

**NOT MEASUREMENT
SENSITIVE**

MIL-D-5480F
1 October 1994
Superseding
MIL-D-5480E
5 June 1970
MIL-D-8510B(ASG)
18 December 1958

**MILITARY SPECIFICATION
DATA, ENGINEERING AND TECHNICAL: REPRODUCTION,
REQUIREMENTS FOR**

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

1. SCOPE.

1.1 Scope. This specification covers the minimum requirements for the production, preparation for delivery, and shipment of reproducible and nonreproducible copies of drawings, associated lists, and related engineering and technical data. This specification also covers the preparation of reproducibles (full-size on stable materials and reduced scale photographic negatives) of undimensioned drawings, tooling, and template layouts and master loft lines (formerly MIL-D-8510). The original documents from which these copies are produced may be manually or computer generated and are not addressed by this specification. For the purposes of this specification, the direct output from a digital source is considered the original from which reproductions meeting the requirements herein are produced.

1.2 Classification.

1.2.1 Classes and sizes. Reproductions shall be of the following classes and sizes (see 6.1).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: HQ AFMC/ENP, 4375 Chidlaw Rd., Suite 6, Wright-Patterson AFB OH 45433-5006 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter

AMSC N/A

AREA DRPR

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

1.2.1.1 Class 1 - Nonreproducible (opaque) copies

1.2.1.2 Class 2 - Unscaled reproducible (translucent or transparent) copies. This class applies to reproducibles of dimensioned, schematic, pictorial, and other drawings which do not require accurate scale reproduction.

1.2.1.3 Class 3 - Scaled reproducible (translucent or transparent) copies. This class applies to undimensioned drawings which require accurate scale reproduction.

1.2.1.4 Types. Reproduced data shall be further designated as full size or reduced size reproductions.

- a. Type A. Full size reproductions
- b. Type B. Reduced size reproductions

1.2.1.5 Media. Data reproductions shall be accomplished using the following processes, materials, or equivalents as may be selected or authorized by the acquiring activity.

Blueprints, Blueline prints	Brownprints, Brownline prints
Diazo prints	Photo-offset prints
Diazo prints (interfileable type)	Photo-contact prints.
Electrostatic prints	Direct photographic positive prints
Lithographic prints	Photographic projection prints
Washoff prints	Photocopy
Xerographic copies	Photoplot

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation. (see 6.2)

SPECIFICATIONS

Federal

UU-P-221 Paper Direct-Positive Sensitized,
(Diazotype-Moist and Dry Process)

STANDARDS

Military

MIL-STD-129 Marking for Shipment and Storage

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the DOD Single Stock Point, Standardization Documents Order Desk, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

DEPARTMENT OF DEFENSE

DOD 5220.22-M Industrial Security Manual for Safeguarding
Classified Information

(Copies of DOD 5220.22-M are available from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402-0001)

2.2 Non-Government publications. The following document(s) form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation. (see 6.2)

AMERICAN NATIONAL STANDARDS INSTITUTE

ANSI Y14.1 Drawing Sheet Size and Format

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)

ASME Y14.1M Metric Drawing Sheet Size and Format

ASME Y14.34M Parts Lists, Data Lists, and Index Lists

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM-D-3951 Standard Practice for Commercial Packaging

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION

National Motor Freight Classification

Copies of DOD adopted non-Government Standards are available to Military activities through the DOD Single Stock Point, Standardization Documents Order Desk, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094. Military activities may obtain copies of non-DOD adopted documents from the sponsoring industry association. Non-military activities may obtain copies of non-Government standards and publications from the sponsoring industry organizations as follows:

- (ANSI) American National Standards Institute (ANSI)
11 West 42nd Street, 14th Flr
New York, NY 10036-8002

- (ASME) American Society of Mechanical Engineers (ASME)
345 East 47th Street
New York NY 10017-2392

- (ASTM) American Society for Testing and Materials (ASTM)
1916 Race Street
Philadelphia, PA 19103-1187

- National Motor Freight Traffic Association, Inc.
2200 Mill Road
Alexandria VA 22314-4654

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS.

3.1 General. All drawing and data reproductions shall meet the following requirements. Materials referred to as high-grade commercial, shall be of a commercial quality entirely suitable for the intended purpose.

3.2 Detail requirements.

3.2.1 Legibility and contrast. Legibility and contrast of reproductions shall be such that every line, number, letter, and character be clearly legible and readable.

3.2.2 Reproductive quality. Class 2 and 3 reproductions shall be of such clarity as to produce a fourth generation copy (see 6.3.29) which will meet the legibility requirements specified herein.

3.2.2.1 Class 3. Reproductions shall be of high-contrast, transparent material, having dimensional stability equal to or better than calendared base vinylite film. The material shall have allowable tolerance and stability characteristics within the following limits.

a. **Stability.** Changes in linear dimensions shall not exceed 0.00001 inch per inch (0.00025mm per mm) per degree Fahrenheit (.6 degree Celsius) when the material, conditioned at 80 degrees Fahrenheit (26.7 degrees Celsius), is exposed to 220 degrees Fahrenheit (104 degrees Celsius) for one hour and returned to the original condition temperature. Changes in linear dimensions shall not exceed 0.00001 inch per inch (0.00025mm per mm) per percent relative humidity when the material, conditioned at 10% relative humidity, is exposed to 98% relative humidity for twenty four hours and returned to the original conditioning relative humidity.

b. **Allowable tolerance.** The thermal and hygroscopic coefficients of linear expansion shall be such that the allowable overall tolerance between check points at extremities of the sheet (length or width direction) shall not exceed ± 0.015 inch (in 144 inches) or ± 0.38 mm (in 3650mm) when exposed to a 7 degree Fahrenheit or 3.8 degree Celsius rise or drop in temperature, or a 7% rise or drop in relative humidity under normal room conditions. Reproducibles shall be marked in the right-hand corner, adjacent to or above the title block, per the example shown in figure 1, and the atmospheric conditions shall be recorded at the time of reproduction.

REPRODUCTION CONDITIONS	
Relative Humidity:	Date:
Temperature:	Checked By:

Figure 1

c. **Care and Handling.** In order to maintain the stability requirements defined above, reproducibles shall be rolled to a minimum diameter of 3 inches (76mm).

d. **Clarity.** Lettering and linework shall be clear, legible, and suitable for reproduction.

3.3 Nonreproducible copies. Class 1 reproductions shall be direct reading and shall conform to 3.2.1.

3.3.1 Print material. Diazo prints shall be produced using opaque material conforming to the requirements of UU-P-221. All other drawing and data reproductions shall be produced on high grade commercial stock.

3.4 Reproducible copies. Class 2 and 3 reproductions shall be direct reading and shall conform to 3.2.1. They shall be prepared on translucent or transparent material and so processed that a minimum of 150 acceptable right-reading reproductions can be made therefrom. These reproductions shall be capable of being reproduced on continuous reproduction equipment without sorting for machine or printing speed to secure satisfactory reproduction. They shall be processed properly to insure keeping qualities for a minimum of two years without discoloration.

3.4.1 Print material. Diazo (interfileable) prints shall be produced using material conforming to the requirements of UU-P-221 and, when possible, style F shall be specified. All other drawing and data reproductions shall be produced on high grade commercial stock.

3.5 Reduced size copies. Reduced size reproductions (Type B) shall be direct reading. Reduction shall be to one-half the size of the original drawing but no smaller than "A" size (8-1/2 by 11 inches) or A4 size (210 by 297 mm). Reduced size reproducibles shall meet the requirements of 3.4 and shall not exceed 24 by 24 inches or 610 by 610 mm. Drawings exceeding approximately 90 inches or 2280mm shall be photographed in sections from right to left, allowing for an overlap of 1 inch or 25mm on each section. When drawings are reproduced in sections, the drawing and section number shall appear on each section and each section shall contain one of the reproduction accuracy verification methods of 3.7.

3.5.1 Size identification. Reduced size reproductions and related shipping lists shall be clearly marked to indicate the original and reduced sizes. The regular size letter of the drawing shall be indicated, followed by a slant and the letter designating the reduced size drawing (e.g. "D/B" where "D" is the original size of the drawing, and "B" is the reduced size or "A1/A3" where "A1" is the original size of the drawing and "A3" is the reduced size). On the drawing, a supplemental block shall contain the marking and be located as close as practicable to the original size designator in the title block without obscuring any aspect of the drawing content. Shipping lists shall include the marking in the size column.

3.5.2 Flat sizes. Flat size drawings ("B" thru "F" or "A3" thru "AO") shall be reduced only to the sizes indicated in ANSI Y14.1 or ASME Y14.1M. In no case will the drawing be reduced to less than "A" size (8-1/2 by 11 inches) or "A4" size (210 by 297 mm) respectively.

3.5.3 Roll, elongated, or extra elongated sizes. Reduced roll, elongated, or extra elongated size drawings shall be identified by the nearest applicable letter. However, if the original roll size drawing is not, or cannot be, reduced to a flat size due to loss of legibility, the reduced size of the drawing shall be denoted as "R" (e.g. "J/R" or "A1X3/R" where "J" or "A1X3" is the original size of the drawing, and "R" is the roll size reduction).

3.6 Preparation. Reproducible reproductions shall be made by any commercial method (tracing, X-ray, contact, photographic, etc.) providing all requirements of this specification are met.

3.6.1 Class 3, Type A. Full size reproducibles shall not exceed 60 by 144 inches or 1525 by 3650mm including margin space. Drawings exceeding these dimensions shall be furnished in sections, reading from right to left, allowing for a minimum 2 inch or 50mm overlap on each section. When drawings are reproduced in sections, each section shall include the drawing and section numbers, and one of the reproduction accuracy verification methods of 3.7.

3.6.2 Class 3, Type B. When reduced size reproductions are made through the use of photographic techniques, the negatives produced shall be sufficiently accurate to permit making a full-scale reproduction on sensitized material within manufacturing tolerances and shall be made directly from the original full-scale, undimensioned drawings by photographic means.

3.7 Reproduction accuracy verification. All Class 3 reproducibles shall utilize one of the following methods to provide for reproduction accuracy verification.

3.7.1 Trammel points. Each negative or reproduced drawing section shall include a minimum of four trammel points rectangularly located so that trammels may be applied vertically and horizontally. Dimensions from trammel point to trammel point shall be indicated.

3.7.2 Control dimensions. Each negative or reproduced drawing section shall include suitable control dimensions provided by means of grid lines, check points, or other identifying information, so located that size may be checked vertically, horizontally, and diagonally.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the supplier may use their own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items shall meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

4.2 Reject/accept. Reproductions not conforming to the specific requirements shall be rejected and new reproductions conforming to the requirements shall be prepared prior to submitting the lot for Government acceptance. If acceptable reproductions conforming to the legibility and reproducibility requirements specified herein cannot be obtained from the contractors original drawings, the original drawings shall be retraced, redrawn, or replotted as necessary, in order to produce acceptable reproductions. Records of all inspections performed in accordance with these provisions shall be made available to the Government, upon request, at the time the reproductions are presented for Government acceptance.

4.3 Material inspection. The packaging, packing, and marking of the reproducible and nonreproducible material shall be inspected to verify conformance to the requirements herein.

5. PACKAGING

5.1 Non reproducible and reproducible data. Shipments containing more than one set of data, or data for more than one model of aircraft, engine, tank, etc., shall be separated by sets or models. Data common to more than one model or set of data shall be grouped separately. Shipping lists (5.5) shall reflect these groupings of data.

5.2 Packing and packaging. Unless otherwise specified in the contract or purchase order, reproductions shall be packaged in accordance with ASTM-D-3951. Containers shall conform to the requirements of National Motor Freight Classification rules in effect at the time of shipment, and shall be able to withstand storage, rehandling, and reshipment without the necessity of repacking. Shipments of data shall be arranged numerically by size and reproducible data shall not be folded.

5.2.1 Sheet sizes. Drawings of the same sheet size, in sizes A, B, and C or sizes A2, A3, and A4, shall be packaged in flat packs. D or A1 and larger sheet size drawings may be rolled (3 inch or 76mm minimum diameter) on a rigid core which shall extend sufficiently beyond the ends of the drawings to provide suitable protection and with an overall diameter not exceeding 8 inches (205mm) prior to packaging.

5.2.2 Roll sizes. Roll, elongated, and extra elongated size drawings as described in ANSI Y14.1 and ASME Y14.1M, shall be rolled, individually, to a minimum diameter of 2 inches (50mm) and secured against unrolling for shipment. Suitable protection against damage shall be provided by the shipping container.

5.2.3 Folded reproductions. When specified by the acquiring activity, Class copies may be folded for ease of shipment. Copies shall be folded to "A" (8-1/2x11 inches) size for non-metric size drawings and "A4" (210mm x 297mm) for metric size drawings.

5.2.4 Photographic negatives. Each reproducible photographic negative shall be enclosed in an individual envelope in standard sizes. Envelopes shall be suitable for permanent files and shall include the drawing number on the outside in the upper right-hand corner. Negatives shall not be rolled or folded.

5.2.5 Other reproducibles. Full size and reduced size reproducibles of the same size, in sizes A, B, C, D, A1, A2, A3, and A4 shall be packaged in flat packs. Reproducibles larger than D or A1 size, shall be rolled (minimum diameter 3 inches or 75mm) and enclosed in a suitable container.

5.3 Classified data. Classified data shall comprise a separate shipment and shall not be interfiled with unclassified data. Shipping container marking restrictions of MIL-STD-129 shall apply and DOD 5220.22-M shall be utilized for safeguarding classified information.

5.4 Export controlled data. Unclassified data subject to export control shall comprise a separate shipment and shall not be interfiled with unclassified data. Shipping container marking restrictions of MIL-STD-129 shall apply

5.5 Shipping Lists. Shipping lists shall identify all data being furnished in each shipment. One copy shall be included with each shipment of drawings. One copy of the shipping list shall be forwarded with the letter of transmittal. The shipping list shall provide the model/type designator, item name, contract number(s), and commercial and government entity (CAGE) code. Shipments incorporating engineering data for more than one model of aircraft, engine, etc. (see 5.1), shall be identified by separate shipping lists for each model. A shipment of miscellaneous drawings shall be accompanied by a shipping list. For multi-sheet drawings, the total number of sheets shall be specified when all sheets of that drawing are included in the shipment. However, if all sheets of a drawing are not included in the shipment, the specific sheets that are included shall be identified.

5.5.1 Vendor data. All vendor data sent through the prime contractor shall be listed on the end of the prime contractor's shipping list. These data are listed individually and include the CAGE code for each vendor listed. Vendor data shall be segregated alphabetically by vendor, and shall include the street address, city, state, and ZIP code.

5.5.2 Document and drawing numbers. Document and drawing numbers shall be listed on the shipping list in the numerical arrangement as specified for data lists in ASME Y14.34M. Drawing numbers shall be further identified by showing change status, drawing part name (noun first), and drawing size.

5.5.3 Reduced size copies. Reduced size copies of drawings shall be distinguished from regular size drawings by indication in the size column of the shipping list per 3.5.1.

NOTE: Contractor designed forms may be used when the content of such forms contain the requirements specified herein.

5.6 Marking of shipments. Interior packages and exterior shipping containers shall be marked in accordance with MIL-STD-129. Each interior package shall be marked in such manner that the markings will not become damaged when the packages are opened. The minimum nomenclature for interior packages and exterior shipping containers shall be as follows: Drawings and Data List For (name of item), Specification (as applicable), Name of Manufacturer, Name of Contractor (if different from manufacturer), Contract or Order No.

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 specification is to be applied to contracts which acquire reproductions of drawings and related data.

6.1.1 Class 3, Type A. Intended for use in the preparation of full size reproducibles of undimensioned drawings for production aircraft, guided missiles, production of tooling and parts for repair and modification, or any other function requiring undimensioned drawings.

6.1.2 Class 3, Type B. Intended for use in the preparation of reduced-size reproducibles of full-size undimensioned drawings for production aircraft, guided missiles production of tooling and parts for repair and modification,, or any other function requiring undimensioned drawings.

6.2 Acquisition Documents. Acquisition documents must specify the following:

- a. Title, number, and date of this specification.
- b. The specific issue of individual documents referenced (see 2.1).
- c. Classes, and types as applicable, of reproductions required (see 1.2.1).
- d. Reduced size reproductions, when specified (see 3.5).
- e. Special packaging instructions (see 5.1 and 5.2).
- e. Any other desired options offered herein.

6.3 Definitions. The following definitions pertain to words or phrases used in this specification.

6.3.1 Blueprints and blueline prints. Blueprint (white lines on a blue background) and blueline prints (blue lines on a white background) are products of a potash solution which is potassium carbonate salt.

6.3.2 Blueprint process. Reproduction method using light-sensitive iron salts, which produces a negative image from a positive master.

6.3.3 Brownprints and brownline prints. Brownprints are prints with white lines on a dark brown background, and brownline prints are prints with brown lines on a white background.

6.3.4 Brownprint process. Reproduction method using light-sensitive iron and silver salts, which produces a negative sepia image from a positive master. These are processed by using a wet process.

6.3.5 Diazo prints. Diazo prints are products of sensitized paper for producing direct-positive prints from translucent or transparent originals by contact printing and ammonia-vapor or moist development.

6.3.6 Dazotype process. Reproduction method based on light-sensitive diazo compounds in which a colored, positive image is formed from a positive master.

6.3.7 Electrostatic prints. Electrostatic prints are products of a process in which a residual electrostatic charge after light exposure is used to produce an image.

6.3.8 Electrostatic process. Reproduction method in which image formation depends on electrical, rather than chemical, changes induced by light.

6.3.9 Negative. An image, usually on film or translucent base stock, in which the light and dark areas are reversed from those of the original.

6.3.10 Negative print (Indirect). An image, usually on opaque base stock, in which the light and dark areas are reversed from those of the original.

6.3.11 Negative process. Process which reverses the light and dark areas of the original being reproduced.

6.3.12 Nonreproducible. An image which will not absorb actinic (visible or ultraviolet) light. The lines do not reproduce but serve only as guide lines.

6.3.13 Offset. Transfer of image material from one sheet to another with which it is in contact.

6.3.14 Original. The current design activity's full size reproducible drawing or digital file(s) on which is kept the revision record recognized as official.

6.3.15 Photocopy and photographic prints. Photocopy and photographic prints are products of the silver halide sensitizing or photographic materials process. They may be referred to as photo reproduction.

6.3.16 Photo-offset prints. Photo-offset prints are black lithographic ink lines printed on a white background.

6.3.17 Positive. An image, on opaque or translucent base stock or film, in which the light and dark areas appear as they exist in the original.

6.3.18 Positive print (Direct). An image, usually an opaque base stock, in which the light and dark areas appear as they exist in the original.

6.3.19 Positive process. Reproduction method in which dark and light areas of the original are reproduced as such on the resultant prints.

6.3.20 Reproducible. Capable of use as a master for actinic printing.

6.3.21 Right Reading. Term to describe an image which is directly readable as opposed to a mirror image.

6.3.22 Standards. Standards are documents that establish engineering and technical limitations and application for items, materials processes, methods, designs, and engineering practices.

6.3.23 Tooth. Surface receptivity to pencil or ink.

6.3.24 Transparency. Print to be viewed by transmitted light. Hence, a print on transparent base stock.

6.3.25 Translucent. Semi-transparent not clear, but capable of transmitting diffuse light.

6.3.26 Vendor. A source from whom a purchased item is obtained; used synonymously in this standard with the term supplier. (MIL-STD-100)

6.3.27 Washoff prints. Washoff prints are products of sensitized materials coated with a colloid and tanning agent and a reducible silver salt.

6.3.28 Washoff. A product, either paper or cloth, coated with a colloid and tanning agent and a reducible silver salt which on exposure yields a tanned, insoluble negative image and soluble nonimage areas are washed away during processing.

6.3.29 Fourth generation copy. A fourth generation copy is defined as the last copy of a series made as follows:

1st generation made from copy furnished the procuring activity.

2nd generation made from 1st generation copy.

3rd generation made from 2nd generation copy.

4th generation made from 3rd generation copy.

6.4 Subject term (keyword) listing.

Drawings
Blueprints
Electrostatic Prints
Photocopy

6.5 Changes from previous issue. This specification combines the intent of MIL-D-5480E and MIL-D-8510B(ASG), including Amendment 2. The reworked structure of Form, Class, and Type bears little resemblance to previous revisions of MIL-D-5480 or MIL-D-8510. Due to the scope of changes resulting from this effort, no attempt has been made to highlight the changes from either specification.

CONCLUDING MATERIAL

Custodians:

Army - AR
Navy - AS
Air Force - 10

Preparing Activity:

Air Force - 10
(Project DRPR-0334)

Reviewers:

Navy - ED, MC, OS, SA, SH, YD
Air Force - 11, 68, 71, 99
DLA - CS

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of 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.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER MIL-D-5480F	2. DOCUMENT DATE (YYMMDD) 941001
3. DOCUMENT TITLE Data, Engineering and Technical, Reproduction Requirements for		
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)		
5. REASON FOR RECOMMENDATION		
6. SUBMITTER		
a. NAME (Last, First, Middle Initial)	b. ORGANIZATION	
c. ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (if applicable)	7. DATE SUBMITTED (YYMMDD)
8. PREPARING ACTIVITY		
a. NAME Technical Policy Division (HQ AFMC/ENP)	b. TELEPHONE (Include Area Code) (1) Commercial (513) 257-5561	(2) AUTOVON 787-5561
c. ADDRESS (Include Zip Code) 4375 Chidlaw Road, Suite 6 Wright-Patterson AFB OH 45433-5006	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	