

DATE 11 August 1964

SHEET 1 OF 5

TMC SPECIFICATION NO. S-857

0

*J*  
COMPILED

CHECKED

TITLE:

APPROVED *J*

CONTROL OF NEW ITEMS  
IN TMC STOCK NUMBERING SYSTEM



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NUMBERING SYSTEM

Our company sales program has constantly emphasized the fact that we manufacture the major portion of our equipment from an established parts catalog. Advantages of such a program are: fewer parts to be maintained for replacement; proven parts items; reduced obsolescence of repair parts inventory, for the customer. Here in the company, we enjoy a reduction in cost in several ways; including the savings in paper work and a better buying position.

The number of items currently being added to our list is considered to be in excess of our needs, if our engineering practices are carefully directed toward achieving a maximum of usability of existing listed items.

A new part will not be introduced into our present enormous list until it has been thoroughly established that the part is peculiar and none in the Standards list will fit the need.

To effect a standard approach toward control of list items, the following procedure is to be used:

- I. Procedure to introduce new component into TMC Standards.
  - A. A new part shall not be used until it has been established that the part is different than those standards already assigned in the Standards list.
  - B. If a part can be selected from Standards list, which may be close in size, tolerance, or other slight

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I. B. (continued)

variance; the Project Engineer must decide that it will or will not function properly in the system in design.

C. After establishing the need for a new component, all important electrical and mechanical characteristics must be given on the "New Part Request Form" (Standards Form SSF-7) with a preliminary drawing if necessary.

The submission of the request must be done in a timely fashion, and PRIOR TO THE DESIGN OF THE ITEM INTO THE END ITEM EQUIPMENT.

D. The request form is then sent to the Director of Engineering Standards for approval.

E. Standard Section will review the request and determine if specifications are satisfactory and complete. If not complete, necessary information will be requested from the Project Engineer. Standards will approve the request and preliminary drawing; assign new part number; then, submit these to Drafting Department for finalization.

II. Introduction of a new part to replace an existing part in System.

A. A requirement must be established by reason of economy, improved performance, higher reliability, reduction of inventory or discontinued item by manufacturer.

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**NUMBERING SYSTEM**

- II. B. Lists of all equipment in which the old part is used must be obtained and reviewed.
- C. The electrical and mechanical specifications will be checked to determine compatibility with existing part.
- D. Performance of each equipment with the new part installed must be evaluated.
- E. Military provisioning should be checked to determine if the new part can be introduced into existing equipment, or only into new equipment.
- F. Spare parts problem: spare parts' list must be reviewed.
- G. Existing stock should be depleted before using the new part on old equipment.
- H. Approval from the Director of Engineering Standards will be obtained after it has been established the new part can be introduced into the System.
- I. More than one source should be established for the new part in co-operation with Purchasing Department.
- J. Upon approval, Standards Section will assign the new TMC part number and will proceed to introduce the new component into the TMC Standard System.
- K. Drafting Department will be furnished all preliminary specifications and drawings for finalization.

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NEW PART REQUEST

DATE \_\_\_\_\_ ORIG. BY \_\_\_\_\_  
PROJECT \_\_\_\_\_

NAME OF ITEM \_\_\_\_\_  
 DESCRIPTION \_\_\_\_\_  
 MFG. NAME & CAT. NO. \_\_\_\_\_  
 MIL. SPEC. \_\_\_\_\_  
 REASON FOR REQUEST \_\_\_\_\_

APPROVAL BY DIR. OF ENG. STANDARDS \_\_\_\_\_ DATE \_\_\_\_\_

STANDARDS APPROVAL OR COMMENTS \_\_\_\_\_ DATE \_\_\_\_\_

TMC PART NUMBER ASSIGNED \_\_\_\_\_

FORM SSF-7