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MILITARY SPECIFICATION

INTERCHANGEABILITY AND REPLACEABILITY OF COMPONENT PARTS FOR AEROSPACE VEHICLES

This specification is approved for use by all
Departments and Agencies of the Department of Defense

1. SCOPE

1.1 Scope. This specification establishes the dimensional interchangeability and replaceability requirements for certain parts, subassemblies, assemblies, units, sets, and installation provisions for aerospace vehicles (see 6.1), as listed herein, and which are controlled items as defined in paragraph 6.2.2. This specification applies to the aerospace vehicle and other elements as may be defined herein, which are peculiar and must be integrated to provide an operational weapon capable of effectively meeting the established performance requirements. These requirements are established to provide or promote easy and rapid assembly of controlled items manufactured by one or more sources, minimize logistic requirements, assure usable parts, and conserve resources. It is mandatory that interchangeability in accordance with this specification shall be a design requirement during development of an article. This specification shall be strictly complied with when incorporated (a) into any production contract for aerospace vehicles, and (b) into any aerospace vehicle development contract when such development will proceed to production, unless otherwise specified in any said contract.

1.2 Classification. Interchangeability and replaceability as defined and specified herein shall be indicated for a specific article in terms of Interchangeability-Replaceability Working Lists.

2. APPLICABLE DOCUMENTS

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

SPECIFICATIONS

Military

MIL-Q-9858 Quality Program Requirement

FSC-MISC

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DoD-D-1000

Drawings, Engineering, and Associated
ListsSTANDARDSMilitary

DoD-STD-100

Engineering Drawing Practices

MIL-STD-280

Definitions of Item Levels, Item
Interchangeability, Models, and Related
Terms

MIL-STD-480

Configuration Control - Engineering
Changes, Deviations, and Waivers

(Copies of specifications and standards required by contractors in connection with specific procurement functions should be obtained from the procuring officer.)

3. REQUIREMENTS

3.1 Interchangeability and Replaceability. This specification sets forth certain controlled parts, subassemblies, assemblies, units, and sets (as defined in MIL-STD-280), installation provisions for equipment, major and minor segments of the airframe manufactured separate for later assembly or mating, for which interchangeability and replaceability as defined is required.

3.2 Working lists. Working lists of such controlled items listing part numbers, nomenclature, and proposed status of the items, shall be compiled by or under the supervision of the prime design contractor and submitted progressively to the procuring activity, beginning prior to preliminary fabrication of production tools and items, for review and evaluation. The complete working list shall be submitted to the procuring activity for approval on a semi-annual basis and after all controlled items therein, subject to first article inspection (see 4.3), have been certified, and shall be approved prior to acceptance of the first aerospace vehicle. The working lists, after approval by the procuring activity, shall reference this specification and shall be considered as meeting the specific requirements of paragraph 3.3.1 and 3.3.2 thereof, and shall be incorporated by reference in the set of engineering drawings (see 3.4) and contract specifications defining the aerospace vehicle configuration. Working lists shall be kept current, during the extent as specified in paragraph 3.5, reflecting design changes, additions, deletions, and aerospace vehicle effectivity serial numbers. Revisions shall be limited to affected pages only and there shall be no reissue of existing pages with date change only.

3.2.1 Forms. The working list pages, listing controlled items, shall be prepared on contractor furnished forms in a format conforming to Figure 1. Requests for additions, changes, and deviations to specification requirements, shall be prepared on contractor furnished forms in a format conforming to Figure 2. The size of all working list pages shall be comparable to either 8 1/2 X 11 or 11 X 17 inch size and shall be kept uniform throughout any current working list.

3.2.2 Contents. The contents of the working list shall include, but not be limited to; a preface, an index list of page numbers, and pages listing items controlled. The preface shall identify the contractor and location, contract number, type/model/series of aerospace vehicles with serial numbers assigned, I&R document number, date, name of company approving official, and name of the Government quality assurance representative. The index listing shall have on each page, the I&R document number and date. The page numbers shall be the basic part number of the controlled item listed in alpha-numeric sequence. The preface shall be prepared by the contractor and submitted to the procuring activity for approval prior to preparation of the controlled item listing. The controlled items listed should consist of those items defined in paragraph 3.3.1 and 3.3.2. Items defined in paragraph 3.3.1 and 3.3.2 which for any reason should not be included in the working list, may be excluded by appropriate reference and explanation in the preface. Proposed exceptions in status to items defined in paragraph 3.3.1, shall be submitted for approval (see 3.2.1), and shall be covered by the contractor's concise statements and supporting information setting forth justification for each exception. The justification shall contain reasons for noncompliance with the status requirements of this specification and shall consist of statements of engineering, maintenance, production and tooling requirements; inadequacies or limitations; supported by drawings, sketches, diagrams, and interface data, as applicable; and identification of special tools for installation, if required. A statement of general requirements or criteria, e.g., "aerodynamic smoothness requirements", is not an explanatory reason why the contractor cannot produce an item to meet that requirement and is not satisfactory for evaluation for approval. When approval for exceptions is requested, the remarks column shall be used to give the following information (as applicable): justification as required above; type and amount of rework prior to installation; actual (or estimated) manhour requirements involved in rework; special tools for installation, if required. When prior approval of exceptions has been granted, a reference to the procuring activity's correspondence granting approval of exceptions shall be entered in the remarks column. Likewise, references shall be made to the procuring activity's directives to depart from the specification required status. Items required replaceable as defined in paragraph 3.3.2, shall have listed in the remarks column; type and amount of rework

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FIGURE 1. WORKING LIST PAGE

INTERCHANGEABILITY DOCUMENT CHANGE REQUEST

PART NUMBER	NOMENCLATURE	STATUS		PRODUCTION UNIT No. & EFFECTIVE SERIAL No.	REMARKS	
		SPEC REQT	APPROVED PROPOSED			
DOCUMENT No.	CONTRACTOR	LOCATION			PAGE NUMBER	
DATE						
SUPERSEDES	TYPE/MODEL/SERIES	CONTRACT				

FIGURE 2. REQUEST FOR DEVIATION/CHANGE

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required prior to installation; actual (or estimated) manhour requirements involved in rework; special tools for installation, if required.

3.2.2.1 New entries or changes. A new entry, or a previously listed entry which has been changed subsequent to approval of the complete working list, shall be identified by an asterisk. All new entries and changes submitted to the procuring activity for approval (see 3.2.1), may be one or more of the following: change in part number, name, status, effectivity, remarks, or notations of approval.

3.2.3 Submission. Working lists and changes thereto, furnished in accordance with this specification, shall be subject to initial inspection by the Government quality assurance representative. Obvious irregularities will be returned to the contractor for correction prior to forwarding to the procuring activity for approval.

3.2.4 Approval. Approval of the working list, including changes to the working list, and approval of exceptions once granted, are subject to review, revocation, and further negotiation at the request of the procuring activity as improved tooling techniques, controls, and facilities are established, or as maintenance and logistics experience dictates. Applicable contracts will be reviewed and modified by the parties to incorporate approved changes.

3.3 Controlled items. All controlled items, as defined in paragraph 6.2.2, shall be manufactured in accordance with the prime design contractor's engineering data and information, and in strict conformity with all control media established by the prime design contractor, as incorporated into applicable contracts. Subject to the provisions of paragraph 3.6.2, all controlled items coming from any approved source, shall be in the same interchangeable or replaceable status as specified in the prime design contractor's approved working list and shall mate with adjacent items furnished by the same source or any other approved manufacturing source.

3.3.1 Interchangeability. Interchangeable controlled items shall comply with the definition established in paragraph 6.2.4. Shimming of an interchangeable item is allowed when approved by the procuring activity, and shall not be justification for classifying an item as replaceable. Only those tools generally available to aerospace vehicle mechanics shall be required for installation procedure. (This is not intended to preclude use of special tools, fixtures and other shop aids during original assembly of items in the article). All check installations of controlled items shall provide for the maximum outline dimensional requirements of the particular item involved, as set forth in the applicable specifications or drawings. Jacking or other

force applications using conventional equipment is allowable only to the extent necessary to position items for installation, and shall not be used for forcing alignment when such forcing causes permanent deformation or distortion, tearing, shearing, bending, or damage to the item being checked or installed, or to any adjacent items of the assembly or article on which a physical check for fit is being conducted. When controlled items contain controls, wiring, hydraulic lines, etc., interchangeability shall be provided at the attachments of these items to their next assembly, as well as for the structural attachments of the assembly. The following controlled items, as may have been incorporated into the design of the aerospace vehicle, shall be interchangeable with respect to any identical item conforming to the engineering data, tooling information, and control media established by the prime design contractor for the particular aerospace vehicle on contract:

- a. Fixed, variable incidence, and variable sweep wing aircraft
 - Aerial refueling assemblies
 - Aileron assemblies
 - Air conditioning system units
 - Air inlet rams
 - Armament supporting parts and attachment fittings, brackets, etc.
 - Arresting gear and barrier gear
 - Aspirators
 - Auxiliary aerodynamic surfaces
 - Auxiliary fuel tanks and fittings
 - Bomb bay doors
 - Cargo pods
 - Cockpit enclosure (units and subassemblies thereof)
 - Catapult hooks
 - Control columns
 - Control horns, masts, and brackets where attached by bolts

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Control surface tabs

Control system parts such as bellcranks, control arms, walking beams, push-pull rods, eccentric sheaves, shafts, and similar related parts

Dive brakes

Drag parachute assemblies, release and jettison mechanism, and compartment

Ducting

Electrical system units

Elevator assemblies

Elevator tips

Elevon assemblies

Engine cowling

Engine mount assemblies

Exhaust collector assemblies and subassemblies

Fences (wing anti-slip)

Fillets, cowling gun access doors, fuel tank access doors, and gap covers that require removal for servicing and maintenance operations

Fin assemblies

Fire protection system units

Flap assemblies

Floats

Flooring

Fuel system units

Fuel tanks or cells

Fuselage entrance and exit doors and escape hatches

Fuselage sections joined with screws or bolts (such as nose section or tail section)

Glider or target tow assemblies - attachment and release

Hoisting fittings

Hydraulic system units

Inspection doors, plates, and panels

Instrument panels

Intercoolers

JATO attaching fittings

Landing gear pods

Loading ramp assemblies

Main landing gear assembly

Main landing gear closure doors

Nacelle structures, when bolted

Nose or tail wheel landing gear assembly

Nose or tail wheel landing gear closure doors

Oil tank or cells

Oil temperature regulators

Oxygen system units

Pedestal assemblies

Pitot static units (external)

Power plant installation (quick-change feature)

Power pods

Pressurization system units

Propulsion system air intakes

Provisions for government furnished property

Pylons

Radomes, astrodomes, and similar enclosures

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Rudder assemblies
Rudder tips
Ruddevator assemblies
Seats
Shock absorber assemblies
Skid assemblies
Slat assemblies
Speed brake assemblies
Spoiler assemblies
Stabilator assemblies
Stabilator tips
Stabilizers
Stabilizer assemblies
Stabilizer leading edges
Stabilizer tips
Stangs
Tail cones
Tail pipes
Thrust reverse doors
Turrets
Vane assemblies
Vortex generator structures
Wing assemblies
Wing leading edge assemblies
Wing tip assemblies
Wing trailing edges

All other items that are part of the aircraft or integral assemblies to be attached to the aircraft shall be interchangeable if they have characteristics similar to those listed above. This does not apply to items specified to have replaceability as defined herein (see 3.3.2).

b. Rotary wing aircraft

Aerial refueling assemblies

Aileron assemblies

Armament supporting parts and attachment fittings, brackets, etc.

Auxiliary aerodynamic surfaces

Cargo pods

Cockpit enclosure (units and subassemblies thereof)

Control columns

Control horns, masts, and brackets, where attached by bolts

Control system parts such as bellcranks, control arms, walking beams, push-pull rods, eccentric sheaves, shafts, and similar related parts

Cooling fan and clutch assemblies

Couplings-Clutch, driveshaft, and universals

Drive shafts

Ducting

Electrical system units

Elevator assemblies

Elevator tips

Engine cowling

Engine mount assemblies

Exhaust collector assemblies and subassemblies

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Fillets, cowling, fuel tank access doors, and gap covers that require removal for servicing and maintenance operations

Fin assemblies

Fire protection system units

Floats

Flooring

Fuel tanks or cells

Fuselage entrance and exit doors and escape hatches

Fuselage sections joined with screws and bolts (such as nose section and tail section)

Gear boxes - main, intermediate, tail

Glider or target tow assemblies - attaching and releasing

Hoisting fittings

Hydraulic system units

Inspection doors, plates, and panels

Instrument panels

Main landing gear assembly

Nacelle structures, when bolted

Nose or tail wheel landing gear assembly

Oil tanks or cells

Oil temperature regulators

Oxygen system units

Pedestal assemblies

Power plant installation (quick change features)

Provisions for government furnished property

Pylon assemblies

Radomes, astrodomes, and similar enclosures

Rescue hoists

Rotor blades, main and tail (individually)

Rotor hub and assemblies

Rudder assemblies

Rudder tips

Seats

Shock absorber assemblies

Skid assemblies

Sponson assemblies

Stabilizer assemblies

Stabilizer tips

Tail cones

All other items that are part of the aircraft or integral assemblies to be attached to the aircraft shall be interchangeable if they have characteristics similar to those listed above. This does not apply to items specified to have replaceability as defined herein (see 3.3.2).

c. Unmanned aircraft

Control horns, masts, and brackets, where attached by bolts

Control surface assemblies

Control system parts such as bellcranks, control arms, push-pull rods, eccentric sheaves, shafts, and similar related parts

Engine cowling

Engine mount assemblies

External fittings such as launching fittings, handling and hoisting fittings, JATO or booster fittings

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Fillets, cowling, and fuel tank access doors that require removal for servicing and maintenance operations

All packaged operating components or items of the guidance and control systems

Fuel tanks

Fuselage sections

Inspection doors, plates, and panels

Main landing gear assembly

Main landing gear closure doors

Nose or tail wheel landing gear assembly

Nose or tail wheel landing closure doors

Oil tanks

Provisions for government furnished property

Recovery system parts (parachute, explosive actuators, etc.)

Shock absorber assemblies

Skid assemblies

Stabilizer assemblies

Tail cones

Wing assemblies

All other items that are part of unmanned aircraft or integral assemblies to be attached to the aircraft shall be interchangeable if they have characteristics similar to those listed above. This does not apply to items specified to have replaceability as defined herein (see 3.3.2).

d. Missiles

(1) Other than ballistic type missiles

Interchangeability shall be at designated points only and within space limitations

All airframe sections which are packaged and shipped separately and assembled by using organizations

All installation provisions for support equipment

All motors, batteries, generators, inverters, regulators, and like items

All movable surfaces which are part of these sections

All packaged operating components or items of the guidance control system such as gyros, servos, and similar items

All pumps, valves, accumulators, actuators, cylinders, and like items

All provisions for warhead and fusing components

Control system parts such as bellcranks, control arms, push-pull rods, shafts, and similar related parts

External fittings for devices such as launching fittings, handling and hoisting fittings

JATO or booster fittings, and similar items

Provisions for government furnished property

Radomes

(2) Ballistic type missiles

Airframe sections at designated stations

All external fittings and fixtures providing interface connections for servicing and launch

All installation provisions for support equipment

All packaged operating components or items of the guidance and control system, such as gyros, computers, platforms, accelerometers, servo units, telemetric devices, and similar items

All pumps, valves, disconnects, actuators, cylinders, and like items

Engines - stage, booster, sustainer, and vernier

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Fairings

Inspection doors, plates, and panels

Large plumbing and conduits which may require fabrication of original or placement parts at the launch site or otherwise than under the control of the vehicle prime contractor

Nose cones (warheads, re-entry vehicles), adapters, and fairings

Pressure tanks such as hydrogen, nitrogen, etc.

All other items that are part of the missile or integral assemblies to be attached to the missile shall be interchangeable if they have characteristics similar to those listed above. This does not apply to items specified to have replaceability as defined herein (see 3.3.2).

3.3.2 Replaceability. Replaceable controlled items shall comply with the definition established in paragraph 6.2.9. Replaceable items identified as spares or potential spares shall be designed to permit replacement under field maintenance conditions. Alteration of adjoining items or structure during replacement of replaceable items originally installed is not authorized. Shimming of a replaceable item is allowed when approved by the procuring activity. The following controlled items, as may have been incorporated into the design of the aerospace vehicle, shall be replaceable with respect to any identical item conforming to the engineering data, tooling information, and control media established by the prime design contractor for the particular aerospace vehicle on contract. The degree of replaceability of said controlled items shall be determined by the procuring activity:

- a. Fixed, variable incidence, and variable sweep wing aircraft

Fillets

Fairings

Wing and empennage attachment fittings with respect to installation on the wing or empennage surfaces

Sections of wings, fuselage, and empennage assembled by manufacturing (permanent and semi-permanent) joints

Control horns, masts, and brackets, where attached by rivets

All items that are part of the aircraft or integral assemblies to be attached to the aircraft shall be replaceable if they have characteristics similar to those listed above.

- b. Rotary wing aircraft--as approved by the procuring activity
- c. Unmanned aircraft--as approved by the procuring activity
- d. Missiles--as approved by the procuring activity

3.4 Engineering drawings

3.4.1 Preparation. Engineering drawings for controlled items shall be prepared to conform to the requirements of Level 3 as specified in DoD-D-1000.

3.4.2 Drawing notes. The approved interchangeable or replaceable status of each controlled item and the rework of same, when applicable, shall be included in the drawing notes of drawings for all controlled items. Drawings shall specifically identify these features, such as hole patterns, contour, etc. which require control to maintain interchangeability.

3.4.3 Item identification. The item identification and part number requirements of DoD-STD-100 shall govern the contractor's part numbering and changes thereto for controlled items.

3.5 Extent. The interchangeability and replaceability required by this specification shall be maintained, where practical, throughout the complete model of the aerospace vehicle manufactured under the basic contract. Production action on controlled items, covered by request for deviation authority, shall not be taken by the contractor prior to receipt of that authority from the Government contracting officer, designated by the procuring activity, to deviate from the requirements of this specification.

3.6 Responsibility

3.6.1 Production control media. As may be specified in the schedule of the basic contract, the prime design contractor shall be responsible for providing the prime contractor, subcontractor, and in the event of a licensee program under Government auspices, the prime licensee contractor with the necessary control media, such as, current tool drawings, templates, fixtures, gages, duplicate masters, and other devices or appliances as specified in the applicable contract(s). All such production control media shall have dimensional accuracy and correct utilization verified as specified in paragraph 4.

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3.6.2 Supervision. As may be specified in the schedule of the basic contract, the prime design contractor shall be responsible for the general technical supervision of work being performed by the prime contractor and other manufacturing sources to assure that interchangeability or replaceability as required herein, is being maintained. The prime contractor shall be responsible for integrating and implementing an acceptable interchangeability-replaceability program unless otherwise specified in the contract.

3.6.3 Changes. As may be specified in the schedule of the basic contract, all changes which affect interchangeability or replaceability of the item, as required by the working lists or changes requiring development of new control media, shall be referred by the manufacturing source proposing the change to the procuring activity through the prime contractor and the prime design contractor. The prime design contractor shall be responsible for an analysis of all changes which affect interchangeability or replaceability of the item, as required by the working list, together with the submittal of his comments as to the acceptability of the suggested change to the procuring activity. The engineering responsibility for the change will be vested in the prime design contractor in the event interchangeability or replaceability is involved; no change shall be made by one manufacturing source without the same change being made by all other manufacturing sources of the same item. The requirements of paragraph 3.2.2 shall apply to all changes.

3.6.3.1 Submittal of changes. Requests for design changes shall be in accordance with MIL-STD-480. Approval of a request for design change shall constitute authority to effect said change only, and shall not finalize the interchangeability or replaceability status of the item(s) involved. Finalizing the status of the item(s), and other changes, shall be processed as specified herein.

3.6.3.2 Emergency deviations. Requests for emergency deviations to working lists may be made by teletype, telephone, personal contact, or other expeditious means. All communications shall be identified by the I&R document number and part number affected. If the initial communication regarding requested deviation was by other than written message, it shall be confirmed by written message within 48 hours, and followed by a formal change request within 15 calendar days after the first communication.

3.7 First article. Controlled items shall be inspected, as specified in paragraph 4, for conformance with the interchangeability or replaceability requirements as specified herein, or as listed in the working list, prior to proceeding into continuous production under the basic contract.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor shall be responsible for the interchangeability or replaceability of all items as approved by the procuring activity, or as shown in the approved working list, and shall establish an effective quality program to assure compliance with this specification. Such program shall include Quality Program Management, Facilities and Standards, and Manufacturing Control conforming to MIL-Q-9858. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to assure conformance to prescribed requirements.

4.2 Classification of inspections. The inspection requirements specified herein are as follows:

- a. First article inspection (see 4.3)
- b. Quality conformance inspection (see 4.4)
- c. Control media inspection (see 4.5)

4.3 First article inspection. Each controlled item shall be inspected during installation on the first aerospace vehicle, selected for first article inspection, to determine the degree of conformance to the interchangeability or replaceability requirement for that item. Certification of conformance to interchangeability or replaceability requirements, as specified herein, or as listed in the working list, shall be furnished to the Government contracting officer, designated by the procuring activity, on completion of first article inspection installation of all controlled items. Nonconforming items that cannot be corrected shall be listed on Interchangeability Document Change Requests (see 3.2.1) and submitted as specified in paragraph 3.2.2.

4.4 Quality conformance inspection. Proof of compliance with interchangeability or replaceability requirements, subsequent to the first article inspection, shall be established by scheduled installation of controlled items. The schedule for demonstrations shall be negotiated with the Government contracting officer designated by the procuring activity. Demonstrations shall require contractor certification, with noncomplying items being replaced, as may be specified in the contract. Certification or corrective actions shall be furnished aforesaid Government contracting officer.

4.5 Control media. Control media such as control masters, shop-masters, templates, fixtures, gages, and other devices or appliances that are used to maintain interchangeability or replace-

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ability as required herein, shall be inspected and maintained in accordance with the requirements of MIL-Q-9858.

4.6 Government inspection at other manufacturing sources. The Government reserves the right to inspect controlled items manufactured and the control media used at other manufacturing sources under the basic contract.

5. PREPARATION FOR DELIVERY

5.1 The data required by this specification shall be prepared for delivery in accordance with the requirements of the procuring activity under the basic contract.

6. NOTES

6.1 Intended use and application. This specification is intended for use on contracts for (a) the manufacture of operational aerospace vehicles, and (b) the modification of inservice aerospace vehicles (Class I changes, as defined in MIL-STD-480) that alter, add or replace controlled items as defined herein. Contracts for accomplishing changes on inservice aerospace vehicles should specify the degree of conformance to the requirements as specified herein, based on the magnitude of the change and the quantity of aerospace vehicles involved. Unless otherwise specified, the requirements of this specification should (a) apply to prototype/development vehicles on contracts for modification of inservice aerospace vehicles, and (b) not apply to contracts for experimental/service test/development aerospace vehicles or Army missiles.

6.2 Definitions

6.2.1 Aerospace vehicle. As used in this specification, an "aerospace vehicle" is any machine or craft designed to travel through the air, given lift by dynamic reaction of air particles over and about its surfaces, or by reaction to a jet stream or other fluid jet.

6.2.2 Controlled item. As used in this specification, the term "controlled item" denotes a part, assembly, subassembly, unit, set, segments of the airframe, or any other physical element of the aerospace vehicle, that is identified by a part number, and is controlled in manufacture by means of control media. The term may also denote installation provisions for such items when these provisions are controlled by means of control media.

6.2.3 Control media. As used in this specification, "control media" is tooling such as control masters, shopmasters, fixtures, gages, templates, and other devices or appliances necessary for maintaining interchangeability or replaceability as required by this specification.

6.2.4 Interchangeability. As used in this specification, "interchangeability" applies to "interchangeable items" that are manufactured with the aid of controlled media, and require only the application of attaching means for their installation. Interchangeable items shall be capable of being readily installed, removed, or replaced without alteration, misalignment, or damage to items being installed or to adjoining items or structure.

6.2.5 Interchangeability document change request. As used in this specification, an "Interchangeability Document Change Request" (IDCR) is a document used to request an addition or change to an item in the working list, after said list has been approved by the procuring activity, or when a deviation to specification requirements is required.

6.2.6 Other manufacturing sources. As used in this specification, "other manufacturing sources" applies to any approved sources other than the prime design contractor or the prime contractor. Other manufacturing sources may include affiliate contractors, sub-contractors, and others who fabricate parts for inclusion in the articles assembled by the prime contractor.

6.2.7 Prime contractor. As used in this specification, "prime contractor" applies to that contractor having the prime or basic contract to furnish to the Government the articles to which this specification applies, and wherein the specification is specifically incorporated and identified.

6.2.8 Prime design contractor. As used in this specification, "prime design contractor" applies to the designer, or propriety, or original manufacturer of the original article as specified in the contract.

6.2.9 Replaceability. As used in this specification, "replaceability" applies to "replaceable items" that are manufactured with the aid of controlled media, and the installation of which requires alterations of the items in addition to the normal application and methods of attachment. Such alterations may include drilling, reaming, cutting, filing, trimming, bending, shaping, etc.

6.2.10 Working list. As used in this specification, the "working list" is a document containing on each page one or more items requiring control media to maintain interchangeability or replaceability as defined in this specification, and listing pertinent information related to the item(s) listed.

6.3 Supersession data. This issue of MIL-I-8500 for new contracts for aerospace vehicles. Previous issues of MIL-I-8500 on contracts in force on the date of this specification remain in effect until termination of said contracts.

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Notice. When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data are not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

Custodians:

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Navy-----AS

Air Force--99

Reviewer Activity

Army-----MI

Preparing Activity:

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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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