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DEPARTMENT OF DEFENSE STANDARD PRACTICE

AIR FORCE BUSINESS RULES FOR THE IMPLEMENTATION OF S1000D



AMSC N/A

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FOREWORD

1. This standard is approved for use by the Department of the Air Force and is available for use by all Departments and Agencies of the Department of Defense (DoD).
2. Comments, suggestions, or questions on this document should be addressed to AFLCMC/HIAM, 4170 Hebble Creek Road, Bldg. 280, Door 15, Area A, Wright-Patterson AFB, OH 45433-5653 or emailed to SGMLsupport@us.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.dla.mil>.

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1 SCOPE

1.1 Scope. This MIL-STD-3048 establishes the Business Rules (BRs) for technical content, style, format, and functionality requirements for technical publications prepared using S1000D, Issue 4.1. These rules provide the requirements for the implementation of the S1000D specification for the preparation and development of all United States Air Force (USAF) technical publications for paper, page-oriented and, screen-based Interactive Electronic Technical Manuals (IETMs), irrespective of architecture or display devices.

1.2 Organization of the technical content. S1000D is organized into nine primary chapters:

- a. Chapter 1 - Introduction to the specification
- b. Chapter 2 - Documentation process
- c. Chapter 3 - Information generation
- d. Chapter 4 - Information management
- e. Chapter 5 - Information sets and publications
- f. Chapter 6 - Information presentation and use
- g. Chapter 7 - Information processing
- h. Chapter 8 - Standard Numbering Systems (SNS), information codes and learn codes
- i. Chapter 9 - Terms and data dictionary

1.3 Application of S1000D. This standard is only applicable when used with S1000D Issue 4.1. Section 5 of this MIL-STD-3048 follows the chapter structure of S1000D, with each of the primary chapters being broken down into their subchapters. The subchapters within section 5 are limited to those that have USAF business rules or Joint Service business rules. Business rule decision points not found in S1000D which must be addressed are found in Appendix A.

1.4 Joint Service business rules. Joint Service business rules are S1000D business rules agreed upon by US military services. All Joint Service business rules applicable to S1000D issue 4.1 are contained in this standard in their entirety.

1.5 Obtaining Joint Service business rules, information names, information codes and code variants. A copy of the Joint Service business rules, information names, information codes and code variants can be obtained at <http://www.navsea.navy.mil/Home/WarfareCenters/NSWCCarderock/Resources/TechnicalInformationSystems.aspx>, under the US Navy S1000D Information Center.

1.6 Rules and decision point numbering.

1.6.1 Joint Service business rules numbering. Each Joint Service business rule is identified by "JS-NNN", where "JS" is Joint Service and "NNN" is the business rule number. The number appears in parenthesis at the end of the title of the Joint Service business rule.

1.6.2 Project decision point numbering. Each project decision point in this MIL-STD-3048 has a unique identifier. The identification scheme used is found in S1000D issue 4.1, chapter 2.5.3. Decision points unique to this standard are labelled "BRDP-AF-NNNNN" where "NNNNN" is a unique number assigned by this standard.

2 APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3, 4, or 5 of this standard. 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 of documents cited in sections 3, 4, or 5 of this standard, whether or not they are listed.

2.2 Government documents.

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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 SPECIFICATIONS

MIL-DTL-5096	Manuals, Technical - Inspection and Maintenance Requirements; Acceptance and Functional Check Flight Procedures and Checklists; Inspection Work Cards; and Checklists; Preparation of
MIL-DTL-5288	Manuals, Technical and Checklists - Preparation of Cargo Aircraft Loading and Off-Loading
MIL-DTL-5920	Manuals, Technical - Sample Basic Weight Checklists and Loading Data
MIL-DTL-7700	Flight Manual, Performance Data Appendix, Mission Crew Manual, Supplemental Manual, and Abbreviated Flight Crew Checklist
MIL-DTL-8031	Manuals, Technical - List Of Applicable Publications (LOAP) - Preparation
MIL-DTL-9854	Manuals, Technical - Structural Repair (Aircraft)
MIL-DTL-9977	Manuals, Technical - Nonnuclear Munitions and Nuclear Weapons Basic Information, Loading Procedures Manuals, and Standard Data Packages and Loading Procedures, NATO Stage B Cross-Servicing, Functional Check Procedures, and End of Runway Procedures Checklists
MIL-DTL-22202	Aircraft Cross-Servicing Manuals, Technical, Preparation of
MIL-DTL-38804	Manuals, Technical - Time Compliance Technical Orders
MIL-DTL-38807	Technical Manuals - Illustrated Parts Breakdown
MIL-DTL-83495	Technical Manuals - On-Equipment Maintenance Manual Set
MIL-DTL-87158	Technical Manuals: Aircraft Battle Damage Assessment and Repair
MIL-DTL-87929	Technical Manuals, Operation and Maintenance Instructions in Work Package Format (for USAF Equipment)
MIL-PRF-38311	Manuals, Technical: Operation and Associated Checklist (Intercontinental Ballistic Missile) Preparation of
MIL-PRF-38314	Manuals, Technical: Operation and Associated Checklist (Space Systems) Preparation of
MIL-PRF-38793	Technical Manuals: Calibration Procedures - Preparation

DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-38784	Manuals, Technical: General Style and Format Requirements
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(Copies of these documents are available online at <http://quicksearch.dla.mil> or 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 of these documents are those cited in the solicitation or contract.

AIR FORCE INSTRUCTIONS

AFI 36-2101	Classifying Military Personnel (Officer and Enlisted)
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(Copies are available online at <http://www.e-publishing.af.mil>.)

AIR FORCE TECHNICAL ORDERS

TO 00-5-1	AF Technical Order System
TO 00-5-3	AF Technical Order Life Cycle Management

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TO 00-25-195 AF Technical Order System Source, Maintenance, and Recoverability Coding Of Air Force Weapons, Systems, and Equipments

(Copies are available online at <http://www.tinker.af.mil/technicalorders/index.asp>.)

DEPARTMENT OF DEFENSE PUBLICATIONS
Joint Publication 1-02 Department of Defense Dictionary of Military and Associated Terms

(Copies are available online at <http://www.dtic.mil/whs/directives/index.html> and http://www.dtic.mil/doctrine/dod_dictionary.)

U.S. GOVERNMENT PRINTING OFFICE
GP 1.23/4:ST 9/2008 U.S. Government Printing Office Style Manual

(Copies are available online at <http://www.gpo.gov>.)

2.3 Non-government publications. The following documents 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.

AEROSPACE AND DEFENCE INDUSTRIES ASSOCIATION OF EUROPE (ASD)
ASD-STE100 Simplified Technical English
S1000D International specification for technical publications utilizing a common source database (Issue 4.1)

(Applications for copies of ASD-STE100 should be made to ASD, Avenue de Tervuren 270, 1150 Brussels, Belgium. Copies of S1000D are available online at <http://www.s1000d.org>.)

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
ASME Y14.38 Abbreviations and Acronyms for use on Drawings and Related Documents

(Application for copies should be addressed to <http://www.asme.org>.)

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)
ISO 8601 Data Elements and Interchange Formats - Information Interchange
- Representation of Dates and Times

(Applications for copies should be addressed to <http://www.iso.org>.)

WORLD WIDE WEB CONSORTIUM (W3C)
REC-xml-20081126 Extensible Markup Language (XML) 1.0 (Fifth Edition)

(Copies are available online at <http://www.w3c.org>.)

2.4 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 DEFINITIONS

3.1 Acronyms used in this standard. The acronyms used in this standard are defined as follows:

ASD AeroSpace and Defense Industries Association of Europe
ASME American Society of Mechanical Engineers

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ATE	Automatic Test Equipment
AUR	All Up Round
BR	Business Rule
BREX	Business Rules Exchange
C-E	Communications-Electronics
CAGE	Commercial and Government Entity
CCT	Conditions Cross-reference Table
CIR	Common Information Repository
CMBR	Chemical Munitions/Biological Research
CSDB	Common Source Database
CSL	CSDB Status List
DC	Disassembly Code
DDN	Data Dispatch Note
DFAR	Defense Federal Acquisition Regulations
DM	Data Module
DMC	Data Module Code
DMRL	Data Management Requirement List
DoD	Department of Defense
e.g.	exempli gratia (for example)
EIAC	End Item Acronym Code
EOR	End of Runway
FAR	Federal Acquisition Regulations
FSC	Federal Supply Classification
HCI	Hardness Critical Item
HTML	HyperText Markup Language
i.e.	id est (that is)
IC	Information Code
ICBM	Intercontinental Ballistic Missile
ICN	Information Control Number
ICV	Information Code Variant
IEC	International Electro-technical Commission
IETM	Interactive Electronic Technical Manual
IETP	Interactive Electronic Technical Publication
IPD	Illustrated Parts Data
ISO	International Organization for Standardization
JSITWG	Joint Service IETM Technology Working Group
LOAP	List of Applicable Publications
LOEDM	List of Effective Data Modules
LOEP	List of Effective Pages
LOI	List of Illustrations
MIC	Model Identification Code
NATO	North Atlantic Treaty Organization
NCAGE	NATO Commercial and Government Entity
NIIN	National Item Identification Number
PCT	Product Cross-reference Table

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PM	Publication Module
PMC	Publication Module Code
SE	Support Equipment
SGML	Standard Generalized Markup Language
SMR	Source, Maintenance, and Recoverability
SNS	Standard Numbering System
SSCC	Standard Subject Classification Codes
TCTO	Time Compliance Technical Order
TM	Technical Manual
TMCR	Technical Manual Contract Requirements
TMSS	Technical Manual Specifications and Standards
TO	Technical Order
TOC	Table of Contents
UOC	Usable On Code
USAF	United States Air Force
WUC	Work Unit Code
XML	Extensible Markup Language

3.2 Terms. S1000D terms and definitions can be found in S1000D Chapter 9.2.1. The terms used in this standard are defined as follows:

3.2.1 Acquiring Activity. The DoD component, activity, or organization of a military service or that organization delegated by a service that is responsible for the selection and determination of requirements for Technical Manuals (TMs). This is also referred to as "the project" in this document.

3.2.2 Applicability. The state or condition when associated data is valid (i.e., applying to a certain configuration, model, or even environmental condition). Applicability may also be used to describe how data modules pertain to different customers for delivery. The term "effectivity" is not used by S1000D.

3.2.3 Assembly. Two or more parts or subassemblies joined together to perform a specific function and capable of disassembly (e.g., brake assembly, fan assembly, audio frequency amplifier). Note that the distinction between an assembly and subassembly is determined by the individual application. An assembly in one instance may be a subassembly in another, where it forms a portion of an assembly.

3.2.4 Business Rules EXchange (BREX). An S1000D-authored data module containing machine-verifiable business rule decisions. The BREX data module provides a structure for standardized formal exchange and unambiguous definition of business rules.

3.2.5 Callout. Anything placed on an illustration to aid in identifying the objects being illustrated, such as index numbers, nomenclature, leader lines, and arrows.

3.2.6 Commercial and Government Entity (CAGE) Code. A unique identifier assigned to companies doing or who wish to do business with the Federal Government. Non-US companies are assigned a North Atlantic Treaty Organization (NATO) Commercial and Government Entity (NCAGE) Code. The code is five positions. The first and fifth position must be numeric. The second, third, and fourth positions may be any mixture of alpha/numeric excluding alpha letters I and O. For more information on CAGE Codes and CAGE Code assignments, visit <https://public.logisticsinformationservice.dla.mil/CAGE/faqs.aspx>.

3.2.7 Expendability, Recoverability, Reparability Category. A code allocated to the sixth position of the SMR code.

3.2.8 End Item Acronym Code (EIAC). A code representing a final combination of end products, component parts, or materials that is ready for its intended use (e.g., tank, mobile machine shop, aircraft, receiver, rifle, recorder).

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3.2.9 Extensible Markup Language (XML). XML is a subset of Standard Generalized Markup Language (SGML) in accordance with REC-xml-20081126. It enables generic SGML to be served, received, and processed on the web in the way that is now possible with HyperText Markup Language (HTML). XML has been designed for ease of implementation and for interoperability with both SGML and HTML.

3.2.10 Filtering. The process of applying criteria based on the applicability information to determine what data is valid for a certain situation. Data modules can be filtered based on tail numbers, serial numbers, modifications, configurations, etc.

3.2.11 Functionality matrix. A procurement tool provided with S1000D that allows projects to specify required levels of functionality for both IETMs and page-oriented publications. Functionality requirements can be specified separately for all desired technical publication data types (e.g., theory of operation, diagnostics, parts, etc.).

3.2.12 Hardness Critical Item (HCI). HCI is an item that allows the equipment to meet nuclear survivability requirements (such as Over Pressure and Burst, Thermal Radiation, Electromagnetic Pulse, or Transient Radiation Effects on Electronics).

3.2.13 Icon. Icons are pictorial images which may be used in lieu of words.

3.2.14 Illustrated Parts Data (IPD). IPD are data modules that contain a listing of parts and their relationship. This is equivalent to illustrated parts breakdown technical manuals.

3.2.15 Index number/Item number. Terms used interchangeably to mean a type of callout that is a number used to identify an item in an illustration or table.

3.2.16 Information set. Information sets define content depth requirements. Information set requirements can be collected together to provide an author with content depth requirements for a subset of data to be authored or an entire publication.

3.2.17 Interactive Electronic Technical Manual (IETM). Technical Manual authored in a non-linear fashion for the purpose of non-linear display. IETM organization facilitates easy user access to technical information while the display device provides interactive procedural guidance, navigational directions, and supplemental information. An IETM facilitates the interchange of maintenance manual information with logistic support data supplemental to maintenance, such as maintenance data collection, training documentation, supply interface and data presentation control. This is roughly equivalent to the S1000D term Interactive Electronic Technical Publication (IETP).

3.2.18 Interactive Electronic Technical Publication (IETP). A set of information needed for the description, operation and maintenance of the Product, optimally arranged and formatted for interactive screen presentation to the end user on an electronic display system. IETP includes conditional branching mechanisms, which can be based on user feedback. Parameters are evaluated at runtime and their values can depend on context and specific user input. This is roughly equivalent to the more common U.S. term IETM.

3.2.19 International Organization for Standardization (ISO). An organization that sets international standards, founded in 1946 and headquartered in Geneva. It deals with all fields except electrical and electronics, which is governed by the older International Electro-technical Commission (IEC), also in Geneva. With regard to information processing, ISO and IEC created the Joint Technical Committee for Information Technology.

3.2.20 Legend. A legend is a tabular listing and explanation of the numbers or symbols on a figure or an illustration.

3.2.21 Maintenance level. Maintenance levels are different kinds of maintenance activities which are separated based on complexity, required skills, and available facilities.

3.2.22 Maintenance task. A maintenance task is a complete start-to-finish, step-by-step maintenance action in a logical sequence of occurrence with a definite beginning and end.

3.2.23 National Item Identification Number (NIIN). The last nine digits of the National/NATO stock number. The first two digits of the NIIN identify the country assigning the number and the remaining seven digits are a serially assigned number.

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- 3.2.24 Nomenclature. The approved name or alphanumeric identifier assigned to an item, equipment, or component in agreement with an organized designation system.
- 3.2.25 Product. The Product is equipment or materiel that is the primary subject of the technical data. It can mean platform, system, equipment, assemblies, components, parts, etc.
- 3.2.26 Reference designator. A reference designator unambiguously identifies a component in an electrical schematic or on a printed circuit board.
- 3.2.27 Revision. A revision is a second or subsequent edition of a publication which normally supersedes the preceding edition.
- 3.2.28 Source, Maintenance, and Recoverability (SMR) code. The five-position code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction. The first two positions of the SMR code determine how to get an item. The third position represents who can install, replace, or use the item. The fourth position dictates who can do complete repair on the item. The fifth position represents who determines disposition action on unserviceable items. See Technical Order (TO) 00-25-195.
- 3.2.29 Special tools. Special tools are those tools that have been manufactured specifically to accomplish a single or peculiar maintenance action for a specific end item/system.
- 3.2.30 Standard Numbering System (SNS). An SNS consists of three groups of characters intended to provide standardization in the arrangement or addressing of the Product. It is part of the data module code.
- 3.2.31 Subassembly. Two or more parts that form a portion of an assembly or a component replaceable as a whole, but having a part or parts that are individually replaceable (e.g., gun mount stand, window recoil mechanism, floating piston, intermediate frequency strip, and mounting board with mounted parts).
- 3.2.32 Support Equipment. An item of equipment required to maintain the Product in its operational status, including related computer programs.
- 3.2.33 Tailoring (business rules). Tailoring is the process of evaluating individual potential requirements to determine their pertinence and cost effectiveness.
- 3.2.34 Technical Manual (TM). A manual that contains instructions for the installation, operation, maintenance, and support of a weapon system, weapon system components, and support equipment. TM information may be presented, according to prior agreement between the contractor and the Government, in any form or characteristic, including hard printed copy, audio and visual displays, electronic imbedded media, disks, other electronic devices, or other media. They normally include operational instructions, maintenance instructions, parts lists, and related technical information or procedures exclusive of administrative procedures.
- 3.2.35 Usable On Code (UOC). A one to four character code from a logistics database which represents the applicable configuration in which an item is used.
- 3.2.36 Viewer. A viewer is a software program that allows technical data to be displayed, but not changed. Viewers are often freely distributable and platform independent, even when the editor application is not. This characteristic allows authors to create technical publications with an editor application and make the viewer, which displays the technical publication, available to other users.
- 3.2.37 XML Schema. XML Schemas express shared vocabularies and allow machines to carry out rules made by people. They provide a means for defining the structure, content and semantics of XML documents.

4 GENERAL REQUIREMENTS

- 4.1 Preparation of digital data for electronic delivery. Technical manual data prepared and delivered digitally in accordance with this standard shall be authored in XML using S1000D schemas. The schemas referenced in this standard interpret the technical content and structure for the functional requirements contained in this standard and S1000D and are mandatory for use. Development of publications is accomplished through the use of the schemas combined with the requirements contained in this standard and S1000D. For additional information on S1000D schemas, refer to S1000D. The schemas may be obtained from <http://www.s1000d.org>.

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4.2 Project business rules. Projects that implement S1000D are required to develop project business rules in support of their implementation. These business rules shall not override, conflict, or contradict rules in this MIL-STD-3048 or S1000D. The project business rules shall document the decisions made at the decision points included in Appendix A of this MIL-STD-3048. Projects shall also address and document all decision points in S1000D not already covered by business rules in this MIL-STD-3048, plus any decision points that are project specific or not listed in S1000D or this MIL-STD-3048. Projects making any decisions related to the implementation of S1000D shall do so within the confines of the associated USAF policy.

4.3 Legacy projects. All legacy projects planning to implement S1000D Issue 4.1 shall comply fully with all rules in this MIL-STD-3048. Legacy projects should coordinate with AFMC/A4FI during the process of developing project business rules.

5 DETAILED REQUIREMENTS

5.1 S1000D Chapter 1.4 - Introduction to the specification - How to tailor for a specific project.

5.1.1 USAF business rules.

5.1.1.1 Use of project business rules (JS-001). The project shall develop business rules documenting the details of the tailoring of S1000D for a specific project. These rules shall include documented decisions for every decision point.

5.1.1.2 Priority of project's business rules (JS-002). Project business rules shall not contradict or supersede higher-level Joint Service business rules, or Service level business rules, or requirements contained within S1000D.

5.1.1.3 Development and sustainment of project business rules (JS-003). Project business rules shall be developed prior to the start of development of technical data. Business rules shall be updated throughout the life of the project as necessary to reflect the project environment.

5.2 S1000D Chapter 1.5 - Introduction to the specification - Request for change.

5.2.1 USAF business rules.

5.2.1.1 Changes to S1000D. All requests for formal changes to the S1000D specification and supporting schemas shall be submitted to AFMC/A4FI by emailing SGMLsupport@us.af.mil for staffing through the S1000D process for change management.

5.3 S1000D Chapter 3.4 - Information generation - Zoning and access.

5.3.1 USAF business rules.

5.3.1.1 Determine best zoning (granularity) methodology (JS-004). When zoning and access information is a requirement for data modules, zones and access points shall be determined in accordance with the principles, requirements, and coding as defined in S1000D. Full zoning and access point definitions shall be defined within project business rules.

5.4 S1000D Chapter 3.5 - Information generation - Updating data modules.

5.4.1 USAF business rules.

5.4.1.1 Frequency of updates. Projects shall arrange their frequency of updates, including Time Compliant Technical Orders (TCTO) in accordance with TO 00-5-1, TO 00-5-3, and MIL-DTL-38804.

5.5 S1000D Chapter 3.6 - Information generation - Security and data restrictions.

5.5.1 USAF business rules.

5.5.1.1 Marking of security classifications (JS-095). Security classifications shall be marked in accordance with DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

5.5.1.2 Retention of security classifications (JS-094). The retention of security classification markings shall be in accordance with DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

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5.5.1.3 Classifying the Common Source DataBase (CSDB). Projects shall classify the CSDB at the same level of classification as the highest object within the CSDB and in accordance with DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

5.5.1.4 Classifying the publications. Projects shall classify publication modules at the same level of classification as the highest object within the publication module in accordance with DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

5.5.1.5 Use of NATO classified data (JS-018). Foreign and NATO classified data shall not be used. **Note:** Use of this rule for joint-nation projects is a project decision.

5.5.1.6 Use of commercial security classifications. Commercial security classifications shall not be used.

5.5.1.7 Presentation of commercial classification and/or caveat as security markings (JS-093). Neither commercial classification nor national caveat shall be used as an alternative to security classification.

5.6 S1000D Chapter 3.7 - Information generation - Quality assurance.

5.6.1 USAF business rules.

5.6.1.1 Final delivery of unverified data modules (JS-005). Final delivery to the customer shall not include unverified data modules. At a minimum, <qualityAssurance> must be <firstVerification> (first verification or validation).

5.6.1.2 Draft delivery of unverified data modules (JS-006). Draft data modules (i.e., inwork not equal to "00") may only be exchanged for the purposes of validation/verification and for other purposes expressly specified by the project.

5.6.1.3 Degree of application of quality assurance. Projects shall follow all quality assurance, certification, and verification requirements detailed in TO 00-5-3.

5.6.1.4 Application of first verification. Projects shall consider first verification as equivalent to contractor certification as detailed in TO 00-5-3.

5.6.1.5 Application of second verification. Projects shall consider second verification as equivalent to USAF verification as detailed in TO 00-5-3.

5.7 S1000D Chapter 3.9.1 - Authoring - General writing rules.

5.7.1 USAF business rules.

5.7.1.1 Grammar and writing (JS-007). When using Standard American English, the U.S. Government Printing Office Style Manual (GP 1.23/4:ST 9/2008) shall be used as a general guide for standard American English usage and punctuation. To determine and convey the proper spelling and meaning of words, Webster's International Dictionary of the English Language shall be used.

5.7.1.2 Military and associated terms and abbreviations. Military and associated terms and abbreviations shall be in accordance with Joint Publication 1-02.

5.7.1.3 Engineering and related terms and abbreviations. Engineering and related terms and abbreviations shall be in accordance with ASME Y14.38.

5.7.1.4 Units of measurement. When only one standard of measurement is needed, projects shall use U.S. customary units (ounces, pounds, gallons, inches, feet, knots, miles, etc.) as the standard units of measurement. When more than one standard of measurement is needed, projects shall use U.S. customary units as either the primary or secondary units of measurement.

5.7.1.5 Static numbering. Projects shall autogenerate the numbering of paragraphs, procedural steps, figures, and tables.

5.8 S1000D Chapter 3.9.2.1 - Illustration rules and multimedia - Illustrations, General.

5.8.1 USAF business rules.

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- 5.8.1.1 Procedural data in figures (JS-091). Figures shall not contain procedural steps.
- 5.9 S1000D Chapter 3.9.2.3 - Illustration rules and multimedia - Use of color and photographs.
- 5.9.1 USAF business rules.
- 5.9.1.1 Use of color. The use of color shall be in accordance with the S1000D color palette.
- 5.9.1.2 Use of photographic illustrations (JS-008). Photographic illustrations shall not be used unless prior approval has been obtained from the acquiring activity. Photographs shall not be used in foldouts.
- 5.10 S1000D Chapter 3.9.2.4 - Illustration rules and multimedia - Multimedia, General.
- 5.10.1 USAF business rules.
- 5.10.1.1 Classified multimedia. Multimedia shall not have a classification higher than "Unclassified".
- 5.11 S1000D Chapter 3.9.2.5 - Illustration rules and multimedia - Interactive 3D content.
- 5.11.1 USAF business rules.
- 5.11.1.1 Classified 3D content. Interactive 3D content shall not have a classification higher than "Unclassified".
- 5.12 S1000D Chapter 3.9.3 - Authoring - Warnings, cautions, and notes.
- 5.12.1 USAF business rules.
- 5.12.1.1 Use of warnings and cautions in descriptive data (JS-009). Warnings and cautions shall not be used in descriptive data, except in the case of a publication's safety summary (e.g., IC 012J).
- 5.12.1.2 Safety summary data module. When required by the acquiring activity, projects shall deliver an individual descriptive data module containing a publication's safety summary (e.g. IC 012J), which shall be authored in accordance with MIL-STD-38784.
- 5.12.1.3 Warnings in separate data modules (JS-010). Delivered data modules with procedures that require warnings shall not reference warnings in a separate data module. Delivered data modules shall contain the warning content.
- 5.12.1.4 Cautions in separate data modules (JS-011). Delivered data modules with procedures that require cautions shall not reference cautions in a separate data module. Delivered data modules shall contain the caution content.
- 5.12.1.5 Notes in separate data modules (JS-012). Delivered data modules that require notes shall not reference notes in a separate data module. Delivered data modules shall contain the note content.
- 5.12.1.6 Warning, caution, and note placement (JS-013). Warnings shall be presented immediately after the label (step or para number) and the associated title (if present) and immediately preceding the associated text. Cautions shall be presented immediately after the label (step or para number) and the associated title (if present) and immediately preceding the associated text. If multiple warnings, cautions, and notes apply to the same text, warnings shall appear first, cautions shall appear second, and notes shall appear last.
- 5.12.1.7 Authoring warnings and cautions. The content of warnings and cautions shall be in accordance with MIL-STD-38784.
- 5.12.1.8 Use of the attribute `vitalWarningFlag`. Projects shall not use the attribute `vitalWarningFlag`.
- 5.12.1.9 Inclusion of the attribute `warningType`. Projects shall not use the attribute `warningType`.
- 5.12.1.10 Inclusion of the attribute `cautionType`. Projects shall not use the attribute `cautionType`.
- 5.12.1.11 Inclusion of the attribute `noteType`. Projects shall not use the attribute `noteType`.
- 5.12.1.12 Warning and caution collections (JS-092). The use of the element `<warningsAndCautions>` (warning and caution collections) is disallowed.
- 5.13 S1000D Chapter 3.9.4 - Authoring - Front matter.
- 5.13.1 USAF business rules.

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- 5.13.1.1 Use of List of Effective Pages (LOEP) or List of Effective Data Modules (LOEDM) (JS-014). Publications shall have a LOEDM. Publications shall not have a LOEP.
- 5.13.1.2 Presentation of issue date or the issue number in the List of Effective Pages (LOEP) (JS-109). See JS-014 (5.13.1.1).
- 5.13.1.3 List of Effective Data Modules (LOEDM) content (JS-015). The LOEDM shall present, at a minimum, the data module code, the data module title, and issue number. The inwork number shall not be presented.
- 5.13.1.4 Links from the change record data module. Projects shall provide links from the change record data module to those data modules that contain changed content.
- 5.14 S1000D Chapter 3.9.5.1 - Data modules - Identification and status section.
- 5.14.1 USAF business rules.
- 5.14.1.1 Information code use with Schemas (JS-107). The Joint Service information codes and information names shall be used. Projects or organizations shall assign a Schema(s) for each information code used.
- 5.14.1.2 Language. The value of the attribute `languageIsoCode` shall be set to English ("en") or, for Simplified Technical English, ("sx"), and the value of the attribute `countryIsoCode` shall be set to the United States ("US").
- 5.14.1.3 Use of element `<issueDate>` (JS-057). For classified documents, the element `<issueDate>` shall contain the date of the document as specified in DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award. For unclassified documents, the process for determining the dates of issue for publications and data modules shall be decided by the project.
- 5.14.1.4 Use of the element `<infoName>` (JS-016). Use of the element `<infoName>` is mandatory.
- 5.14.1.5 Use of the element `<security>` (JS-017). The attributes `securityClassification` and `caveat` on the element `<security>` shall contain the overall classification of the publication or data module as specified in DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.
- 5.14.1.6 Use of the attribute `commercialClassification`. Projects shall not use the attribute `commercialClassification`.
- 5.14.1.7 Use of the element `<dataRestrictions>` (JS-019). The optional element `<dataRestrictions>` shall be used for all publication modules and data modules.
- 5.14.1.8 Use of the element `<restrictionInstructions>` (JS-096). The child elements of `<restrictionInstructions>` shall be used as directed by the applicable business rules for each child element, i.e., JS-022, JS-023, JS-024, JS-025, and JS-026.
- 5.14.1.9 Use of the element `<restrictionInfo>` (JS-097). The child elements of `<restrictionInfo>` shall be used as directed by the applicable business rules for each child element, i.e., JS-020, JS-021, and JS-029.
- 5.14.1.10 Use of the element `<policyStatement>` (JS-020). If required, the element `<policyStatement>` within `<restrictionInfo>` within `<dataRestrictions>` within `<pmStatus>` shall contain the classification source and reason for classification for the publication as specified in DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.
- 5.14.1.11 Use of the element `<dataConds>` (JS-021). The element `<dataConds>` within `<restrictionInfo>` within `<dataRestrictions>` within `<pmStatus>` shall contain declassification and downgrade instructions for the publication as specified in DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

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- 5.14.1.12 Use of the element <dataDistribution> (JS-022). The element <dataDistribution> within <restrictionInstructions> shall contain the appropriate distribution statement as selected from DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.
- 5.14.1.13 Use of the element <dataDestruction> (JS-024). The element <dataDestruction> within <restrictionInstructions> shall contain the appropriate destruction notice as specified in DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.
- 5.14.1.14 Use of the element <dataDisclosure> (JS-025). Because disclosure information is typically presented as part of the export control notice and the destruction notice, the element <dataDisclosure> within <restrictionInstructions> shall not be used, unless specified by the acquiring activity.
- 5.14.1.15 Use of the element <dataHandling> (JS-026). Because handling information is typically presented as part of the export control notice and the destruction notice, the element <dataHandling> within <restrictionInstructions> shall not be used, unless specified by the acquiring activity.
- 5.14.1.16 Use of copyrighted material (JS-029). Publications should not contain copyrighted material except as specified in the Federal Acquisition Regulations (FAR) and Defense Federal Acquisition Regulation (DFAR) Supplement. When copyrighted or proprietary material is included in a publication, the author shall obtain prior written permission from the copyright owner or authorized agent for its use. The signed, written permission shall contain a statement declaring whether or not a copyright credit line is required. When a copyright credit line is required, the following information shall appear in the <copyright> element of the data module:
- "This document contains copyright or proprietary materials. Infringement of copyright or proprietary material may violate existing Federal laws and statutes and result in criminal penalties, imprisonment, or removal from office."
- 5.14.1.17 Use of the elements <authorityNotes> and <techStandard> (JS-030). If <techStandard> is used, and there are no notes, projects shall populate the element <authorityNotes> in <techStandard> with the following text: "None."
- 5.14.1.18 Use of the element <logo> (JS-098). The use of <logo> is prohibited.
- 5.14.1.19 Enterprise names and codes. Projects shall populate either the element <enterpriseName> or the attribute enterpriseCode consistently within both of the elements <responsiblePartnerCompany> and <originator>.
- 5.14.1.20 Use of the element <firstVerification>. The element <firstVerification> shall be used to record the results of the contractor certification process detailed in TO 00-5-3.
- 5.14.1.21 Use of the element <secondVerification>. The element <secondVerification> shall be used to record the results of the USAF verification process detailed in TO 00-5-3.
- 5.14.1.22 Exchange of draft data modules (JS-108). See JS-006 (5.6.1.2).
- 5.14.1.23 Use of System Breakdown Code. When a data module is associated with a Work Unit Code (WUC), projects shall store the WUC in the element <systemBreakdownCode>. When a data module is associated with multiple WUCs, projects shall store each WUC in a separate occurrence of the element <systemBreakdownCode>.
- 5.14.1.24 Use of the functional item reference. The element <functionalItemRef> shall not be included in published deliverables.
- 5.14.1.25 Skill level code. When used, the value of the attribute skillLevelCode of the element <skillLevel> in the identification and status section shall be set to the overall skill level appropriate to the content of the data module. Values shall be selected from the following as defined in AFI 36-2101.
- | | |
|-------------|--------------|
| sk01 | Basic |
| sk02 | Intermediate |
| sk03 | Advanced |

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sk04 - sk50	Not available. Reserved for S1000D
sk51	Helper
sk52	Apprentice
sk53	Journeyman
sk54	Craftsman
sk55	Superintendent
sk56	Chief Enlisted Manager (CEM)
sk57	Maintenance Office/Supervisor
sk58 - sk69	Available for projects (maintenance skill levels, see 5.14.1.26)
sk70 - sk84	Reserved for aircrew (see 5.14.1.27)
sk85 - sk99	Available for projects (crew/operator skill levels, see 5.14.1.28)

5.14.1.26 Defining maintenance skill levels. Projects requiring skill level codes not listed in [5.14.1.25](#), shall use the range of values "sk58" through "sk69" and shall coordinate the allocation of definitions to the values with AFMC/A4FI.

5.14.1.27 Skill level code for aircrew. When skill level code is used, data modules that contain information for aircrew shall set the value of the attribute `skillLevelCode` of the element `<skillLevel>` the identification and status section to one of the following:

sk70	Pilot
sk71	Defense System Officer
sk72	Navigator
sk73	Gunner
sk74	Engineer
sk75	Flight Engineer
sk76	Observer
sk77	Loadmaster
sk78	Radar Navigator
sk79	Boom Operator
sk80	Communications Systems Operator
sk81	Ground Crew
sk82	Scanner
sk83	Offensive Systems Officer
sk84	Weapons Systems Officer

5.14.1.28 Defining crew/operator skill levels. Projects requiring skill level codes not listed in [5.14.1.27](#), shall use the range of values "sk85" through "sk99" and shall coordinate the allocation of definitions to the values with AFMC/A3V.

5.14.1.29 Use of the element `<productSafety>` (JS-100). Use of the element `<productSafety>` is prohibited.

5.14.1.30 Use of the attribute `safetyLabel` (JS-101). See JS-100 ([5.14.1.29](#)).

5.15 S1000D Chapter 3.9.5.1.1 - Identification and status section - Export control.

5.15.1 USAF business rules.

5.15.1.1 Use of the element `<exportControl>` (JS-023). Projects shall decide whether export control regulations apply in accordance with DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

5.15.1.2 Content of export control details (JS-099). Projects shall decide the export control statement (using the element `<exportControl>` within `<restrictionInstructions>`) as directed by DoD

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information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

5.16 S1000D Chapter 3.9.5.2.1.1 - Common constructs - Change marking.

5.16.1 USAF business rules.

5.16.1.1 Use of the element <reasonForUpdate> (JS-027). Reason for update (<reasonForUpdate>) shall be used (for all issues after 001) and it shall include the reasons for updates for each changed data module in the latest change package. It shall also include textual references to all appropriate reason for update documentation (e.g., engineering change proposals).

5.16.1.2 Use of the cross-reference method for the reason for update. The cross-reference method for linking changes to reasons for update, using the attribute reasonForUpdateRefIds, shall be used in all cases when a data module or publication module is updated.

5.16.1.3 Use of the attribute updateReasonType. The attribute updateReasonType shall be used for each change in a data module using the values defined in S1000D Chapter 3.9.6.1. Update types "urt01" (editorial) and "urt03" (markup) shall not be used.

5.16.1.4 Use of the attribute updateHighlight. The attribute updateHighlight shall be set to the value "1" when a change is made to a data module using update types "urt02" (technical), "urt04" (applicability), or "urt05" (references).

5.16.1.5 Marking changes to elements. Projects shall use the change markup attributes on all elements that have them when any of those elements are changed.

5.16.1.6 Use of modify and add. The differentiation for the values "modify" and "add" of the attribute changeType shall be documented and used consistently.

5.16.1.7 Marking changes to content within elements. Changes within elements shall be marked using the element <changeInline>.

5.16.1.8 Marking changes to figures, illustrations, and graphics. Projects making changes to figures, illustrations, and graphics shall use the change markup within the element <figure>.

5.16.1.9 Inserting or deleting figures, illustrations, or graphics. Projects inserting or deleting figures, illustrations or graphics, shall use the change markup within the element <figure>.

5.16.1.10 Marking changes to multiple sheets. Projects making changes to individual sheets within a multisheet figure shall use the change markup within the element <graphic> for each changed sheet.

5.16.1.11 Inserting or deleting a sheet within a multisheet figure. Projects inserting or deleting a sheet within a multisheet figure shall use the change markup within the element <graphic>.

5.16.1.12 Marking changes to multimedia. Projects making any changes to multimedia shall use the markup attributes within the element <multimedia>.

5.16.1.13 Retaining deleted content. Data modules that are changed as a result of deleting content shall be stored in the CSDB. Deleted content shall have the value of the attribute changeMark set to "0" and the value of the attribute changeType set to "delete". The next issue of that data module shall not contain the deleted content.

5.16.1.14 Use of applicability. Applicability shall be used on reason for update to reflect different configurations.

5.16.1.15 Standard statements for reason for update. Standard reason for update statements shall be used.

5.16.1.16 Use of reason for amendment. The element <reasonForAmendment> shall not be used.

5.16.1.17 Deleted content (JS-033). Deleted content shall be marked accordingly within the data module. Content marked as deleted shall not be rendered for print or display.

5.17 S1000D Chapter 3.9.5.2.1.2 - Common constructs - Referencing.

5.17.1 USAF business rules.

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5.17.1.1 Minimum cross-reference (JS-035). The element `<internalRef>` shall be used for all internal references. See JS-038 (5.17.1.13) for the list of all objects which can be referenced.

5.17.1.2 Presentation of cross-references (JS-036). Cross-references shall use the following type wording "(See Figure 1.)". The verb in the cross-reference statement (e.g., "See", "Repeat", "Skip") shall be manually authored. If appropriate, the label (e.g., "Figure", "Para", "Step") shall be generated from the target element (e.g. `<levelledPara>` = "Para") to avoid any risk of misidentification. The number shall be autogenerated during the publication process.

The following table contains the target elements and their generated labels:

Generated Label	Target Element
Figure	<code><figure></code>
Table	<code><table></code>
{No Label}	<code><multimedia></code> <code><multimediaObject></code>
Supply	<code><supplyDescr></code>
Support Equipment	<code><supportEquipDescr></code>
Spare	<code><spareDescr></code>
Para	<code><levelledPara></code>
Step	<code><proceduralStep></code> <code><isolationStep></code> <code><isolationProcedureEnd></code> <code><crewDrillStep></code> <code><checkListStep></code>
Sheet	<code><graphic></code>
Item	<code><hotspot></code>
{No Label}	<code><catalogSequenceNumber></code>
{No Label}	<code><parameter></code>
Zone	<code><zoneRef></code>
{No Label}	<code><workLocation></code>
{No Label}	<code><materialSetRef></code>
{No Label}	<code><accessRef></code>

5.17.1.3 Use of the element `<refs>`. When there are any references in a data module, the element `<refs>` shall be included in published data modules and shall be programmatically calculated.

5.17.1.4 Linking to list items. A list item shall not be the destination of a link.

5.17.1.5 Use of the element `<internalRef>` in titles (JS-103). Titles shall not contain references.

5.17.1.6 References in titles. The element `<title>` shall not contain `<functionalItemRef>`, `<circuitBreakerRef>`, `<controlIndicatorRef>`, `<zoneRef>`, `<accessPointRef>`, `<internalRef>`, `<dmRef>`, `<pmRef>`, `<externalPubRef>`, or `<footnoteRef>`.

5.17.1.7 Use of cross-references from titles (JS-104). See JS-103 (5.17.1.5).

5.17.1.8 Use of title and issue date in data module references. The use of element `<dmTitle>` in the element `<dmRefAddressItems>` is optional. The element `<issueDate>` in the element `<dmRefAddressItems>` shall not be used.

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5.17.1.9 Publication module references (JS-102). The element `<pmRef>` shall include `<pmCode>` and `<pmTitle>` but shall not include any other authored information, e.g., `<issueInfo>`, `<issueDate>`, of the referenced publication module.

5.17.1.10 External publication references. The element `<externalPubRef>` shall include the element `<externalPubTitle>` and the element `<externalPubCode>`. All other information is optional.

5.17.1.11 Use of the element `<behavior>`. The element `<behavior>` shall not be used in any `<refs>` child elements.

5.17.1.12 Use of the attribute `id` for destination elements. At a minimum, the attribute `id` shall be used for elements that are the destination of an internal cross-reference.

5.17.1.13 Use of the attribute `id` (JS-038). The use of the attribute `id` is required on the following items:

- a. `<figure>`
- b. `<graphic>`
- c. `<table>`
- d. `<levelledPara>`
- e. `<proceduralStep>` and `<crewDrillStep>`
- f. `<multimedia>`
- g. `<multimediaObject>`

The `id` attribute values shall be unique within a data module. Projects may determine attribute `id` value format.

5.17.1.14 Format of cross-references (JS-110). The prefixes listed in the following table shall be used for attributes `id` and `internalRefId`.

Prefix
"fig" for figures and alternates
"tab" or "tbl" for tables
"mma" for multimedia and alternates
"sup" for supplies
"seq" for support equipment
"spa" for spares
"par" for levelled paragraphs and alternates
"stp" for steps of procedure, fault isolation, etc., and alternates
"gra" for graphics (multiple sheets)
"mmo" for multimedia objects
"hot" for hotspots (e.g., "fig-0001-hot-0002")

5.18 S1000D Chapter 3.9.5.2.1.4 - Common constructs - Caption groups.

5.18.1 USAF business rules.

5.18.1.1 Use of caption groups. Caption groups shall be used to represent panel blocks, such as illuminated warning light, push buttons, etc.

5.18.1.2 Use of presentation settings. Projects shall use the presentation settings to reflect the panel block as accurately as possible.

5.19 S1000D Chapter 3.9.5.2.1.5 - Common constructs - Titles.

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5.19.1 USAF business rules.

5.19.1.1 Use of the element <title> (JS-105). When used, the elements <figure>, <multimedia>, and <levelledPara> (up to level 5) shall include a <title>. All other elements which allow a title shall be decided by project or organization decision.

5.20 S1000D Chapter 3.9.5.2.1.6 - Common constructs - Tables.

5.20.1 USAF business rules.

5.20.1.1 Tables as graphics. For new projects, tables shall not be presented as graphics. Legacy projects that already have tables as graphics may present the graphic as it is.

5.21 S1000D Chapter 3.9.5.2.1.7 - Common constructs - Figures, multimedia and foldouts.

5.21.1 USAF business rules.

5.21.1.1 Figures in data modules. Projects shall not include figures in data modules that are not referenced from within the data module.

5.21.1.2 Use of legends. When legends are required, all new projects shall use the element <legend> and present it as text outside the graphic. Legacy projects that already have legends presented within the graphic area may present the graphic as it is.

5.21.1.3 Use of the attribute autoPlay (JS-106). Projects shall not use the attribute autoPlay on <multimediaObject>.

5.22 S1000D Chapter 3.9.5.2.1.9 - Common constructs - Preliminary requirements and requirements after job completion.

5.22.1 USAF business rules.

5.22.1.1 Use of the element <personCategory>. When used, the element <personCategory> shall contain the appropriate Air Force Specialty Code as defined in AFI 36-2101. For weapon systems operated and maintained by contractor personnel, authorized skill code nomenclatures shall be provided (or approved) by the acquiring activity.

5.22.1.2 Use of the element <reqTechInfoGroup>. The element <reqTechInfoGroup> shall be used when the procedure requires the maintainer to physically obtain the referenced material.

5.22.1.3 Linking from the procedure text to required support equipment. Linking from the text in a procedure to the required support equipment for use shall be used.

5.22.1.4 Linking from the procedure text to required spares. Linking from the text in a procedure to the required spares shall be used.

5.22.1.5 Use of identification. The catalog sequence number identification shall be used to identify spare parts required in a procedure. The identification number shall be used to identify support equipment.

5.23 S1000D Chapter 3.9.5.2.1.10 - Common constructs - Text elements.

5.23.1 USAF business rules.

5.23.1.1 Symbol size (JS-037). Symbols used in inline text shall be large enough to be readable yet no larger than two times the line spacing within the normal text.

5.23.1.2 Footnotes. When footnotes are required, each individual footnote shall be contained within a single occurrence of the element <para>. Projects shall use the attribute footnoteMark, of the element <footnote>, to indicate that the text is a footnote, using only the value "num".

5.23.1.3 Footnote links within text. When footnotes are required, projects shall use the attribute internalRefId within the element <footnoteRef> to provide the link from the text to its associated footnote.

5.23.1.4 Emphasis. Projects shall indicate the emphasis of content by setting the value of the attribute emphasisType of the element <emphasis> to "em51", which shall be presented as bold/italic. No other values are permitted.

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5.23.1.5 Paragraph significant data. Projects shall indicate content that must be committed to memory by setting the value of the attribute `significantParaDataType` of the element `<inlineSignificantData>` to "psd51", which shall be presented as bold.

5.24 S1000D Chapter 3.9.5.2.1.11 - Common constructs - Controlled content.

5.24.1 USAF business rules.

5.24.1.1 Use of controlled content. The attributes `authorityName` and `authorityDocument` shall not be used.

5.25 S1000D Chapter 3.9.5.2.1.12 - Common constructs - Common information.

5.25.1 USAF business rules.

5.25.1.1 Use of common information. The element `<commonInfo>` shall be used when it is necessary to provide data to the user that applies to the entire data module.

5.25.1.2 Markup method for common information. The `<commonInfo>` branch containing `<note>`, `<para>`, and `<commonInfoDescrPara>` shall not be used.

5.26 S1000D Chapter 3.9.5.2.3 - Content section - Procedural information.

5.26.1 USAF business rules.

5.26.1.1 Skill levels on steps. When skill levels are used to ensure that a maintainer/operator with the correct skill level carries out a procedural step that requires that particular skill level, the definitions of the values for skill levels used on procedural steps shall be in accordance with 5.14.1.25 and 5.14.1.27.

5.27 S1000D Chapter 3.9.5.2.5 - Content section - Maintenance planning information.

5.27.1 USAF business rules.

5.27.1.1 Use of the maintenance allocation branch. The maintenance allocation branch of the schedule schema (`schedul.xsd`) shall not be used.

5.27.1.2 Time limit information. The element `<timeLimitInfo>` shall be used to record the time limits required for maintenance checklists and inspections.

5.27.1.3 Task definitions. The element `<taskDefinition>` shall be used to record each task that is required for each item described in element `<equipGroup>` in element `<timeLimitInfo>`.

5.27.1.4 Inspection definitions. The element `<inspectionDefinition>` shall be used to group the inspection types defined below using the attribute `inspectionTypeCategory` of the element `<inspectionType>`. These are:

- a. Preflight/Preoperation
- b. End of Runway
- c. Thru-Flight
- d. Basic Post-Flight/Post-Operation
- e. Hourly Post-Flight/Post-Operation
- f. Periodic, Phased, or Isochronal
- g. Special Inspection and Maintenance
- h. Special Inspections After a Specific Occurrence
- i. Depot
- j. Acceptance and Functional Check

5.27.1.5 Task references. The element `<refs>` in the element `<taskItem>` shall contain a reference to the actual procedure listed in the element `<taskDefinition>`.

5.28 S1000D Chapter 3.9.5.2.6 - Content section - Crew/Operator information.

5.28.1 USAF business rules.

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5.28.1.1 Crew member types. The attribute `crewMemberType` shall be set to one of the following values:

cm01	All
cm02	Pilot
cm03	Copilot
cm04	Navigator
cm05	Engineer
cm06	Ground Crew
cm07	Load Master
cm08	Cabin Supervisor
cm09 - cm50	Not available for projects
cm51	Gunner
cm52	Flight Engineer
cm53	Observer
cm54	Radar Navigator
cm55	Boom Operator
cm56	Communications Systems Operator
cm57	Scanner
cm58	Offensive Systems Officer
cm59	Defense System Officer
cm60	Weapons Systems Officer
cm61 - cm99	Available for projects

Note that the attribute `skillLevelCode` of the element `<skillLevel>` in the identification and status section is still set in accordance with the rules for skill levels for data modules and 5.14.1.25.

5.29 S1000D Chapter 3.9.5.2.7 - Content section - Parts information.

5.29.1 USAF business rules.

5.29.1.1 Population of the element `<service>` (JS-039). The first two characters for the `<service>` code shall be US (for NATO projects the 2 digit code shall be "NA"). The third character shall specify the originating service for which the part data is applicable as follows:

- a. A - Army
- b. N - Navy
- c. F - Air Force
- d. M - Marine Corps
- e. C - Coast Guard

5.29.1.2 Use of the element `<natoStockNumber>` optional attributes (JS-040). The following NSN attributes shall be used:

- a. The attribute `natoSupplyClass` shall contain the four digit Federal Supply Classification (FSC).
- b. The attribute `natoCodificationBureau` shall contain the first two digits of the NATO Item Identification Number (NIIN).
- c. The attribute `natoItemIdentNumberCore` shall contain the final seven digits of the NIIN.

Use of the element `<fullNatoStockNumber>` is prohibited.

5.29.1.3 Figures. A single occurrence of the element `<figure>` or the element `<multimedia>` shall be included in each IPD data module.

5.29.1.4 Linking IPD information to graphics. Projects shall link IPD information to graphics in accordance with S1000D.

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- 5.29.1.5 Use of the element [<sourceMaintRecoverability>](#). The element [<sourceMaintRecoverability>](#) shall be populated in accordance with TO 00-25-195.
- 5.29.1.6 Reference designators. Reference designators shall be identified by using the element [<functionalItemRef>](#) with the attribute `functionalItemNumber`.
- 5.29.1.7 Zone references. The element [<zoneGroup>](#) shall not be included in delivered publications.
- 5.30 S1000D Chapter 3.9.5.2.9 - Content section - Wiring data.
- 5.30.1 USAF business rules.
- 5.30.1.1 Use of the wiring data schema. When the acquiring activity requires interactive schematic and/or wire/fluid system tracing, projects shall use both wiring schemas (`wrngdata.xsd` and `wrngflds.xsd`) to associate the components on the schematics to the information about those components.
- 5.31 S1000D Chapter 3.9.5.2.10 - Content section - Process data module.
- 5.31.1 USAF business rules.
- 5.31.1.1 Use of the process data module (JS-041). The process data module shall be used when it is necessary to maintain state information or present data to the user in a logical order based on state information. Some examples of uses are troubleshooting, diagnostics, and training.
- 5.31.1.2 Use of alternative data module nodes (JS-042). Alternative data module nodes shall be mutually exclusive.
- 5.32 S1000D Chapter 3.9.5.2.11 - Content section - Common information repository.
- 5.32.1 USAF business rules.
- 5.32.1.1 Technical and Common Information Repositories (CIRs) (JS-044). All delivered data shall include self-contained instances of the data modules (that do not have unresolved common information repository dependencies). This does not prohibit any of the following:
- common information repositories used in the development process,
 - procurement of common information repository data modules from the development process as additional (unpublished) data, or
 - references to common information repository data modules provided that the referencing data module is self-contained and the reference is to a published common information repository accessible to the user.
- 5.32.1.2 Internal and External use of Common Information Repository (JS-111). See JS-044 ([5.32.1.1](#)).
- 5.33 S1000D Chapter 3.9.5.2.12 - Content section - Container data module.
- 5.33.1 USAF business rules.
- 5.33.1.1 Use of the container data module. If used, all data modules referenced from a container data module shall be delivered.
- 5.34 S1000D Chapter 3.9.5.2.13 - Content section - Learning data module.
- 5.34.1 USAF business rules.
- 5.34.1.1 Use of the learning schema. If the use of the S1000D learning schemas are required for learning content by the acquiring activity, then projects shall document how and when the learning data modules shall be used.
- 5.34.1.2 Coordinating learning plans. Projects shall coordinate learning data plans and related business rules with Air Education and Training Command.
- 5.35 S1000D Chapter 3.9.5.2.16 - Content section - Front matter.
- 5.35.1 USAF business rules.
- 5.35.1.1 Use of the element [<enterpriseLogo>](#). The element [<enterpriseLogo>](#) shall not be used.
- 5.35.1.2 Use of the element [<publisherLogo>](#). The element [<publisherLogo>](#) shall not be used.

MIL-STD-3048A (USAF)5.36 S1000D Chapter 3.9.5.3 - Data modules - Applicability.

5.36.1 USAF business rules. The USAF business rules for the implementation of applicability are dependent on the project's decision on whether to use applicability.

5.36.1.1 Obtaining a product value. When a product value is obtained from the end user, the Product Cross-reference Table (PCT) shall be used to match the entered value to a product defined in the PCT via the unique identifier. If found, the additional attribute values defined for that product shall be automatically obtained.

5.36.1.2 Process data module variable mapping. A mapping scheme between process data module variables and applicability values shall be established, if applicability variables are used by the process data module. This mapping scheme shall be applied consistently throughout the project.

5.36.1.3 Use of the attribute `applicPropertyValues`. The values for the attribute `applicPropertyValues` shall conform to the following rules:

- a. Numeric value ranges shall be padded with zeros, so the low number in the range contains the same number of characters as the high number in the range (for example, "0001~9999").
- b. Spaces (white space) shall not be used in any values.
- c. Negative numbers shall be reversed (for example, the range of negative 50 though negative 99 shall be indicated as "-50~-99").
- d. When decimals are required in the ranges, both sides of decimals shall be padded (for example, "001.000~999.999").
- e. Date ranges shall use ISO 8601 short notation (for example, "2010-01-01~2010-12-31").

5.36.1.4 Applicability statements. Applicability statements shall be written to include only values that are applicable to the data. Excluded applicability values shall not be used because S1000D applicability markup does not include a "NOT" operator. For example, it is acceptable to state this data is applicable to particular aircraft tail numbers. It is not acceptable to state this data is not applicable to a particular aircraft tail number.

5.36.1.5 Human readable display text. If the human readable element `<displayText>` is not authored, projects shall predefine display text for all possible applicability values to be used for display.

5.37 S1000D Chapter 3.9.6.1 - Attributes - Project configurable values.5.37.1 USAF business rules (JS-043).

5.37.1.1 Values for the attribute `securityClassification`. The following values for the attribute `securityClassification` shall be used:

- a. 01 - unclassified
- b. 02 - not allowed
- c. 03 - confidential
- d. 04 - secret
- e. 05 - top secret
- f. 06-50 - not allowed
- g. 51-99 - not allowed

5.38 S1000D Chapter 4.2.1 - Common source database - Information objects.5.38.1 USAF business rules.

5.38.1.1 Use of XML (JS-045). Data modules shall be coded in XML.

5.39 S1000D Chapter 4.3.1 - Data module code - Model identification code.5.39.1 USAF business rules.

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- 5.39.1.1 General purpose model identification code value. The model identification code for general purpose data modules shall be "USAFGP".
- 5.39.1.2 Registering model identification codes. The project shall register all new model identification code(s) values with the NATO Support Agency and shall document the values in the project business rules.
- 5.40 S1000D Chapter 4.3.3 - Data module code - Standard numbering system.
- 5.40.1 USAF business rules.
- 5.40.1.1 Documentation of SNS (JS-047). The SNS shall be documented in the project business rules and included in the BREX to the extent possible.
- 5.40.1.2 Documentation of SNS and technical names (JS-048). Projects shall compile a list which defines the Standard Numbering System and all technical names.
- 5.40.1.3 Product Standard Numbering System structure (JS-112). See JS-048 (5.40.1.2).
- 5.40.1.4 Documenting SNS selection. Projects shall document the use and reason for selection of the SNS in the project business rules.
- 5.40.1.5 Use of the SNS in IPD data modules. Projects shall use an SNS that describes the breakdown of the Product for IPD data modules.
- 5.40.1.6 Use of the coding for non-chapterized IPD in the SNS. Projects shall not use the non-chapterized coding in the SNS for IPD data modules.
- 5.41 S1000D Chapter 4.3.4 - Data module code - Disassembly code.
- 5.41.1 USAF business rules.
- 5.41.1.1 Alternate use of the Disassembly Code (DC) (JS-050). When multiple data modules are required to address a single content need (i.e., when the content is voluminous), the DC may be used to establish data module code (DMC) uniqueness. This use of the disassembly code is intended to be used to segment an otherwise too long data module (that covers a single topic) into multiple data modules. The use of this method shall be compliant with the following rules:
- a. This method shall only be used when all other components of the DMC (model identification, system difference code (SDC), Standard Numbering System (SNS), and information code (IC)) are the same.
 - b. The disassembly codes shall be a sequential number starting from "01" for each otherwise identical DMC.
 - c. This method shall only be used with descriptive data modules.
 - d. The data modules shall be segmented at logical content sections (e.g., sub-topics). Artificial breaks (e.g., after every 10 pages) shall not be used.
 - e. This method shall not be used when multiple topics are involved that have applicable topic-specific information codes. Information codes shall be the preferred method for identifying the topic of a data module.
 - f. This method shall not be used when the planned data module content is less than the equivalent of 30 printed pages.
 - g. This does not prohibit the use of disassembly code for other purposes in other data modules as defined by S1000D and these business rules.
 - h. For each data module (DM) where this method for coding the DC is used, the project shall assign an information name that corresponds to the specific content contained therein and extends the information name normally associated with the Information Code Variant (ICV). The information name, in these cases, shall be a sub-topic of the information name (e.g., "Normal operation, Landing clearance").
- 5.42 S1000D Chapter 4.3.6 - Data module code - Information code.

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5.42.1.1 Information codes and information names. Information codes and information names shall be used in accordance with the Joint Service information codes (see 1.5 for where to obtain them).

5.43 S1000D Chapter 4.3.7 - Data module code - Information code variant.5.43.1 USAF business rules.

5.43.1.1 Information code variant values. Information code variant values shall be used in accordance with the Joint Service information codes (see 1.5 for where to obtain them). Projects shall coordinate the need for project-specific information code variants with AFMC/A4FI.

5.44 S1000D Chapter 4.4 - Information management - Information control number.5.44.1 USAF business rules.

5.44.1.1 Information Control Number (ICN) based on Model Identification Code (MIC), System Difference Code (SDC), and Standard Numbering System (SNS) (JS-051). For projects using the MIC based ICN method, the MIC, SDC and SNS for ICN shall be populated in a manner consistent with the project data module coding strategies.

5.44.1.2 Presentation of Information Control Number (ICN) (JS-052). ICN shall be placed outside the graphic. The information control numbers are normally derived from the XML attribute `infoEntityIdent` and put in place by the publishing system. An ICN shall only be presented once with each illustration. In cases where legacy graphics already contain an identifier within the graphic and the project would encounter expense to remove it, this BR does not apply.

5.44.1.3 Use of CAGE code and/or model identification code based ICN. All new projects shall use the CAGE code based ICN. Legacy projects shall use the format of the ICN as it is.

5.44.1.4 Security classification for illustrations and multimedia. Projects shall classify illustrations and multimedia as specified in DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

5.44.1.5 Security classifications to be used for CAGE code based and model identification based ICN (JS-119). Only the following values for the ICN security classifications shall be used:

- a. 01 - unclassified
- b. 02 - not allowed
- c. 03 - confidential
- d. 04 - secret
- e. 05 - top secret
- f. 06-50 - not allowed
- g. 51-99 - not allowed

5.44.1.6 Security classifications to be used for model identification based ICN (JS-120). See JS-119 (5.44.1.5).

5.45 S1000D Chapter 4.5 - Information management - Data management lists.5.45.1 USAF business rules.

5.45.1.1 Use of data management requirement list (DMRL). Projects shall create and use a DMRL using the data management list schema (dml.xsd).

5.45.1.2 Use of security markup for DMRL entries. Projects shall include security information for each DMRL entry by using the element `<security>` within element `<dmlEntry>`.

5.45.1.3 Use of CSDB Status List (CSL). Projects shall create and use a CSL using the data management list schema (dml.xsd).

5.45.1.4 Issue date of DMRL. The issue date of a DMRL shall be the date of delivery.

5.46 S1000D Chapter 4.6 - Information management - Comment.

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5.46.1.1 Reporting errors and improvements. Projects shall use the AFTO 22 processes to report errors and improvements on IETMs and TOs, not the comment schema (comment.xsd).

5.47 S1000D Chapter 4.8 - Information management - Interchange of data modules.5.47.1 USAF business rules.

5.47.1.1 Use of Data Dispatch Note (DDN) for deliveries. DDNs shall be used to accompany deliveries of S1000D data.

5.48 S1000D Chapter 4.9.1 - Publication management - Publication module.5.48.1 USAF business rules.

5.48.1.1 Publication module (PM) definitions (JS-054). Two uses of publication modules are relevant to S1000D:

- a. Parent publication modules are the PMs used to produce complete manuals and IETPs.
- b. Nested publication modules are the PMs used to produce subsets of complete manuals and IETPs (e.g. chapters, sections, etc.).

5.48.1.2 Use of publication modules (PMs) (JS-055). PMs shall be used to sequence data modules for the preparation of all page-oriented and interactive electronic technical publications.

5.48.1.3 Use of the element `<logo>` in publication modules. The element `<logo>` shall not be used in publication modules.

5.48.1.4 Use of originator and responsible partner company (JS-056). The originator for data modules and publication modules shall be the company or organization that originally authored the object. For conversion projects, the organization shall decide whether to make the originator the conversion company or the organization responsible for maintaining the object.

The responsible partner company for data modules and nested publication modules shall be the company or organization responsible for maintaining the data module or nested publication module.

The responsible partner company for parent publication modules shall be the publication issuing authority (e.g. "Headquarters, Department of Army").

5.48.1.5 Use of the element `<responsiblePartnerCompany>` with element `<enterpriseName>` and/or the attribute `enterpriseCode` (JS-113). See JS-056 (5.48.1.4).

5.48.1.6 Use of the element `<originator>` with element `<enterpriseName>` and/or the attribute `enterpriseCode` (JS-114). See JS-056 (5.48.1.4).

5.48.1.7 Use of the element `<enterpriseName>` in parent publication modules. For parent publication modules, the element `<enterpriseName>`, within the element `<responsiblePartnerCompany>`, shall be used and shall contain the words "Secretary of the US Air Force" for all authenticated publications.

5.48.1.8 Publication module arrangements. For page-oriented output, publication module arrangement shall be as specified in the milspec corresponding to the information sets chosen by the project.

5.48.1.9 System breakdown code and functional item code. Neither the system breakdown code nor the functional item code shall be used in the publication module status section.

5.48.1.10 Titles for multivolume publications. The information in the publication title area shall be the same for all volumes of a multivolume set.

5.48.1.11 Title page of publications. Publication title pages shall be generated from the metadata contained in the parent publication module and its references and/or a front matter data module using the front matter schema (frontmatter.xsd).

5.49 S1000D Chapter 4.9.2 - Publication management - Coding publication modules.5.49.1 USAF business rules.

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5.49.1.1 Publication numbering (JS-058). Publication module codes for publications (parent publication modules) shall consist of the following components:

- a. Model identification code. The values for the attribute `modelIdentCode` in the element `<pmCode>` shall be populated in a manner consistent with the rules for the attribute `modelIdentCode` in the data module code.
- b. Issuing authority. The attribute `pmIssuer` shall be populated with a value that combines a single character issuing authority code assigned at the service level by a business rule.
Note: Service Level ranges are: Army (0-9, A), Navy (including USMC) (B-N), Coast Guard (O-Q), Air Force (R-Z) and a four character category code.
Note: For category codes, the Army will use the Federal Supply Codes (FSC) and the Navy will use the Standard Subject Classification Codes (SSCC).
- c. Publication number. The attribute `pmNumber` shall be populated with a value that combines a three character joint service publication code found in column one of the Joint Service Publication Acronym List (see Table I) and a 2 character sequence number assigned by the project.
- d. Volume. The value of the attribute `pmVolume` shall be populated with a two digit volume number. If no volume identification is needed, the default value shall be "00".

5.49.1.2 Issuing authority (JS-115). See JS-058 (5.49.1.1).

5.49.1.3 Use of the attribute `pmIssuer`. The attribute `pmIssuer` for Air Force publications (parent publication modules) shall be populated with the value "SECAF".

5.49.1.4 Parent publication module codes for MIL-DTL-5096 publications. In the Publication Module Codes (PMCs) that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-5096 publications shall be:

Manual type	Publication Module Code
Inspection and Maintenance Requirements Manual	MI-SECAF-WCLNN-VV
Acceptance and Functional Check Flight Procedures Manual	MI-SECAF-AFCNN-VV
Functional Check Flight Checklist	MI-SECAF-AFLNN-VV
Inspection Work Cards	MI-SECAF-WKMNN-VV

5.49.1.5 Parent publication module codes for MIL-DTL-5288 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-5288 publications shall be:

Manual Type	Publication Module Code
Loading Instructions Manual	MI-SECAF-CLGNN-VV
Nuclear Weapon Cargo Loading Manual	MI-SECAF-CLNNN-VV
Cargo Loading Checklist	MI-SECAF-CLCNN-VV

5.49.1.6 Parent publication module codes for MIL-DTL-5920 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-5920 publications shall be:

Manual Type	Publication Module Code
Sample Basic Weight Checklist	MI-SECAF-WABNN-VV
Loading Data (Aircraft)	MI-SECAF-LDANN-VV

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5.49.1.7 Parent publication module codes for MIL-DTL-7700 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-7700 publications shall be:

Manual Type	Publication Module Code
Flight Manual	MI-SECAF-ACMNN-VV
Performance Data	MI-SECAF-PSPNN-VV
Mission Crew Manual	MI-SECAF-AIMNN-VV
Supplemental Flight Manual	MI-SECAF-ACSNN-VV
Abbreviated Flight Crew Checklist	MI-SECAF-CCLNN-VV

5.49.1.8 Parent publication module codes for MIL-DTL-8031 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-8031 publications shall be:

Manual Type	Publication Module Code
List Of Applicable Publications (LOAP)	MI-SECAF-LAPNN-VV

5.49.1.9 Parent publication module codes for MIL-DTL-9854 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-9854 publications shall be:

Manual Type	Publication Module Code
Structural Repair Manual	MI-SECAF-SRMNN-VV

5.49.1.10 Parent publication module codes for MIL-DTL-9977 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-9977 publications shall be:

Manual type	Publication Module Code
Nuclear Weapons Basic Information and Loading Procedures Manual (Fighter Aircraft)	MI-SECAF-WNFNN-VV
Nuclear Weapons Loading Procedures Manual (Bomber Aircraft)	MI-SECAF-WNBNN-VV
Non-Nuclear Munitions Basic Information Manual (Standard Volume)	MI-SECAF-WMBNN-VV
Non-Nuclear Munitions Loading Procedures Manual	MI-SECAF-WMLNN-VV
Non-Nuclear Munitions Loading Standard Data Packages	MI-SECAF-WMSNN-VV
Loading Procedures Checklist	MI-SECAF-WLCNNV
Single Loading Procedures Checklist	MI-SECAF-SLPNN-VV
Integrated Loading Procedures Checklist	MI-SECAF-ILPNN-VV
Family Group Loading Procedures Checklist	MI-SECAF-FLPNN-VV
Nuclear Weapons Loading Procedures Checklist	MI-SECAF-NPCNN-VV
NATO Stage B Cross-Servicing Checklist	MI-SECAF-NSBNN-VV

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Manual type	Publication Module Code
Functional Check Procedures Checklist	MI-SECAF-FCPNN-VV
End of Runway (EOR) Procedures Checklist	MI-SECAF-EORNN-VV

5.49.1.11 Parent publication module codes for MIL-DTL-22202 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-22202 publications shall be:

Manual Type	Publication Module Code
Cross-Servicing Guides (Stage A)	MI-SECAF-ACGNN-VV

5.49.1.12 Parent publication module codes for MIL-PRF-38311 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-PRF-38311 publications shall be:

Manual Type	Publication Module Code
Intercontinental Ballistic Missile (ICBM) - Operation Manual	MI-SECAF-SIMNN-VV
ICBM - Operation Checklist	MI-SECAF-BCKNN-VV

5.49.1.13 Parent publication module codes for MIL-PRF-38314 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-PRF-38314 publications shall be:

Manual Type	Publication Module Code
Space systems - Operation Manual	MI-SECAF-SPSNN-VV
Space systems - Operations Checklist	MI-SECAF-SCKNN-VV

5.49.1.14 Parent publication module codes for MIL-DTL-38384 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-38384 publications shall be:

Manual Type	Publication Module Code
Non-Nuclear Weapon Delivery Manual	MI-SECAF-NWANN-VV
Aircrew Nuclear Bomb Delivery Manual (Strategic Bomber Aircraft)	MI-SECAF-NATNN-VV
Aircrew Nuclear Missile Delivery Manual (Strategic Bomber Aircraft)	MI-SECAF-NBMNN-VV
Aircrew Nuclear Bomb Delivery Manual (Tactical Aircraft)	MI-SECAF-NBTNN-VV
Non-Nuclear Weapon Delivery Source Data Packages	MI-SECAF-WDSNN-VV
Non-Nuclear Weapon Delivery Checklist	MI-SECAF-WDCNN-VV
Nuclear Weapon Delivery Checklist (Strategic Bomber Aircraft)	MI-SECAF-NDCNN-VV
Aircrew Nuclear Bomb Delivery Checklist (Tactical Aircraft)	MI-SECAF-NACNN-VV

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5.49.1.15 Parent publication module codes for MIL-DTL-38769 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-38769 publications shall be:

Manual Type	Publication Module Code
Work Unit Code Manual (Standard)	MI-SECAF-WUCNN-VV
Work Unit Code Manual (2 Chapter)	MI-SECAF-WC2NN-VV
Work Unit Code Manual (3 Chapter)	MI-SECAF-WC3NN-VV

5.49.1.16 Parent publication module codes for MIL-PRF-38793 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-PRF-38793C publications shall be:

Manual Type	Publication Module Code
Calibration Procedures	MI-SECAF-CALNN-VV

5.49.1.17 Parent publication module codes for MIL-DTL-38804 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-38804 publications shall be:

Manual Type	Publication Module Code
Time Compliance Technical Order (TCTO)	MI-SECAF-TCTNN-VV

5.49.1.18 Parent publication module codes for MIL-DTL-38807 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-38807 publications shall be:

Manual Type	Publication Module Code
Illustrated Parts Breakdown	MI-SECAF-IPMNN-VV

5.49.1.19 Parent publication module codes for MIL-DTL-83495 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-83495 publications shall be:

Manual Type	Publication Module Code
General Equipment Manual	MI-SECAF-OGENN-VV
General Systems Manual	MI-SECAF-OGSNN-VV
Job Guide Manual	MI-SECAF-OJGNN-VV
Fault Reporting Manual	MI-SECAF-OFRNN-VV
Fault Isolation Manual	MI-SECAF-OFINN-VV
Wiring Data Manual	MI-SECAF-OWDNN-VV
Schematic Diagrams Manual	MI-SECAF-OSMNN-VV
Combined General Equipment/General Systems Manual	MI-SECAF-OESNN-VV
Combined Fault Isolation/Fault Reporting Manual	MI-SECAF-OFCNN-VV

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Manual Type	Publication Module Code
Combined Wiring Data/Schematic Diagrams Manual	MI-SECAF-OWSNN-VV
Combined General System/Schematic Diagrams Manual	MI-SECAF-OGDNN-VV

5.49.1.20 Parent publication module codes for MIL-DTL-87158 publications. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-87158 publications shall be:

Manual Type	Publication Module Code
Aircraft Battle Damage Assessment and Repair Manual	MI-SECAF-ABRNN-VV

5.49.1.21 Parent publication module codes for MIL-DTL-87929 arrangements. In the PMCs that follow, the value **MI** is the model identifier, the value **NN** is available for project use, and the value **VV** is the volume number. PMCs for MIL-DTL-87929 publications shall be:

Manual Type	Publication Module Code
Receiving and Handling Work Package	MI-SECAF-WRHNN-VV
Servicing Work Package	MI-SECAF-WSVNN-VV
Operation Work Package	MI-SECAF-WOPNN-VV
Inspection Work Package	MI-SECAF-WINNN-VV
Maintenance Work Package	MI-SECAF-WMTNN-VV
Preparation for Shipment and Storage Work Package	MI-SECAF-WPSNN-VV
Storage Inspection Work Package	MI-SECAF-WSTNN-VV
Illustrated Parts Work Package	MI-SECAF-WIPNN-VV
Aircraft Engine Testing and Trending Procedures Manual	MI-SECAF-SATNN-VV
Aircraft Power Package (Engine Installation Hardware Configuration) Testing Procedures Manual	MI-SECAF-SPTNN-VV
Static Firing of Missile Motors Manual	MI-SECAF-SFMNN-VV
System Peculiar Corrosion Control Manual	MI-SECAF-SCONN-VV
Non-Destructive Inspection (NDI) Manual	MI-SECAF-SNDNN-VV
Aircraft Structural Integrity Program (ASIP) Manual	MI-SECAF-SSINN-VV
Automated Test Equipment (ATE) Operator Test Procedures Manual	MI-SECAF-SAONN-VV
Specialized Storage and Maintenance Procedures: All Up Round (AUR) Munitions and Associated Support Equipment, Conventional Components and Chemical Munitions/Biological Research (CMBR) Agents Manual	MI-SECAF-SSPNN-VV
Parachute Packing Procedures Manual	MI-SECAF-SPPNN-VV

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Manual Type	Publication Module Code
Operators Instructions (Hand-Held Flight Computers) Manual	MI-SECAF-SOPNN-VV
Installation-Engineering facility (Ground Communications-Electronics (C-E) equipment) Manual	MI-SECAF-SIENN-VV

5.50 S1000D Chapter 4.10 - Information management - Business rules exchange.5.50.1 USAF business rules.

5.50.1.1 Use of a project specific Business Rules Exchange (BREX) data module (JS-059). Projects shall create and use a project-BREX. The project-BREX shall use the layered BREX concept to reference the next higher level BREX.

5.50.1.2 Use of layered Business Rules Exchange (BREX) data modules (JS-116). See JS-059 (5.50.1.1).

5.50.1.3 Project BREX Reference data module code. The project BREX shall use the DMC below to populate the mandatory BREX Reference. The DMC is that of the USAF BREX which can be obtained at the Technical Manual Specifications and Standards (TMSS) website at <https://techdata.wpafb.af.mil/tmss/index.html>.

```
<brexDmRef>
<dmRef>
<dmRefIdent>
<dmCode modelIdentCode="USAF" systemDiffCode="0A00"
systemCode="00" subSystemCode="0" subSubSystemCode="0"
assyCode="00" disassyCode="00" disassyCodeVariant="00"
infoCode="022" infoCodeVariant="A" itemlocation="D"/>
</dmRefIdent>
</dmRef>
</brexDmRef>
```

5.51 S1000D Chapter 4.10.2 - Business rules exchange - BREX data module.5.51.1 USAF business rules.

5.51.1.1 Use of the element <snsDescr>. Projects shall use the element <snsDescr> to provide a description for each specific SNS system.

5.51.1.2 Use of the <snsRules> branch. Projects shall document their SNS and technical names using the <snsRules> branch.

5.51.1.3 Use of the element <snsTitle>. Projects shall use the element <snsTitle> to document the technical name of each SNS.

5.51.1.4 SNS documentation. Projects shall document all applicable codes of the project SNS using the elements <snsSystem>, <snsSubSystem>, <snsSubSubSystem>, and <snsAssy>.

5.52 S1000D Chapter 4.10.2.2 - BREX data module - Context related rules.5.52.1 USAF business rules.

5.52.1.1 Use of notation restrictions. Projects shall use the element <notationRule> to document applicable notation restrictions.

5.53 S1000D Chapter 4.12 - Information management - Multiple instances of CSDB objects.5.53.1 USAF business rules.

5.53.1.1 Use of identification extensions. Projects shall restrict the use of identification extensions using the element <identExtension> to Foreign Military Sales and Country Standard Technical Order situations.

5.54 S1000D Chapter 5 - Information sets and publications.

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5.54.1.1 Use of information sets. The information sets provided in S1000D Chapter 5 shall not be used to determine the required technical content for USAF publications. The latest USAF TMSS, as specified by the acquiring activity in the Technical Manual Contract Requirements (TMCR) and the USAF functionality matrix, shall be used to determine the scope of technical content covered and specific technical content requirements for USAF publications.

5.55 S1000D Chapter 6.2 - Information presentation and use - Page-oriented publications.5.55.1 USAF business rules.

5.55.1.1 Presentation for page-oriented publications. For page-oriented publications, projects shall decide whether to use the presentation and formatting rules given in S1000D Chapter 6.2; or to use the applicable presentation and formatting requirements in the latest USAF TMSS, as specified by the acquiring activity in the TMCR and the USAF functionality matrix. The presentation and formatting rules chosen shall not override, conflict, or contradict the page-oriented presentation and formatting rules in this MIL-STD-3048.

5.56 S1000D Chapter 6.2.1 - Page-oriented publications - Page layout, paper publications, headers and footers.5.56.1 USAF business rules.

5.56.1.1 Table of contents for page-based publications (JS-060). The overall publication table of contents for page-based publications shall include data module code or hierarchical indicator such as chapter/section/para, data module title and page number. Projects may stipulate other elements as needed (e.g. applicability).

5.56.1.2 List of tables for page-based publications (JS-061). The overall publication list of tables for page-based publications shall include data module code, table title and data module page number. Projects may stipulate other elements as needed (e.g. applicability).

5.56.1.3 Use of the prefix "Table" before the table number in the List of tables (JS-117). The caption "Table" shall not be added before the table number in the List of tables.

5.56.1.4 List of illustrations (LOI) for page-based publications (JS-062). The overall publication LOI for page-based publications shall include data module code, figure title, and page number. Projects may stipulate other elements as needed (e.g. applicability).

5.56.1.5 Use of the prefix "Fig" before the figure number in the List of figures (JS-118). The caption "Figure" or "Fig" shall not be added before the figure number in the List of figures/illustrations.

5.56.1.6 Organization responsible for printing (JS-063). The S1000D option for printing the identity of the organization responsible for producing the page-oriented output on each page is prohibited.

5.56.1.7 Page-based font (JS-065). All text (except where fixed font is required) shall be written in Arial font.

5.56.1.8 Text justification (JS-066). Text shall be left margin justified, with ragged (unjustified) right-hand edge.

5.56.1.9 Presentation for security classification markings for paper. Presentation of security classifications shall be in accordance with DoD information security program instructions/directives. The project or organization business rules shall identify the latest instructions/directives at time of contract award.

5.56.1.10 Presentation of inwork markings. Inwork markings, other than the value "00" shall not be presented on deliverables.

5.57 S1000D Chapter 6.2.2 - Page-oriented publications - Typography and layout elements.5.57.1 USAF business rules.

5.57.1.1 Data module title (JS-067). The data module title shall be derived from the element <techName> and the element <infoName> separated by a hyphen [-] surrounded by blanks. They shall be presented together as a centerhead No. 1.

5.57.1.2 Printing warnings, cautions, and notes (JS-068). Warnings, cautions, or notes shall not be divided, so that first lines or groups of icons appear on one page and remaining lines or group of icons appear on

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another page. In printed publications, warnings, cautions, and notes shall appear on the same page as the associated text unless the length of the warning, caution, or note exceeds a full page.

5.57.1.3 Table footnotes (JS-070). Table footnotes shall be placed at the bottom of the table or the bottom of the page, whichever is encountered first. Indent all table footnotes five spaces from the left margin of the table and return carryover lines to the left margin of the table. Separate the footnote numbers or other designators.

5.57.1.4 Presentation of table footnotes for multi-page tables. When a table is split over several pages, table footnotes shall be presented on the relevant page to which they apply.

5.57.1.5 Multi-sheet illustration numbering (JS-071). When an illustration requires several sheets, identification similar to (Sheet X of Y) shall be added after the title.

All sheets of a multi-sheet illustration shall be considered one figure. Multi-sheet figures shall be consecutively numbered and the total number of sheets following the title; for example, "Figure 1. Wing Hydraulic Assembly (Sheet 1 of 3)". Remaining sheets shall be numbered in consecutive order, "Figure 1. Wing Hydraulic Assembly (Sheet 2 of 3)", "Figure 1. Wing Hydraulic Assembly (Sheet 3 of 3)".

5.57.1.6 Change bars (JS-069). Changes to page-based output shall be presented with a change bar in the form of a vertical black line in the outside margin adjacent to the changed lines.

5.57.1.7 Changes to tables (JS-072). Changes to tables in page-based output shall be indicated by a vertical bar opposite the updated, deleted, or added table row. A change bar shall be placed adjacent to the table title only if the table title is changed or a new table is added.

5.57.1.8 Element depth and titles. Titles shall not be included on the following elements from an indenture depth of level 6 and higher:

- a. <levelledPara>
- b. <proceduralStep>
- c. <crewDrillStep>

5.57.1.9 Use of numbered notes within a data module at presentation. Notes shall not be numbered.

5.57.1.10 Presentation of titles in reference tables. Titles of data modules, publication modules, and non-S1000D publications shall be displayed in reference tables.

5.57.1.11 Inline presentation of titles of non-S1000D publications. Titles of non-S1000D publications shall be displayed inline.

5.57.1.12 Presentation of footnote numbers. The presentation of footnote markers for paper and page-oriented manuals shall be as superscripted numbers.

5.58 S1000D Chapter 6.3 - Information presentation/use - Interactive electronic technical publications.

5.58.1 USAF business rules.

5.58.1.1 Use of Chapter 6.3 (JS-073). The requirements and guidance of the S1000D Chapter titled, "IETP Output specification" as augmented by these business rules shall be mandatory.

5.59 S1000D Chapter 6.3.1 - IETP - Output specification.

5.59.1 USAF business rules.

5.59.1.1 Location of the navigation panel (JS-074). The navigation panel shall appear above the main content area.

5.59.1.2 Interactive Electronic Technical Publication (IETP) title bar contents (JS-075). The Title Bar shall contain the following items: security classification of the displayed Publication Module (PM) (if the publication is classified), PM title, and PMC. The security classification shall be presented first.

5.59.1.3 IETP subtitle bar contents (JS-076). The Subtitle Bar shall contain the following items: security classification of the displayed data module (if the data module or the publication module is classified), the data module title, and Data Module Code (DMC). The security classification shall be presented first.

5.59.1.4 IETP inner shell contents (JS-077). The inner shell shall contain, as a minimum:

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- a. Reset Area (Guide Post)
- b. Table of Contents Panel
- c. Navigation Panel
- d. Subtitle Bar
- e. Main Menu Bar
- f. Main Content Area

5.59.1.5 IETP table of contents (JS-078). The table of contents panel shall include as a minimum (links to) the following content if applicable:

- a. Table of contents (listing each Publication Module and Data Module)
- b. Safety summary (e.g. Hazardous Materials Warnings)
- c. List of illustrations
- d. List of tables

5.59.1.6 List of tables for IETP (JS-079). The overall publication list of tables for IETP shall include data module code and title. In addition, each entry shall be linked to the referenced table.

5.59.1.7 IETP reset area (JS-080). At a minimum, the reset area shall provide the following mandatory functions:

- a. Reset user interface to standard default view
- b. View revision summary/link to highlights
- c. Exit reset area menu
- d. Suspend (conditional)
- e. Restart (conditional)

If any of the above is not applicable to the data module being displayed, it shall be grayed out.

5.59.1.8 Use of a compass rose icon for a minimized reset area (JS-081). If minimizing the reset area to a compass rose icon, it shall be a graphical representation of the Webdings character (108) for a compass rose.

5.59.1.9 IETP main menu bar contents (JS-082). The main menu bar shall provide the following minimum set of mandatory navigation and control functions, which shall be made available to the user and common to all IETPs. The functions shall be provided in the following exact order: Previous, Next, TOC, History, Search, Print, Feedback, Exit, Help, and IDSTATUS.

5.59.1.10 IETP font and background colors (JS-083). The text shall be black (#000000 or #000033) sans serif font, except as noted elsewhere. Background shall be white (FFFFFF), except as noted elsewhere. This aids printing without loss of content. There may be operational exceptions, such as night operations and where color has special meaning.

5.59.1.11 IETP footnote presentation (JS-085). For IETP presentations, footnotes shall be linked from the marker to their location at the end of the table. Mouseover of the marker may be used to display the footnote in addition to the hyperlink.

5.59.1.12 Hazardous materials icons (JS-086). Hazardous materials icons shall be used in cases where hazardous materials are present.

5.59.1.13 Status bar. The status bar shall be a horizontal bar located at the bottom of the inner shell. The status bar shall contain status information including status indicators and icons for active (persistent) warnings, cautions, and notes. The status bar may be toggled on and off when there are no persistent alert icons. The status bar shall not be toggled off when persistent alert icons are displayed.

5.59.1.14 Basic layout for reduced screen real estate. When screen real estate does not permit the basic screen layout requirements, the panels and bars shall be hidden in such a way that the user can pull them back into the main window as necessary. The basic screen layout requirements are:

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- a. Navigation Panel
 - b. Title Bar (If the content of a data module is classified, the Title bar shall be permanently displayed and shall contain the security classification).
 - c. Subtitle Bar
 - d. Reset Area
 - e. Table of Contents panel
 - f. Main Menu Bar
 - g. Main Content Area
 - h. Status Bar (When persistent icons are displayed, the Status bar shall be permanently displayed).
- 5.59.1.15 Indicating changed content for on-screen display. For indicating changes to the on-screen display of content, projects shall highlight the changed content yellow using the S1000D Standard color palette from Chapter 3.9.2.3.
- 5.59.1.16 Indicating inserted content for on-screen display. For indicating inserted content for on-screen display, projects shall highlight the inserted content green using the S1000D Standard color palette from Chapter 3.9.2.3.
- 5.59.1.17 Indicating changes or insertions to the on-screen display of single sheet figures, illustrations and graphics. For indicating changes or insertions to the on-screen display of single sheet figures, illustrations and graphics, projects shall use the change markup as specified at 5.16.1.8. Projects shall indicate an insertion of the figure, illustration or graphic by highlighting the title green. Projects shall indicate a modification to the figure, illustration or graphic by highlighting the title yellow. These colors shall be in accordance with the S1000D Standard color palette from Chapter 3.9.2.3.
- 5.59.1.18 Indicating changes and insertions to the on-screen display of sheets in multisheet figures, illustrations, and graphics. For indicating changes and insertions to the on-screen display of multisheet figures, projects shall use the change markup as specified at 5.16.1.10. Projects shall indicate an insertion of the sheet or sheets by highlighting the figure title of the inserted sheet green. Projects shall indicate a modification to the figure, illustration or graphic by highlighting the figure title of the modified sheet yellow. These colors shall be in accordance with the S1000D Standard color palette from Chapter 3.9.2.3.
- 5.59.1.19 Indicating changes or insertions to on-screen display of tables and their titles. Projects shall indicate an insertion of the table or titles by highlighting the table title green. Projects shall indicate a modification to the table title or a complete (or majority) modification to the table by highlighting the table title yellow. These colors shall be in accordance with the S1000D Standard color palette from Chapter 3.9.2.3.
- 5.59.1.20 Indicating changes or insertions to on-screen display of multimedia and their titles. For indicating changes or insertions to the on-screen display of multimedia and their titles, projects shall use the change markup as specified at 5.16.1.12. Projects shall indicate an insertion of the multimedia or its title by highlighting the multimedia title green. Projects shall indicate a modification to the multimedia or its title by highlighting the multimedia title yellow. These colors shall be in accordance with the S1000D Standard color palette from Chapter 3.9.2.3.
- 5.59.1.21 Table of contents (TOC) order. The TOC information shall be displayed in accordance with the breakdown and sequencing of the publication modules and data modules.
- 5.59.1.22 Table of contents initial display. When the TOC is initially displayed, only the first level items shall be shown. When subordinate items are collapsed, a plus sign expand indicator shall be displayed before the item name. Clicking the expand indicator shall display the subordinate items and changes the indicator to a minus sign collapse indicator.
- 5.59.1.23 Table of contents - Front and rear matter. Information that is normally considered part of the front and rear matter, but are typically not part of the page-based table of contents, shall be accessible from the IETP's table of contents or the navigation panel.
- 5.59.1.24 Table of contents references. TOC references shall require a single click.

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5.59.1.25 Navigation panel - Subtitle bar. The subtitle bar is mandatory and shall have the capability to be toggled on or off.

5.59.1.26 Navigation panel - Security markings. If the data module content is classified, security markings shall be displayed in the subtitle bar, as well as the title bar of the outer shell.

5.59.1.27 Navigation panel - Main menu bar. The main menu bar is mandatory and shall have the capability to be toggled on or off.

5.59.1.28 Navigation panel - Custom IETP functions. Any custom functions that the IETP provides shall be placed in the additional information bar.

5.59.1.29 Navigation panel - IETP Busy. If the IETP viewer is expected to be busy for more than 2 seconds, the cursor shall change to a visible and recognizable indication until the busy condition passes. Once the busy condition passes, the cursor shall return to its previous form.

5.59.1.30 Hyperlinks. Display and functionality of hyperlinks are as follows:

Topic	Requirements
Presentation of references	References to data modules in IETPs shall include the referenced data module title and optionally the data module code (e.g., See Radio XYZ - Safety summary [DMC-RADIOXYZ-001-001-23-4750-01000-012J-A]).
Reference to figures and tables	References to tables and figures shall be hyperlinked and may be presented as text or as inline thumbnails or icons.
Links to multimedia	Links to view animations, videos, etc., shall require a single click of a text hotspot or an icon hotspot. The object shall display in a separate pane or application window. The links or hotspots for multimedia (animation, video, etc.) clips shall precede the step(s) to which they apply. A note shall also precede the step(s) to which the multimedia clips apply which tells the user to follow the written instructions after viewing the multimedia clips and which step(s) the multimedia clips apply to.
Pop-up windows	Pop up windows to display a graphic or table shall only be used if necessary to display large and very detailed graphics or tables. To avoid problems related to screen stacking, all pop-up windows shall close when the user navigates to or switches to other content.

5.59.1.31 Warnings, cautions, and notes. The rules for warnings, cautions, and notes are as follows:

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Topic	Requirements
Multiple warnings and cautions, general	Warnings and cautions on unrelated topics that pertain to the same task, procedure, or step(s) may be grouped under one heading. When grouping warnings and cautions, each warning or caution shall be separated by at least one line and may be bulleted.
Multiple warnings and cautions, order	If multiple warnings and cautions apply to the same text, warnings shall appear first and cautions shall appear second. If notes are also applicable to the text, they shall appear after the applicable warnings and cautions.
Warnings and cautions content	The content shall contain all necessary information needed to reduce or alleviate the hazard without reference to additional information.
Numbering	Warning and caution headers shall not be numbered. When a warning or caution consists of two or more paragraphs, the header WARNING or CAUTION shall not be repeated above each paragraph.
Acknowledgement of alerts	<p>If acknowledgment of alerts is used, alerts shall be displayed and acknowledged as follows:</p> <ol style="list-style-type: none"> a. An OK push button in the alert shall be used for acknowledgment. The text following the alert shall not be displayed until the alert is acknowledged. The alerts shall stay inline after the user acknowledges the alert. All functions (including the scrolling function if provided) shall be disabled until the alert has been acknowledged. b. When multiple alerts are displayed in the same pane, the OK push button in each alert shall be used for acknowledgment. The text following an alert shall not be displayed until that alert is acknowledged. c. When alerts apply to the entire task or procedure, the alerts shall be displayed in line prior to the applicable data. d. After an alert has been acknowledged, the applicable persistent alert icon shall be displayed in the status bar of the inner shell and remain persistent until the applicable step, task, and/or procedure has been completed. Clicking on the persistent alert icon, at any time during the task or procedure, shall display the applicable alert(s).

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Topic	Requirements
Icons	<p>The following rules apply to warning and caution icons.</p> <ul style="list-style-type: none"> a. The use of standardized icons to improve readers' recognition of hazards is required. Additional nonstandardized warning icons shall be approved by the acquiring activity. b. Hazards that result from a combination of materials shall clearly be identified to indicate that mixing or combining the materials creates the hazard. c. Hazardous materials warnings with icons consist of a WARNING header, the icon(s), and a full description of the hazardous material and the precautions to be taken.
Multiple notes	<p>If multiple notes apply to the same text, the warnings shall appear first, cautions shall appear second, and notes shall appear last. Notes on unrelated topics that pertain to the same task, procedure, or step(s) may be grouped under one heading. Each note shall be separated by at least one line and may be bulleted.</p>
Note numbering	<p>The NOTE headers shall not be numbered. When a note consists of two or more paragraphs, the header NOTE shall not be repeated above each paragraph.</p>
Acknowledgement	<p>A note shall be acknowledged if it is deemed important enough by the acquiring activity. The only push button in the note message dialog box shall be the OK push button, which shall be used for acknowledgement. Unlike warnings and cautions, text that follows a note may be viewable prior to acknowledgement and a persistent note icon shall not be displayed in the status bar of the inner shell after the note is acknowledged.</p>

5.59.1.32 Links. Linking from change marks to the highlights page shall be prohibited.

5.59.1.33 Reason for update. The reason for update shall only be displayed to the user in the highlights pages/screens.

5.59.1.34 Presenting changes. The display of change markings shall be toggled On or Off by use of a Toggle change function. The default display shall be Off.

5.59.1.35 Notification of changes. When the display of change markings is toggled off, the viewer shall display a persistent icon, in the status bar, for data modules that contain changes.

5.59.1.36 Printed output from an IETP. The IETP may provide the capability to print a discrete data module. Beyond the printed technical data, the following additional information shall be printed: Time/Date stamp, classification markings, distribution statement, export control statement, applicability annotation block (if the project is using applicability), and the following statement:

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"Destruction procedures shall follow unit Standard Operating Procedure (SOP)."

5.60 S1000D Chapter 6.4.2 - Functionality - Functionality matrix.

5.60.1 USAF business rules.

5.60.1.1 Use of the functionality matrix (JS-087). The functionality matrix shall be completed and included in contract documents. The use of IETP classes in contracts is prohibited.

5.60.1.2 Use of the USAF functionality matrix. USAF projects shall use the default USAF functionality matrix which can be obtained at the TMSS website at <https://techdata.wpafb.af.mil/tmss/index.html>.

5.61 S1000D Chapter 7.1 - Information processing - Introduction.

5.61.1 USAF business rules.

5.61.1.1 Use of S1000D schemas. Only the promulgated S1000D schemas, available at <http://www.s1000d.org> shall be used.

5.62 S1000D Chapter 7.2 - Information processing - Basic concepts.

5.62.1 USAF business rules.

5.62.1.1 Use of modularized or flat schemas. Projects shall use the XML flat S1000D schemas.

5.62.1.2 Use of S1000D schemas (JS-088). S1000D provided schemas shall not be modified.

5.63 S1000D Chapter 7.3.1.3 - Data module Schema - Invocation.

5.63.1 USAF business rules.

5.63.1.1 Schema invocation. For delivery, projects shall only use the invocation for XML flat schema instances.

5.64 S1000D Chapter 7.4.1.1 - IETP - Generation process.

5.64.1 USAF business rules.

5.64.1.1 Auto generation of metadata (JS-089). The rdf.xsd, dc.xsd, and xlink.xsd schemas shall be used, and the metadata shall be auto generated during the publication process.

5.65 S1000D Chapter 7.5.1 - Information interchange - File based transfer.

5.65.1 USAF business rules.

5.65.1.1 Defined file formats. Projects shall use only the file formats defined in S1000D.

5.66 S1000D Chapter 7.5.3 - Information interchange - Resource description framework/Dublin core metadata.

5.66.1 USAF business rules.

5.66.1.1 Use in CSDB objects. Resource description framework/Dublin core metadata shall not be used for data dispatch notes, data management lists, or comments.

5.67 S1000D Chapter 8.4 - SNS, information codes and learn codes - Information codes.

5.67.1 USAF business rules.

5.67.1.1 Use of Available for projects information codes (JS-090). Projects shall not use unassigned information codes. If a project determines the need to assign a new information code, the information code and its corresponding information name and definition shall be submitted to the appropriate Service Representative to the Joint Service IETM Technology Working Group (JSITWG).

5.68 S1000D Chapter 8.4.1 - Information codes - Short definitions.

5.68.1 USAF business rules.

5.68.1.1 Information codes. Joint Service information codes and information code variants shall be used to identify the functional content of each data module (see 1.5 for where to obtain them). Programs that identify a data module function that cannot be satisfied with an existing information code or variant shall submit a proposal for a new information code variant to AFMC/A4FI.

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5.68.1.2 Information names. Information names shall be in accordance with S1000D, except when an alternative is given in the Joint Service information codes. In these cases, the alternative shall be used.

5.68.1.3 Model identifiers in information names. Projects shall not include the model identifier in the information names for information codes and information code variants.

6 NOTES

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

6.1 Intended use. This standard contains business rule requirements intended for use during the development of Air Force technical publications using S1000D.

6.2 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of this standard.
- b. Title, number, and date of S1000D.
- c. Completed functionality matrix.
- d. Project specific business rules (see 4.2 and Appendix A).

6.3 Subject term (key word) listing. The following terms are to be used to identify the MIL-STD-3048 document during retrieval searches:

- a. Common Source Database (CSDB)
- b. Data modules
- c. Extensible Markup Language (XML)
- d. Information sets
- e. Interactive Electronic Technical Manual (IETM)

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

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List**

Acronym	Definition
ABR	Aircraft Battle Damage Assessment and Repair Manual
ACG	Aircraft Cross-Servicing Guides (Stage A)
ACM	Air Crew Manual
ACS	Air Crew Supplemental Manual
ADC	Arm/Dearm Checklists
AEG	Special Combat System Publications (Aegis only)
AFC	Acceptance and Functional Check Flight Procedures Manual
AFL	Acceptance and Functional Check Flight Checklist
AIB	Powered Aerial Target (PAT) Acceptance/Initial Buildup Card Decks
AIM	Aircrew Information Manual
ALT	Alteration
AMD	Antiship Missile Defense Instruction/Manual
AML	Aircraft Technical Manual List
APL	Allowance Parts List
ASY	Assembly Instructions
BCK	ICBM Systems - Operation Checklist
BDR	Battle Damage Assessment and Repair
BIM	Boat Information Manual
BOM	Bill of Material
BUL	Bulletin
CAL	Calibration Procedures/Allowance Lists/Instructions
CAT	Catalog
CCD	Configuration Control Document/Identification Manual
CCL	Pilot/Crew Checklist (aircraft)
CCS	Central Control System Manual
CER	Complete Engine Repair Cards
CHA	Characteristics
CHS	Support Equipment (SE)/Automated Test Equipment (ATE), Airborne Mine Countermeasures (AMCM) and Unmanned Aerial Vehicle (UAV) Calendar, Hour, and Start Card Decks
CHT	Chart
CLC	Cargo Loading Checklist

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TABLE I. Joint Service Publication Acronym List - Continued

Acronym	Definition
CLG	Cargo Loading Manual
CLN	Cargo Loading Manual (Nuclear)
CMS	Conversion or Modernization Specification
COL	Check-off List
COM	Computer Operator's Manual
COT	Component Operability Test
CPM	Test Instrument Calibration Manual
CRS	Cable Running Sheet
CSA	Combat Systems Alignment Procedures
CSM	Combat System Technical Operations Manual
CSP	Cross Systems Procedures
CTM	Combat Training Manual
DCB	Damage Control Book (Submarine)
DCP	Damage Control Plates (Surface)
DCT	Damage Control Text (Surface)
DDT	Design Data
DIR	Directive
DIS	Airborne Mine Countermeasures (AMCM) Daily and Unmanned Aerial Vehicle (UAV) Daily Inspect/Daily Inspect And Servicing Card Decks
DKP	Deckplate (Periodical)
DLS	Airborne Armament Equipment (AAE) or Special Stores Daily/Special Card Decks)
DMM	Depot Maintenance Manual
DOC	Document (General)
DOP	Depot Overhaul Plan
DOR	DMWR containing National Maintenance Repair Standards including Parts List
DPO	Diagnostic Program Operating Instructions
DRL	Depot Maintenance Reference List
DSC	Aircraft Daily, Special, Preservation, and Conditional Card Decks
DSP	Design Specification
DTM	Destruction of Equipment to Prevent Enemy Use
DWG	Drawings (Except Engineering Drawings)
DWO	DMWR containing National Maintenance Repair Standards

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
DWP	DMWR including Parts List
DWR	Depot Maintenance Work Requirement
ECI	Equipment Certification Instruction
ECO	Engineering Change Order
ECP	Engineering Change Proposal
EDG	Engineering Drawings
EIB	Electronics Information Bulletin
EIM	Electronics Installation and Maintenance Book
EOD	Explosive Ordnance Disposal Manual
EOR	End of Runway (EOR) Procedures Checklist
EOS	Engineer Operating Sequencing System Manual
EXP	Expansion
FAT	Factory Acceptance Test
FCB	Field Change Bulletin
FCK	Field Change Kit
FCP	Functional Check Procedures Checklist
FFM	Functional Flow Diagram Manual
FIM	Fault Isolation Manual
FLD	Fault Logic Diagram
FLP	Family Group Loading Procedures Checklist
FMM	Flight Maintenance Manual
FMN	Fleet Machinery Maintenance Notes
FRM	Form
FSE	Food Service Equipment Manual
FTI	Flight Test Installation Manual
GAI	General Aircraft Information
GES	General Engineering Manual
GFI	Government Furnished Information
GHS	Ground Handling/Serviceing Manual
GIB	General Information Book
GJC	Gun Jam Clearing Checklists and Manuals
GOS	General Overhaul Specification
GSE	Ground Support Equipment (PGSE) Manual
GSM	General Series Manual
GTP	General Type Publication

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
GYD	Guide
HBK	Handbook
HDI	Hardware Design Instruction
HDR	Hand Receipt
IDS	Interface Design Specification
IDX	Index
IFM	Interface Manual
IIN	Installation Instructions
ILP	Integrated Loading Procedures Checklist
ILS	Integrated Logistics Support Plan
IMC	Instruction Manual, Commercial
INM	Installation and Maintenance Instructions
INS	Instruction
IPM	Illustrated Parts Breakdown
ITM	Index of Technical Manuals
ITP	Index of Technical Publications
IWS	Integrated Weapon System Manual
JPA	Job Performance Aid
LAP	List of Applicable Publications Manual
LBO	Lubrication Order
LDA	Loading Data (Aircraft)
LMM	Line Maintenance Manual
LOG	Logistic Data
LPS	Logistic Process Specification
LSS	Logistic Support Summary
LST	List
LUB	Lubrication Chart
LWC	Airborne Weapons/Stores Loading Checklists
LWM	Airborne Weapons/Stores Loading Manuals
LWS	Loading Manual, Weapons/Stores
M0B	Sustainment Maintenance Manual including Parts List
M1B	Operator, Field, and Sustainment Maintenance Manual including Parts List
M2B	Field Maintenance Manual including Parts List
M2P	Field Maintenance Parts List

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
M3B	Operator and Field Maintenance Manual including Parts and Special Tools List
M4B	Field and Sustainment Maintenance Manual including Parts List
M4P	Field and Sustainment Maintenance Parts List
MAB	Maintenance Manual, Org./Int./Depot/IPB
MAN	Manual
MAP	Map/Navigation Chart
MCM	Manual, Computer Maintenance
MCR	Manual Contract Requirement/Technical Manual Contract Requirements
MCS	Crew Station Manual
MDB	Maintenance Manual, Depot, with IPB
MDC	Maintenance Dependency Charts
MEB	Maintenance Manual, Intermediate/Depot, with IPB
MEL	Master Equipment List
MEM	Munition Effectiveness Manual
MFR	Manual, Fault Reporting
MIB	Maintenance Manual, Intermediate with IPB
MIP	Maintenance Index Page
MM0	Sustainment Maintenance Manual
MM1	Operator, Field, and Sustainment Maintenance Manual
MM2	Field Maintenance Manual
MM3	Operator and Field Maintenance Manual
MM4	Field and Sustainment Maintenance Manual
MMA	Maintenance Manual, All Levels
MMC	Maintenance Manual, Commercial
MMD	Maintenance Manual, Depot/Depot and Overhaul
MME	Maintenance Manual, Intermediate and Depot Levels
MMF	Maintenance Manual, Functionally Oriented
MMI	Maintenance Manual, Intermediate Level
MMM	Maintenance Manual, Organizational and Intermediate Levels
MMO	Maintenance Manual, Organization Level
MOH	Manual, Overhaul

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
MRC	Maintenance Requirement Card
MSB	Maintenance Standards Book
MSM	Preventive Maintenance Services Manual
MWO	Modification Work Orders
NAC	Aircrew Nuclear Bomb Delivery Checklist (Tactical Aircraft)
NAS	Nuclear Weapon Delivery Manual (Strategic Bomber Aircraft)
NAT	Aircrew Nuclear Bomb Delivery Manual (Strategic Bomber Aircraft)
NBM	Aircrew Nuclear Missile Delivery Manual (Strategic Bomber Aircraft)
NBT	Aircrew Nuclear Bomb Delivery Manual (Tactical Aircraft)
NCG	Noise Control Guidelines
NCS	NATO Cross-Servicing Guide
NDC	Nuclear Weapon Delivery Checklist (Strategic Bomber Aircraft)
NFM	NATOPS Flight Manual
NMD	Navy Munitions Data
NPC	Nuclear Weapons Loading Procedures Checklist
NSB	NATO Stage B Cross-Servicing Checklist
NWA	Non-Nuclear Weapon Delivery Manual
NWP	NMWR including Parts List
NWR	National Maintenance Work Requirement
OES	Combined General Equipment/General Systems Manual
OFC	Combined Fault Isolation/Fault Reporting Manual
OFD	One-Function Diagram
OFI	Fault Isolation Manual
OFR	Fault Reporting Manual
OGD	Combined General System/Schematic Diagram Manual
OGE	General Equipment Manual
OGS	General System Manual
OIC	Operating Instructions Chart
OJG	Job Guide Manual

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
OLD	Operational Logic Diagram
OME	Aeronautical Equipment, Airborne Weapons/Equipment, and Support Equipment Operation and Maintenance Electronic Technical Manuals (ETMs)/Interactive Electronic Technical Publications (IETPs)
OMI	Operation and Maintenance Instructions
OMP	Operation and Maintenance Manual, with Parts List
OPI	Operator's Instructions
ORD	Ordnance Data
ORI	Overhaul and Repair Instruction
OSB	Operational Station Book
OSD	Operational Sequence Diagrams
OSM	Schematics Manual
OSS	Operational Sequencing System
OWD	Wiring Data Manual
OWS	Combined Wiring Data/Schematic Manual
PAL	Publication Applicability List
PAM	Pamphlet
PCL	Operating Procedures (Communications Security Equipment) Precombat Checklist
PCM	Airplane Captain's Manual
PDD	Program Description Document
PDS	Program Design Specification
PIH	Programmed Instruction Handbook
PFC	Post Flight Checklist
PIM	Piping Installation Manual
PLD	Direct Support Repair Parts (and STL)
PLG	Direct Support and General Support Repair Parts (and STL)
PLL	Parts List
PLN	Plan
PLO	Organizational Repair Parts (and STL)
PLS	Powered Aerial Target (PAT) Prelaunch and Postlaunch Servicing Card Decks
PM1	Phased Maintenance Card Decks
PM9	Periodic Maintenance Information Card Decks

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
PMC	Preventive Maintenance Checklist
PMD	Preventive Maintenance Daily Manual
PMI	Phased Maintenance Inspection Checklist
PMM	Program Maintenance Manual
PMN	Performance Monitoring
PMS	Planned Maintenance System
PNM	Platform Noise Monitoring Manual
POG	Propulsion Operating Guide
POM	Principles of Operation
PPB	Power Plant Buildup Manual
PPI	Preservation and Packing Instructions
PPR	Paper - Decision/Point/Issue
PPS	Program Performance Specification
PQS	Personnel Qualification Standard
PRO	Procedure
PSB	Performance Standards Book
PSP	Performance Specification
PSR	Poster/Placard
PSS	Performance Standards Sheet
PTC	Preoperational and Turnaround Checklist Card Decks
PUM	Program User's Manual
QEC	Quick Engine Change Instructions
RAD	Radiological Controls/Radiation Safety Manual
RCC	Release and Control System Checklists
REC	Record
REF	Reference Data/Material/Reference Manual
REM	Range Equipment Manual
RIP	Repair Instructions with Parts List
RMM	Range Monitoring Manual
RNM	Range Noise Monitoring Manual
RPT	Report
RSB	Reference Standards Book
SAC	Standalone Checklists
SAF	Safety Publication
SAL	Ship Allowance List

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
SAO	Automated Test Equipment (ATE) Operator Test Procedures Manual
SAP	Ship Acquisition Plan
SAR	Search and Rescue Instructions
SAT	Aircraft Engine Testing and Trending Procedures Manual
SBC	Single Board Computer
SBS	Shipbuilding Specification
SBV	Structureborne Vibration Manual
SCB	Submarine Safety Certification Boundary Book
SCC	Sequence Control Chart
SCK	Space Systems - Operations Checklist
SCM	Software Control Manual
SCO	System Peculiar Corrosion Control Manual
SDI	Ship Drawing Index
SDM	Schematic Diagram Manual
SEC	Armament Weapons Support Equipment (AWSE) Configuration Manuals
SEM	Aircraft Systems and Equipment Maintenance Electronic Technical Manuals (ETMs)/Interactive Electronic Technical Publications (IETPs)
SFD	Signal Flow/Function Diagram
SFM	Static Firing of Missile Motors Manual
SHF	Stores Handling and Fueling-At-Sea Manual
SHP	Ship Related (General)
SHT	Sheet
SIB	Ship Information Book
SIE	Installation-Engineering Facility (Ground C-E Equipment) Manual
SIM	Intercontinental Ballistic Missile (ICBM) Systems - Operation Manual
SLM	System Level Maintenance
SLP	Single Loading Procedures Checklist
SLR	Slide Rule
SLT	Shelter
SMC	Ship Service Motors and Controllers Manual
SNC	Ship Noise Control Manual

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
SND	Non-Destructive Inspection (NDI) Manual
SOI	Special Operations Instructions
SOM	System's Operators Manual
SOP	Operator's Instructions (Hand-Held Flight Computers) Manual
SOT	System Operability Test
SPM	Steam and Electric Plant Manual
SPN	Specification
SPP	Parachute Packing Procedures Manual
SPS	Space Systems - Operation Manual
SPT	Aircraft Power Package (Engine Installation Hardware Configuration) Testing Procedures Manual
SRC	Stores Reliability Card
SRM	Structural Repair Manual
SSI	Aircraft Structural Integrity Program (ASIP) Manual
SSM	Ship System Manual
SSP	Specialized Storage and Maintenance Procedures: AUR Munitions and Associated Support Equipment, Conventional Components and CMBR Agents Manual
STA	Stability Data (Surface Ships)
STD	Standard
STE	Stability and Equilibrium Data (Submarines)
STM	Naval Ship Technical Manual
SUB	Supply Bulletin
SUC	Supply Catalog
SUM	Supply Manual
SUP	Supplement
SVM	Ship Valve Manual
SWP	Software Program (Includes test programs)
SYS	System Operation Manual
TAB	Training Aid Booklet
TAC	Tactical Manual
TCT	Time Compliance Technical Order
TEB	Technical Bulletin
TED	Technical Directive
TEL	Test Equipment List

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
TOP	Technical Overhaul Procedures
TOT	Torpedo Tube Pamphlet
TPM	Technician's Pocket Manual/Handbook
TRN	Training Document
TRQ	Testing Requirements
TRS	Technical Repair Standards
TSC	Test Set Card
TSD	Troubleshooting Support Data
TSM	Technical Repair Standards
TST	Test Set Tape
TTM	Test/Troubleshooting Manual
TXT	Text/Textbook
URM	User's Reference Manual
URS	Underway Replenishment Systems Manual
VID	Video
WAB	Weight and Balance Manual
WAC	Airborne Weapons Assembly Checklists
WAM	Airborne Weapons Assembly Manuals (WAM)
WAP	Work-around Procedures
WBM	Aircraft Wire Bundle Manual
WC2	Work Unit Code Manual (2 Chapter)
WC3	Work Unit Code Manual (3 Chapter)
WCA	Weapon Control System Alignment Procedures
WCL	Maintenance Checklists and Inspections Manual
WCM	Weapon Control Manual
WCR	Wiring Connector Repair Manual
WDC	Non-Nuclear Weapon Delivery Checklist Manual
WDM	Wiring Data/Diagrams
WDS	Non-Nuclear Weapon Delivery Source Data Packages Manual
WHM	Weapon Handling Manual
WHS	Weapon Handling and/or Storage
WIN	Inspection Work Package
WIP	Illustrated Parts Work Package
WKM	Work Card Manual

MIL-STD-3048A (USAF)**TABLE I. Joint Service Publication Acronym List - Continued**

Acronym	Definition
WLC	Loading Procedures Checklists Manual
WLM	Wiring List
WMB	Non-Nuclear Munitions Basic Information Manual (Standard Volume)
WML	Non-Nuclear Munitions Loading Procedures Manual
WMS	Non-Nuclear Munitions Loading Standard Data Packages
WMT	Maintenance Work Package
WNB	Nuclear Weapons Loading Procedures Manual (Bomber Aircraft)
WNF	Nuclear Weapons Basic Information and Loading Procedures Manual (Fighter Aircraft)
WOP	Operation Work Package
WPS	Preparation for Shipment and Storage Work Package
WRC	Wiring Repair (Combat) Manual
WRH	Receiving and Handling Work Package
WRM	Wiring Repair Manual
WSI	Weapon System Information Manual
WST	Storage Inspection Work Package
WSV	Servicing Work Package
WSX	Airborne Weapons/Stores Publication
WTB	Warranty Technical Bulletin
WUC	Work Unit Code Manual

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APPENDIX A

PROJECT DECISION POINTS

A.1 SCOPE

A.1.1 Scope. This appendix contains a tabular listing of additional project decision points which are not listed in S1000D. Projects must address these additional project decision points (see 4.2). This appendix is a mandatory part of this standard. The information contained herein is intended for compliance.

A.2 GENERAL REQUIREMENTS

A.2.1 Intended use. All project decisions points listed in this appendix shall be addressed. Be aware that additional project business rules may be required depending on the specific needs of the project.

A.2.2 Explanation of columns.

- a. Column 1 (S1000D Chapter No.) - This column contains the S1000D chapter number which is related to the project decision.
- b. Column 2 (Project Decision No.) - This column identifies the project decision number for each project decision (see 1.6.2).
- c. Column 3 (Project Decision Description) - This column contains both the title and the text of each project decision.

A.3 TABULAR LISTING OF PROJECT DECISION POINTS

S1000D Chapter No.	Project Decision No.	Project Decision Description
1.3	BRDP-AF-00001	List of permitted CAGE codes and/or names for the responsible partner company: Create a list of permitted CAGE codes and/or names for the responsible partner company.
3.9.1	BRDP-AF-00002	Primary and secondary units of measurement: When more than one standard of measurement is needed, decide whether to use U.S. customary units as the primary or secondary units of measurement.
3.9.5.1	BRDP-AF-00003	Use of data module code extensions: Decide whether the use of data module code extensions is required.
3.9.5.1	BRDP-AF-00004	Use of the attribute verificationType in element <firstVerification>: Decide on the criteria for applying the values "tabtop", "onobject", and "ttandoo" to the attribute verificationType of the element <firstVerification>.
3.9.5.1	BRDP-AF-00005	Use of the attribute verificationType in element <secondVerification>: Decide on the criteria for applying the values "tabtop", "onobject", and "ttandoo" to the attribute verificationType of the element <secondVerification>.
3.9.5.2.1.9	BRDP-AF-00006	Use of the element <personnel>: Decide whether to use the element <personnel>.
3.9.5.2.1.9	BRDP-AF-00007	Use of the element <trade>: Decide whether to use the element <trade>.

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S1000D Chapter No.	Project Decision No.	Project Decision Description
3.9.5.2.1.9	BRDP-AF-00008	Use of the element <estimatedTime>: Decide whether to use the element <estimatedTime>.
3.9.5.2.10.1	BRDP-AF-00009	Use of the element <proceduralStepAlts>: Decide whether to use the element <proceduralStepAlts>.
3.9.5.2.10.2	BRDP-AF-00010	Menu or user entry dialogs: Decide when to use menu or user entry type dialogs.
3.9.5.2.10.2	BRDP-AF-00011	Optional or mandatory entries in dialogs: Decide which entries in the dialog require responses and which entries have optional responses.
3.9.5.2.10.2	BRDP-AF-00012	Use of the attribute errorMessage in element <validate>: Decide whether error messages are generated by the validation condition or author entered messages.
3.9.5.2.13	BRDP-AF-00013	Use of the learning schema: Decide whether to use the learning schema (learning.xsd).
3.9.5.3	BRDP-AF-00014	Use of applicability: Throughout all aspects of the implementation of S1000D, decide whether, when, and how to implement applicability.
3.9.5.3.1	BRDP-AF-00015	Number of applicability cross-reference tables: Decide whether to use one or multiple applicability cross-reference tables.
3.9.5.3.2	BRDP-AF-00016	Use of the Conditions Cross-reference Table (CCT): Decide whether to develop and deliver CCT data modules.
3.9.5.3.2	BRDP-AF-00017	Use of multiple CCTs: If used, decide whether to create one single CCT data module or several CCT data modules divided by some logical criteria.
3.9.5.3.3	BRDP-AF-00018	Use of the PCT: Decide whether to develop and deliver PCT data modules. If used, decide which product sets are referenced in the PCT.
4.3.1	BRDP-AF-00019	Source of the model identification code: Decide whether to use the EIAC from the logistics database as the source for the value of the model identification code.
4.3.1	BRDP-AF-00020	Including the usable on code in the model identification code: Decide whether to include the end item UOC in the model identification code and document the values and reasons for the selected values.
4.3.5	BRDP-AF-00021	Source of the disassembly code variant: Decide whether to use the alternate logistics control number from the logistics database as the source for the value of the disassembly code variant.
4.9.1	BRDP-AF-00022	Use of the element <pubMedia>: Decide whether and how to use the element <pubMedia>.

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S1000D Chapter No.	Project Decision No.	Project Decision Description
6.2	BRDP-AF-00023	Choice of page-oriented presentation and formatting requirements: Decide whether to use the presentation and formatting rules given in S1000D Chapter 6.2; or to use the applicable presentation and formatting requirements in the latest USAF TMSS, as specified by the acquiring activity in the TMCR and the USAF functionality matrix.
6.3.1	BRDP-AF-00024	Alternating table row background colors: Decide whether to change the background colors of alternate rows in tables to aid readability.
6.3.1	BRDP-AF-00025	Tool tips: Decide on the use of tool tips.

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Air Force - 16

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Review activities:
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