

**NOTICE OF
CHANGE**

NOT MEASUREMENT SENSITIVE

MIL-STD-961C
NOTICE 1
8 November 1988

**MILITARY STANDARD
MILITARY SPECIFICATIONS AND ASSOCIATED DOCUMENTS,
PREPARATION OF**

TO ALL HOLDERS OF MIL-STD-961C:

1. THE FOLLOWING PAGES OF MIL-STD-961C HAVE BEEN REVISED AND SUPERSEDE THE PAGES LISTED:

NEW PAGE	DATE	SUPERSEDED PAGE	DATE
13	8 November 1988	13	20 May 1988
14	8 November 1988	14	20 May 1988
43	8 November 1988	43	20 May 1988
44	20 May 1988	44	REPRINTED WITHOUT CHANGE

2. RETAIN THIS NOTICE AND INSERT BEFORE TABLE OF CONTENTS.

3. Holders of MIL-STD-961C will verify that page changes and additions indicated above have been entered. This notice page will be retained as a check sheet. This issuance, together with appended pages, is a separate publication. Each notice is to be retained by stocking points until the military standard is completely revised or canceled.

AMSC D4397

AREA SDMP

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MIL-STD-961C
NOTICE 1

Custodians:

Army - AR
Navy - SH
Air Force - 11
DLA - DH

Preparing activity:
OSD - SO

(Project SDMP-0005)

Review activities:

Army - AL, AT, AV, CR, EA, ER, GL, LM,
MD, ME, MI, MR, SC, SM, TE
Navy - AS, EC, MC, OS, SA, YD
Air Force - 10, 14, 16, 17, 19, 23, 26,
43, 69, 85, 99
DLA - CS, CT, DM, DP, ES, GS, IP, IS, PS, SS
DNA - DS

User activities:

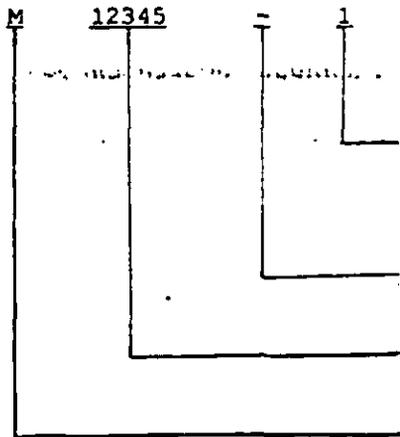
Army - CE, MT, TM
Navy - CG
Air Force - 68, 70, 79, 82

4.3.6 Use of copyright or patent material. Copyright or patent material shall not be included in a specification without the prior consent of the copyright or patent owner. When such consent is obtained, a credit line, if requested by the copyright or patent owner, shall be placed in the specification close to the material involved.

4.4 Part or Identifying Number (PIN). When a military specification covers more than one part, item, or material that is subject to assignment of National Stock Numbers and an identification problem in the Federal Supply System may result, a specification-based PIN to identify the parts, items, or materials shall be included. If a PIN is need, its construction shall be provided by the DoD activity requiring it. PIN's shall be kept short and shall not exceed 15 characters. If it is considered that such a limitation cannot be adhered to, a proposed deviation with detailed justification shall be submitted through the DepSO to DPSO for approval. PIN's shall be uniform for all parts covered by the same specification. Uniformity is also preferred for all PIN's within the same group of closely related items. PIN's for material shall be assigned in the same product increments as the items to be stocked, and shall specify the various commercially available sizes and other sizes, as needed. PIN's need not be applied retroactively to specifications wherein a part numbering system is already in use; however, the adoption of a PIN should be considered upon revision of such specification. When using "Used in lieu of" documents, the "00" prefix shall not be included as a part of the PIN.

a. For stand alone specifications, the part numbering system shall be as follows:

M 12345 - 1 Example of PIN: M12345-1



- Dash number consisting of numbers, letters, or combinations thereof. Codes may be assigned to variable characteristics of the item and used in the makeup of the dash number (for example, tolerances, materials, temperature ratings, finishes, reliability, etc.).

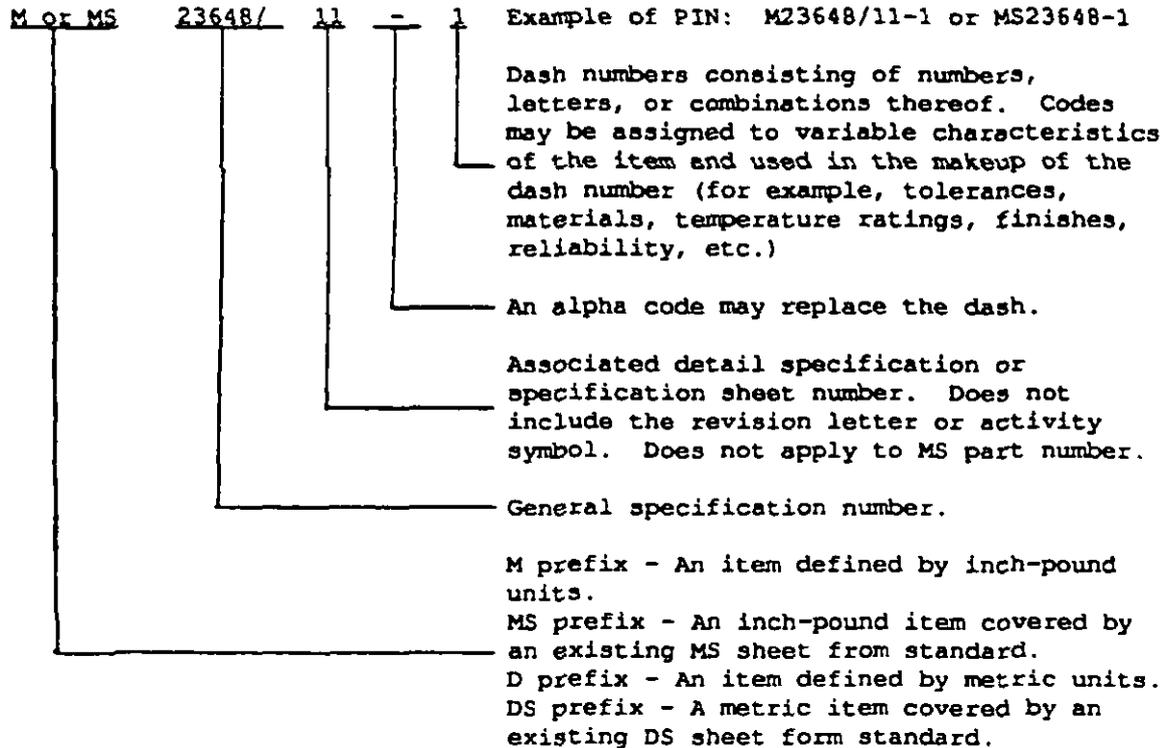
An alpha code may replace the dash.

Specification number. Does not include the revision letter or activity symbol.

M prefix - An item defined by inch-pound units.

D prefix - An item defined by metric units.

b. For associated detail specifications or specification sheets, the PIN shall be as follows:



4.5 Type designations. If practicable and a definite need has been established, type designations may be used to supplement basic item names in titles of specifications. When used,, they shall be standardized for a category of equipment, such as communication, electronic , photographic, aeronautical support, aircraft, missiles, engines (rocket, reciprocating aircraft), and trucks. Only one type designation shall be assigned for items or equipment physically and functionally interchangeable. Type designations shall not be used for the purpose of assigning a PIN to components and parts. They shall be used for designating the class, grade, or type of an item or equipment for specification purposes only. Existing specifications using type designations shall not be amended for the sole purpose of deleting type designations.

4.6 Systems for type designations. In standardizing type designations, industrial or commercial systems of designations that have industry wide acceptance and are acceptable for military use without modification shall be adopted without establishing military type designations. In the absence of existing widely accepted type designations, the military specification shall establish the methods or systems of type designations and the methods and procedures for assigning them in a category of items or equipment.

4.7 Contractual and administrative requirements. A specification shall not include contractual requirements that are properly a part of the contract, such as cost, quantity required, time or place of delivery, methods of payment, liquidated damages, rework, repair, resubmittal, requirements for preparation,

a. Periodic feedback of test data including frequency of submittal.

b. Complete requalification testing including frequency. Where multi-level reliability requirements are specified, the inspection provision applicable to qualification shall cover inspection for each level of qualification as well as for periodic qualification reevaluation.

c. Certification by manufacturer.

5.3.4.9 Tabulation of examinations and tests. When the tests specified for such qualification inspection requirements differ from the tests specified for quality conformance, the applicable tests shall be presented in tabular form with appropriate reference to corresponding technical requirements and test methods.

5.3.4.10 Quality conformance inspection. The examination and tests listed in section 4 of the specification to determine conformance with sections 3 and 5 requirements, shall include, when necessary, as measurement or comparison with specified characteristics and checks and tests of the performance and reliability requirements. Since each specification item must meet all sections 3 and 5 requirements, the test methods in section 4 of the specification are the minimum inspection and test methods to be performed to demonstrate compliance to the specification requirements.

5.3.4.10.1 Quality conformance inspection sampling. Sampling inspection is a valuable, acceptable tool for verification of compliance with specification requirements. Specifications may state that sampling inspection for the purpose of determining compliance is acceptable. Fixed acceptable quality levels and lot tolerance percent defectives with associated specific sampling plans, however, shall not be included as specification requirements. Guidance regarding the selection and use of acceptable quality levels and lot tolerance percent defectives and associated specific sampling plans may be included in section 6.

5.3.4.11 Classification of quality conformance inspections. Quality conformance inspections should be classified into groups A, B, C, or D in accordance with the following groupings, when applicable:

Group A - Nondestructive inspections of all items produced or all samples from an inspection lot to demonstrate product compliance with contractual requirements. Group A inspection examines characteristics most affected by variations in production processes or skills and functions vital to successful completion of the design mission.

Group B - Generally nondestructive inspections that are more complex or of a longer duration than group A inspection. Group B inspection examines characteristics more affected by part or equipment quality and less affected by variations in production processes or skills, and functions requiring special fixtures or environments, and tests that are more complex and of longer duration than group A tests. Fewer samples are inspected than

for group A inspection and tested articles may be offered for acceptance with little or no refurbishment. Each commodity should be individually evaluated regarding its issue after performing group B and C inspections.

- Group C - Periodic and generally destructive tests of characteristics depending upon product design and materials. Group C inspection consists of more complex tests, usually including simulated service environments, is generally destructive, or may require major refurbishment before tested articles can be used by the services. Tests are performed on fewer samples than for group B inspection and are based on production quantities or time period.
- Group D - Destructive tests or tests of long duration that consume all or a considerable portion of design service life. Articles subjected to group D inspection shall not be issued. Tests are performed on few samples based on production quantities or time period.

5.3.4.12 Tabular listing of quality conformance inspection. Where it will lead to a better understanding of their functions, the inspection shall be listed as group A, B, C, or D in tabular form with appropriate references to the applicable requirements, and examination or test methods as illustrated below:

"4.4 Quality conformance inspection. Quality conformance inspections shall be as specified in table II.

TABLE II. Quality conformance inspection.

Inspection	Requirement paragraph	Test paragraph
Group A		
Dimensions.....	3.4.1	4.4
Visual.....	3.4.2	4.5
Group B		
Barometric pressure.....	3.5	4.7.1
Temperature cycling.....	3.8	4.7.4
Group C		
Vibration.....	3.6	4.7.2
Salt spray (corrosion).....	3.7	4.7.3
Shock.....	3.9	4.7.5
Moisture resistance.....	3.10	4.7.6
Group D		
Life.....	3.12	4.7.8