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FSCM 81755

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REPORT NUMBER: 16PR070S
Date: 21 May 2003
Superseding: 16PR070R

FINISH CODES FOR F-16 AIR COMBAT FIGHTER

1 SCOPE

1.1 PURPOSE - This report contains the finishing codes and related finishing combinations for use on F-16 aircraft in accordance with the requirements of FPS-3001. FPS-3001 is the basis for selection of codes that will be specified on engineering drawings. The drawings will reference FPS-3001 as the applicable document without reference to the revision letter. Reference herein to FPS-3001 shall be understood to refer to the current revision of FPS-3001 and Specification Change Notices (SCN's) attached thereto.

2 USE OF FINISH CODES

2.1 Codes within this document have been established for incorporation in the "FINISH" column of the Parts List (PL). Between formal revisions, changes and additions will be made by internal memo and will take effect once the memo is released by Materials and Processes Engineering. Finish codes shall be retained in this document for effectivity reasons even if the finish combination has become obsolete.

2.2 FINISH CODES - Finish codes are listed in Appendix A of this document. Appendix A is divided into sections, with each section listing the finish codes pertaining to a different class of substrate material. The sections are as follows:

Section A - Aluminum Alloys
Section D - Non-Corrosion Resistant Steel Alloys
Section E - Plastic, Glass Reinforced Plastic, and Graphite Composite
Section F – FSX/F-2 Special Use Codes
Section N - Copper and Nickel Alloys
Section R - Special Finishes
Section S - Corrosion Resistant Alloys
Section T - Titanium Alloys
Section W - Restricted Finishes

Each finish code consists of a letter prefix, designating basic substrate type, and a sequential three digit number, designating the individual finish sequence. In no instance shall the letter prefix of numbers be used separately in the Parts List. The finish for bonded assemblies containing multiple materials will be covered under codes in Section R. The finish codes translate the cleaning and finishing requirements of FPS-3001 for Engineering drawings and planning.

2.3 BASIC ELEMENTS - Each finish code consists of basic elements listed in steps that define the cleaning and surface treatment, and the paint coating requirements. The basic elements are listed in Appendix B. Finish codes for several alloys also provide basic elements for restoration of finish that was removed by planning required action only, after the part had been finished. Where Engineering assembly or installation drawings call for removing finish (e.g., for spotface), the drawing must specify in a note to restore finish by the restoration basic element. The designer should use the rationale given in Para. 2.4 for selecting the proper finish code for the part.

Selected surface treatment basic elements as shown in the finish codes which are peculiar to individual metals have been specified with a letter prefix when subsequent paint coatings are not applied, e.g., S146. This requires that the CRES part be passivated per FPS-3007, metal removal not permitted. These are shown in the applicable code sections.