REQUIREMENT: 4.7.5.1.4 AMENDMENT 1 (PARAGRAPH 9 TITLE)

4.7.5.1.4 ALTERNATIVE IMPULSE TEST

CHANGE REQUIREMENT: 4.7.5.1.4 AMENDMENT 1 (PARAGRAPH 9 TITLE)

4.7.5.1.4 ALTERNATIVE TO IMPULSE TEST METHOD

RATIONALE FOR CHANGE: CLARIFICATION

AS81044 AMENDMENT 1 DATED 2004-12

1. PRESENT REQUIREMENT: 2.1 GOVERNMENT-FURNISHED DOCUMENTS, PAGE 3

NOT SPECIFIED

CHANGE REQUIREMENT: 2.1 GOVERNMENT-FURNISHED DOCUMENTS, PAGE 3 AFTER MIL-L-23699 ADD

MIL-W-29606 WIRE, ELECTRICAL, STRANDED, UNINSULATED COPPER, COPPER ALLOY, OR ALUMINUM, OR THERMOCOUPLE EXTENSION, GENERAL SPECIFICATION FOR

MIL-T-83133 TURBINE FUEL, AVIATION, KEROSENE TYPES, NATO F-34 (JP-8) AND NATO F-35

RATIONALE FOR CHANGE: INCORPORATE DEPARTMENT OF THE NAVY ENGINEERING POSITION LETTER SER:, 10380 444-CBH/DJ/OA M50.80-1 OF AUG 17 AND 197210380 DP704N/M-60 M13.03 OF 11 JULY 1994

2. PRESENT REQUIREMENT: 2.1 GOVERNMENT-FURNISHED DOCUMENTS, PAGE 3

MIL-STD-105 SAMPLING PROCEDURES & TABLES FOR INSPECTION ATTRIBUTES

CHANGE REQUIREMENT: 2.1 GOVERNMENT-FURNISHED DOCUMENTS, PAGE 3

DELETE MIL-STD-105

RATIONALE FOR CHANGE: INCORPORATE DEPARTMENT OF THE NAVY ENGINEERING POSITION LETTER SER: 456300C60-BS50.93 DATED SEP 29 1995

3. PRESENT REQUIREMENT: 2.1 PUBLICATIONS, PAGE 4

NOT SPECIFIED

CHANGE REQUIREMENT: 2.1 PUBLICATIONS, PAGE 4 AFTER "(COPIES --- OFFICER)" ADD

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: TO INCLUDE QUALIFICATION ACTIVITY REQUIREMENT

4. PRESENT REQUIREMENT: 2.2 OTHER PUBLICATIONS, PAGE 4

NOT SPECIFIED

CHANGE REQUIREMENT: 2.2 OTHER PUBLICATIONS, PAGE 4 ADD AFTER "B355-69" LISTING

ANSI/ASTM D 3032 STANDARD TEST METHODS FOR HOOKUP WIRE INSULATION

RATIONALE FOR CHANGE: NAVY LETTER 10380 DP704N-CBH/AT50.93 OF 16 MARCH 1993

5. PRESENT REQUIREMENT: 2.2 OTHER PUBLICATIONS, PAGE 4

NOT SPECIFIED

CHANGE REQUIREMENT: OTHER PUBLICATION ON PAGE 4 AFTER "(COPIES --- 19103.)" ADD.

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)

RATIONALE FOR CHANGE: INCORPORATE DEPARTMENT OF THE NAVY ENGINEERING POSITION LETTER SER: 456300C60-BS50.93 DATED SEP 29 1995

6. PRESENT REQUIREMENT: TABLE 1 ON PAGE 6 FOOTNOTE 1

1/ NOMINAL VALUES ARE FOR INFORMATION ONLY. NOMINAL VALUES ARE NOT REQUIREMENTS

CHANGE REQUIREMENT: TABLE 1 ON PAGE 6 CHANGE FOOTNOTE 1 TO THE FOLLOWING:

1/ NOMINAL VALUES ARE FOR INFORMATION ONLY. CONDUCTOR CIRCULAR MIL AREA REQUIREMENTS ARE IN ACCORDANCE WITH MIL-W-29606.

RATIONALE FOR CHANGE: NAVY LETTER 10380 444-CBH/DJ/0A M50.80-1 OF AUG 17 1992

7. PRESENT REQUIREMENT: 4.4.1.4 INSPECTION LEVELS AND ACCEPTABLE QUALITY LEVELS (AQL) (GROUPS I AND II TESTS) ON PAGE 17

FOR GROUP I CHARACTERISTICS, INCLUDING THE INSULATION RESISTANCE TEST, THE INSPECTION LEVEL SHALL BE S-2 AND THE AQL SHALL BE 6.5 PERCENT DEFECTIVE UNITS IN ACCORDANCE WITH MILSTD-105. FOR GROUP II CHARACTERISTICS, THE INSPECTION LEVEL SHALL BE S-3 AND THE AQL SHALL BE 1.5 PERCENT DEFECTIVE UNITS.

CHANGE REQUIREMENT: 4.4.1.4 INSPECTION LEVELS AND ACCEPTABLE QUALITY LEVELS (AQL) (GROUPS I AND II TESTS) ON PAGE 17 CHANGE TO

FOR GROUP I CHARACTERISTICS, INCLUDING THE INSULATION RESISTANCE TEST, THE INSPECTION LEVEL SHALL BE S-2 AND THE AQL SHALL BE 6.5 PERCENT DEFECTIVE UNITS IN ACCORDANCE WITH ANSI/ASQC Z1.4. FOR GROUP II CHARACTERISTICS, THE INSPECTION LEVEL SHALL BE S-3 AND THE AQL SHALL BE 1.5 PERCENT DEFECTIVE UNITS. 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

8. PRESENT REQUIREMENT: 4.4.2 NONCONFORMING INSPECTION LOTS ON PAGE 18

DISPOSITION OF INSPECTION LOTS FOUND UNACCEPTABLE UNDER INITIAL QUALITY CONFORMANCE INSPECTION SHALL BE IN ACCORDANCE WITH MIL-STD-105.

CHANGE REQUIREMENT: 4.4.2 NONCONFORMING INSPECTION LOTS ON PAGE 18 CHANGE TO

DISPOSITION OF INSPECTION LOTS FOUND UNACCEPTABLE UNDER INITIAL QUALITY CONFORMANCE INSPECTION SHALL BE IN ACCORDANCE WITH ANSI/ASQC Z1.4.

RATIONALE FOR CHANGE: INCORPORATE DEPARTMENT OF THE NAVY ENGINEERING POSITION LETTER SER: 456300C60-BS50.93 DATED SEP 29 1995