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METRIC
MIL-M-24350B(SH)
AMENDMENT 2
16 April 1992
SUPERSEDING
AMENDMENT 1
5 January 1990

MILITARY SPECIFICATION

MONITORS, REVERSE POWER AND POWER-SENSING, ELECTRICAL POWER (NAVAL SHIPBOARD USE) (METRIC)

This amendment forms a part of MIL-M-24350B(SH), dated 31 July 1989, and is approved for use by the Naval Sea Systems Command, Department of the Navy and is available for use by all Departments and Agencies of the Department of Defense.

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* 3.1: Delete and substitute:

"3 1 First article. When specified (see 6 2), a sample shall be subjected to first article inspection (see 6 6) in accordance with 4 4."

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* 4 2. Delete and substitute:

"4.2 Classification of inspections The inspection requirements specified herein are classified as follows·

(a) First article inspection (see 4.4)
(b) Comparison inspection (see 4 5)
(c) Quality conformance inspection (see 4 6)."

* 4.4 and 4 4.1: Delete and substitute.

"4.4 First article inspection. First article inspection shall be performed on one monitor of each type. First article inspection shall consist of the examination and tests specified in table II "

* 4.5, line 2: Following "table II" add "(see 6 3)"

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* Table II· Delete and substitute·

TABLE II. First article, comparison and quality conformance inspections

Test	First article	Compar-ison	Quality conformance	Require-ment	Test procedure
General examination	X	X	X	3.2	4.6
Effectiveness of enclosure	X	--	--	3.6	4 7 1
Creepage and clearance	X	X	--	3.2	4.7 2
Insulation resistance	X	X	--	3.12	4.7.3
Wiring	X	X	--	3.3	4.7.4
Warm-up	X	X	--	3 18	4 7 5
Temperature rise	X	X1/	--	3.9	4 7.6
Sensing	X	X	X	3 3	4 7 7.2
Trip recovery	X1/	X1/	--	3 5	4.7.7.3
Over current	X	X	--	3 3	4.7.7 4
Over voltage	X	X	--	3.3	4 7.7.5
Voltage surge	X	X	--	3.3 1	4.7 8
Noise	X	X	--	3.16	4.7 9
Interference	X	--	--	3 17	4.7.10
Reliability	X	X2/	--	3 19	4 7 11
Maintainability	X	X2/	--	3 20	4 7 12
Dielectric strength	X	X	X	3.13	4 7 13
Vibration	X	X2/	--	3.14	4.7.14
Shock	X	X	--	3 15	4.7.15

1/ Required for reverse power monitors only.
2/ Inspection required only if there has been a design change since the First Article Inspection or previous Comparison Inspection

* 4.6: Delete and substitute.

"4.6 General examination. Each monitor shall be examined for compliance with the requirements specified in 3.2."

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* 6.2(i): Delete and substitute.

"(i) Whether reliability tests are required. If so, the condition for the reliability tests, if other than that specified herein (see 4 7 11)."

* 6 2: Add the following sentence·

"(m) Whether first article inspection is required (see 3.1) "

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* 6.3: Delete tabular information and substitute:

"Reference Paragraph	DID Number	DID Title	Suggested Tailoring
3.22	DI-DRPR-81000	Product drawings and associated lists	----
4.5	DI-NDTI-80809	Test/inspection reports	----"

* 6.6: Delete and substitute:

"6.6 First article inspection. Invitations for bids should provide that the Government reserves the right to waive the requirements for samples for first article inspection as to those bidders offering a product which has been previously acquired or tested by the Government, and that bidders offering such products, who wish to rely on such production or test, must furnish evidence with the bid that prior Government approval is presently appropriate for the pending contract This evidence should include the following:

(a) Contract number for which the testing was conducted.
(b) Copy of test report.
(c) Copy of approval letter."

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* 6 6 1· Delete in its entirety.

Preparing activity·
Navy - SH
(Project 5925-N134)