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MIL-L-85314A
AMENDMENT 2
20 March 1992
SUPERSEDING
AMENDMENT 1
15 November 1984

MILITARY SPECIFICATION

LIGHT SYSTEMS, AIRCRAFT, ANTI-COLLISION, STROBE, GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-L-85314A, dated 30 June 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

* 1.2 under Type I - For use with 28 volt direct current (Vdc) aircraft power source, add:

"Mode A - in red/white operation mode.
Mode B - in red/white operation mode with dimming box for ground- and night-vision operation.
Mode C - in red/white operation mode with integrated ground- and night-vision operation.
Mode D - in red/white operation mode with integrated ground- and night-vision operation; light unit in module technique."

PAGE 2

* 2.1.1, delete "DOD-STD-100 Engineering Drawing Practices" and substitute "MIL-STD-100 Engineering Drawing Practices."

PAGE 3

* 2.1.1 after last military standard, add:

"HANDBOOKS

Military

MIL-HDBK-781	Reliability Test Methods, Plans, and Environments for Engineering Development, Qualification, and Production."

AMSC N/A FSC 6220

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PAGE 3

* Delete "MIL-STD-794 Parts and Equipment, Procedures for Packaging and Packing of" and substitute "MIL-STD-2073 DoD Materiel, Procedures for Development and Application of Packaging Requirements" in correct numerical order.

* Add as new paragraph 2.3: "2.3 Order of Precedence. In the event of a conflict between the text of this document and the 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."

PAGE 5

* 3.6.1 line 6: Delete "single mode (single intensity level) or dual mode (low and high intensity levels)" and substitute "dual mode (low and high intensity levels) or quadruple mode (low, high, ground- and night-vision intensity levels)."

* 3.6.1.1 line 4: After "LOWER" add "NORMAL" -- "NIGHT VISION," "GROUND-FLIGHT,"."

PAGE 6

3.6.2 Safety. Delete last sentence and substitute: "Provisions for discharging power supply capacitors shall be supplied."

* 3.6.2.3 line 3: After "low" delete "mode" and substitute "ground- or night-vision mode."

PAGE 7

* 3.6.3 After last sentence, add: "For optimal dimensions and minimal weight with a guaranteed light life of 3500 operating hours, a compact design without module interchangeability is recommended."

PAGE 10

3.7.5 Chromaticity - Delete "X" and "Z" indicated as upper case characters with quotation marks, and substitute "x" and "z," as lower case characters without quotation marks, throughout the paragraph.

* 3.7.7.3 Change to "3.7.7.5" and revise title of paragraph to "Optical failure high/low (day/night) or high/low (night-vision) mode computational data base (applicable to dual mode systems)."

* Add as new paragraph 3.7.7.3: "3.7.7.3 Optical failure of the dim mode - ground operation. During the first 2000 hours of operation, a failure of the dim mode will have occurred if the system fails optically."

* Add as new paragraph 3.7.7.4: "3.7.7.4 Optical failure of the high/low (night-vision) mode. During the first 2000 hours of operation, a failure of the high/low (night-vision) mode will have occurred if the system fails optically."

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3.14 Markings, add the following subparagraph:

"3.14.4 Circuit breakers. Markings adjacent to circuit breakers shall identify the correct electrical parameters to preclude incorrect values for circuit breaker installation."

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* Under note 3/, delete "figure 516.2-1" and substitute "figure 516.4-4."

* 4.6.8 line 2, delete "MIL-STD-781, test plan III, test level C" and substitute "MIL-STD-781 and MIL-HDBK-781, test plan III, test level D."

* 5.1 lines 4 and 6, delete "MIL-STD-794" and substitute "MIL-STD-2073/1."

PAGE 16

* Add as new paragraph 6.6: "6.6 Subject term (key word) listing.

Fixtures
Lighting
Strobe light"

* Change existing paragragh number 6.6 to 6.7.

NOTE: The margins of this amendment are marked with an asterisk or vertical lines to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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