(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (2 coats).

Step 3 - Surface treatment requirement for aluminum is specified in 3.1.1, with noted exceptions in 3.1.1.1 through 3.1.1.5. None of the exceptions apply to this part. Surface treatment requirements are as follows:

(1) Clean with mild abrasives, solvents, vapor or solution degreasing, inhibited alkaline cleaners, or approved acid cleaners.

(2) Anodize per MIL-A-8625 Type I, or FPS-3090.

(The basic element for these is 111, which covers both cleaning and anodize.)

Step 4 - Complete finish requirements are:

(1) Clean per para. 3.1.1(a) and anodize per MIL-A-8625 Type I, or FPS-3090 (Basic element 111).

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 primer (2 coats) (Basic element 204).

Step 5 - Proper code for the complete finishing requirements, specified in A-Aluminum Alloys, is as follows:

A403 - PRIMER, BARE 2000 AND 7000 SERIES ALUMINUM ALLOYS
A) ANODIZE ALL SURFACES PER 111.
A) PRIME ALL SURFACES TWO COATS PER 204 (OR 245).
A) TOUCH UP AS REQUIRED PER 236.

EXAMPLE NO. 2 - Finish Code for D6ac support bracket heat treated to 220-240 ksi F_{tu} and located interior in a non-fuel area with thermal environment less than 450°F with primer to be omitted in close tolerance holes.

Step 1 - Support bracket should be Basic Interior Finish, Para. 3.4 of FPS-3001.

Step 2 - Material of construction is D6ac steel, 220-240 ksi strength range. D6ac is a non-corrosion resistant steel alloy requiring plating (FPS-3001 Para. 3.1.4). Para. 3.4.5 specifies finish for plated alloys as follows:

(1) Clean and surface treat per 3.1 in accordance with alloy.

(2) FMS-3027, MIL-PRF-23377, or MIL-PRF-85582 epoxy primer (1 coat).

Step 3 - Surface treatment requirement for non-corrosion resistant steel alloys is specified in 3.1.4, with noted exceptions in 3.1.4.4 through 3.1.4.10. None of the exceptions apply to this part. Surface treatment requirements of 3.1.4.3 are as follows:

Clean per FPS-3001, Para. 3.1.4 and cadmium plate per the following specifications:

(1) FPS-1007, Grade B, Type II, Class 2 or

(1) MIL-C-8837, Type II, Class 2 as an alternate if vendor is not qualified for plating FPS-1007, Grade B.

(Both cleaning and cadmium plating are covered in basic elements 122 and 123.)

Step 4 - Complete finishing requirements are: