

Shield Termination, Solder Style,
Insulated, Heat-Shrinkable, Environment Resistant
General Specification For

THIS AMENDMENT FORMS A PART OF AS83519A, DATED 2003-07

1. PRESENT REQUIREMENT: (4.1.1 SAMPLE SIZE)

SAMPLE SIZE: FORTY-THREE (43) TERMINATIONS OF EACH SIZE FOR EACH SPECIFICATION SHEET (SEE 3.1) FOR WHICH QUALIFICATION IS SOUGHT SHALL BE SUBMITTED TO THE ACTIVITY RESPONSIBLE FOR QUALIFICATION (SEE 6.5). SEE PARAGRAPH 4.4.7

CHANGE REQUIREMENT: (SECTION NUMBER, TITLE AND PAGE NO.)

SAMPLE SIZE: FORTY-THREE (43) TERMINATIONS OF EACH SIZE FOR EACH SPECIFICATION SHEET (SEE 3.1) FOR WHICH QUALIFICATION IS SOUGHT SHALL BE SUBMITTED TO QUALIFICATION INSPECTION TESTING (SEE 4.4.7).

RATIONALE FOR CHANGE: CLARIFICATION

2. PRESENT REQUIREMENT: (4.4 QUALIFICATION INSPECTION)

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

CHANGE REQUIREMENT: (4.4 QUALIFICATION INSPECTION)

QUALIFICATION INSPECTION SHALL CONSIST OF ALL THE TESTS OF THIS SPECIFICATION. THE QUALIFYING ACTIVITY (SEE 6.4) SHALL PERFORM THE INITIAL QUALIFICATION INSPECTION TESTS DESIGNATED IN TABLE I AND RETENTION OF QUALIFICATION INSPECTION TESTS DESIGNATED FOR GROUP C INSPECTION (SEE 4.5.3.2). THE QUALIFYING ACTIVITY SHALL PROVIDE A CERTIFIED DATA PACKAGE TO THE MANUFACTURER FOR INCLUSION IN THE FINAL TEST REPORT.

RATIONALE FOR CHANGE: THE QUALIFYING ACTIVITY HAS REQUESTED AND AE-8 HAS DIRECTED THAT ALL SPECIFICATIONS WITH QUALIFICATION REQUIREMENTS SHALL SPECIFY THE TESTS REQUIRED TO BE PERFORMED BY THE QUALIFYING ACTIVITY. AS83519 IS SCHEDULED FOR RETENTION OF QUALIFICATION IN THE SUMMER 2008. THIS AMENDMENT IS BEING ISSUED TO REDUCE THE COST OF QUALIFICATION TESTING PRIOR TO SUBMITTAL WITHOUT COMPROMISING THE QUALITY OF THE PRODUCT.

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3. PRESENT REQUIREMENT: (4.4.4 TEST ROUTINE)

TEST ROUTINE: SAMPLE UNITS SHALL BE SUBJECTED TO THE QUALIFICATION INSPECTION SPECIFIED IN TABLE I IN THE ORDER SHOWN.

CHANGE REQUIREMENT: (4.4.4 TEST ROUTINE)

TEST ROUTINE: SAMPLE UNITS SHALL BE SUBJECTED TO THE QUALIFICATION INSPECTION SPECIFIED IN TABLE I.

RATIONALE FOR CHANGE: CLARIFICATION

4. PRESENT REQUIREMENTS: (4.6.6 RETENTION OF QUALIFICATION)

RETENTION OF QUALIFICATION: TO RETAIN QUALIFICATION, THE SUPPLIER SHALL FORWARD AT 12 MONTH INTERVALS TO THE ACTIVITY RESPONSIBLE FOR QUALIFICATION A SUMMARY OF GROUP A AND B TESTS, INDICATING AS A MINIMUM THE NUMBER OF LOTS WHICH PASSED AND THE NUMBER WHICH FAILED, AND A SUMMARY OF THE RESULTS OF GROUP C TESTS, INCLUDING THE NUMBER AND TYPE OF ANY PART FAILURES. THE SUMMARY SHALL INCLUDE THOSE TESTS PERFORMED DURING THAT 12 MONTH PERIOD. IF THE SUMMARY OF THE TEST RESULTS INDICATES NONCONFORMANCE WITH SPECIFICATION REQUIREMENTS AND CORRECTIVE ACTION ACCEPTABLE TO THE QUALIFYING ACTIVITY HAS NOT BEEN TAKEN, ACTION SHALL BE TAKEN TO REMOVE THE FAILING PRODUCT FROM QUALIFIED PRODUCT LIST. FAILURE TO SUBMIT THE SUMMARY MAY RESULT IN LOSS OF QUALIFICATION FOR THE PRODUCT. IN ADDITION TO THE PERIODIC SUBMISSION OF INSPECTION DATA, THE QPL MANUFACTURER SHALL IMMEDIATELY NOTIFY THE QUALIFYING ACTIVITY AT ANY TIME DURING THE 12 MONTH PERIOD THAT THE INSPECTION DATA INDICATES FAILURE OF THE QUALIFIED PRODUCT TO MEET THE REQUIREMENTS OF THIS SPECIFICATION.

CHANGE REQUIREMENTS: (4.6 RETENTION OF QUALIFICATION)

RETENTION OF QUALIFICATION: TO RETAIN QUALIFICATION, THE SUPPLIER SHALL FORWARD THE ACTIVITY RESPONSIBLE FOR QUALIFICATION A SUMMARY OF GROUP A AND B TESTS, INDICATING AS A MINIMUM THE NUMBER OF LOTS WHICH PASSED AND THE NUMBER WHICH FAILED, AND THE RESULTS OF GROUP C TESTS (SEE 4.4), INCLUDING THE NUMBER AND TYPE OF ANY PART FAILURES. IF THE SUMMARY OF THE TEST RESULTS INDICATES NONCONFORMANCE WITH SPECIFICATION REQUIREMENTS AND CORRECTIVE ACTION ACCEPTABLE TO THE QUALIFYING ACTIVITY HAS NOT BEEN TAKEN, ACTION MAY BE TAKEN TO REMOVE THE FAILING PRODUCT FROM QUALIFIED PRODUCT LIST (SEE 4.5.3.3). FAILURE TO SUBMIT THE SUMMARIES MAY RESULT IN LOSS OF QUALIFICATION FOR THE PRODUCT. THE QPL MANUFACTURER SHALL IMMEDIATELY NOTIFY THE QUALIFYING ACTIVITY AT ANY TIME THAT THE INSPECTION DATA INDICATES FAILURE OF THE QUALIFIED PRODUCT TO MEET THE REQUIREMENTS OF THIS SPECIFICATION.

RATIONALE FOR CHANGE: REDUCE THE NUMBER SUBMITTALS.

5. PRESENT REQUIREMENT: (IN TABLE 1 QUALIFICATION INSPECTION)

GROUP I (43 UNINSTALLED TERMINATIONS)
GROUP V (4 CABLE ASSEMBLIES) 1 OF EACH SET
GROUP IX (4 CABLE ASSEMBLIES) 1 OF EACH SET
GROUP X (4 CABLE ASSEMBLIES) 1 OF EACH SET

CHANGE REQUIREMENT: (TABLE 1 QUALIFICATION INSPECTION ADD FOOTNOTE 1 AS SHOWN AND AT BOTTOM OF TABLE)

GROUP I (43 UNINSTALLED TERMINATIONS) 1/
 GROUP V (4 CABLE ASSEMBLIES) 1 OF EACH SET 1/
 GROUP IX (4 CABLE ASSEMBLIES) 1 OF EACH SET 1/
 GROUP X (4 CABLE ASSEMBLIES) 1 OF EACH SET 1/

1/ THE QUALIFYING ACTIVITY SHALL PERFORM THE DESIGNATED TEST GROUPS AND THE GROUP I REQUIREMENTS FOR ONLY THOSE SPECIMENS IN TEST GROUPS V, IX, AND X.

RATIONALE FOR CHANGE: DESIGNATE QUALIFYING ACTIVITY TESTS FOR INITIAL QUALIFICATION INSPECTION.

6. PRESENT REQUIREMENTS: (4.5.3.2 GROUP C INSPECTION)

GROUP C INSPECTION SHALL CONSIST OF THE EXAMINATIONS AND TESTS SPECIFIED IN TABLE I.

CHANGE REQUIREMENTS: (4.5.3.2 GROUP C INSPECTION)

GROUP C INSPECTION SHALL CONSIST OF THE EXAMINATIONS AND TESTS SPECIFIED IN TABLE V.

TABLE V. GROUP C INSPECTION

EXAMINATION OR TEST	REQUIREMENT PARAGRAPH	TEST METHOD PARAGRAPH
GROUP I (UNINSTALLED TERMINATIONS) VISUAL AND DIMENSIONAL EXAMINATION <u>1/</u>	3.3, 3.5.1.1, 3.6, 3.7	4.6.1
GROUP II (6 CABLE ASSEMBLIES) 1 OF EACH SET VISUAL AND DIMENSIONS INSULATION RESISTANCE ALTITUDE IMMERSION (1 CYCLE) INSULATION RESISTANCE ALTITUDE IMMERSION (2 CYCLE) INSULATION RESISTANCE DIELECTRIC WITHSTANDING VOLTAGE VOLTAGE DROP TENSILE STRENGTH	3.4 AND 3.7 3.5.2.2 3.5.2.3 3.5.2.2 3.5.2.5 3.5.2.2 3.5.2.3 3.5.2.1 3.5.2.4	4.6.1 4.7.2 4.7.5.1 4.7.2 4.7.5.1 4.7.2 4.7.3 4.7.1 4.7.4
GROUP III (6 CABLE ASSEMBLIES) 1 OF EACH SET VISUAL AND DIMENSIONS HEAT AGING INSULATION RESISTANCE DIELECTRIC WITHSTANDING VOLTAGE VOLTAGE DROP	3.4 AND 3.5 3.5.2.5 3.5.2.2 3.5.2.3 3.5.2.1	4.6.1 4.7.5.5 4.7.2 4.7.3 4.7.1

1/ INCLUDES CERTIFICATIONS THAT DESIGN AND MATERIALS HAVE NOT CHANGED SINCE INITIAL QUALIFICATION INSPECTION

7. PRESENT REQUIREMENT: (4.7.5.4 FLUID IMMERSION AND TABLE V)

ALL REFERENCES TO TABLE V

CHANGE REQUIREMENT: (4.7.5.4 FLUID IMMERSION AND TABLE V)

CHANGE ALL REFERENCES TO TABLE VI

RATIONALE FOR CHANGE: EDITORIAL

Amendment A1: September 2004

1. Present Requirement: 2.1 Issue of documents, Page 3

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

Change Requirement: Issue of documents, Page 3

Delete MIL-STD-105, and MIL-C-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

2. Present Requirement: 2.2 Source of documents, Page 3

"Copies of industry association documents should be obtained from the sponsor. Copies of all other listed documents should be obtained from the contracting activity or as directed by the contracting officer."

Change Requirement: 2.2 Source of documents, Page 3 delete present requirement and add

Copies of industry standards can be obtain from the following:

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)