

NOT MEASUREMENT  
SENSITIVE

MIL-M-18012B  
AMENDMENT 3  
15 March 1989  
SUPERSEDING  
AMENDMENT 2  
22 Sept 1986

## MILITARY SPECIFICATION

### MARKINGS FOR AIRCREW DISPLAYS, DESIGN AND CONFIGURATION OF

This amendment forms a part of Military Specification MIL-M-18012B, dated 20 July 1964, and is approved for use by all Departments and Agencies of the Department of Defense.

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Add the following paragraph:

“2.2 Streamlining. This document has been streamlined. Appendix A to MIL-M-18012B lists those documents required for MIL-M-18012B acquisition and is a mandatory part of MIL-M-18012B. Those documents listed in Appendix A have the same status as those referenced directly in MIL-M-18012B (first tier documents). All other documents, referenced through tiering, may be used as guidance and information to supplement MIL-M-18012B. MIL-M-18012B is a streamlined document.”

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3.1.2, add the following:

“One letter and numeral design shall be selected and used for each control panel. Where possible, this same design shall be used on all control panels in the aircrew station.”

3.1.2.1, add the following between the 4th and 5th sentences:

“Where there is limited panel space for the panel nomenclature, a News Gothic Condensed letter font may be used upon the approval of the procuring activity.”

AMSC N/A

FSC 15GP

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3.1.9, delete the last two sentences and substitute the following:

“For night presentation, the immediate action control striping shall appear as illuminated stripes with color identical to the orange-yellow background striping, color #33538 (see para. 3.3.3). The illuminated stripes shall be limited to panel background striping unless otherwise specified by the procuring activity (see 6.1). The illuminated stripes shall be 1/8 inch in stroke width and shall be located in the center of the orange-yellow stripes. The color and brightness of the illuminated stripes shall be in accordance with MIL-P-7788.”

3.2.? (a) (3), delete “from 1/8 to 1/6”, and substitute “1/8”.

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3.2.2 (b), delete “0.8 and 1.1 of the height” and substitute the following:

“0.6 to 0.8 of the height. The letter “W” shall be between 0.8 to 1.1 of the height”.

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Add new paragraph 6.1:

“6.1 Ordering data. The procurement document should specify whether large handles or levers used as immediate action controls should be illuminated (see 3.1 .9).”

6.?, renumber to 6.2, delete entire paragraph and substitute the following:

“International standardization agreements. Certain provisions of this specification are the subject of international standardization agreement STANAG 3329 and AIR STD 10/23E. When amendment, revision, or cancellation of this specification is proposed which will modify the international standardization agreement concerned, the preparing activity will take appropriate action through international standardization channels including departmental standardization offices to change the agreement or make other appropriate accommodations.”

Add the following paragraphs:

“6.3 Streamlining. For MIL-W-18012B acquisitions, the required portions of all MIL-M-18012B tier reference documents shall be limited to the portions described in the “Applicability” column of Table I in Appendix A.

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6.4 Tailoring. When MIL-M-18012B is tailored in an acquisition, Appendix A must be tailored accordingly. In particular, when Appendix A is tailored, specific attention must be given to the chain of referencing. For example, if a first tier reference document in MIL-M-18012B is tailored out, all of the reference documents which are tiered to that first tier reference document must be tailored out.”

SPECIFICATION ANALYSIS SHEET

Change address to the following:

“Commander  
Naval Air Systems Command  
Attn: AIR-53B  
Washington, DC 20360”

Add Appendix as follows:

APPENDIX A

STREAMLINING INFORMATION

10. SCOPE

10.1 Scope. This Appendix is a list of documents referenced in MIL-M-18012B or tiered to documents referenced in MIL-14-18012B. These documents have the same status as those referenced directly in MIL-M-18012B (first tier documents). This Appendix is a mandatory part of this specification. The information contained herein is intended for compliance.

10.2 Application. This Appendix identifies the applicability of the documents referenced in MIL-M-18012B or tiered to documents referenced in MIL-M-18012B through the fifth tier. Only that portion of a document, listed in Table I of this Appendix and described in the “Applicability” column, is pertinent in the use of MIL-M-18012B. If MIL-M-18012B is tailored in acquisition, this Appendix must also be tailored.

20. DOCUMENTS

20.1 Documents. The documents listed herein and corresponding applicability data have been identified as required. All other documents referenced through tiering are not considered required and may be used for guidance and information.

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TABLE I. Required documents and corresponding applicability data.

DOCUMENT NUMBER:	DOCUMENT TITLE:	APPLICABILITY:	REFERENCED BY:
<u>First Tier (1 of 8 documents)</u>			
MIL-C-6781	Control Panel: Aircraft Equipment, Rack or Console Mounted	Classification paragraph	MIL-M-18012B
<u>Second through Fifth Tiers</u>			
All second through fifth tier references, tiered to MIL-C-6781, are for guidance and information.			
<u>First Tier (2 of 8 documents)</u>			
MIL-P-7788	Panels, Information, Integrally Illuminated	Classification paragraph	MIL-M-18012B
<u>Second through Fifth Tiers</u>			
All second through fifth tier references, tiered to MIL-P-7788, are for guidance and information.			
<u>First Tier (3 of 8 documents)</u>			
FED-STD-595	Colors	Color Numbers: 36231, 37038, 37875, 33538	MIL-M-18012B
<u>Second Tier</u>			
FED-STD-141	Paint, Varnish, Lacquer and Related Materials: Methods of Inspection, Sampling and Testing	Method 6101 (gloss) and Method 4250 (color matching)	FED-STD-595
The remaining second tier references, tiered to FED-STD-595, are for guidance and information.			

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TABLE I. Required documents and corresponding applicability data-Continued.

DOCUMENT NUMBER:	DOCUMENT TITLE:	APPLICABILITY:	REFERENCED BY:
<u>Third through Fifth Tiers</u>			
All third through fifth tier references, tiered to FED-STD-595, are for guidance and information.			
<u>First Tier (4 of 8 documents)</u>			
MIL-STD-203	Aircrew Station Controls and Displays: Assignment, Location and Actuation of, For Fixed Wing Aircraft	Display-control relationship	MIL-M-18012B
<u>Second through Fifth Tiers</u>			
All second through fifth tier references, tiered to MIL-STD-203, are for guidance and information.			
<u>First Tier (5 of 8 documents)</u>			
MIL-STD-250	Aircrew Station Controls and Displays for Rotary Wing Aircraft	Display-control relationship	MIL-M-18012B
<u>Second through Fifth Tiers</u>			
All second through fifth tier references, tiered to MIL-STD-250, are for guidance and information.			
<u>First Tier (6 of 8 documents)</u>			
MIL-STD-411	Aircrew Station Signals	Requirements for warning lights and caution lights for other aircrew stations	MIL-M-18012B
<u>Second through Fifth Tiers</u>			
All second through fifth tier references, tiered to MIL-STD-411, are for guidance and information.			

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TABLE I. Required documents and corresponding applicability data-Continued.

DOCUMENT NUMBER:	DOCUMENT TITLE:	APPLICABILITY:	REFERENCED BY:
<u>First Tier (7 of 8 documents)</u>			
MS33558C	Numerals and Letters, Aircraft Instrument Dial, Standard Form of	Entire Document	MIL-M-18012B
<u>Second through Fifth Tiers</u>			
Contains no reference documents.			
<u>First Tier (8 of 8 documents)</u>			
MS33585	Pointers, Dial, Standard Design of Aircraft Instrument	Entire Document	MIL-M-18012B
<u>Second Tier</u>			
MS33558C	Numerals and Letters, Aircraft Instrument Dial, Standard Form of	Entire Document	MS33585
<u>Third through Fifth Tiers</u>			
Contains no reference documents.			

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**Custodians:**

**Army - AV**

**Navy - AS**

**Air Force - 11**

**Preparing activity:**

**Navy - AS**

**(Project No. 15GP-0084)**