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MIL-DTL-8031G  
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## DETAIL SPECIFICATION LIST OF APPLICABLE PUBLICATIONS (LOAP) - PREPARATION



Comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be submitted to: 754 ELSG/ILMT, 4170 Hebble Creek Road, Bldg. 280, Door 15, Area A, Wright-Patterson AFB, OH 45433-5653 or by email to: [SGMLsupport@wpafb.af.mil](mailto:SGMLsupport@wpafb.af.mil). Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.daps.dla.mil/>

AMSC

AREA TMSS

**Distribution Statement A. Approved for public release; distribution is unlimited.**

**MIL-DTL-8031G****1 SCOPE**

1.1 Scope. This detail specification covers the detail requirements for the preparation of the list of applicable publications, referred to throughout this specification as the LOAP. In addition to paper delivery this specification provides for electronic delivery of data through the use of the Document Type Definitions (DTDs) as specified in [Appendix A](#).

1.2 Detail. The level of detail contained in this detail specification is necessary to comply with the requirements of the Joint Computer-aided Acquisition and Life-cycle Support (JCALS) system.

**2 APPLICABLE DOCUMENTS**

2.1 General. The documents listed in this section are specified in sections 3, 4, or 5 of this specification. This section does not include documents cited in other sections of this standard or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 3, 4, or 5 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 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 cited in the solicitation or contract.

DEPARTMENT OF DEFENSE STANDARDS

**MIL-STD 38784**

Manuals, Technical: General Style and Format Requirements

(Copies of these documents are available online at <https://assist.daps.dla.mil/quicksearch> or may be ordered by mail from the Standardization Documents Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.2.2 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 or contract.

AIR FORCE TECHNICAL MANUALS

**TO 00-5-3**

AF Technical Order Life Cycle Management

(Copies of this document are available online at <https://www.tinker.af.mil/technicalorders/index.asp>.)

2.3 Order of precedence. Unless otherwise noted herein or in the contract, 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 Preparation. The general manner of preparation shall be in accordance with the requirements of MIL-STD-38784. See for electronic delivery of this manual.

Electronic media requirements: Page size requirements are N/A. All manuals shall be single column.

Print media requirements: The manual shall be prepared in 8 ½ by 11-inch size. Unless otherwise specified by the acquiring activity, Chapters 1 and 2 shall be in double column format (see [6.2b](#)).

3.2 Content and arrangement. The LOAP shall be arranged as follows:

Front Matter

Chapter 1 - Technical Manuals

Chapter 2 - Part Number to Technical Order Number

3.2.1 Front matter. Front matter shall be prepared in accordance with the requirements of MIL-STD-38784.

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Electronic media requirements: Front matter shall consist of title information, list of changes, verification status information (when applicable), table of contents and foreword, in accordance with the requirements of MIL-STD-38784.

Print media requirements: Front matter shall consist of a title page, list of effective pages, verification status page (when applicable), table of contents (see figure 1), and foreword (see figure 2), in accordance with the requirements of MIL-STD-38784.

3.2.2 Chapter 1 - Technical manuals. This chapter shall include all technical manuals (index type, general and technical, including checklists, inspection work-cards, inspection sequence charts, work unit code manuals, etc.) applicable to the specific equipment covered by the publication, including installed and support equipment. These listings shall also include commercial manuals and unpublished technical manuals being procured, or prepared, which have been assigned technical manual identification numbers. Supplemental manuals shall be included, except those listed in 3.4.

3.2.2.1 Technical manual listings (see figure 3). The listings shall be in alphanumeric sequence, single position at a time (except as specified in 3.2.2.1.1), and under main series and sub-series headings. However, technical manual identification numbers beginning with numeral 1 through 9 shall be considered to be preceded by a space; thus, TO 2J-TF39-2 shall be treated as “space 2J-TF39-2” in order to precede TO 11A15-1-2. The main series headings used shall conform to the titles of the applicable numerical indexes (see 6.4). The sub-series headings used shall be those applicable in the current issue of the various numerical indexes. Examples of main series and sub-series headings are:

- a. Aircraft Publications (1- Category)
  1. General Aircraft
  2. General Engineering Manuals
  3. Weight and Balance
  4. Air Refueling
  5. Maintenance Analysis and Structural Integrity Information System
  6. Aircraft Battle Damage Repair
  7. Bomber Aircraft; Cargo/Transport Aircraft and Special Electronic Aircraft; Fighter Aircraft; Attack, Helicopter, Observation, Trainer, and Utility Aircraft
- b. Airborne Engines and Associated Equipment Publications (2-Category)
  1. General Aircraft Engines
  2. Gas Turbine Engines
  3. Jet Engines
  4. Booster and Rocket Engines
  5. Reciprocating Engines
- c. Fuel, Oil, and Propellant Handling Equipment (37-Category)
  1. Fuel and Oil Handling Equipment
  2. Propellant Storage and Handling Equipment
  3. Associated Equipment
- d. Automatic Test Systems (51-Category)
  1. General Automatic Test Systems
  2. Computer Operated Test Stations
  3. Aircraft Engines (Test Stations)
  4. Navigation Instruments (Test Stations)
  5. Radar Equipment (Test Stations)

**MIL-DTL-8031G****6. Test Guidance Equipment**

3.2.2.1.1 Whole numbers. Numbers which are not separated by dashes, letters, or other symbols shall be treated as whole (one) numbers. (For example: the listing for TO 33D7-3-193-7-1 shall precede the listing for TO 33D7-10-185-1; the listing for TO 33D7-6-89-1 shall precede the listing for TO 33D7-6-136-1, etc.)

3.2.2.2 Column heads (see figure 3). Column headings shall be as follows:

TO NUMBER	TITLE	TYPE	TO NUMBER	TITLE	TYPE
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Electronic media: Scrolling table shall have only one column.

3.2.2.2.1 TO number column. Technical manual identification numbers shall be listed in alphanumeric sequence (see 3.2.2.1). Dates of technical manuals shall not be shown.

3.2.2.2.2 Title column. Publication titles shall conform to those contained in the applicable numerical indexes (see 6.5), and shall also conform to titles assigned to unpublished technical manuals. Where two or more manual listings cover the same model(s) or type(s) of equipment, the complete title shall be shown for the first listed manual. Subsequent listings shall show "Same as TO XX-XXX-XX" in lieu of the complete title.

3.2.2.2.3 Type column. Publication type shall be indicated by the use of symbols, which shall be explained in the introduction. If manuals are restricted by maintenance level, the symbol shall so indicate. The "-W" suffix to publication type denotes winterization applicability. The "M-W" suffix indicates a manual in which winterization instructions are included.

3.2.3 Chapter 2 - Part number to technical order number (see figure 4). Unless otherwise specified by the acquiring activity, this chapter shall be used (see 6.2d.). When not used, it shall be included and marked "Not applicable." This chapter shall include all installed and support equipment to which a part number has been assigned, and the technical manual identification number which has been assigned for that part number. This chapter shall be in alphanumeric sequence by part number. Column headings shall be as follows:

PART NUMBER	TO NUMBER	PART NUMBER	TO NUMBER
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Electronic media: This chapter shall be formatted as a scrolling table. The scrolling table shall have only one column.

3.3 Changes and revisions. Revisions shall be in accordance with the requirements of MIL-STD-38784.

3.4 Information to be excluded. The LOAP shall not include illustrations, time compliance technical orders, technical order page supplements, routine supplements, operational supplements, or safety supplements.

**4 VERIFICATION**

4.1 Verification requirements. When the technical data produced according to this specification is offered for acceptance, all tests, reviews, and verifications required by the acquiring activity to determine that it conforms to the requirements in section 3 of the specification, shall be performed as specified in the solicitation or contract. The Air Force Technical Order Policy and Procedures (AF TOPP) team, AFMC/A4UE, provides the specific requirements for verification of technical data developed and delivered through this specification, as well as guidance for including these requirements in the solicitation or contract (see TO 00-5-3, AF Technical Order Life Cycle Management, 2.2.2).

4.2 Compliance. Technical manuals (TMs) shall meet all requirements of section 3 of this specification and the appropriate DTD appendix, as required by the acquiring activity (see 6.2). The requirements set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any requirements in this 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. Use of sampling inspections shall be at the discretion of the contractor, and in accordance with commercially acceptable quality assurance procedures. However, use of sampling in QA procedures does not authorize submission of known defective material, either indicated or actual, nor does it commit the government to accept defective material.

**MIL-DTL-8031G****5 PACKAGING**

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2e.). When packaging of materiel is to be performed by DoD or in-house contractor personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the military service's system commands. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

**6 NOTES.**

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

6.1 Intended use. The technical manuals prepared in accordance with the requirements of this specification are intended to enable personnel to select publications pertinent to the weapon, system, equipment, or vehicle to which the publication applies.

6.2 Acquisition requirements. Acquisition documents must specify the following:

- a. Title, number, and date of this document.
- b. If this manual is prepared for paper or e-TO viewer output (see 3.1).
- c. If electronic delivery of this manual is required (see 3.1).
- d. If Chapter 2 - Part number to technical order number is not required (see 3.2.3).
- e. Packaging requirements (see 5.1).

6.3 Definitions.

6.3.1 Verification. Verification (section 4), in the context of this specification, equates to the contractor's quality assurance program for validating the content of the manuals. Suggested validation methods include:

- a. Actual performance. Using production configured equipment, hands-on performance of the procedure using the technical instructions as written.
- b. Simulation. Using production configured equipment and the manual, simulate the actions required by the task steps.
- c. Table top analysis. Primarily for nonprocedural data, compare the technical content to source data to ensure the technical accuracy and depth of coverage.

6.4 Numerical indexes. The applicable numerical indexes are listed in TO 0-1-01 (see 3.2.2.1).

6.5 Publication titles. Publication titles are contained in TO 0-1-01 and -02, 0-1-1-1 through -5, and 0-1-2 through -51 (see 3.2.2.2).

6.6 Technical manuals. The requirement for technical manuals should be considered when this specification is applied to a contract. If technical manuals are required, specifications and standards that have been authorized and assigned an Acquisition Management Systems Control List (AMSC) must be listed on a separate Contract Data Requirements List (DD Form 1423), which is included as an exhibit to the contract. The technical manuals must be acquired under separate contract line item in the contract.

6.7 Subject term (key word) listing.

Part number to technical order number

Technical manual listings

6.8 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

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TO 1X-XXX-01

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00- General Technical Orders .....	1-1	21- Guided Missiles Publications .....	1-42
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FIGURE 1. Example Table of Contents

## MIL-DTL-8031G

TO 1E-3A-01

## FOREWORD

1. CONTENTS.

This list of applicable publications contains a complete listing of technical order system publications applicable to the E-3A aircraft. The term "complete listing" refers to technical orders required at sites, bases, overhaul depots, and manufacturing plants to operate and maintain the aircraft, including engines, accessories, and installed equipment.

2. PURPOSE.

The purpose of this technical order is to enable concerned personnel to select and become familiar with publications pertinent to the E-3A. This technical order eliminates the need for compilation of similar data by individual service activities. Included in this technical order are technical orders required for limited technical order files, publications requirement tables, etc.

3. ARRANGEMENT.

3.1 Technical Order Listings. Publications in this technical order are listed in alphanumeric order and under classification headings corresponding to those contained in the technical order numerical indexes. Supplementary data are provided in the format columns to portray publications type.

## NOTE

Before submitting a requisition, refer to TO 0-1-series indexes to ascertain the date, status, availability, and security classification of publications listed herein.

3.2 Publication Titles. The publication titles appearing in this technical order conform, as nearly as possible, to those contained in the numerical indexes of technical publications.

4. ALPHANUMERICAL SEQUENCE.

4.1 Technical Order and Part Number Arrangement. Technical order and part number arrangement in this publication begin in the extreme left-hand position and continue from left to right until all alphanumerics are arranged in sequence. Technical order numbers beginning with the numerals 1 through 9 shall be considered to be preceded by a space. Therefore, TO 6J12-9-13 shall be treated as TO space 6J12-9-13 in order to precede TO 11A2-5-2-7.

4.2 First Position Order of Precedence. The order of precedence in beginning the technical order or part number arrangement on the extreme left-hand (first) position is as follows:

Letters:	A Through Z
Numbers:	0 Through 9

4.3 Continuing Order of Precedence. The order of precedence in continuing the alphanumeric arrangement on the second and succeeding position of the number from left to right is as follows:

Space (Blank)	Comma (,)
Point (Period) (.)	Pound (#)
Coml. at (@)	Parenthesis ()
Dash (-)	Plus (+)
Asterisk (*)	Letters A Through Z
Diagonal Slant (/)	Numbers 0 Through 9
Ampersand (&)	

## NOTE

Spaces, diagonals, periods, dashes, asterisks, commas, and parentheses do not appear in the extreme left-hand position. However, they are used in the second and succeeding positions and take precedence over letters and numerals as indicated above. Refer to paragraph 4.1 for exception.

4.4 Sample List. The following sample list of technical orders and part numbers is in the arrangement that will be followed in this publication:

TO NOS.	PART NOS.
1E-3A-2-110-1	TYPE AN/APM-67
1E-3A-10	TYPE AN/APM-129
1E-3A-36	50C7023-9
9H8-14-17-3	50C7023-11
9H8-14-169-4	50C7023-12

5. EXPLANATION OF SYMBOLS USED.

The following letters and abbreviations are used in this technical order:

CM	Commercial Manual
D	Depot
I	Informative
IM	Intermediate Maintenance
IN	Index
M	Manual
M-W	Manual in which Winterization Instructions are included
OI	Organizational/Intermediate
OM	Organizational Maintenance
PM	Preliminary Manual

6. UPDATES.

Recommendations proposing changes to this manual should be submitted on AFTO Form 22 in accordance with TO 00-5-1.

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FIGURE 2. Example Foreword

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TO 1B-52G-01

CHAPTER 1  
TECHNICAL MANUALS

TO NUMBER	TITLE	TYPE	TO NUMBER	TITLE	TYPE
<b>INDEX-TYPE PUBLICATIONS (0- CATEGORY)</b>			1-1-26	AIRCRAFT/STORES COMPATIBILITY	M
0-1-SERIES	NUMERICAL INDEX/ALPHABETICAL INDEX AND CROSS-REFERENCE TABLE	IN	1-1-300	ACCEPTANCE/FUNCTIONAL CHECK FLIGHT AND MAINTENANCE OPERATIONAL CHECKS	I
0-2-1	ALPHABETICAL INDEX-ALPHABETICAL LISTING OF EQUIPMENT TO TECHNICAL PUBLICATIONS NO. GROUPS	IN	1-1-312	USE OF HIGH PRESSURE AIR AND NITROGEN - ALL AIRCRAFT	I
0-4-2	CROSS-REFERENCE OF TIME COMPLIANCE TECHNICAL ORDERS AND OVERHAUL CHANGE NUMBERS TO APPLICABLE DATA CODE NUMBERS	IN	1-1-438	EXPEDITIOUS REPAIR AND DISPOSAL OF AEROSPACE VEHICLES	I
<b>GENERAL TECHNICAL ORDERS (00- CATEGORY)</b>			1-1-441	MINIMUM EQUIPMENT REQUIREMENTS FOR OVER WATER, ARCTIC, AND DESERT - TROPIC FLIGHTS	M
00-5-SERIES	TECHNICAL ORDER SYSTEMS - GENERAL	I	1-1-455	RESTRICTED USE OF HIGH POTENTIAL VOLTAGE TESTING APPARATUS ON AIRCRAFT CONTAINING FUEL	I
00-20-SERIES	MAINTENANCE MANAGEMENT SYSTEM - GENERAL	I	<b>GENERAL ENGINEERING MANUALS</b>		
00-25-SERIES	MISCELLANEOUS TECHNICAL ORDERS - GENERAL	I	1-1A-1	ENGINEERING HANDBOOK SERIES FOR AIRCRAFT REPAIR - GENERAL MANUAL FOR STRUCTURAL REPAIR	M
00-25-06-SERIES	WORK UNIT CODE MANUAL	I	1-1A-8	ENGINEERING MANUALS SERIES - AIRCRAFT AND MISSILE-STRUCTURAL HARDWARE	M
00-35-SERIES	ADMINISTRATIVE TECHNICAL ORDERS - GENERAL	I	1-1A-9	ENGINEERING SERIES FOR AIRCRAFT REPAIR, AEROSPACE METALS - GENERAL DATA AND USAGE FACTORS	M
00-60-SERIES	ARCTIC, DESERT, AND TROPIC TECHNICAL ORDERS (AERONAUTICAL AND GROUND EQUIPMENT) - GENERAL	I	1-1A-11	ENGINEERING MANUAL SERIES FOR AIRCRAFT REPAIR - FABRIC REPAIR AND DOPING	I
00-85-SERIES	PROTECTIVE PACKING AND PRESERVATION PACKAGING - GENERAL	I	1-1A-12	ENGINEERING MANUAL SERIES FOR AIRCRAFT REPAIR - FABRICATION, MAINTENANCE, AND REPAIR OF TRANSPARENT PLASTICS	M
00-110-SERIES	SPECIAL WEAPONS DEFENSE AND NUCLEAR APPLICATIONS, MONITORING, HANDLING, DISPOSAL, AND DECONTAMINATION - GENERAL	I	1-1A-14	INSTALLATION PRACTICES FOR AIRCRAFT ELECTRIC AND ELECTRONIC WIRING	I
<b>AIRCRAFT PUBLICATIONS (1- CATEGORY)</b>			<b>WEIGHT AND BALANCE</b>		
1-1	TCTO SERIES	I	1-1B-40	WEIGHT AND BALANCE DATA	M
1-1-1	CLEANING OF AEROSPACE EQUIPMENT	I	<b>AIR REFUELING</b>		
1-1-2	CORROSION PREVENTION AND CONTROL FOR AEROSPACE EQUIPMENT	I	1-1C-1	FLIGHT MANUAL - BASIC FLIGHT CREW AIR REFUELING PROCEDURES	M
1-1-3	PREPARATION, INSPECTION, AND REPAIR OF AIRCRAFT FUEL, OIL, AND WATER ALCOHOL CELLS AND INTEGRAL TANKS	M	1-1C-1-3	FLIGHT MANUAL - FLIGHT CREW AIR REFUELING PROCEDURES - B-52	M
1-1-4	EXTERIOR FINISHES, INSIGNIA, AND MARKINGS APPLICABLE TO USAF AIRCRAFT	M	1-1C-1-5	FLIGHT MANUAL - FLIGHT CREW AIR REFUELING PROCEDURES - B-52B, F (WITH KC-135)	M
1-1-5	ABRASIVE BLASTING METHOD CLEANING AND CORROSION REMOVAL	I	1-1C-1-15	FLIGHT MANUAL - FLIGHT CREW AIR REFUELING PROCEDURES-B-52G, H (WITH KC-135 SERIES)	M
1-1-6	DISPOSITION OF EQUIPMENT SUBMERGED IN WATER	I	<b>BOMBER AIRCRAFT</b>		
1-1-7	UTILIZATION OF CARTRIDGE PNEUMATIC STARTERS - ALL AIRCRAFT USING APPLICABLE EQUIPMENT	M	1B-52-8	LOCATION AND APPLICATION - EXTERIOR STENCILS-B-52A, B, C, D, E, F, G, H	M
1-1-8	APPLICATION AND REMOVAL OF ORGANIC COATINGS, AEROSPACE, AND NON-AEROSPACE EQUIPMENT	M	1B-52-38	ORG, INT, DEP MAINT INSTRUCTIONS A/C STRUCTURAL INTEGRITY	M
1-1-17	STORAGE OF AIRCRAFT AND MISSILE SYSTEMS	M	1B-52-101	IMPLEMENTATION OF B-52 AIRCRAFT USAGE REPORT	I
1-1-19	INSPECTION, TEST, AND REPLACEMENT OF VIBRATION ISOLATORS ON EQUIPMENT IN AIRCRAFT	M	1B-52A-01	LIST OF APPLICABLE PUBLICATIONS - USAF SERIES, B-52 AIRCRAFT AND EQUIPMENT	M
1-1-24	MAINTENANCE, REPAIR, AND ELECTRICAL REQUIREMENTS FOR FIBERGLASS AIRBORNE RADOMES	I	1B-52A-17	STORAGE OF AIRCRAFT, B-52 AIRCRAFT	M
1-1-24-1	MAINTENANCE, REPAIR, AND ELECTRICAL REQUIREMENTS FOR FIBERGLASS AIRBORNE RADOMES (CONF) (TITLE UNCLASS) - B-52, F-106	I	1B-52B-06	AIRCRAFT MAINTENANCE - WORK UNIT CODE MANUAL -B-52B THROUGH H	M
			1B-52B-1-2	FLIGHT MANUAL - PERFORMANCE DATA B-52B, B-52C, B-52D, B-52E AIRCRAFT	M
			1B-52B-1-5	GUNNERS IN-FLIGHT OPERATION INSTRUCTIONS - MD-9 FCS-B-52B THROUGH B-52F	M

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FIGURE 3. Example Chapter 1 pages



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TO 1B-52G-01

CHAPTER 1  
TECHNICAL MANUALS

T O NUMBER	TITLE	TYPE	T O NUMBER	TITLE	TYPE
	<b>FIRE CONTROL SYSTEMS AND EQUIPMENT - CONTINUED</b>				
11F8-3-7-2	FIELD MAINTENANCE INSTRUCTIONS - AMMUNITION BOX ASSEMBLY, PART NO. 581540-303, -305 (EMERSON) - B-52H	M	11F68-22-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN SOLENOID VALVE, PART NO. 1371-59942-, ES2182-01, -01A01 (PARKER AIRCRAFT) - B-52H	M
11F8-3-7-3	OVERHAUL INSTRUCTIONS - (SAME AS TO 11F8-3-7-2)	M	11F68-23-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN SOLENOID ACTUATED POPPET SHUTOFF VALVE, PART NO. 144925 (WHITTAKER CONTROLS) - B-52	M
11F8-3-7-4	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11F8-3-7-2)	M	11F68-23-13	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN -SOLENOID ACTUATED SLEEVE SELECTOR VALVE, PART NO. 1449325 (WHITTAKER CONTROLS) - B-52	M
11F8-4-14-3	OVERHAUL INSTRUCTIONS - JUNCTION BOXES, PART NO. 7705047G1 AND 775048G1 (GENERAL ELECTRIC)	M	11F72-2-3-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN, EJECTION DOOR ACTUATING MECHANISM, PART NO. 596790-1 (EMERSON) - B-52H	M
11F8-4-14-4	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11F8-4-14-3)	M	11F74-2-2-3	OVERHAUL INSTRUCTIONS - CONTROL HANDLE, PART NO. 2-0004-056 (ARMA-BOSCH) - B-52G	M
11F60-2-2-4	ILLUSTRATED PARTS BREAKDOWN - LINE OF SIGHT POINTER, PART NO. 98012 (AMERICAN BOSCH ARMA CORP)	M	11F74-2-2-4	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11F74-2-2-3)	M
11F61-2-2-13	OVERHAUL INSTRUCTIONS - CONTROL COLUMN, PART NO. 737679, 737680 (AMERICAN BOSCH)	M	11F88-2-13	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN MANIFOLD ASSEMBLY, PART NO. 2-00025-112 (ARMA)	M
11F61-2-2-14	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11F61-2-2-13)	M	11F90-4-3	OVERHAUL INSTRUCTIONS - SPEED DECREASER GEAR ASSEMBLY, PART NO. 581728-301 (EMERSON) - B-52H	M
11F68-4-3	OVERHAUL INSTRUCTIONS - AIR PRESSURE REGULATOR, PART NO. 101100-2, -2A, -2B, -3 (WALLACE O. LEONARD)	M	11F90-4-4	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11F90-4-3)	M
11F68-4-4	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11F68-4-3)	M	11F92-2-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN, PART NO. 890442, PRESSURE REDUCER AND AIR BOTTLE (KIDDE)	M
11F68-5-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN - REVERSE FLOW CHECK VALVE, PART NO. 155000-2 (WALLACE O. LEONARD)	M		<b>HAZARD DETECTING EQUIPMENT</b>	
11F68-15-3	OVERHAUL INSTRUCTIONS - SOLENOID VALVE, PART NO. ES2181-01, -01A01, -01A03, PC-449F, -4491 (CADILLAC GAGE) - B-52H	M	11H5-10-1	OPERATION AND SERVICE INSTRUCTIONS - COMBUSTIBLE GAS ALARM, PORTABLE, MODELS 05CGA, 06CGA, 07CGA, 08CGA, STATIONARY, WALL MOUNTED, MODELS 05GAW, 07CGAW, 08CGAW (ERDCO ENGINEERING) - B-52	M
11F68-15-4	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11F68-15-3)	M	11H5-10-4	ILLUSTRATED PARTS BREAKDOWN - PORTABLE M COMBUSTIBLE GAS ALARM MODEL 07CGA AND STATIONARY WALL MOUNTED COMBUSTIBLE GAS ALARM MODEL 07CGAW - B-52	M
11F68-16-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN, HYDRAULIC LIMIT VALVE, PART NO. 135359887D, ES2187-01 01A01, 144925 (WHITTAKER CONTROLS) - B-52H	M		<b>LAUNCHERS AND EQUIPMENT</b>	
11F68-17-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN - SOLENOID VALVE, PART NO. 144935ES2186-01, -01A01 (WHITTAKER CONTROLS) - B-52H	M	11L1-2-21-1	OPERATION AND MAINTENANCE INSTRUCTIONS -M SRAM LAUNCHER F/W 675-12361-602 AND 675-12361-605 (BOEING MAC) - B-52G/H	M
11F68-18-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN-SOLENOID VALVE, PART NO. ES2187-01, 01A01, 144925 (WHITTAKER CONTROLS)	M	11L1-2-21-6	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11L1-2-21-1)	M
11F68-19-3	OVERHAUL INSTRUCTIONS - SOLENOID VALVE, PART NO. EA50279-1, ES2191-01, -01A01, 01A02 (VICKERS) - B-52H	M	11L1-4-2-2	FIELD MAINTENANCE INSTRUCTIONS - COUNTERMEASURES EQUIPMENT DISPENSING SET, TYPE AN/ALE-25 (BOEING) - B-52H	M
11F68-19-4	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11F68-19-3)	M	11L1-4-2-4	ILLUSTRATED PARTS BREAKDOWN - (SAME AS TO 11L1-4-2-2)	M
11F68-19-13	OVERHAUL INSTRUCTIONS - SOLENOID VALVE, PART NO. H59B0048, H59B0048M1, H59B0048M2, ES2191-01, -01801, -01802, -01803 (PARKER AIRCRAFT) - B-52H	M	11L3-3-6-2	PRELIMINARY - FIELD MAINTENANCE INSTRUCTIONS - CONTROL AND DISPLAY PANELS, AGM-69A, MISSILE CARRIER EQUIPMENT, PART NO. 2A144024A-101-11 (BOEING) - B-52	M
11F68-19-14	ILLUSTRATED PARTS BREAKDOWN - SOLENOID PART NO. H59B0048, ES2191-01801, H59B0048M1, ES2191-01802, H59B0048M2, ES2191-01803 (PARKER AIRCRAFT) - B-52H AIRCRAFT	M	11L3-3-6-4	ILLUSTRATED PARTS BREAKDOWN (SAME AS TO 11L3-3-6-2)	M
11F68-20-3	OVERHAUL INSTRUCTIONS WITH PARTS BREAKDOWN, TEMPERATURE SENSITIVE DIRECTIONAL CONTROL VALVE, PART NO. 145195-1, ES2231-01, -01A01 (WHITTAKER CONTROLS) - B-52H AIRCRAFT	M	11N-H5052-2	OPERATION AND MAINTENANCE INSTRUCTIONS M MUNITIONS LIFT TRAILER MHU-173/E (AAI CORP) - B-52G	M

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FIGURE 3. Example Chapter 1 pages - Continued.

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CHAPTER 2 EQUIPMENT PART NUMBER TO TECHNICAL MANUAL NUMBER			
PART NUMBER	TO NUMBER	PART NUMBER	TO NUMBER
A-1	33AA7-6-21 33AA7-6-24	AFM27M-1	35AA2-3-5-1 35AA2-3-5-3 35AA2-3-5-4 35AA2-3-5-11 35AA2-3-5-13 35AA2-3-5-14 35A2-4-6-11 35A2-4-6-13 35A2-4-6-14
A/A37D-1	1E-3A-18	AFM32R-3	35D9-6-27-11
A/E7T-25	33AA17-138-1 33AA17-138-4	AF/37A-T4-5	35C1.4-1-102
A/E24U	35C3-2-57-1 35C3-2-57-4	AHT-55	33A2-2-31-1 33A2-2-31-3 33A2-2-31-4
A/E37T-25	33AA17-138-1 33AA17-138-4	AHT-56	33A2-2-31-11 33A2-2-31-13 33A2-2-31-14
A/F37A-T72	43D3-10-2-1-1 THRU 43D3-10-2-1-7 43D3-10-2-1-8-1 THRU 43D3-10-2-1-8-3 43D3-10-2-1-9-1 THRU 43D3-10-2-1-9-6 43D3-10-2-1-9-8 43D3-10-2-4-1 THRU 43D3-10-2-4-9 43D3-10-2-6 43D3-10-2-43 43D3-10-2-73 43D3-10-2-508 43X5-18-16-3 43X43-19-3 43X55-2-3	AHT-56A	33A2-2-24-21 33A2-2-24-23 33A2-2-24-24
AM32A-60	35C2-3-372-1 35C2-3-372-3 35C2-3-372-4 35C2-3-372-522 35C2-3-372-526	AHT-56B	33A2-2-27-11 33A2-2-27-13 33A2-2-27-14
AM32A-60A	35C2-3-372-11 35C2-3-372-14 35C2-3-372-522 35C2-3-372-526	AI-903M	5F8-3-35-2 5F8-3-35-3 5F8-3-35-4
AAU-19A	5F3-3-15-13 5F3-3-15-14 5F3-3-15-22	ALL-278-001	33A1-7-89-21
AAU-19A/A	5F3-3-15-22 5F3-3-15-33 5F3-3-15-34	AM-624/ARA-50	51R1-2-3-2 51R1-2-3-18-1
AAU-27A	5F3-3-19-2 5F3-3-19-3 5F3-3-19-4	AM-6672/A	12R2-2A-223
ABU-8/A	5F2-17-3 5F2-17-4	AM-6808/APY-1	12P2-2APY1-2-1
ABU-11/A	5N11-2-11-33	AN/AIM-5	33D7-4-54-1 33D7-4-54-4
AC-4700	34Y1-87-31 34Y1-87-33 34Y1-87-34	AN/APM-123(V)1,(V)2,(V)3	33A1-3-367-1 33A1-3-367-34
ACE-233-002	35-1-251-1	AN/APM-217	33D7-44-77-1 33D7-44-77-4
ACE-406-322	35E9-168-11 35E9-168-14	AN/APM-239A	33A1-3-338-24
ACE-406-329	35E9-207-1 35E9-207-4	AN/APM-401	33D7-36-35-1 33D7-36-35-1-1 33D7-36-35-4
ACE-410-922	35E10-22-1 35E10-22-4	AN/APM-402	33D7-47-55-1
ADK-182A/A24Q-1A	5A2-7-4-3 5A2-7-4-4	AN/APM-411	33D7-49-90-1 33D7-49-90-4 33D7-49-90-11 33D7-49-90-14 33D7-49-90-21 33D7-49-90-24 33D7-49-90-31 33D7-49-90-34 33D7-49-90-41 33D7-49-90-44
ADU-461/E	8-1-103	AN/APM-412	33D7-3-179-1 33D7-3-179-4
ADU-485/E	33AA50-3-1	AN/APM-413	33D7-44-227-1 33D7-44-227-4
ADU-489/E	33AA50-3-1	AN/APN-213	12P5-2APN212-2
AD31450-7	33D2-39-20-1	AN/APS-133	1E-3A-769
		AN/APX-103	33AA1-1-101

FIGURE 4. Example Chapter 2 page

**MIL-DTL-8031G****APPENDIX A****LOAPS  
DOCUMENT TYPE DEFINITION (DTD) SUBSET****A.1 SCOPE.**

A.1.1 Scope. DTDs are based on rules outlined in MIL-PRF-28001, and ISO 8879. The DTD subset referenced within this appendix provides the structure and content of documents prepared in accordance with this detail specification. For digital copies of the DTD, see A.4.1. This appendix is a mandatory part of this detail specification. The information herein is intended for compliance.

**A.2 APPLICABLE DOCUMENTS.**

A.2.1 General. The documents listed in this section are specified in sections 3, 4, or 5 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3, 4, or 5 of this specification, whether or not they are listed.

**A.2.2 Government document.**

A.2.2.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, issues of these documents are listed in the ASSIST data base ( <http://assist.daps.dla.mil/quicksearch> ) and supplement thereto, cited in the solicitation (see 6.2).

**SPECIFICATIONS****DEPARTMENT OF DEFENSE****MIL-PRF-28001**

Markup Requirements and Generic Style Specification for  
Electronic Printed Output and Exchange of Text

**A.2.3 Non-government publications.****INTERNATIONAL ORGANIZATION FOR STANDARDIZATION****ISO 8879 (DoD adopted)** Information Processing - Text and  
Office Systems - Standard Generalized  
Markup Language (SGML)

(Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

**A.3 DIGITAL SUPPORT SUITES.**

The following comprise the tools contained in the Digital Support Suite (DSS) used for authoring and rendering the LOAPS manual doctype.

A.3.1 Document Type Definition. Data to be delivered digitally in accordance with this specification shall be tagged using the LOAPS manual DTD found at the TMSS website (see A.4.1). This DTD provides the structure and content in accordance with the detail specification. The procedure for accomplishing this is found in MIL-PRF-28001 and ISO 8879.

A.3.2 Tag Description Table. The Tag Description Table (TDT) provides detailed descriptions of the elements contained in the LOAPS manual DTD. The TDT contains the element tagging structure, full element name, tag minimization requirements, element structure, reference elements, source paragraph, and attribute descriptions unique to the element. See A.4.1 for information on obtaining this file in digital format.

A.3.3 Attribute Description Table. The Attribute Description Table (ATD) provides detailed descriptions of the attributes contained in the LOAPS manual DTD. See A.4.1 for information on obtaining this file in digital format.

**MIL-DTL-8031G****APPENDIX A****A.4 OBTAINING DSS FILES.**

A.4.1 Obtaining DSS files with a .mil address. DTDs, TDTs, and other files in the DSS can be accessed at the Technical Manual Specifications and Standards (TMSS) website <https://techdata.wpafb.af.mil/tmss/index.html>. On the web page, the “Baseline” menu option in the left pane contains three bulleted options called “Specifications”, “Standards”, and “Handbooks”. Hover the cursor over “Specifications” and a listing of the TMSS specifications will appear. Hover over the desired specification number and another drop down list will appear that shows a list containing a PDF version of the specification and the associated appendices. To obtain the preferred DTD, select the desired appendix. The following items will appear on the downloading page: the name of the specification, the appendix number and name, the current version of the DSS, buttons to download the DTD, FOSI, screen FOSI, ATD, and the TDT, and a “Download” button to download the entire DSS zip file.

A.4.2 Obtaining files without a .mil address. For addresses other than .mil., access to the TMSS Community of Practice (CoP) must be attained via the Air Force (AF) Portal. For access to the AF Portal, the AF Portal help desk can be reached at commercial number (334) 416-5771, option 7 or toll free at (877) 596-5771, option 7. Once access is attained to the Portal, navigate to the TMSS CoP at <https://afkm.wpafb.af.mil/community/views/home.aspx?Filter=OO-LG-MC-38> to download DTDs, TDTs, and other files contained in the DSS. A DSS can be downloaded by selecting the “Digital Support Suites (DSSs)” link under the “Document Management” section. A listing of the most current zip files for the DSSs appears. Select the appropriate zip file to download.

A.4.3 TMSS support. Please address any comments or questions relating to DSSs and/or specifications and standards to [SGMLSUPPORT@wpafb.af.mil](mailto:SGMLSUPPORT@wpafb.af.mil) or to Technical Manual Specifications and Standards, ESC/HGGI, 4170 Hebble Creek Road, Building 280, Door 15, Wright-Patterson AFB OH 45433-5653.

**MIL-DTL-8031G**

**CONCLUDING MATERIAL**

Custodians:  
Air Force - 16

Preparing activity:  
Air Force - 16  
(Project TMSS 2010-003)

Review activities:  
Air Force - 10, 70, 71, 84, 99

**NOTE**

**The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.**