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MILITARY STANDARD

PARTS CONTROL PROGRAM

AMSC NO. F3718

MISC

DEPARTMENT OF DEFENSE

Washington, DC 20360

Parts Control Program

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

2. This document should not be contractually invoked without detailed tailoring of requirements as indicated in the appendix.

3. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Hq Air Force Systems Command, ATTN: PLEQ, Andrews Air Force Base, Washington, DC 20334-5000, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

FOREWORD

1. This standard implements the guidelines and requirements established by DODI 4120.19, Department of Defense Parts Control Program, and is applicable to new design and modification of existing design. In research, exploratory development and advanced development where the design of prototype hardware is not involved, the use of standard parts is advocated, but is secondary to the prime objectives of the development. In these developments, therefore, this standard should be used only after careful consideration.

2. The DoD Parts Control Program has as its objective the achievement of design to cost and life cycle cost savings and cost avoidances. This objective is to be achieved by applying techniques that: (1) assist equipment or system managers and their contractors in the selection of parts commensurate with contractual requirements, (2) minimize the variety of parts used in new design, (3) enhance interchangeability, reliability and maintainability of military equipments and supplies, and (4) conserve resources.

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1. SCOPE

1.1 Purpose. The purpose of this standard is to establish the guidelines and requirements for implementation of a parts control program.

1.2 Intended use. This standard is intended for new design or modification (applicable to new parts used in the modification) in the following:

a. Major weapon system.
b. End items of equipment where provisioning and follow on logistic support will be required.
c. Any other contract or internal Government program in which life cycle benefits can be derived.

1.3 Application. This standard describes two procedures covering the submission, review and approval of Program Parts Selection Lists (see 3.2) and changes thereto. Procedure I is applicable to those contracts that do not require the Parts Control Board (see 3.4) concept. Procedure II is applicable to contracts that include a Parts Control Board. Both procedures contain provisions for processing of requests for approval to use parts both within, and external to, the Military Parts Control Advisory Group assigned commodity classes (see 3.1, 6.4.a and 6.4.b). This standard shall be tailored by the acquisition activity to meet the minimum requirements of the contract or internal government program and shall apply only to the extent and in the manner specified in the contract. Additional tailoring may be recommended within the program management plan or other appropriate program plan. The appendix to this standard provides guidance to the acquisition activity on the application and tailoring of this standard.

2. REFERENCED DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. Unless otherwise specified, the following specifications, standards, and handbooks of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this standard to the extent specified herein.

STANDARD

MILITARY

MIL-STD-143 - Standards and Specifications, Order of Precedence for the Selection of.

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this standard to the extent specified herein.

DI-E-7026 - Parts Control Program Plan.
DI-E-7029 - Military Detail Specifications and Specification Sheets.
DI-E-7030 - Test Data for Nonstandard Parts.
DI-MISC-80071 - Part Approval Requests.
DI-MISC-80072 - Program Parts Selection List (PPSL)

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

2.2 Order of precedence. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.

2.3 Source of documents.

Copies of listed military standards, specifications, and associated documents listed in the Department of Defense Index of Specifications and Standards are available from the Department of Defense Single Stock Point, Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120. Copies of industry association documents should be obtained from the sponsoring industry association. Copies of all other listed documents should be obtained from the acquisition activity or as directed by the contracting officer.

3. DEFINITIONS

(These definitions have been developed for use with this Standard and do not necessarily apply to other government documents.)

3.1 Military Parts Control Advisory Group (MPCAG). A Department of Defense organization which provides advice to the military departments and military contractors on the selection of parts in assigned commodity classes, and collects data on nonstandard parts for developing or updating military specifications and standards (see 6.4).

3.2 Program Parts Selection List (PPSL). A list of all parts approved for design selection in a specific contract.

3.2.1 General application part. A part approved for listing on the PPSL without a restriction on its use.

3.2.2 Limited application part. A part approved for listing on the PPSL with a restriction on its use.

3.3 Part. One piece, or two or more pieces joined together which are not normally subjected to disassembly without destruction or impairment of designed use.

3.3.1 Standard part. A part covered by contractually required general equipment specifications (see 5.6). As a minimum, standard parts shall be identified or described by a Military/Federal Specification or Standard, or an Industry Standard formally adopted by DOD for general application.

3.3.2 Nonstandard part. Any part which does not meet the definition in 3.3.1.

3.4 Parts Control Board (PCB). A formal organization established by contract to assist the prime contractor and acquisition activity in controlling the selection and documentation of parts used in equipment, system, or subsystem designs.

3.5 Acquisition activity. The government office or agency acquiring the equipment, system, or subsystem for which this standard is being contractually applied.

3.5 Off-the-shelf item. An item which has been developed and produced to military or commercial standards and specifications, is readily available for delivery from an industrial source, and may be acquired without change to satisfy a military requirement.

3.7 Government Furnished Baseline parts list (GFB). A list of approved standard parts for design selection which is specified in the solicitation. This list is considered a special list as defined in MIL-STD-143.

4. GENERAL REQUIREMENTS

4.1 Parts control program provisions. As specified in the contract (see 6.3), the contractor shall conduct a parts control program in accordance with the requirements of this standard.

4.2 Contractor's responsibilities. The contractor shall:

a. Coordinate the identification and approval of part candidates proposed for the PPSL (see figure 1 for example).
b. Ensure compliance with the requirements of this standard to the extent invoked by the contract.
c. Ensure that only those parts approved for listing on the PPSL are used in design and production.
d. Ensure that the PPSL information is provided to the contractor's and each subcontractors' design groups.
e. Identify to the MPCAG or the acquisition activity those changes required in parts specifications to meet the equipment, system, or subsystem requirements.
f. When contractually required, prepare part documentation in accordance with 4.4.
g. When contractually required, submit evidence to the acquisition activity that a part complies with the requirements of the applicable part documentation in accordance with 4.5.
h. When contractually required, prepare a parts control program plan.
i. Identify to the acquisition activity when a part will have severe impact on the existing equipment's or system's schedule, safety to personnel, or involve high technical risk.
j. Contact the MPCAG (see 6.4.1.1) to request a contract code assignment. This number is unique to each contract and identifies the contract in the parts control data system.
k. Implement the MPCAG recommendations unless written disposition is obtained from the acquisition activity (see 5.1.1, 5.1.2 and 5.2.3).

4.3 Program Parts Selection List (PPSL). The PPSL shall consist of all parts approved for use on the program whether selected from the GFB, or selected and approved for use through the applicable procedures of this standard. The PPSL shall be maintained throughout the life of the contract. Procedures and format for the identification of GFB parts selected shall be mutually agreed upon between the acquisition activity and the prime contractor.

4.3.1 Proposed PPSL. The contractor shall develop a proposed PPSL. The number of different part types shall be held to a minimum, and the use of standard parts shall be maximized. If a GFB is specified as part of the contract, the GFB shall be used to develop the PPSL.

4.3.2 GFB parts list. The GFB parts list shall continue to be applied throughout the life of the contract. The contractor shall use this GFB parts list to select new program parts whenever the PPSL does not contain an existing part adequate for the intended application.

4.3.3 Selection of parts. In determining candidates for the PPSL, the contractor and subcontractors shall select standard parts. When standard parts cannot be selected, nonstandard parts shall be selected from documents in accordance with the order of precedence of MIL-STD-143. (Figure 2 gives an example of this selection process.) The contractor and subcontractors may informally request information from the MPCAGs pertaining to the identification of parts to meet specific functional requirements of the item in which the parts are to be used. Informal requests for part information may be made by telephone, electrical dispatch, or other communication device.

4.4 Part documentation. A draft of a military specification, a military specification exception, or a control drawing shall be prepared only when contractually required and requested by the acquisition activity. Part documentation when required should not be prepared until the part is approved for use.

4.5 Test data. When contractually required, evidence that the part complies with the requirements of the applicable part documentation shall be submitted when requested by the acquisition activity. Existing test data (such as supplier originated objective evidence of compliance, or Government/Industry Data Exchange Program (GIDEP) reports) shall be used to the maximum extent practicable.

4.6 Off-the-shelf item (equipment). Parts contained in off-the-shelf equipment used in the end item of the contract shall not be subjected to parts control procedures nor listed on the PPSL. When off-the-shelf equipment requires modification to meet a military requirement, it no longer meets the definitions of an off-the-shelf item (see 3.6), and the parts proposed for modification of the equipment shall be subject to the parts selection and approval procedures described herein.

4.7 Government Furnished Equipment (GFE). Parts contained in unmodified GFE used in the end item of the contract shall not be subjected to parts control procedures and listed on the PPSL. The contractor shall implement the parts selection and approval provisions described herein for parts to be used for modification of any portion of GFE intended for use in the end item of the contract.

4.8 Peculiar parts. Structural members and machined parts that are unique and specifically fabricated for a particular application and not adaptable to other equipments shall not be subject to parts control procedures or listed on the PPSL.

4.9 Parts not under MPCAG purview. When contractually required the contractor shall submit parts requests on parts not under MPCAG purview to the acquisition activity or designated review activity.

5. DETAILED REQUIREMENTS

5.1 Procedure I. When required to comply with Procedure I, the contractor shall meet all requirements of this standard except 5.2 through 5.2.4.2.

5.1.1 PPSL. The prime contractor shall submit a proposed PPSL for acquiring activity approval in accordance with figure 3. The time period for approval of the PPSL shall be in accordance with the terms of the contract (see 6.3). If a GFB is specified as part of the contract, the GFB shall be used to develop the PPSL.

5.1.2 Proposed additions to the PPSL. All parts proposed for addition to the PPSL require acquiring activity approval with the exception of parts selected from the GFB. For parts in Federal Supply Classes (FSC) which require MPCAG review (see 6.4), the parts approval request may be telephonic (see 5.1.2.1 and figure 4) or written (see 5.1.2.2 and figure 5). Part approval requests for other FSC parts shall be submitted in accordance with 5.1.2.2 and figure 6 to the acquisition activity or its designated representative. The time period for approval of proposed additions to the PPSL shall be in accordance with the terms of the contract.

5.1.2.1 Telephonic requests. The prime contractor shall furnish the same part information as required in 5.1.2. The use of the telephonic request shall be limited to the minimum extent practicable and shall not be used for more than ten parts with each submittal. Reasons shall generally be limited to prevention of schedule impairment, parts requirements for production line repairs, or substitutes for parts unavailable by deadlines. MPCAG reviewers will accept data by telephone unless otherwise negotiated with the acquisition activity, contractor, and MPCAG. The MPCAG will confirm the recommendation to the prime contractor and the acquisition activity by forwarding a copy of the appropriate form (see figure 4).

5.1.2.2 Written requests. The prime contractor shall furnish the information in accordance with the data item description requirement specified in the Contract Data Requirements List (CDRL).

5.1.3 Meetings. Unless otherwise specified in the contract, a post-award parts control program organization meeting shall be convened by the contractor within 60 days after contract award to establish working relationships, responsibilities, and procedures for implementation of the parts control program. The contractor shall coordinate the date and location of the meeting with the acquisition activity, and its designated representatives, including the MPCAGs. This meeting may be held in conjunction with other scheduled contract review meetings. Subsequent meetings may be called by the acquisition activity or contractor to resolve problems that cannot be resolved by telephone or mail. The meeting shall be chaired by the acquisition activity unless otherwise delegated by the acquisition activity.

5.2 Procedure II. When required to comply with Procedure II, the contractor shall meet all requirements of this standard except 5.1 through 5.1.3.

5.2.1 Parts Control Board (PCB). The contractor shall establish a PCB. The membership and responsibilities of the PCB are as follows:

5.2.1.1 Membership. The PCB membership shall include one member from the prime contractor and each subcontractor as designated by the PCB chairman. Each member shall be supported in the following technical disciplines as required:

a. Program product effectiveness (e.g., quality assurance, reliability and standardization).
b. Parts application and technology.
c. Materials and processes technology.
d. Program systems engineering.

Each member shall have the authority to commit the member's company to all PCB decisions and actions within the scope of the applicable contract. Other technical support representatives from the contractors may attend as consultants when required. In addition, the PCB membership shall include representatives from the acquisition activity, the MPCAG, and other government representatives the acquisition activity may designate.

5.2.1.2 PCB chairman. Unless otherwise specified by the acquisition activity, the chairman of the PCB shall be a representative of the prime contractor. If more than one prime contractor is involved with a system acquisition, the acquisition activity will designate the chairman.

5.2.1.3 Meeting schedules. Meetings shall be held as follows:

a. A post-award parts control program organizational meeting shall be convened by the contractor within 60 days after contract award to establish working relationships, responsibilities, and procedures for implementation of the parts control program. The contractor shall coordinate the date and location of the meeting with the acquisition activity and its designated representatives, including the MPCAGs. This meeting may be held in conjunction with other scheduled contract review meetings.
b. The first PCB meeting shall be held as agreed at the post-award organizational meeting. Subsequent PCB meetings will be scheduled as dictated by parts control activity and will normally be held more frequently during the peak design phase and less frequently thereafter.
c. Special PCB meetings may be called by the PCB chairman or acquisition activity as required with adequate notification provided to the PCB members and representatives.

5.2.1.4 PCB responsibilities:

a. Ensure efficient parts control operation.
b. Ensure maximum use of standard parts.
c. Minimize the number of different types and styles of parts used in the equipment or system.
d. Evaluate and recommend approval or disapproval of parts proposed for listing on the PPSL.
e. Specify requirements for part candidates.
f. Ensure timely implementation of parts decisions.

5.2.2 Prime contractor. The prime contractor shall:

a. Provide PCB chairman.
b. Prepare PCB meeting agenda, distribute meeting notices and agenda at least 14 calendar days prior to the PCB meeting. The agenda shall include a list (including justification) of part candidates for the PPSL which has been reviewed by MPCAG and the acquisition activity, but requires further consideration (see figure 7).
c. Provide PCB secretariat, and prepare and distribute meeting minutes.
d. Identify common families for parts, compare product assurance requirements, and coordinate the applicable information.
e. Ensure that subcontractor PCB members support the PCB as follows:

(1) Prepare justification for need of a nonstandard part candidate and make it available to the PCB.
(2) Accomplish required supplier surveys and make available part test data when required.
(3) Any critical process or limit on the use of the part which will affect the quality or reliability of the equipment/system shall be identified.
(4) When contractually required, prepare parts documentation on approved parts. Selected document preparation tasks may be assigned by the PCB chairman.

5.2.3 PPSL. The prime contractor shall submit a proposed PPSL for acquisition activity approval in accordance with figure 3. The time period for approval of the PPSL shall be in accordance with the terms of the contract (see 6.3). If a GFB is specified as part of the contract, the GFB shall be used to develop the PPSL.

5.2.4 Proposed additions to the PPSL. All parts proposed for addition to the PPSL require approval with the exception of parts selected from the GFB. The prime contractor shall submit parts proposed for addition to the PPSL to all PCB members and representatives for review at least 14 calendar days prior to a PCB meeting (see figure 7). The chairman of the PCB has the responsibility for approving additions to the PPSL. However, the acquisition activity shall retain the right of disapproval of the PCB chairman's decisions. If the right is not exercised within 15 working days after the receipt of the PCB meeting minutes, the PCB chairman's decisions are automatically approved.

6. NOTES

6.1 Equipment, system, or subsystem performance. The requirements of this standard do not relieve the contractor of the responsibility for complying with all performance requirements specified in the applicable equipment, system, or subsystem contract. Approval for use of parts listed on the PPSL is contingent on subsequent satisfactory performance during qualification, preproduction and quality conformance tests, and other required equipment, system, or subsystem tests.

6.2 Supersession information. This standard supersedes the following documents:

a. MIL-STD-891(USAF), Contractor Parts Control and Standardization Program.

b. MIL-STD-749, Preparation and Submission of Data For Approval of Nonstandard Parts.

c. MIL-STD-1631(NAVY), Procedure for Selection of Electronic and Electrical Parts During Equipment Design.

d. MIL-STD-1652(NAVY), Procedure for Prescreening of Nonstandard Mechanical Fasteners and Bearings During Design of Military Items.

6.3 Contractual requirements. To ensure correct application, the appendix "Guidelines for the Selective Application of Requirements", should be reviewed to determine the essential elements that should be considered for applying this standard to the specific nature of an acquisition.

6.3.1 Data requirements. When this standard is used in an acquisition, data shall be delivered only when specified on the DD Form 1423 "Contract Data Requirements List (CDRL)". When the DD Form 1423 is not used, the data shall be delivered in accordance with requirements specified in the contract or purchase order. Data items applicable to this standard are:

DI-E-7026 - Parts Control Program Plan.

DI-E-7029 - Military Detail Specifications and Specification Sheets.

DI-E-7030 - Test Data for Nonstandard Parts.

DI-MISC-80071 - Part Approval Requests.

DI-MISC-80072 - Program Parts Selection List (PPSL).

6.4 MPCAG functions. The function of the MPCAG is to act as an advisor to the acquisition activities and contractors in its assigned commodity classes. The MPCAG will recommend standard parts or inventory parts that meet the design requirements of the equipment or system in which the part is to be used. Moreover, the MPCAG will accept technical information about specification changes necessary to make a specification useable, and request action with the military activity responsible for that specification to expedite appropriate changes. Additionally, MPCAG will provide assistance, when requested, with Statement of Work preparation (including the Contract Data Requirements List), equipment specification preparation, and Source Selection Evaluation Board participation. Assigned MPCAG commodities are as follows:

a. Mechanical parts.

FSC	PART CATEGORY NAME	RESPONSIBLE MPCAG
3020	Gears, pulleys, sprockets, and transmission chain	DCSC
3030	Belting, drive belts, fan belts, and accessories	DCSC
3110	Bearings, antifriction, unmounted	DISC
3120	Bearings, plain, unmounted	DISC
3130	Bearings, mounted	DISC
4030	Cable fittings, etc.	DISC
4330	Centrifugals, separators, and pressure and vacuum filters	DCSC
4720	Hose and tubing	DCSC
4730	Tube fittings	DCSC
4820	Valves, nonpowered	DCSC
5305	Screws	DISC
5306	Bolts	DISC
5307	Studs	DISC
5310	Nuts and washers	DISC
5315	Pins	DISC
5320	Rivets	DISC
5325	Fastening devices	DISC
5330	Seals and packing	DISC
5340	Miscellaneous hardware	DISC
5355	Knobs and pointers	DISC
5360	Springs, coil, flat and wire	DISC
5365	Rings, shims, and spacers	DISC

b. Electrical and electronic parts.

FSC	PART CATEGORY NAME	RESPONSIBLE MPCAG
4130	Refrigeration components	DGSC
4140	Miniature blowers (for cooling electronic equipment)	DGSC
5905	Resistors	DESC
5910	Capacitors	DESC
5915	Filters and networks	DESC
5920	Fuses and lightning assestors	DESC
5925	Circuit breakers	DESC
5930	Switches	DESC
5935	Connectors, electrical, and associated handtools under FSCs 5120, 5130, 5180, and 5220	DESC
5940	Lugs, terminals, and terminal strips	DGSC
5945	Relays, contactors, and solenoids	DESC
5950	Coils and transformers	DESC
5955	Crystals	DESC
5960	Electron tubes and associated hardware	DESC
5961	Semiconductor devices and associated hardware	DESC
5962	Microelectronic circuit devices (including hybrids)	DESC
5965	Headsets, handsets, microphones, and speakers	DESC
5970	Insulators	DGSC
5975	Electrical hardware and supplies	DGSC
5985	Waveguides and RF switches (antennas are excluded)	DESC
5999	Miscellaneous electrical and electronic components	DESC
6010	Fiber optic conductors	DESC
6015	Fiber optic cables	DESC
6020	Fiber optic cable assemblies and harnesses	DESC
6030	Fiber optic devices	DESC
6060	Fiber optic interconnectors	DESC
6070	Fiber optic accessories and supplies	DESC
6080	Fiber optic kits and sets	DESC
6140	Batteries, secondary	DGSC
6145	Wire and cable, electrical	DESC

FSC	PART CATEGORY NAME	RESPONSIBLE MPCAG
6150	Electrical power cords and grounding straps	DGSC
6210	Lighting devices	DGSC
6240	Electric lamps	DGSC
6350	Horns, bells, buzzers, and sirens	DGSC
6625	Meters, electrical indicating	DESC
6645	Time totalizing meters	DGSC
6680	Mechanical fluid flow and quantity measuring devices	DGSC
6685	Pressure, temperature, humidity measuring, and controlling devices	DGSC
9150	Oils and greases, cutting, lube, and hydraulic	DGSC
9320	Rubber fabricated materials	DGSC
9330	Plastic fabricated materials	DGSC

6.4.1 MPCAG contact points.

6.4.1.1 Contract code assignment.

a. Air Force and other government agencies:

Commander
Defense Electronics Supply Center
Attn: DESC-EPA
Dayton, OH 45444

Telephone: (513) 296-5431
Autovon: 986-5431

b. Army and Navy:

Commander
Defense Electronics Supply Center
Attn: DESC-EPB
Dayton, OH 45444

Telephone: (513) 296-5445
Autovon: 986-5445

6.4.1.2 Mechanical parts.

Commander
Defense Industrial Supply Center
ATTN: DISC-ESM
Philadelphia, PA 19111

Telephone: (215) 697-4395/3007
Autovon: 442-4395/3007

Commander
Defense Construction Supply Center
ATTN: DCSC-SSI
Columbus, OH 43215

Telephone: (614) 236-2025/2886
Autovon: 850-2025/2886

6.4.1.3 Electrical and electronic parts.

Commander
Defense Electronics Supply Center
ATTN: DESC-EP
Dayton, OH 45444

Telephone: (513) 296-5116
Autovon: 986-5116

Commander
Defense General Supply Center
ATTN: DGSC-SEA
Richmond, VA 23297

Telephone: (804) 275-4885
Autovon: 695-4885

6.5 Other FSCs managed by the Defense Logistics Agency (DLA). For all other FSCs managed by DLA, part information may be requested from the appropriate Defense Supply Center.

6.6 General equipment specifications. Examples of general equipment specifications which directly or indirectly reference standard parts are: MIL-STD-454, MIL-STD-1515, MIL-E-4158, MIL-E-5400, MIL-E-8983, MIL-T-21200, MIL-I-983, MIL-P-11268, MIL-E-11991, MIL-E-16400, MIL-F-18870, MIL-T-28800, FAA-G-2100, etc.

SECTION I - GENERAL APPLICATION PARTS
SUBSECTION A - MECHANICAL

CONTRACT No: F12345-84-C-1234 FSC ABCD

(Verbal description of items covered in this section)

Index no. 1/	Description	Document no.	FSCM	Part number	FSCM	Remarks	Use code
A0001B	Adptr, al al, .250 fem pipe thd to .250 male fld	2A156	99999	2A156-4-4 62742-12	99999 12346		
0002	Adptr, tube to hose, lp nose, part of AN6270 1/2 tube size	MIL-A-38726	96906	MS27404-8D	96906	Critical part, long lead time	

SECTION I - GENERAL APPLICATION PARTS
SUBSECTION B - ELECTRICAL AND ELECTRONIC

CONTRACT NO: F12345-84-C-1234 FSC 5910

CAPACITORS, TANTALUM

Index no.	Description	Document no.	FSCM	Part number	FSCM	Remarks	Use code
0006	Cap, ta, sld, 22 - 330 µF, 6-100 V dc, CSR-13	MIL-C-39003/1	81349	M39003/01-****	81349	Failure rate level S, QPL available, critical part, reverse voltage	
0007A	Cap, ta, sld 0.47 - 18 µF 6-75 V dc, CSR-09	MIL-C-39003/2	81349	M39003/02-****	81349	Failure rate level S, QPL available	
A0010	Cap, ta, foil, 4 - 500 µF 15 - 150 V dc	92A643	99999	92A643-1-2 130J46-3 439X-72J20	99999 12345 23456	Critical part, high cost and long lead time	

1/ Alpha prefix may be used to denote subcontractor, subsystem, board, etc. Alpha suffix should be used to denote resubmissions for reconsideration, document changes, etc.

FIGURE 1. Sample format for Program Parts Selection List (PPSL).

SECTION II - LIMITED APPLICATION PARTS
SUBSECTION A - MECHANICAL

CONTRACT No: F12345-84-C-1234 FSC 1234

(Description of items covered in this section: example - Bearing, Ball End)

Index no.	Description	Document no.	FSCM	Part number	FSCM	Remarks	Use code
A0101	Bearing, Ball End, Prcn, Self-Align, .250 Bore	XYZM140	98765	XYZM140-1	98765	Use restricted to XYZ Co. only	
B0102	Bearing, Ball End, Prcn, .50 Bore	XYZM240	98765	XYZM240-1	98765	This application only	
B0103	Bearing, Ball End, Prcn, .575 Bore	XYZM240	98765	XYZM240-2	98765	Restricted to this application only; see same index no. in section I for standard part	

SECTION II - LIMITED APPLICATION PARTS
SUBSECTION B - ELECTRICAL AND ELECTRONIC

CONTRACT NO: F12345-84-C-1234 FSC 5910

CAPACITORS, Fixed Plastic

Index no.	Description	Document no.	FSCM	Part number	FSCM	Remarks	Use code
0101	Cap, fixed, plastic	717057	05869	717057-1 MM104PJ2 R54F104J2	05869 54795 12517	Limited to ground applications only	

FSC 5962

Microcircuits, Amplifiers

B0209	MCKT, OP AMP			LM111	12040	This contract only[1/]; for production use M38510/10304BXX	

1/ The design of the equipment system shall encompass the parameters of the approved part listed in Section I.

FIGURE 1. Sample format for Program Parts Selection List (PPSL) - Continued.

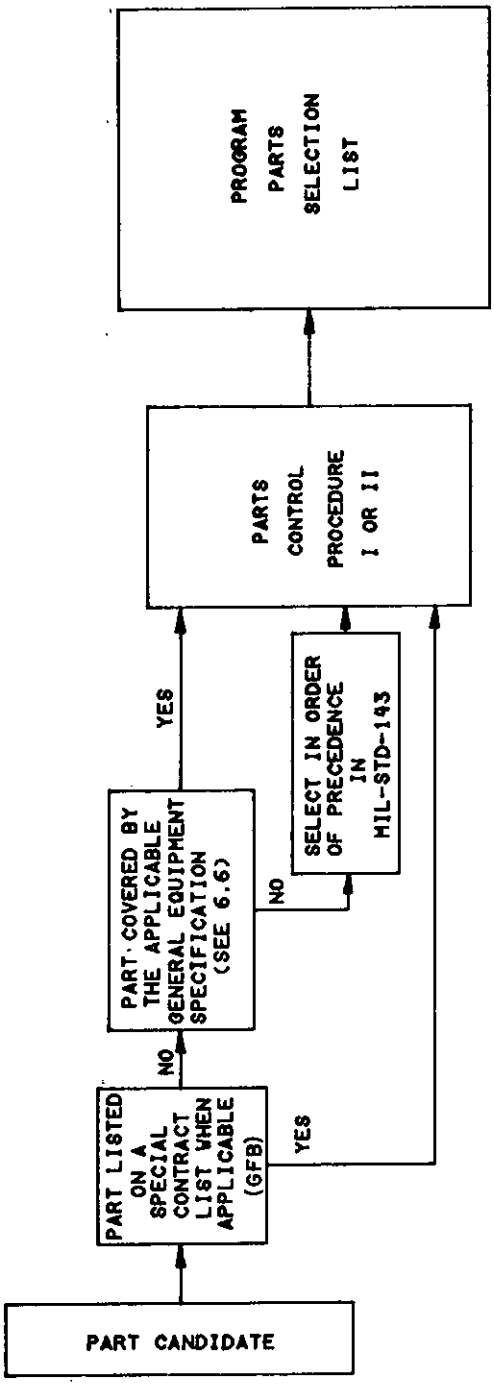


FIGURE 2. Example for selection of parts for Program Parts Selection List (PPSL).

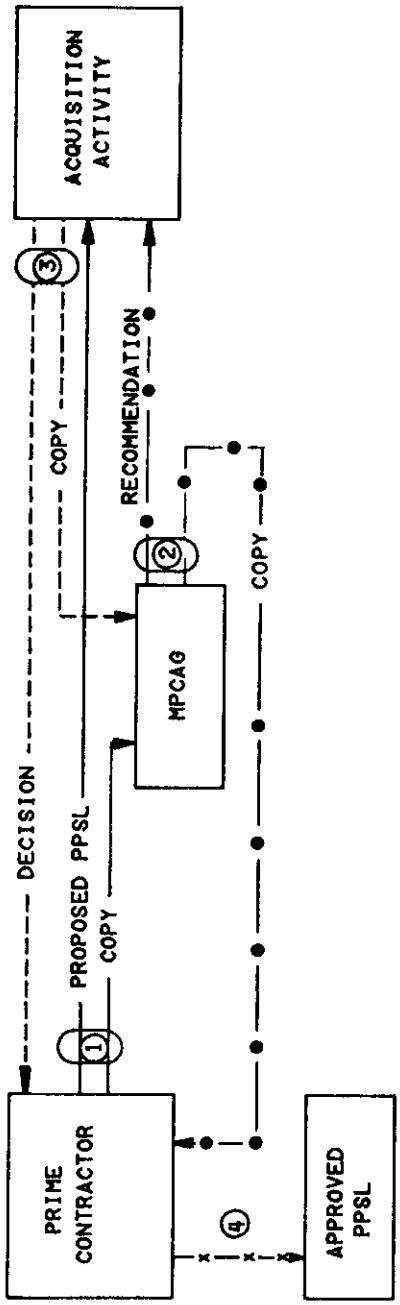
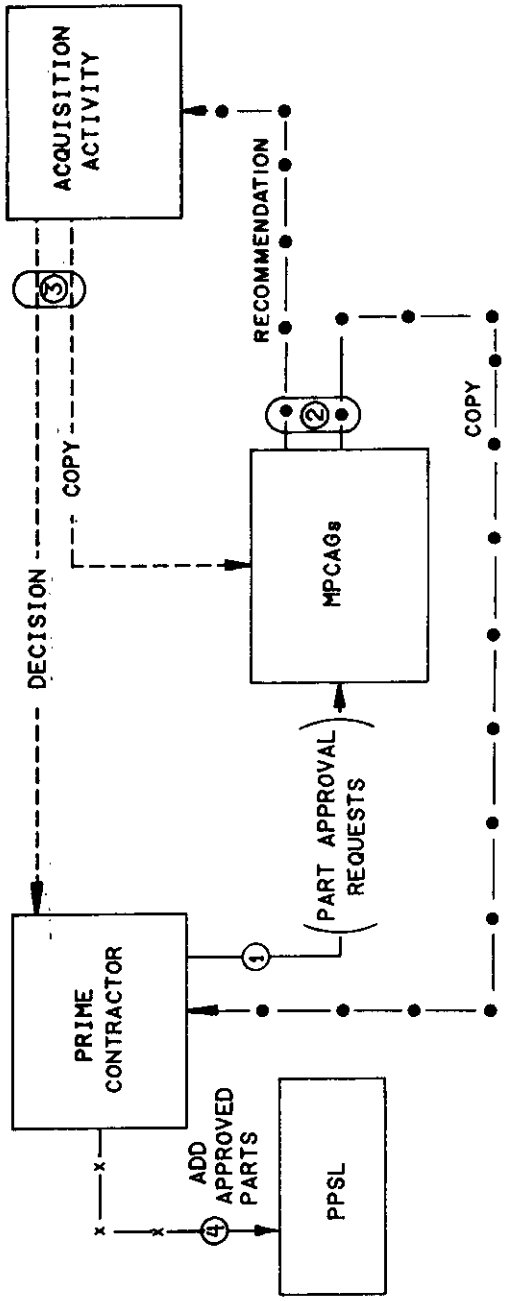


FIGURE 3. Method for obtaining approval of proposed Program Parts Selection List (PPSL).



NOTE: In step 2 the MPCAG will prepare the appropriate form.

FIGURE 4. Method for processing telephonic requests for additions to PPSL (MPCAG FSCs).

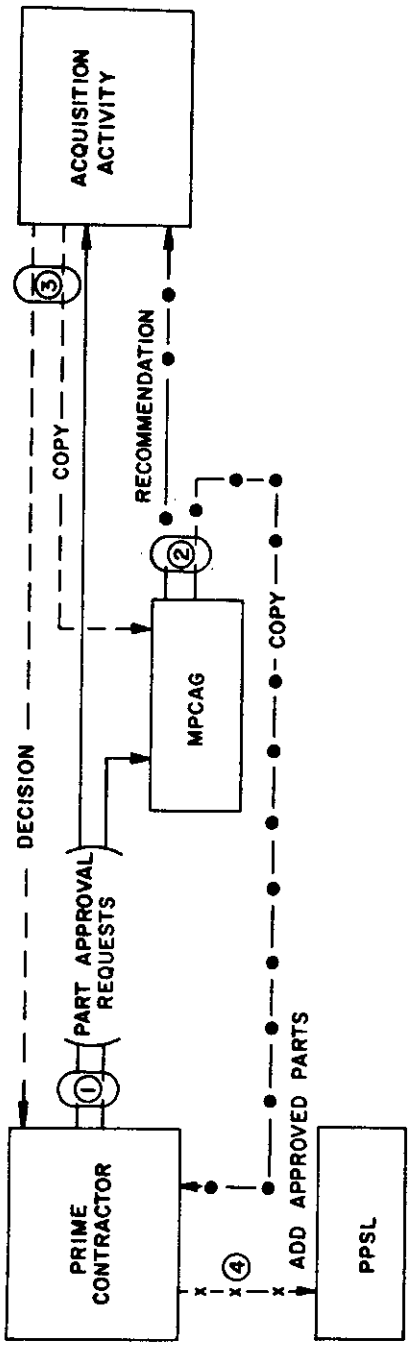


FIGURE 5. Method for processing written requests for additions to PPSL (MPCAG FSCs).

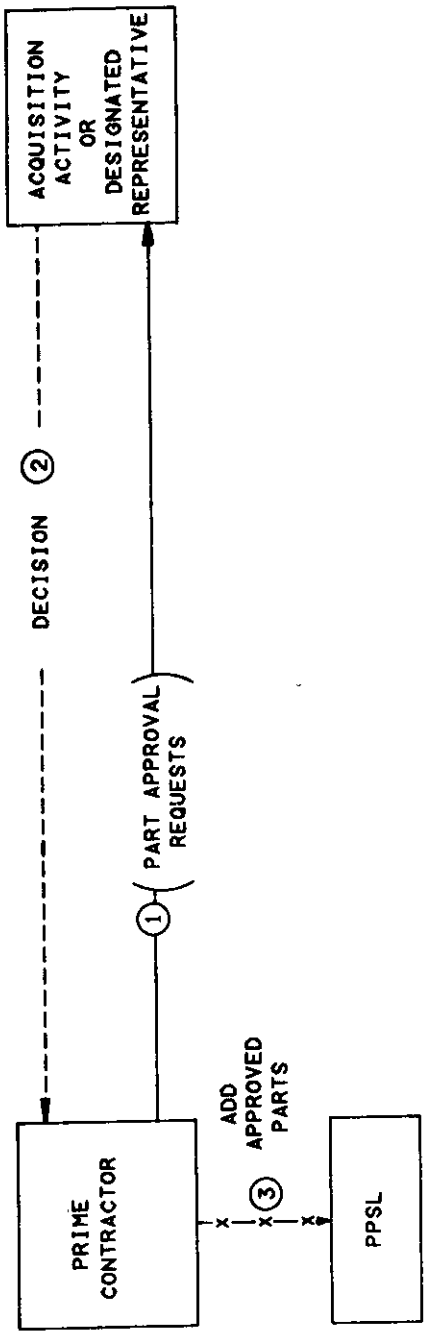


FIGURE 6. Method for processing part additions to PPSL (Non-MPCAG FSCs).

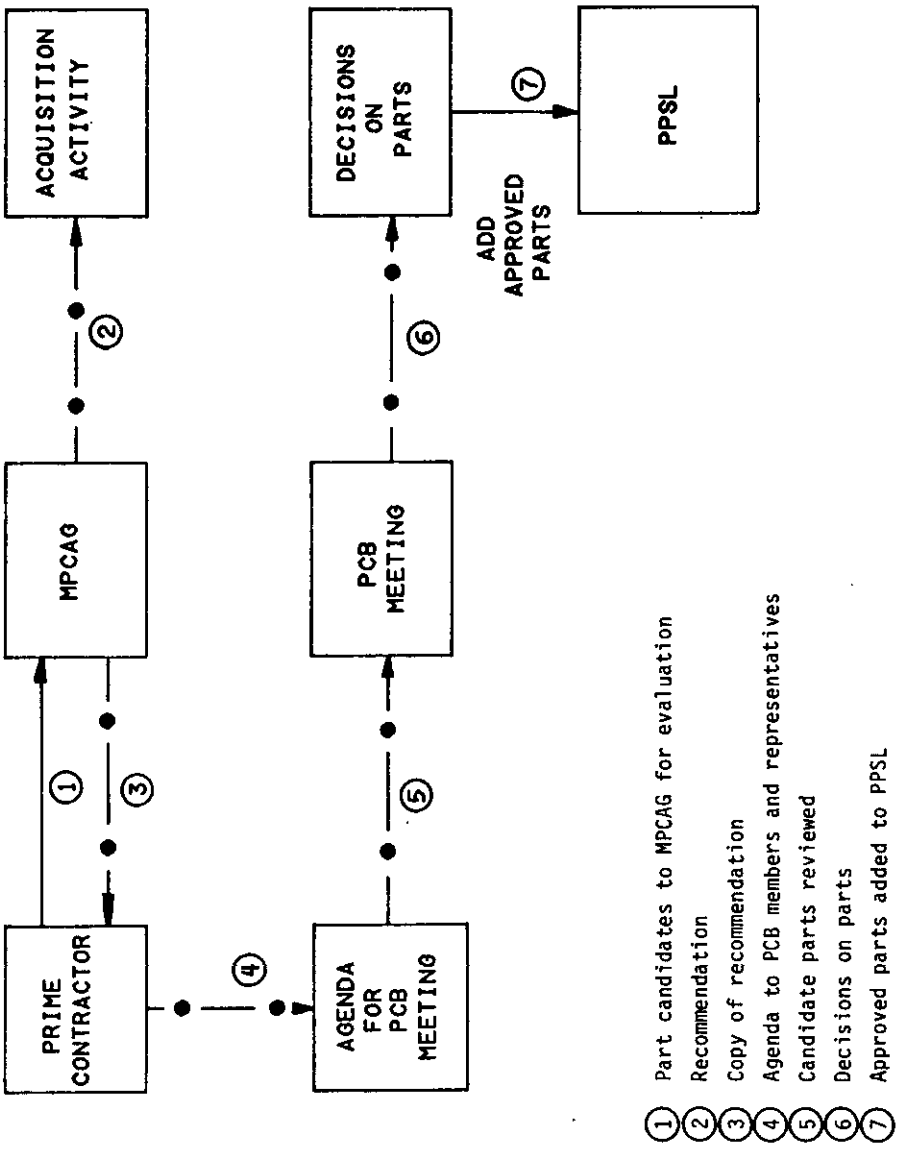


FIGURE 7. Method for processing part additions to PPSL (Parts Control Boards).

APPENDIX

GUIDELINES FOR THE SELECTIVE APPLICATION OF REQUIREMENTS

10. GENERAL

10.1 Scope. The appendix identifies the elements that should be considered for applying MIL-STD-965 to the specific nature of an acquisition. Additionally, it provides information for determining the acquisition categories to which this standard should be applied. This appendix contains information of a general or explantory nature. No requirements appear herein. This appendix is provided for the guidance of the acquisition activity in applying MIL-STD-965 to a specific acquisition.
This appendix is not a mandatory part of the standard.

10.2 Application. For the purpose of this appendix, the following contract categories established to aid in determining when to contractually apply MIL-STD-965.

Category A. Concept exploration and demonstration and validation phases. Parts control may not be effective on contracts which are fundamentally for investigation or study. Application of the standard should be considered in the fabrication of bread-board models or rough experimental prototypes when follow-on contract development phases are anticipated.

Category B. Full-scale development. This standard should always be applied to contracts for the design and fabrication of a system or equipment to meet the performance requirements of a specification or to establish technical requirements leading to a production baseline model.

Category C. Production. Contracts for production quantities where a baseline design is already established. This category applies to the case where a change (engineering change proposals, ECPs) or modification occurs during the course of a contract but was not anticipated prior to contract award; it applies also to modification contracts where an existing design is modified to satisfy an operational need or to improve performance. Parts control should be applied in both cases. In such efforts, the existing design package usually serves as the baseline PPSL and only parts proposed for use in the modification are subject to parts selection and approval procedures.

Category D. Other. Parts control should be specified in any acquisition where the selection and use of parts must be controlled to achieve effective life cycle benefits and follow-on logistic support is anticipated.

20. REFERENCED DOCUMENTS

20.1 Government documents.

20.1.1 Specifications, standards, and handbooks. Unless otherwise specified, the following specifications, standards, and handbooks of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this appendix to the extent specified herein.

STANDARDS

MILITARY

MIL-STD-680 - Contractor Standardization Program Requirements.
MIL-STD-831 - Test Reports, Preparation of.
MIL-STD-961 - Military Specification and Associated Documents, Preparation of.

MIL-STD-1285 - Marking of Electrical and Electronic Parts.
MIL-STD-1521 - Technical Reviews and Audits for Systems, Equipment, and Computer Programs.
MIL-STD-1546 - Part, Materials, and Processes Standardization, Control and Management Program for Spacecraft and Launch Vehicles.

HANDBOOKS

FEDERAL

H-4 - Federal Supply Code for Manufacturers.
H-6 - Federal Item Name Directory for Supply Cataloging.

MILITARY

MIL-HDBK-131 - Identification Markings for Fasteners (HDBK H-131).

20.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this appendix to the extent specified herein.

DATA ITEM DESCRIPTIONS

DI-E-7026 - Parts Control Program Plan.
DI-E-7029 - Military Detail Specifications and Specification Sheets.
DI-E-7030 - Test Data for Nonstandard Parts.
DI-MISC-80071 - Part Approval Requests.
DI-MISC-80072 - Program Parts Selection List (PPSL)

FORMS

DD Form 1423 - Contract Data Requirements List.
DD Form 1664 - Data Item Description.
DD Form 2052 - Nonstandard Part Approval Request.
DD Form 2053 - Program Parts Selection List (PPSL) Worksheet.

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

20.2 Order of precedence. In the event of a conflict between the text of this appendix and the references cited herein, the text of this appendix shall take precedence.

30. DEFINITIONS

Not applicable.

40. GENERAL REQUIREMENTS

40.1 Standard parts. The type, grade, or classification of parts, parts lists, and documents that are the baseline for the selection of standard parts must be specified in the solicitation and tailored to the mission essential needs of the acquisition.

40.2 Selection of appropriate parts control procedure. Selection of the most effective parts control method should be based upon such factors as: Reliability requirements; complexity of the configuration items; magnitude of the total parts count; number of contractors and subcontractors to be involved; nature of the configuration item application; life cycle cost considerations, and the total scope of the acquisition. Procedure I is applicable to the majority of contracts. Procedure II should be considered when there is an aggregation of contractor/subcontractors.

40.3 Program Parts Selection List (PPSL). The intent of a PPSL is to obtain maximum standardization during design by tailoring and minimizing the variety of different types, grades, or classification of parts to be applied in an acquisition. The PPSL is fluid and can be frequently adjusted during the various design phases as problems are resolved and technology progression dictates. A PPSL should be used (see DI-MISC-80072) when both standard and nonstandard parts are to be controlled in the parts selection process. If a Government Furnished Baseline parts list (GFB) is specified as part of the contract, the GFB is used to develop the PPSL and 10.1 of DI-MISC-80072 does not apply. DI-MISC-80071 must be used to add parts to a PPSL. In unusual situations when only nonstandard parts are to be controlled, Procedure I may be applied without a PPSL by applying 5.1.2 of this standard and 10.1 of DI-MISC-80071.

40.4 Format for PPSL. The format for a PPSL is illustrated on figure 1 of this standard. Options are:

a. Government format and government maintained from contractor inputs (DI-MISC-80071).
b. Government format and contractor maintained (DI-MISC-80072).
c. Contractor format and contractor maintained. (Exceptions to DI-MISC-80072 would be required. The format as a minimum must contain the elements in DI-MISC-80072.)

40.4.1 Government maintained PPSL. If option 40.4a is selected, the government will maintain the PPSL throughout the life of the contract. The PPSL will be updated as required by the contract. The government maintained PPSL provides the following indexes and sections:

a. Five indexes:
   (1) Index number sequence with FSC
   (2) FSC in index number sequence
   (3) Document number sequence
   (4) Part number sequence
   (5) Noun name in alpha sequence

b. Two sections:
   (1) Section I: Items which have been approved for use throughout the equipment/system.
   (2) Section II: Items which have limited application approval.

c. PPSL appendix: Includes disapproved submittals and open items.

40.5 Parts documentation requirements. If documentation development is considered necessary, the type of documentation should be cited in the DD Form 1423, Contract Data Requirements List (CDRL) using the appropriate Data Item Description (DI-E-7029, DI-E-7031, or DI-E-1133). The time period for submission of parts documentation should also be cited in the CDRL. (NOTE: Requirements for parts documentation are often specified in other disciplines such as reliability, configuration control, and logistic support. These requirements for documentation should be considered to avoid duplication.) If parts documentation is not otherwise required by the contract, specific reference should be included in the solicitation as to the acceptability of using published vendor data for satisfying the requirement to identify configuration/performance characteristics of nonstandard parts proposed for use in the design.

40.6 Test data (DI-E-7030). Requirements for submittal of test data should be tailored to reflect realistic requirements commensurate with program scope and phase. Sample sizes should also be reviewed. Scope, level, and format of data, as well as types and quantities of parts to be subjected to evaluation, if any, should be addressed. Solicitations should call out DI-E-7030. Various options regarding the use of test data are provided in DI-E-7030. Caution must be exercised that testing for part evaluation not be required prior to establishing a firm requirement for an item.

40.7 Parts control program plan (DI-E-7026). A parts control program plan should be considered when Procedure II is applied. DI-E-7026 is not used when a contractor standardization plan is required by MIL-STD-680. Normally, a plan is not needed when procedure I is used.

40.8 Timing of events.

40.8.1 Submittal of proposed PPSL. The submittal schedule should be specified on the CDRL. The time period should take into account the proposed PPSL format selected and the estimated lead time to prepare commensurate with the equipment program schedule.

40.8.2 Revision or amendment of PPSL. The time period or frequency criteria for contractor publication of a revision or amendment to the PPSL should be considered when preparing the CDRL.

40.8.3 Acquisition activity review cycle. The time period for acquisition activity formal response to the proposed PPSL, additions to the PPSL, part approval requests, new documentation, and test data evaluations should be specified. The time period will normally be 30 calendar days, although a different time period may be specified to suit a contract application. It should be noted that if the time period expires, the MPCAG recommendations shall be considered approved (see 4.3.3). Turn around time should be based on the estimated volume of parts to be processed; the format, as it impacts the government review time; and the parts acquisition delivery schedule.

40.8.4 Technical reviews and audits. MIL-STD-1521 provides requirements for verifying parts control compliance is accomplished as specified in the contract. Specific tailored objectives should be included in the agenda of "Preliminary Design Reviews", Critical Design Reviews" and "Physical Configuration Audits".

40.9 Parts Control Board (PCB) chairmanship (Procedure II only). When a PCB is used, the responsibility for chairing PCB meetings should be defined. See options and conditions in 5.2.1.2.

40.10 Application matrix. Table I provides a matrix summarizing application considerations.

TABLE I. Application matrix.

Requirement	Appendix paragraph	Comments
Application to contracts	10.2	Tailor requirements to appropriate category of contract.
Standard parts	40.1	Specify on all contracts using parts control procedures.
Parts control procedure	40.2	Select Procedure I or II.
Program Parts Selection List (PPSL)	40.3	Tailorable.
Nonstandard Part Approval Requests and additions to PPSL.	40.3	Always specify DI-MISC-80072.
Format for PPSL	40.4	See DI-MISC-80071 and figure 2 of MIL-STD-965.
Parts documentation	40.5	Define kind of documentation and options, check other design requirements for documentation (reliability provisioning). See DI-E-7029, DI-E-7031 and DI-E-1133.
Test data	40.6	Reflect realistic requirements and specify sample sizes. See DI-E-7030.
Parts control program plan	40.7	Use with Procedure II. See DI-E-7026 (not applicable if MIL-STD-680 applied).
Timing of events	40.8	Tailor submission schedules and acquisition activity approval cycle to appropriate needs of the contract. Include in CDRL.
PCB chairmanship	40.9	Define and assign responsibility for Parts Control Board chairperson when Procedure II is used.

50. DETAIL REQUIREMENTS.

Not applicable.

Custodians:
Army - AM
Navy - AS
Air Force - 10
DLA - DH

Preparing activity:
Air Force - 10

(Project MISC-0032)

Review activities:
Army - AL, AR, AT, AV, CR, ER, ME, MR, MI
Navy - EC, MC, OS, SA, SH, TD
Air Force - 11, 13, 14, 15, 17, 18, 19, 26
DLA - CS, ES, GS, IS

User activity:
Army - GL

Agent:
DLA - ES

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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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions – Reverse Side)

1. DOCUMENT NUMBER	2. DOCUMENT TITLE
MIL-STD-965A	Parts Control Program

3a. NAME OF SUBMITTING ORGANIZATION	4. TYPE OF ORGANIZATION *(Mark one)*
	☐ VENDOR
b. ADDRESS *(Street, City, State, ZIP Code)*	☐ USER
	☐ MANUFACTURER
	☐ OTHER *(Specify)*: _____

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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