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MIL-STD-40000(AT)
30 April 1991

MILITARY STANDARD

PARTS CONTROL PROGRAM FOR NONDEVELOPMENTAL ITEMS (NDIs)

AMSC A6042 AREA MISC

F O R E W O R D

1. This standard is approved for use by the U.S. Army Tank-Automotive Command, Department of the Army, and is available 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: U.S. Army Tank-Automotive Command, ATTN: AMSTA-GDS, Warren, MI 48397-5000, by using the self addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

3. This standard utilizes the parts control procedure in nondevelopmental systems. The procedure detailed within is applicable to both contractor and Government.

4. The requirements for an effective parts control program are established in this standard by specifying the provisions that must be incorporated into the NDI acquisition contract, by defining the responsibilities of the various government organizations (functions) and the contractor, and by detailing the parts control review procedures to be followed.

C O N T E N T S

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1. SCOPE

1.1 Purpose. The purpose of this standard is to specify the requirements for conducting an effective parts control program in the acquisition of an NDI system from time of contract award and continuing through the operational (fielding) phase of the system.

1.2 Objectives. The objectives for applying the parts control engineering review provisions of this standard in an NDI acquisition contract are:

a. To conserve resources and reduce life-cycle costs by minimizing the introduction of new replacement items into the military supply system.

b. To maximize the use of established standard parts and items available in the military supply system.

c. To apply engineering principles and standardization techniques to identify and select standard parts as alternatives to proposed (new) repair parts without adversely affecting the performance of the NDI system.

d. To maintain quality by use of proven items.

e. To reduce cost by non-duplication of efforts.

1.3 Application. This standard establishes the methodology of applying the essential elements of the parts control program to an NDI system where:

a. The contract statement of work is used to specify the actions to be taken and the data that must be furnished by the contractor to support the government's parts control engineering reviews.

b. The responsibilities of the various government organizations (functions) and the contractor are defined to assure:

(1) That the data to support the parts control program is adequate and available when needed.

(2) That responsibilities are clearly defined to eliminate duplication of effort.

(3) That the parts control engineering reviews are efficiently integrated with other on-going activities that must be accomplished.

(4) That the parts control engineering review decisions are properly implemented in technical and logistics records.

1.4 Major phases of an NDI acquisition strategy. For purposes of this standard. NDI acquisition strategy is divided into the following major phases:

a. Phase I-Requirement Definition/Planning.

b. Phase II-Acquisition.
   (1) Part number screen
   (2) Parts control engineering review

c. Phase III-Operational use/deployment.
   (1) Engineering change proposals (ECPs).

The parts control program provisions of this standard are applied in the acquisition phase during the part number screen and during the parts control engineering review prior to assignment of NSNs. To a lesser extent, parts control engineering reviews are conducted on all proposed repair parts that are the result of ECP action in the operational use/deployment phase.

1.5 Exclusion. This standard does not apply to government furnished property installed for delivery with the NDI system.

2. APPLICABLE DOCUMENTS

This section is not applicable to this standard.

3. DEFINITIONS

3.1 Applicability of definitions. The following definitions have been developed for use with this standard.

3.1.1 Acquisition activity. The acquisition activity is the government agency/office which has been delegated responsibility over the NDI system for acquisition, management and support purposes.

3.1.2 Contractor. An individual or company outside the U.S. Government that has been awarded a contract for the acquisition of the NDI system.

3.1.3 Data item description (DID), DD Form 1664. A DID is a completed DD Form 1664 which describes the type of data and its format, to be furnished under a contract.

3.1.4 Government furnished property (GFP). GFP is an item of supply which is furnished by the acquisition activity to the contractor for use in conjunction with the acquisition of the NDI system.

3.1.5 Item of supply. An item of supply is an item with an assigned national stock number (NSN) which is available in the military supply system.

3.1.6 NDI. An NDI process is the generic term that covers materiel available from a variety of sources with little or no development effort by the Army. NDIs are normally selected from the following sources:

a. Commercial sources (may require ruggedization or militarization).

b. Materiel developed and in use by other U.S. military services or Government agencies.

c. Materiel developed and in use by other countries.

3.1.7 NDI repair part. An NDI repair part is an item of supply that has been approved as a result of an authorized maintenance action to replace or correct a part/component of the NDI.

3.1.8 Parts control engineering review. A parts control engineering review is a comparison of the technical characteristics between a proposed replacement item and a standard part prior to assignment of an NSN (see 4.4).

3.1.9 Part number screen. A part number screen is an automated search of the Defense Logistics Service Center (DLSC) data bank for an existing part number that can be cross-referenced to the proposed replacement item prior to assignment of an NSN (see 4.4).

3.1.10 Repair part, proposed. A proposed repair part is an item identified by the contractor to be carried in the inventory in support of maintenance actions.

3.1.11 Standard part/special tool. A standard part/special tool is an item which is covered by a recognized industry standard, a federal/military specification or standard, or a military drawing. Standard parts/special tools with an assigned NSN are also referred to as items of supply.

4. GENERAL REQUIREMENTS

4.1 General. This section contains a breakdown of the steps involved in the NDI process, the scope of work in the NDI contract, and the responsibilities of both contractor and Government activities during the parts control process.

4.2 Steps. For purposes of this standard, the following steps are used to indicate the tasks/actions that must be initiated and completed for a successful parts control engineering review program:

Step 1 - NDI acquisition contract.
Step 2 - Part number screen.
Step 3 - Parts control engineering review.
Step 4 - Implementation of parts control engineering review decisions.
Step 5 - Parts control engineering reviews based on ECP actions.

4.3 Scope of work or statement of work (SOW). The SOW in the NDI contract shall include a requirement that all proposed repair parts shall be subjected to a part number screen and parts control engineering review. The SOW shall specify, as applicable, the time, place, technical data required, and by whom these actions shall be performed in accordance with the provisions of this standard.

4.4 Responsibilities during the parts control process.

4.4.1 Contractor. The contractor shall:

a. Ensure that the part numbers for the proposed repair parts reflect the lowest tier of manufacture, e.g. subcontractor's part number in lieu of contractor's part number or vendor's part number in lieu of subcontractor's part number.

b. Subject all proposed replacement items to a part number screen (match) against part numbers in the DLSC automated data bank and to complete this action prior to the provisioning conference.

c. Ensure that all part numbers for the proposed repair parts that were matched during the DLSC part number screen are cross referenced to the assigned NSNs.

d. Provide a copy of the list of the proposed repair parts that were not matched to an existing part number to the standardization activity 45 days prior to the provisioning conference.

e. Incorporate into the technical data and logistics records for the NDI systems the approved repair parts (standard parts/special tools) that resulted from the parts control engineering review.

f. Prepare and submit to the standardization function any proposed repair part based on ECP action.

4.4.2 Government activities.

4.4.2.1 Program/project/product manager (PM). The PM designated to manage the acquisition of the NDI system or a nondevelopmental component within a developmental acquisition program is responsible to ensure:

a. That the necessary contract provisions in the SOW include requirements for the contractor:

(1) To subject all proposed repair parts to a part number screen.

(2) To identify all proposed repair parts that were not matched during the part number screen for use in the parts control engineering review program.

(3) To implement the decisions made as a result of the parts control engineering review.

(4) To provide resources to accomplish the parts control engineering review.

b. That a parts control engineering review be performed on all proposed repair parts as a result of ECP action by either the contractor or the Government in accordance with the applicable provisions of this standard.

4.4.2.2 Provisioning function. The provisioning function is responsible:

a. To make all the arrangements for the provisioning conference and inform the contractor and the functional activities of the time and place.

b. To ensure that the results of the parts control engineering review are incorporated into the NDI system's maintenance records and manuals.

c. To request the materiel systems management function to obtain NSNs for the newly approved repair parts (standard parts/special tools).

4.4.2.3 Standardization function. The standardization function is responsible:

a. To conduct a parts control engineering review of the proposed repair parts upon receipt of the proposed repair parts list.

b. To consolidate and forward to the contractor the results of the parts control engineering review within thirty (30) days after receipt of the provisioning list.

c. To conduct on a continuing basis parts control engineering reviews on proposed repair parts that result from ECP action.

d. To ensure that the SOW in the NDI contract incorporates the Contract Data Requirements List (DD Form 1423).

4.4.2.4 Materiel systems management function. The materiel systems management function is responsible:

a. To initiate action to timely obtain NSNs for the newly approved repair parts (standard parts/special tools).

b. To incorporate into the logistics records for the aforementioned items the authorized actions associated with the approval of items under the parts control engineering review program.

5. DETAILED REQUIREMENTS

5.1 General. This section contains the procedure to be followed under the parts control engineering review provisions of this standard.

5.1.1 Step 1 - NDI acquisition contract. The SOW in the NDI acquisition contract shall require the contractor to perform the following tasks:

a. Identify part numbers for the proposed repair parts to the lowest tier of manufacture, e.g., subcontractor's part numbers in lieu of contractor's part numbers or vendor's part numbers in lieu of subcontractor's part numbers.

b. Subject all proposed repair parts to a part number screen.

c. Support the parts control engineering review program by identifying provisioning data that was not matched in the part number screen at the provisioning conference (see 6.3).

d. Incorporate the approved parts control engineering review decisions into the maintenance manuals and related logistics records in accordance with other provisions of the contract.

e. Subject all proposed repair parts that result from ECP action to a part number screen and a parts control engineering review in accordance with the applicable provisions of this standard prior to ECP approval.

5.1.2 Step 2 - Part number screen. The contractor shall request DLSC to process the part numbers for the proposed repair parts through their automated data bank to determine whether they can be matched to existing part numbers (see 6.3).

5.1.3 Step 3 - Parts control engineering review. The standardization activity will perform a parts control engineering review on all provisioned parts. The review will be completed prior to the provisioning conference. Results will be coordinated and implemented at the provisioning conference.

5.1.4 Step 4 - Implementation of parts control engineering review decisions.

5.1.4.1 Contractor implementation. When required under the contract, the contractor shall initiate action to obtain NSNs from DLSC through the cataloging activity for the newly approved repair parts (standard parts/special tools) and incorporate them into the maintenance manuals and provisioning/logistics records for the NDI system.

5.1.4.2 Provisioning function implementation. The provisioning function shall ensure that the parts control engineering review decisions are properly incorporated into the provisioning records for the NDI system.

5.1.4.3 Materiel systems management function. When applicable, the materiel systems management function shall initiate action to obtain NSNs from DLSC for the newly approved repair parts (standard parts/special tools) and to incorporate the parts control engineering review decisions into the DLSC logistics records.

5.1.5 Step 5 - Parts control engineering reviews based on ECP action. On an on-going basis, any proposed repair part based on ECP action shall be subjected to the applicable parts control provisions of this standard prior to approval of ECP. A design change notice shall be prepared and released to update the provisioning documentations based on the approved ECP.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. This standard is intended for use in contracts for the acquisition of NDI systems or whenever a new repair part is proposed for use on the NDI system.

6.2 Details on NDI program. Complete details about NDI programs can be found in AMC-TRADOC PAMPHLET 70-2 MATERIEL ACQUISITION HANDBOOK AMC TRADOC which contains a comprehensive discourse on NDI Army systems from inception through operational use (fielding), including NDI acquisition strategy. Briefly, NDI acquisition strategy is based on:

a. Acquisition of an item which is marketed and available from commercial sources to satisfy a materiel requirement and is capable of being supported in the field.

b. An acquisition practice with reliance upon existing data, knowledge of the marketplace, precise definition of the approved materiel requirement, and use of established procedures for acquisition by contract.

c. Avoidance of restrictive technical data requirements and special conditions. In this context, it also includes optimum selection and use of standard parts.

6.3 Data requirements. The following Data Item Descriptions (DIDs) are normally requested by the materiel systems management and the provisioning functions to perform their essential duties. Copies of this data will be forwarded by the materiel systems management function to the standardization function to accomplish their parts screening duties.

Reference Paragraph	DID Number	DID Title	Suggested Tailoring
5.1.1.c and 5.1.2	DI-V-7000A	Supplementary Provisioning Technical Documentation	- - - -
5.1.1.c	DI-V-7002A	Provisioning Parts List	- - - -

The above DIDs were those cleared as of the date of this standard. The current issue of DOD 5010.12-L, Acquisition Management Systems and Data Requirements Control List (AMSDL), must be researched to ensure that only current, cleared DIDs are cited on the DD Form 1423.

6.4 Workload levels. Figure 1 illustrates the levels of the parts control program workload relative to the NDI phases and steps. The highest workload peak occurs in step 2 in conjunction with the part number screen. The second peak occurs during the parts control engineering review on all provisioned parts. The third peak in the workload level is evidence of modifications resulting from ECP action due to initial production testing and follow-on user evaluations. This figure also indicates that the parts control engineering review program is an on-going activity whenever ECP action introduces proposed new repair parts.

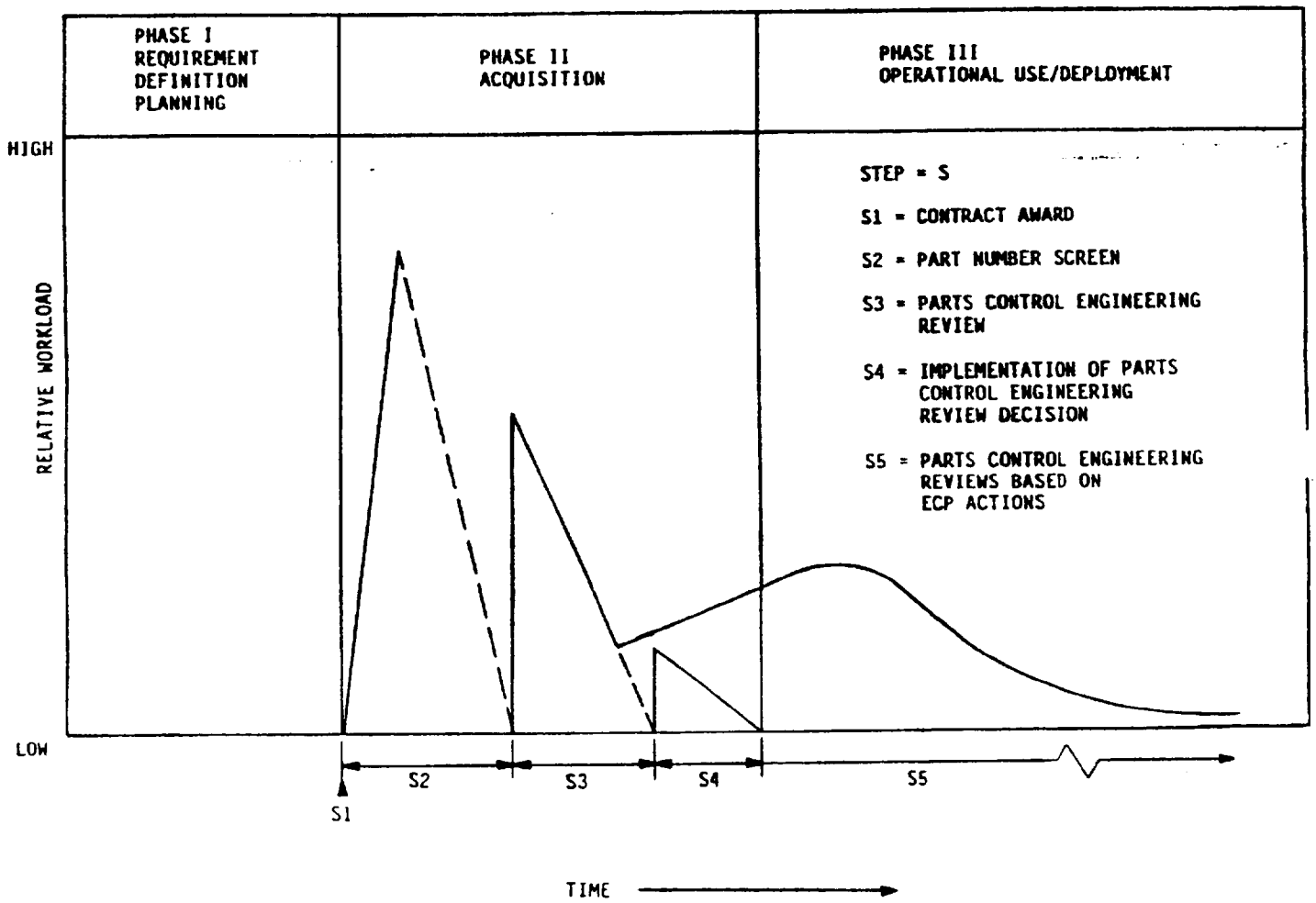

FIGURE 1. Workload relative to NDI phases and steps.

6.5 Subject term (key word) listing.

Acquisition strategy for NDI systems
Part Number Screen
Provisioning conference
Standard parts
Statement of work (SOW)

Custodian:
Army - AT

Preparing activity:
Army - AT

(Project MISC-A116)

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DOCUMENT IDENTIFIER *(Number)* AND TITLE

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