

**MIL-STD-789C**  
**14 OCTOBER 1983**  
**SUPERSEDING**  
**MIL-STD-789B**  
**15 MAY 1970**

# **MILITARY STANDARD**

**CONTRACTOR TECHNICAL INFORMATION**  
**CODING OF REPLENISHMENT PARTS**



AMSC - N2675

AREA - MISC

MIL-STD-789C  
14 October 1983

DEPARTMENT OF DEFENSE  
WASHINGTON, D.C. 20301

Contractor Technical Information Coding of Replenishment Parts.

MIL-STD-789C

1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense.

2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer, Naval Air Engineering Center, Engineering Specifications and standards Department (ESSD) Code 93, Lakehurst, New Jersey 08733 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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1. SCOPE

1.1 Scope. This Standard provides a procedure for obtaining:

- a. Contractor technical information regarding selected parts for contractor-furnished equipment.
- b. Identification data needed to enable the Government to acquire such parts.

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## 2. REFERENCED DOCUMENTS

2.1 Issues of documents. The following documents of the issue in effect on date of invitation for bids or request for proposal form a part of this standard to the extent specified herein:

### SPECIFICATION

#### MILITARY

MIL-C-6021 - Castings, Classification and Inspection

#### PUBLICATIONS

##### Department of Defense

DoD Replenishment Parts Breakout Program, Defense Acquisition Regulation (DAR) Supplement No. 6

#### HANDBOOKS

##### MILITARY

- H4-1 - Federal Supply Code for Manufacturers, Name to Code
- H4-2 - Federal Supply Code for Manufacturers, Code to Name
- H4-3 - NATO Supply Code for Manufacturers

#### FORMS

DD Form 1418, Contractor Technical Information Record  
DD Form 1418-1, Technical Data Identification Check List

(Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be *obtained* from the procuring activity or as directed by the contracting officer.)

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### 3. DEFINITIONS

3.1 Definitions used in this standard. For the purpose of this standard the following definitions shall apply.

3.1.1 Actual manufacturer. A manufacturer (who may or may not be the prime contractor) having the design control responsibility for a part. The actual manufacturer may produce the part in house or by subcontracting.

3.1.2 Contractor Data Requirements List (CDRL - DD Form 1423). A contract form listing all contractually deliverable data except standard Defense Acquisition Regulation (DAR) clauses made part of the contract.

3.1.3 Contractor Technical Information Code (CTIC). An alpha code assigned by a prime contractor to furnish specific information regarding the technical data for a part.

3.1.4 Design control activity. A contractor or government activity having responsibility for the design of a given part and for the preparation and currency of engineering drawings and other technical data for the part.

3.1.5 FSCM. The Federal Supply Code for Manufacturers (FSCM) is a coding system of five-digits assigned to establishments which are manufacturers or have design control responsibility of items of supply acquired by agencies of the Federal Government.

3.1.6 Prime contractor. A contractor having responsibility for design control and delivery of a system/equipment such as aircraft, engines, ships, tanks, vehicles, guns and missiles, ground communications and electronic systems, ground support, and test equipment.

3.1.7 Replenishment part. A part, repairable or consumable, purchased after provisioning of that part for: replacement; replenishment of stock; or use in the maintenance, overhaul, and repair of equipment such as aircraft, engines, ships, tanks, vehicles, guns and missiles, ground communications and electronic systems, ground support, and test equipment. As used in this standard, except when distinction is necessary, the terms "parts" includes, subassemblies, components, and subsystems.

3.1.8 Reviewing DoD component. An acquiring DoD component or other activity in the Department of Defense responsible for reviewing a contractor's technical information and assigning acquisition method codes.

3.1.9 Technical data. Specifications, plans, drawings, standards, purchase descriptions, and such other data to describe the government's requirements for acquisition.

3.1.10 Verification meeting. A meeting of a reviewing DoD component and contractor's representatives held for the purpose of reviewing the contractor's technical information codes.

3.1.11 Verification team. A group of reviewing DoD component's representatives assigned responsibility for reviewing contractor's technical information codes and substantiating data.

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#### 4. GENERAL REQUIREMENTS

4.1 Prime contractor/DoD component relationship. The prime contractor shall incorporate in his orders or subcontracts a provision requiring compliance with the requirements of this standard. When parts are designated by a DoD component to be coded, the prime contractor will review them prior to forwarding to the subcontractor/vendor/supplier to ascertain that design responsibility rests with that source. Those subcontractor/vendor/supplier parts for which design responsibility has been retained by the prime contractor will be coded by the prime contractor. The recommended codes for parts referred to subcontractor/vendor/supplier will be submitted through the prime contractor to the reviewing DoD component.

4.2 Contractor Technical Information Codes (CTIC). The following codes will be used by contractors, when contractor's assistance is requested:

a. CTIC CB. Source(s) are specified on "Source Control", "Altered Item", or "Selected Item" drawings/documents. (The contractor shall furnish a list of the sources with this code.)

b. CTIC CC. Requires engineering source approval by the design control activity in order to maintain the quality of the part. An alternative source must qualify in accordance with the design control activity's procedures, as approved by the cognizant Government engineering activity.

c. CTIC CG. There are no technical restrictions to competition.

d. CTIC CK. Produced from class 1A castings (e.g., class 1 of MIL-C-6021) and similar type forgings. The process of developing and proving the acceptability of high-integrity castings and forgings requires repetitive performance by a controlled source. Each casting or forging must be produced along identical lines to those which resulted in initial acceptability of the part. (The contractor shall furnish a list of known sources for obtaining casting/forgings with this code.)

e. CTIC CM. Master or coordinated tooling is required to produce this part. This tooling is not owned by the Government, or where owned, cannot be made available to other sources. (The contractor shall furnish a list of the firms possessing the master or coordinated tooling with this code.)

f. CTIC CN. Requires special test and/or inspection facilities to determine and maintain ultra-precision quality for function or system integrity. Substantiation and inspection of the precision or quality cannot be accomplished without such specialized test or inspection facilities. Other sources in industry do not possess, nor would it be economically feasible for them to acquire facilities. (The contractor shall furnish a list of the required facilities and their locations with this code.)

g. CTIC CP. The rights to use the data needed to purchase this part from additional sources are not owned by the Government and cannot be purchased.



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h. CTIC CV. A high reliability part under a formal reliability program. Probability of failure would be unacceptable from the standpoint of safety of personnel and/or equipment. The cognizant engineering activity has determined that data to define and control reliability limits cannot be obtained nor is it possible to draft adequate specifications for this purpose. Continued control by the existing source is necessary to ensure acceptable reliability. (The contractor shall identify the existing source with this code.)

i. CTIC CY. The design of this part is unstable. Engineering, manufacturing or performance characteristics indicate that the required design objectives have not been achieved. Major changes are contemplated because the part has a low process yield or has demonstrated marginal performance during tests or service use. These changes will render the present part obsolete and unusable in its present configuration. Limited acquisition from the present source is anticipated pending configuration changes. (The contractor shall identify the existing source with this code.)

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## 5. DETAILED REQUIREMENTS

5.1 Changes to codes. The Government shall notify the contractor 15 days prior to changing an Acquisition Method Code 3 or 5 when the contractor performed in accordance with MIL-STD-789.

5.2 Contractor responsibility.

5.2.1 Identification of previously coded parts. If a DoD component designates a part for coding and that part has been previously coded by the contractor within the retention period specified in paragraph 5.3.5.3, the contractor will identify the code and the DoD component to which the code was previously submitted. This identification shall include the name and address of the DoD component, Design Activity Code and part number, the National Stock Number (NSN) of the item, if known, and the contractor number (if readily available) under which it was reviewed and coded. This identification will be submitted at the time the other CTIC's are submitted to the DoD component.

5.2.2 Additional coding. When the contractor concludes that parts not designated by a DoD component should be coded, he will advise the DoD component by submitting a separate list of such parts. The DoD component will review the list and advise the contractor whether analyses and coding are desired. For purposes of establishing performance criteria and delivery schedules an affirmative response by the DoD component shall be considered an initial designation of parts to be analyzed by the contractor.

5.2.3 Latest design configuration. In the event a part designated for screening has been superseded by a later configuration, the contractor will so indicate and submit a CTIC on the superseding part. If the superseded part is still active on a previously delivered production system, the contractor will submit CTIC for both the superseded and superseding part.

5.2.4 Unstable design. In the event a part designated for screening is currently involved in a design change, the contractor will notify the contracting DoD component and provide the target date for the submission of the CTIC for the final configuration.

5.3 Procedure

5.3.1 Parts designated by DoD components. The contractor shall analyze and code parts designated by the DoD component.

5.3.2 Analyses of parts. Analyses should be conducted in the simplest and most economical manner possible. No prescribed method of analysis is suggested except that the CTIC selected shall be the most pertinent criterion that pertains. If it is obvious to the reviewer that there is a choice of two or more supportable codes, the one which is most conclusive should be recommended. Rights to data and technical evaluation guidance for assignment of codes is contained in the Defense Acquisition Regulation (DAR).

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5.3.3 Substantiation. Technical information/identification data substantiation includes: (a) DD Form 1418 (section I through IX) (see Appendix A), (b) DD Form 1418 - 1 (see Appendix A) when required by 5.3.4, (c) a copy of each document listed on DD Form 1418-1, and (d) other substantiating data that was used in developing the contractor's recommendations, such as, Special Tool/ Special Test Equipment list, predetermination in rights letter, form reliability program documentation, program operation sheet, etc. The contractor shall use DD Form 1418 for recording these other substantiating data. Substantiating data of (c) above shall be an attachment to DD Form 1418-1, and (d) above shall be an attachment to DD Form 1418. All errors on the forms revealed during verification of CTIC's shall be corrected before delivery is made to the DoD activity.

5.3.4 Technical Data Identification Check List. A DD Form 1418-1 shall be completed for each part coded CB, CC, CG, CM, and CN (See Appendix A).

5.3.5 Verification meeting. A meeting will normally be held at a contractor's facility for the purpose of reviewing CTIC's and substantiating data. Contractors qualified personnel shall participate in these reviews.

5.3.5.1 When a verification meeting is held, the contractor shall provide copies of the substantiating data used to arrive at the code, copies of the DD Form 1418 and DD Form 1418-1, and applicable drawings and test specifications for use by the verification team.

5.3.5.2 When the reviewing DoD component has decided that a verification meeting will not be held and has notified the contractor, the DD Forms 1418 shall be forwarded to the reviewing DoD component with copies of the DD Forms 1418-1 and the top drawing and test specification for each part coded. All data except the DD Form 1418 and DD Form 1418-1 shall be returned to the contractor upon request.

5.3.5.3 The contractor shall retain records of the latest analyses and substantiation and be prepared to furnish substantiation of CTICs for a period of three years after submission of the data. Only the minimum detail necessary to substantiate the CTICs need be maintained. Contractors' substantiating data may include references to other data or records, e.g., engineering data, formal reliability program records, etc., that are available for inspection. The maintenance of these CTIC records will be for updating CTIC packages/codes due to engineering design and drawing changes.

5.3.6 Disagreement with CTIC. Disagreement as to which of two or more equally applicable and substantiated CTICs are appropriate shall not be a basis for rejecting a CTIC. However, the CTIC which has the maximum impact should be the one selected, e.g., CTIC CB (source controlled) should be the one selected when the part also requires special test equipment.

5.3.7 Delivery. CTICs and substantiating data shall be submitted within the time specified in the contract incorporating this standard.

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5.3.8 Technical data. The contractor's submission of DD Form 1418-1 will constitute a requirement for the contractor to supply the data needed to enable the Government to acquire the part. This will be supplied under the data item on the DD Form 1423 that sets forth the data to be acquired under the contract in which this standard has been incorporated; however, if the contractor has previously delivered or is otherwise obligated to deliver such data to the Government, he will state when it was or will be delivered and where it was delivered, and identify the contract involved.

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6. NOTES

6.1 Government responsibility.

a. Parts designated for coding. It is the responsibility of DoD components to designate the specific parts for which the contractor will submit CTICs.

b. Assignment of Acquisition Method Code/Acquisition Method Suffix Code (AMC/AMSC). Government personnel shall complete Section IX of DD Form 1418.

6.2 Government inspection and acceptance of contractor's submission.

Inspection and acceptance for conformance with the general requirements of this standard, i.e., format, documentation, etc., be performed by the DoD component assigned responsibility for administration of the contract incorporating this standard. Acceptance of CTICs should be made without regard to disagreements in paragraph 5.3.6 or final AMC decisions when the contractor has complied with the requirements of this standard.

Custodians:

Army - AV  
Navy - AS  
Air Force - 26

Preparing Activity:

Navy - AS  
Project No. MISC-OC97

Review Activities:

Army - MI, TM, AR  
Navy - EC, OS, SA, SH, MC  
Air Force - 01, 10  
DLA - DH, ES, GS, CS

User Activities:

Air Force - 11, 13, 19, 79, 99

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APPENDIX A  
DATA REQUIREMENTS

10. GENERAL.

10.1 Scope. This appendix identifies the data requirements applicable to this standard.

10.2 Purpose. The data requirements of this standard are used to acquire and transmit data identification and codes of contractors concerning technical information for designated replenishment parts.

20. REFERENCED DOCUMENTS.

Not Applicable.

30. DEFINITIONS.

Not Applicable.

40. GENERAL REQUIREMENTS.

Not Applicable.

50. DETAIL REQUIREMENTS.

50.1 Data. When this specification is used in an acquisition which incorporates a DD Form 1423, Contract Data Requirements List (CDRL), the data requirements identified below shall be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved CDRL incorporated into the contract. When the provisions of DAR 7-104.9 (n) (2) are invoked and the DD Form 1423 is not used, the data specified below shall be delivered by the contractor in accordance with the contract or purchase order requirements. Deliverable data required by this specification is cited in the following paragraphs.

Paragraph No.	Data requirement title	Applicable DID no.
5.3.3	Contractor Technical Information Coding of Replenishment Parts	DI-P-7128
5.3.4	Technical/Data Identification Check List	DI-P-7129

(Data item descriptions related to this specification, and identified in Section 6 will be approved and listed as such in DoD 5000.19L., Vol, II, AMDSL. Copies of data item descriptions required by the contractors in connection with specific acquisition functions should be obtained from the Naval Publications and Forms Center or as directed by the contracting officer.)

**INSTRUCTIONS:** In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

**NOTE** This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

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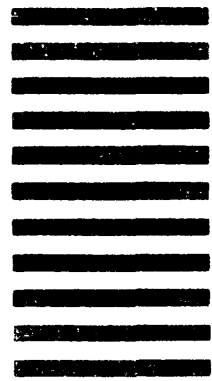
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## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-STD-789C		2. DOCUMENT TITLE CONTRACTOR TECHNICAL INFORMATION CODING OF REPLENISHMENT PARTS	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one) <input type="checkbox"/> VENDOR <input type="checkbox"/> USER <input type="checkbox"/> MANUFACTURER <input type="checkbox"/> OTHER (Specify): _____	
b. ADDRESS (Street, City, State, ZIP Code)			
5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
b. Recommended Wording:			
c. Reason/Rationale for Recommendation:			
6. REMARKS			
7a. NAME OF SUBMITTER (Last, First, MI) - Optional		b. WORK TELEPHONE NUMBER (Include Area Code) - Optional	
c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional		8. DATE OF SUBMISSION (YYMMDD)	

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