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MIL-STD-2361(SC)
30 January 1997

DEPARTMENT OF DEFENSE INTERFACE STANDARD

DIGITAL PUBLICATIONS DEVELOPMENT

AMSC N/A

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FOREWORD

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

2. MIL-STD-2361 establishes the Standard Generalized Markup Language (SGML) requirements for use in Army digital publications. Within the standard, Army publications SGML requirements are separated by publication types. There are specified sections for administrative publications, training and doctrine publications, and technical and equipment publications. This initial publication of the standard contains the SGML requirements for Army Technical Manuals (TM) developed in accordance with the functional requirements contained in MIL-STD-40051, Technical Manual Preparation. The SGML requirements for technical equipment publications are applicable for the development, acquisition, and delivery of Electronic and Interactive Electronic Technical Manuals (ETM/IETM). Specific ETM/IETM functionality (e.g., display and database requirements), currently contained in MIL-M-87268 (Manuals, Interactive Electronic Technical: General Content, Style, Format, and User-Interaction Requirements) and MIL-D-87269 (Data Base, Revisable: Interactive Electronic Technical Manuals, for the Support of), will be included in future revisions to MIL-STD-2361. Subsequent versions of MIL-STD-2361 will contain the SGML requirements for all other Army publications, developed in accordance with their respective functional requirements documents.

3. MIL-STD-2361 is a product-oriented interface standard that addresses SGML application to functional requirements set forth in Government functional requirements standards and specifications. This standard establishes the requirements for developing SGML publications in accordance with the various Army functional requirements standards and specifications. MIL-STD-2361 has been evolved from a hierarchy of acquisition and development documents ranging from policy documents, such as Department of Defense Instructions (DODI) 5000.1, Defense Acquisition, through MIL-PRF-28001, Markup Requirements and Generic Style Specification for Electronic Printed Output and Exchange of Text. Throughout the development of MIL-STD-2361, the primary focus and consideration has been to ensure compliance with existing DoD, Army, and international policy and requirements.

4. MIL-STD-2361, its associated SGML, and the underlying functional requirements reflected in the SGML, are relatively new to publications developers and users. The SGML requirements, however, for Army Technical Manuals (TM), contained in Sections 4 and 5 of this standard, and the functional requirements found in MIL-STD-40051, will be familiar to publications developers who have previously worked with MIL-STD-361A (Draft). The SGML requirements and TM functional requirements now contained separately in MIL-STD-2361 and MIL-STD-40051, respectively, were derived from MIL-STD-361A (Draft).

5. MIL-HDBK-2361 (Draft), Implementation Guidance for Digital Publications Development, currently under development by USAPPC, will provide implementation guidance for MIL-STD-2361. MIL-HDBK-1222 (Draft), Guide to the General Style and Format of U.S. Army Work Package Technical Manuals, currently under development by the U.S. Army Materiel Command Logistics Support Activity (LOGSA), will provide implementation guidance for MIL-STD-40051.

6. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, U.S. Army Publications and Printing Command (USAPPC), ATTN: SAIS-PRP-PS, Hoffman Building 1, 2461 Eisenhower Avenue, Alexandria, VA 22331, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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1. SCOPE.

1.1 **Scope.** This standard establishes the Army Standard Generalized Markup Language (SGML) requirements for digital development, acquisition, and delivery of Army administrative, training and doctrine, and technical equipment publications. The requirements for technical equipment publications include the development, acquisition, and delivery requirements for Electronic and Interactive Electronic Technical Manuals (ETM/IETM) when used in conjunction with MIL-M-87268 and MIL-D-87269. Designated appendicies of this standard contain references to, and access instructions for, the modular SGML Document Type Definitions (DTD) and Tag Description Lists for the development of Army publications in conjunction with the respective functional requirements documents. Data prepared in conformance to these requirements will facilitate the automated storage, retrieval, interchange, and processing of publications from heterogeneous data sources. The requirements set forth by this military standard include:

a. Procedures and symbology for markup of unformatted text in accordance with this specific application of SGML.

b. SGML compatible codes that will support encoding of a technical publication to specific format requirements applicable to technical manuals.

c. Output processing requirements that will format a conforming SGML source file to the style and format requirements of the appropriate Formatting Output Specification Instance (FOSI) based on the Output Specification (OS).

1.2 **Applicability.** The standard is available for use by all Governmental Departments and Agencies, and by industry. The requirements contained in this standard may be applied to all Army programs that produce publication source data, and is directly applicable to all Army departmental publications, including administrative, training and doctrine, technical and equipment publications, including ETMs, IETMs, and Interactive Courseware (ICW).

1.3 **Standards Covered.** This standard establishes the requirements for the SGML digital encoding of all Army publications. The tables in paragraph 1.3.1 display the functional requirements documents and the Formal Public Identifiers (FPI) of their associated MIL-STD-2361 document type definitions. Data files satisfying the requirements of this standard will be one of the types in the following paragraphs, as specified (see 2.2.1 for full titles).

1.3.1 **Type 1 Data Files.** Type 1 data files are Army-approved document type definitions (DTD) that have successfully completed the Army SGML Registry and Library (ASRL) registration and approval process and are for publications conforming to approved and authenicated military standards and other publications requirements documents.

Table 1-1. Army Technical Manuals (TM)

Military Standard	DTD Nomenclature	Formal Public Identifier (FPI)
MIL-STD-40051	General Preparation and Assembly Information Chapter	PUBLIC "-//USA-DOD//DTD 2361 TM Assembly Chapter REV 0 19960630//EN"
MIL-STD-40051	General Information With Theory of Information Chapter	PUBLIC "-//USA-DOD//DTD 2361 TM Theory Chapter REV 0 19960630//EN"
MIL-STD-40051	Operator Instructions Information Chapter	PUBLIC "-//USA-DOD//DTD 2361 TM Operator Chapter REV 0 19960630//EN"
MIL-STD-40051	Troubleshooting Procedures Information Chapter	PUBLIC "-//USA-DOD//DTD 2361 TM Troubleshooting Chapter REV 0 19960630//EN"
MIL-STD-40051	Maintenance Instructions Information Chapter	PUBLIC "-//USA-DOD//DTD 2361 TM Maintenance Chapter REV 0 19960630//EN"
MIL-STD-40051	Repair Parts and Special Tool Lists (RPSTL) Information Chapter	PUBLIC "-//USA-DOD//DTD 2361 TM Parts Chapter REV 0 19960630//EN"

MIL-STD-40051	Supporting Information Chapter	PUBLIC "-//USA-DOD//DTD 2361 TM Support Chapter REV 0 19960630//EN"

1.3.2 **Type 2 Data Files.** Type 2 data files are for Army publications conforming to functional standards other than those listed in 1.3.1, and for which DTDs have not been approved. It is anticipated that in the future, additional DTDs and FOSIs will be approved and added to this standard.

1.4 Application guidance. This standard, MIL-STD-2361, applies to all acquisitions for, and development or conversion of, Army publications, including development of new publications and application of SGML to legacy (existing) publications requiring SGML applications. Assistance in application and implementation of MIL-STD-2361 SGML can be obtained from the Army SGML Registry and Library (ASRL) (See Appendix A for the ASRL access addresses).

1.4.1 **Application of SGML to legacy publications.** Refer inquiries regarding legacy data applications to the ASRL (See Appendix A).

1.4.2 **Army SGML Registry and Library.** The ASRL will be the repository for all Army SGML objects and constructs approved for Army use. SGML objects are elements, entities, attributes of elements, public identifiers, notations, and standard tagging schemes. SGML constructs are DTDs, FOSIs, and their fragments. Army-wide standardization of SGML objects and constructs facilitates reuse of data, reduces DTD development time, and allows more efficient source file tagging by using familiar markup rules. Administrative, training and doctrine, and technical equipment publication SGML objects and constructs will be maintained in, and obtained from, the ASRL. Access addresses for the ASRL are provided in A.

1.4.3 **SGML applications.** SGML, as applied pursuant to this standard, describes the logical structure and content of documents; assures automated quality control over adherence to that structure and content; provides for delivery and storage of publication text in an easily maintained and updatable form; and provides for vendor, software, and platform independence. More detail regarding SGML applications and requirements is provided in paragraph 4.4.

1.5 Tailoring of task, method, or requirement descriptions. SGML objects and constructs that have not successfully completed the ASRL registration and approval process may not be used for the development of Army publications. Tailoring of SGML objects and constructs is allowed when required to meet specific publications functional requirements. However, such tailoring must occur within the parameters of existing SGML objects and constructs. The processes for changing existing SGML objects and constructs, or creating new ones, are covered in 4.4.3.2.

1.6 Classification of Publications. Publication classifications within MIL-STD-2361 are based on the classes into which publications (document classes) have been grouped, and for which DTDs have been approved. A summary description of each of the DTDs approved for use in accordance with this standard are listed in this section. The DTD classifications provided by this standard are available through the ASRL for use in the development of Army publications. Requirements for the DTDs and tag description lists associated with this standard are located in Section 4., General Requirements and Section 5., Detailed Requirements. Instructions and guidance regarding access, download, and use of the DTDs are located in A.

1.6.1 **Administrative publications.** The Army currently uses SGML objects and constructs for administrative publication development. Future revisions of this standard will include the administrative publications SGML objects and constructs.

1.6.2 **Training and doctrine publications.** Training and doctrine publication SGML objects and constructs are currently under development. Future revisions of this standard will include the training and doctrine publication SGML objects and constructs.

1.6.3 **Technical and equipment publications.**

a. Technical Manual Assembly Information Module (MANUAL). The MANUAL DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-1. To assemble a complete manual with all of its required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-40051-1 and public entity PUBLIC "-//

USA-DOD//DTD 2361 TM Assembly Chapter REV 0 19960630//EN" for appropriate volume configurations.

b. General Information Module (GIM). The GIM DTD establishes the SGML structure and content tagging conventions for use with MIL-STD-40051-2. To assemble introductory information with theory of operation with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to MIL-STD-40051-1 and public entity PUBLIC "-//USA-DOD//DTD 2361 TM Theory Chapter REV 0 19960630//EN".

c. Operators Information Module (OPIM). The OPIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-3. MIL-STD-40051-3 does not cover requirements for the operation of aircraft. To assemble operator instructions with other required parts of the applicable TM (i.e., introductory information, troubleshooting, etc.) refer to MIL-STD-40051-1 and public entity PUBLIC "-//USA-DOD//DTD 2361 TM Operator Chapter REV 0 19960630//EN".

d. Troubleshooting Information Module (TIM). TheTIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-4. To assemble troubleshooting procedures with other required parts of the applicable TM (i.e., introductory information, maintenance, etc.) refer to MIL-STD-40051-1 and public entity PUBLIC "-//USA-DOD//DTD 2361 TM Troubleshooting Chapter REV 0 19960630//EN".

e. Maintenance Information Module (MIM). The MIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-5. To assemble maintenance instructions with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to MIL-STD-40051-1 and public entity PUBLIC "-//USA-DOD//DTD 2361 TM Maintenance Chapter REV 0 19960630//EN".

f. Repair Parts And Special Tool Lists (RPSTL) (PIM). The PIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-6. To assemble repair parts and special tools information with the other required parts of the applicable TM (i.e., introductory information, etc.), refer to MIL-STD-40051-1 and public entity PUBLIC "-//USA-DOD//DTD 2361 TM Parts Chapter REV 0 19960630//EN".

g. Supporting Information Module (SIM). The SIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-7. To assemble supporting (appendix) information with the other required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-40051-1 and public entity PUBLIC "-//USA-DOD//DTD 2361 TM Support Chapter REV 0 19960630//EN".

2. APPLICABLE DOCUMENTS.

2.1 General. The documents listed in this section are needed to meet the requirements specified in sections 4 and 5 of this standard. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements in the standards and specifications cited in sections 4.and 5. of this standard, whether or not they are listed in this section.

2.2 Government documents.

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

SPECIFICATIONS

DEPARTMENT OF DEFENSE

MIL-PRF-28001 - Markup Requirements and Generic Style Specification for Electronic Printed Output and Exchange of Text.

MIL-PRF-87268 - Manuals, Interactive Electronic Technical: General Content, Style, Format, and User-Interaction Requirements.

MIL-D-87269 - Data Base, Revisable: Interactive Electronic Technical Manuals, for the Support of.

STANDARDS

FEDERAL

FIPS-152 - Standard Generalized Markup Language (SGML).

(Copies of the Federal Information Processing Standards (FIPS) are available to Department of Defense activities from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. Others must request copies of FIPS from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161-2171.)

DEPARTMENT OF DEFENSE

MIL-STD-1840 - Automated Interchange of Technical Information.

MIL-STD-38784 - Standard Practice for Manuals, Technical: General Style and Format Requirements.

MIL-STD-40051 - Technical Manual Preparation.

(Unless otherwise indicated, copies of the above specifications, standards, and handbooks are available from Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

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

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

ISO 8879 - Standard Generalized Markup Language (SGML) (DoD adopted)

(Application for copies should be addressed to the Standardization Document Order Desk, 700 Robbins Ave., Building 4D, Philadelphia, PA 19111-5094, for issue to DoD activities only. All other requestors must obtain documents from the American National Standards Institute, 11 West 42nd Street, 13 Floor, New York, NY 10036.)

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

3. DEFINITIONS.

3.1 Definitions.

3.1.1 **Acronyms.** The following acronyms are used in this standard:

CALS	Continuous Acquisition and Life-Cycle Support
CSL	CALS SGML Library
DoD	Department of Defense
DODISS	Department of Defense Index of Specifications and Standards
DSSSL	Document Style Semantics and Specification Language
DTD	Document Type Definition
FOSI	Formatting Output Specification Instance
FPSI	Formatting Presentation Specification Instance
FPI	Formal Public Identifier

ISO	International Organization for Standardization
OS	Output Specification
PDL	Page Description Language
PS	Presentation Specification
PSI	Presentation Specification Instance
SGML	Standard Generalized Markup Language

3.1.2 ***Glossary.*** These definitions are for terms found in this standard, are based on those available in ISO 8879-1986, and are repeated here for convenience only. For the full set of formal SGML definitions, see ISO 8879-1986.

3.1.2.1 **Attribute (of an element).** A characteristic quality, other than element_type or content.

3.1.2.2 **Attribute Definition.** A member of an attribute definition list within an attribute list declaration. It declares an attribute name, specifies the form and SGML-specific aspects of possible values, and specifies the action (such as providing a default value) to be taken if an attribute's value is not specified. In the display under ATTRIBUTE (DEFINITION) LIST DECLARATION, each attribute definition is shown as: name_of_attribute allowable_values default.

3.1.2.3 **Attribute (Definition) List Declaration.** A markup declaration that associates an attribute definition list with one or more element types, shown as: <ATTLIST name_of_associated_element(s) name_of_attribute allowable_values default>

3.1.2.4 **Attribute (Specification) List.** Markup that is a set of one or more attribute specifications, shown as: attribute=value attribute=value attribute=value. The markup is used within a Start Tag, as in: <element_name attribute=value attribute=value attribute=value>.

3.1.2.5 **Declaration.** A markup declaration that assigns an SGML name to an entity so that it can be referenced, shown as: <!ENTITY entity_name entity_text>.

3.1.2.6 **Declaration Subset.** A delimited portion of a markup declaration in which other declarations can occur.

3.1.2.7 **Document Instance.** The instance is the actual document text and its accompanying SGML tags conforming to the specifications and restrictions set forth in the DTD.

3.1.2.8 **Document type declaration.** A markup declaration that contains the formal specifications of a document type
definition, shown as:

```
<!DOCTYPE document_type_name optional_external_identifier [
  optional_document_type_declaration_subset ]>
```

3.1.2.9 **Document Type Definition (DTD).** An abstract collection of rules, determined by an application, that apply SGML to the markup of documents of a particular type.

NOTE

"'DTD' is occasionally—but not in compliance with ISO 8879 terminology—used as an abbreviation for 'document type declaration'; it is also an SGML reserved word used in formal public identifiers to indicate that the identified entity is a document type declaration set, and is often used to identify such a set."

3.1.2.10 **Element.** A component of the hierarchical structure defined by a document type declaration. It is identified in a document instance by descriptive markup, usually a start-tag and end-tag, shown as: <element_type_name attribute=value attribute=value>content of the element</element_type_name>

3.1.2.11 **Element Type Declaration.** A markup declaration that contains the formal specification of the part of the definition of an element type that deals with the content and markup minimization, shown as: %lt;!ELEMENT

element_type_name start_tag_minimization end_tag_minimization content_model_group_or_declared_content content_exceptions>

3.1.2.12 **Entity.** A collection of characters or other data that can be referenced as a unit.

3.1.2.13 **Entity Reference.** A reference that is replaced by an entity, shown as: &entity_name; or %entity_name; the ampersand is used for general entities (referenced in the document element); the percent sign is used for parameter entities (typically referenced in the document type definition).

3.1.2.14 **Entity Set.** A set of entity (and comment) declarations that are used together.

3.1.2.15 **Formatting Output Specification Instance (FOSI).** An instance of the Output Specification (OS) that assigns values to the style characteristics for a particular document type definition. The FOSI uses the syntax of an SGML document instance and is designed to format documents for paper delivery.

3.1.2.16 **Formatting Presentation Specification Instance (FPSI).** An instance of the Presentation Specification (PS) that assigns values to the style characteristics for a particular document type definition. The FPSI uses the syntax of an SGML document instance and is designed to format documents for electronic or paper presentation.

3.1.2.17 **Interim document.** Interim or partial delivery of a technical publication that allows for Government review prior to final delivery.

3.1.2.18 **Legacy data.** Legacy data, for purposes of this standard, shall be defined as any data (paper or digital) that has not been SGML-tagged in compliance with the respective functional requirement standards or specifications, this standard, and MIL-PRF-28001.

3.1.2.19 **Output file.** A text presentation metafile developed through use of a page description language (PDL) is referred to as an output file.

3.1.2.20 **Output Specification (OS).** A finite set of style characteristics that convey formatting intent for interchange of publications coupled with a mechanism for binding the style characteristics to logical elements in an SGML document type definition. The OS uses the syntax of an SGML document type declaration.

3.1.2.21 **Presentation specification (PS).** A finite set of style characteristics to convey formatting intent for interchange of data to an electronic display medium coupled with a mechanism for binding the style characteristics to logical elements in an SGML document type definition. The PS uses the syntax of an SGML document type declaration.

3.1.2.22 **Standard Generalized Markup Language (SGML).** Standard Generalized Markup Language, as specified in ISO 8879, is a metalanguage that provides a coherent and unambiguous syntax for describing whatever a user chooses to identify within a document.

3.1.2.23 **SGML declaration.** A markup declaration that specifies the character set, concrete syntax, optional features, and capacity requirements of a document's markup. It applies to all of the SGML entities of a document.

3.1.2.24 **SGML Entity.** An entity whose characters are interpreted as markup or data in accordance with ISO 8879.

4. GENERAL REQUIREMENTS.

4.1 <u>Text markup</u>. Textual material prepared in accordance with this standard, shall be marked up (tagged) in a manner that conforms to ISO 8879 (SGML), MIL-PRF-28001, and this standard. SGML shall be used:

a. To describe the logical structure and content of Army publications in an unambiguous grammar.

b. To assure automated quality control over adherence to that structure (parsing).

c. To develop, deliver and store Army publications text in the most easily maintained and updated form (e.g., database).

4.1.1 **Source file delivery requirements.** Textual material marked up in accordance with this standard shall be referred to as a source file. A complete SGML-tagged source file(s) shall be a mandatory part of each

final product delivered in accordance with this standard. Delivery of the source file shall be in accordance with MIL-STD-1840, or as directed by the contracting activity.

4.1.2 **Support file delivery requirements.** When this section of the standard is cited by contract, delivery of DTD and FOSI (created in accordance with the DTD) support files shall be in accordance with paragraphs 4.2 and 4.3 of this standard, and in compliance with MIL-STD-1840 or the contract.

4.1.3 **Output file delivery requirements.** When this section of the standard is cited by the contract, delivery of an output file shall be as directed by the contracting activity.

4.1.4 **Interim document delivery requirements.** Interim deliverables, if required, shall be specified in the contract and may include a source file, output file, or other specified format.

4.2 Document structure. This section establishes requirements for SGML Document Type Definitions (DTD). A DTD shall be used to define the organization and logical structure of elements, entities, and attributes allowed in a particular document. It shall also be used to control automated processing functions (such as parsing) that support quality assurance requirements.

4.2.1 **MIL-STD-40051 conforming technical manuals.** Technical manuals developed in accordance with MIL-STD-40051 functional requirements, and this standard, shall conform to the document type declaration set defined in 4.4.9 of this standard, or as otherwise specified in the contract. The document type declaration specified in 4.4.9 need not be delivered with the tagged text, but shall be cited by its public identifier.

4.3 Output Specification (OS) and Formatting Output Specification Instance (FOSI). The OS provides a set of formatting characteristic values used to rigorously describe composition processing functions to be performed on the elements of a text document to provide the format style required by a functional specification or standard, such as MIL-STD-40051. A Formatting Output Specification Instance (FOSI) delivered with the document shall contain values of characteristics for every tag used in the DTD, in every context in which the tag has a unique formatting requirement, and with its attributes if they affect the formatting.

4.3.1 **Conforming technical publications.** Publications encoded in SGML in accordance with this standard, to functional requirements of specifications or standards identified in 1.3.1 or 1.3.2, shall be accompanied by a FOSI or style sheet which is compatible with the DTD, and which incorporates the requirements for output format and style stated in the controlling specification or standard.

4.3.2 **Output files.** An output file may be specified by the contract as an interim deliverable (that is, a deliverable prior to final delivery of the SGML-tagged source file) (see paragraph 6.2). An output file may also be specified by the contract as a final deliverable in addition to (but not as a substitute for) the SGML tagged source file.

4.4 Detailed SGML applications and requirements.

4.4.1 **General.** Conforming SGML applications shall contain: document type declaration, DTD, document instance, and FOSI or FPSI.

4.4.2 **Document type declaration.** The document type declaration shall conform to ISO 8879, MIL-PRF-28001, and this standard, and reference a contractually specified DTD (see Appendix A) with a formal public identifier (see paragraph 4.4.3.4).

4.4.3 **Document Type Definition (DTD).** A DTD shall conform to ISO 8879, the SGML Declaration in paragraph 4.4.9, and this standard.

4.4.3.1 **SGML object and construct reuse.** DTDs used for development of Army publications pursuant to this standard, shall contain Army-approved standard SGML objects and constructs as defined by this standard. Army-approved SGML objects and constructs shall be obtained from the ASRL for use in development of all Army publications developed using SGML.

4.4.3.2 **SGML Object and Construct Registration.** When specified in the contract or other form of agreement (see paragraph 6.2), SGML object and construct requirements for the definition of a document, or class of documents, structure and content that are not covered by Army-approved SGML objects and constructs in the ASRL, shall be submitted to the ASRL for approval .

4.4.3.3 **SGML Object and Construct Access.** Access to Army-approved SGML objects and constructs shall be obtained through the ASRL. Procedures for access to the ASRL are contained in Appendix A.

4.4.3.4 **Formal public identifier (FPI).** A completed DTD shall have a formal public identifier (FPI) conforming to ISO 8879 and this standard. The FPI shall define a specific version of a completed DTD. A FPI shall not identify more than one DTD, or more than one version of a DTD. Formal public identifiers such as "-//USA-DOD//DTD EXAMPLE MIL-HDBK-28001//EN" shall have the following characteristics:

a. A registered owner identifier. For the DoD, this will be the dash or minus sign (-)

b. An owner identifier, for all DoD components, this shall be "USA-DOD" entered without the quotation marks.

c. A minimal description (called the "public text description" in ISO 8879), divided into two sections:

   1. Public text class - This is an SGML construct listed in ISO 8879. In the example, the public text class is "DTD".

   2. Public text description - A short description of the object being identified. In the example, the public text description is "EXAMPLE MIL-STD-2361".

d. A two character language code. In the example, the two character code is "EN."

4.4.4 **Document instance.** The document instance shall conform to ISO 8879, this standard, and the contractually specified DTD.

4.4.4.1 **SGML Tagging.** There are generally two methods used in SGML to tag documents: structure tagging and content tagging. The method applied to a particular application will depend on the tagging organizations goals and the applications for which the information is created. Publications developed or acquired IAW this standard shall be tagged in accordance with the requirements contained in this standard and the requirements of the tagging organization implementation guidance.

a. Structure tagging. Structure tagging is used to model and encode publications information according to the structure or format of a document or class of documents. Structure tagging is included as part of the tagging conventions of this standard and shall be used in conjunction with content tagging, to the maximum extent possible, for the acquisition and development of publications.

b. Content tagging. Content tagging is the cornerstone of the MIL-STD-2361 philosophy for data reuse and sharing. Content tagging shall be used to identify document components by the functional nature of the information contained in the respective components (e.g., maintenance tasks, troubleshooting tasks, etc.).

c. Army publications developed or acquired IAW this standard shall combine structure and content tagging, to the maximum extent possible, to ensure the highest levels of effectiveness and usefulness of the document instance. Publications development shall include the application of generic structure tags, such as ***<title>*** and ***<para>***, when these elements are part of the content model of a content tag. For example, a military specification may state that the body of a document must contain a maintenance chapter, an assembly chapter, and an undetermined number of chapters in that specific order. Elements such as maintenance, assembly, and chapter can be used to provide the content and structure requirements. The element declarations can be written as follows:

```
<!ELEMENT body - - (maint, assem, chapter+)>

<!ELEMENT (maint | assem | chapter) - - (title, section+)>
```

This allows the content to be defined explicitly for the maintenance and assembly chapter while still allowing multiple non-content specific chapters to be defined. All of the example chapters have the same content model.

4.4.4.2 **Content tagging.** Each of MIL-STD-40051 content parts is comprised of a similar structure. The top level is an information tag, such as ***<gim>***, ***<opim>***, ***<mim>***, ***<tim>***, ***< pim>***, or ***<sim>*** (see paragraph 1.6.3). These top-level tags contain specialized sets of work package elements that are, in some cases,

unique to the respective chapters, while, in other cases, common to one or more of chapters. For example, maintenance chapter *<mim>* can contain work packages comprised of elements that are unique to that chapter, such as service upon receipt work packages (*<surwp>*), preventive maintenance work packages (*<pmcswp>*), maintenance instruction work packages (*<maintwp>*), etc. MIL-STD-2361 has assembled elements that are common to one or more chapters into element subsets that can be invoked by the information chapter DTD being used. The top level chapter tag shall be used for building one or more work packages.

4.4.4.2.1 **Work package unique number.** A unique number shall be assigned to each work package and shall not be changed throughout the life of the work package. This number shall appear flush right, opposite the title. The work package unique number shall be developed in accordance with the functional requirements standard or specification (e.g., MIL-STD-40051) and this standard.

4.4.4.2.2 **Work package content.** Work packages shall contain information, as required by the functional requirements standard or specification, such as the following:

a. Scope of tasks.
b. Initial setup.
c. Tasks (e.g., maintenance tasks, training tasks, etc.).
d. Paragraphs.
e. Procedures.
f. Steps.
g. Tables.
h. Lists.
i. Warnings, cautions, and notes.
j. Figures.
k. Illustrations.

4.4.5 **Formatting Presentation Specification Instance (FPSI).** When electronic presentation of SGML data is required, the presentation specification (PS) in MIL-PRF-28001 shall be used to prepare a Formatting Presentation Specification Instance (FPSI). The PS is designed primarily for electronic display of data, however, it may be used to prepare documents in a paper format as well. The PS shall not be used to prepare formatting instances exclusively for paper documents. A FPSI shall conform to the PS in MIL-PRF-28001 and ISO 8879-1986. A FPSI shall specify a layout object for each unique frame, screen, or page. Layout object characteristics shall be as specified in the contract or other form of agreement. Presentation characteristics of every displayable element declared in the source DTD shall be specified in the FPSI. Values for presentation characteristics shall be as specified in the contract (see paragraph 6.2). The inheritance of presentation characteristics for elements within the content model of the source DTD shall be as specified in the PS.

4.4.6 **Notation declarations.** A notation declaration shall identify a data content notation used within the document. The notation is used in the accompanying application to identify drawings or illustrations which are non-SGML data (NDATA), such as Initial Graphics Exchange Specification (IGES), Computer Graphics Metafile (CGM), Consultative Committee for International Telegraphy and Telephony (CCITT) Group 4, and others. Unless otherwise specified, notation declarations used in DTDs, FOSIs, and FPSIs developed to this standard shall be those contained in the appropriate detail specification.

4.4.7 **Special features.** Special features shall be defined as specified in the contract or other form of agreement. Examples of special features include requirements for start tags, processing insturctions, manual or automatic numbering and in-text references to numbered items, table handling, additional ISO 8879 features (e.g., SHORTTAG, CONCUR).

4.4.8 **Conformance.** When required in the contract or other form of agreement (see 6.2), each SGML document instance shall be subjected to conformance inspection (parsing) in accordance with the contract or other form of agreement.

4.4.9 **SGML declaration.** The following SGML Declaration declares the character set, syntax, quantities, capacities, scope, and features of SGML. Unless otherwise specified, this declaration shall be used when

interchanging SGML documents under this standard. The quantities and capacities have been increased from the reference quantity and capacity sets in ISO 8879 and MIL-PRF-28001 to enable Army DTDs and tagged instances to parse without errors or warnings. If the number of ID or IDREFS in an instance or a DTD becomes so large that increased quantities or capacities are required, the declaration quantities or capacities may be increased (see paragraph 6.2). The features in this declaration shall not be changed. If the declaration is modified, the modified declaration shall be included as part of the MIL-STD-1840 SGML Transfer Unit or contract designated delivery procedure.

The SUBDOC feature has been set to "YES" in this declaration. DTD developers should exercise care in their utilization of this feature. SUBDOC is an optional feature within SGML and not all systems support SUBDOC. If SUBDOC is used, the declaration will not allow more than two sub documents to be opened at the same time.

```
<!SGML "ISO 8879:1986"
CHARSET
BASESET
"ISO 646:1983//CHARSET International Reference Version (IRV)//ESC 2/5 4/0"
DESCSET                 0       9       UNUSED
                        9       2         9
                       11       2       UNUSED
                       13       1        13
                       14      18       UNUSED
                       32      95        32
                      127       1       UNUSED

BASESET
"ISO Registration Number 100//CHARSET ECMA-94 Right Part of Latin Alphabet
Nr. 1//ESC 2/9 4/1"

DESCSET               128      32       UNUSED
                      160       5         32
                      165       1       UNUSED
                      166      88         38
                      254       1        127
                      255       1       UNUSED
CAPACITY                SGMLREF
TOTALCAP               1000000
ENTITYCAP               300000
ELEMCAP                 300000
GRPCAP                  300000
EXGRPCAP                300000
EXNMCAP                 300000
ATTCAP                  300000
AVGRPCAP                300000
IDCAP                   300000
IDREFCAP                300000
SCOPE                  DOCUMENT

SYNTAX
SHUNCHAR CONTROLS 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
                  18 19 20 21 22 23 24 25 26 27 28 29 30 31 127 255
```

```
BASESET "ISO 646:1983//CHARSET International Reference Version (IRV)//ESC 2/5 4/0"

DESCSET        0              128                    0
FUNCTION       RE                                   13
               RS                                   10
               SPACE                                32
               TAB                   SEPCHAR         9
NAMING         LCNMSTRT              ""
               UCNMSTRT              ""
               LCNMCHAR              "-."
               UCNMCHAR              "-."
               NAMECASE              GENERAL                YES
                                     ENTITY                 NO
DELIM          GENERAL               SGMLREF
               SHORTREF              NONE
               NAMES                 SGMLREF

QUANTITY   SGMLREF             ATTCNT                   400
                               ATTSPLEN              960000
                               ENTLVL                  1600
                               GRPCNT                   320
                               GRPGTCNT                 960
                               GRPLVL                  1600
                               LITLEN                240000
                               NAMELEN                   32
                               TAGLEN                960000
                               TAGLVL                   240
FEATURES
MINIMIZE   DATATAG   NO   OMITTAG   YES    RANK  NO    SHORTTAG   NO
LINK       SIMPLE    NO   IMPLICIT   NO    EXPLICIT    NO
OTHER      CONCUR    NO   SUBDOC    YES 2  FORMAL      YES
APPINFO     NONE >
```

5. DETAILED REQUIREMENTS

5.1 Technical and Equipment Publications.

5.1.1 **Technical Manuals (TM).** Technical manuals shall be developed using the technical content requirements contained in MIL-STD-40051 and the DTD, FOSI, and tagging requirements contained in paragraphs 5.1.1.1 thru 5.1.1.9, below.

5.1.1.1 **Technical Manual Assembly Information Chapter (Manual).**

5.1.1.1.1 **Purpose.** This section establishes the SGML requirements for the Army technical manual production and assembly information for paper and digital page-oriented Army TMs, revisions, and changes in SGML.

5.1.1.1.2 **Support information.** The following support information is provided to assist in the production and assembly of Army TMs in SGML.

a. The Manual DTD in Appendix A has been developed IAW the assembly information instructions requirements in MIL-STD-40051. Each element in the Manual DTD is accompanied by its associated attributes. Where possible, the content models for the elements are conforming to MIL-PRF-28001 elements.

b. The Manual tag description list in Appendix B will be used to identify the definition and description of each SGML element and it's associated attributes.

5.1.1.2 **General Information with Theory of Operation Chapter (GIM).**

5.1.1.2.1 **Purpose.** This section establishes the SGML requirements for the preparation of introductory information and theory of operation for paper and digital page-oriented Army TMs, revisions, and changes.

5.1.1.2.2 **Support information.** The following support information is provided to assist in the development of introductory information with theory of operation for Army TMs in SGML.

a. To assemble introductory information with theory of operation (work packages) with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the production DTD requirements in 5.1.1.1, and the Manual DTD in Appendix A.

b. The GIM tag description list in Appendix B and in Appendix C will be used to identify the definition and description of each SGML element and it's associated attributes.

c. Functional requirements applicable to specific maintenance levels are noted throughout the text of MIL-STD-40051 in bold and in parentheses, i.e., **(depot only)**, and the SGML requirements for each of the levels are addressed in the GIM DTD resident in the ASRL. Access methods for the ASRL are in Appendix A. The labelled requirements in MIL-STD-40051 and the corresponding SGML requirements in this standard shall be applicable to all TMs containing the designated maintenance level(s).

d. The GIM DTD in Appendix A contains a listing of boilerplate text entities for use in the development of maintenance manuals. The DTD allows for modification of the text associated with the boilerplate if authorized by the contracting activity.

e. To assemble general information and theory of operation instruction information with the other required parts of the applicable TM (i.e., maintenance, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.3 **Operator's Instruction Information Chapter (OPIM).**

5.1.1.3.1 **Purpose.** This section establishes the SGML requirements for the preparation of equipment operators instructions (other than aviation) for paper and digital page-oriented Army TMs, revisions, and changes.

5.1.1.3.2 **Support information.** The following support information is provided to assist in the development of operator instructions information for maintenance manuals in SGML.

a. The OPIM DTD in Appendix A has been developed IAW the operator instructions requirements in MIL-STD-40051. Each element definition in the OPIM DTD is accompanied by its associated attributes. Where possible, the content models for the elements are conforming to MIL-PRF-28001 elements.

b. The OPIM tag description list in Appendix B and in Appendix C will be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble operator's instruction information with the other required parts of the applicable TM (i.e., maintenance, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.4 **Troubleshooting Information Chapter (TIM).**

5.1.1.4.1 **Purpose.** This section establishes the SGML requirements for the preparation of troubleshooting procedures for paper and digital page-oriented Army TMs, revisions, and changes.

5.1.1.4.2 **Support information.** The following support information is provided to assist in the development of troubleshooting information for maintenance manuals in SGML.

a. The TIM DTD in Appendix A has been developed IAW the troubleshooting instructions requirements in MIL-STD-40051. Each element definition in the TIM DTD is accompanied by its associated attributes. Where possible, the content models for the elements are conforming to MIL-PRF-28001 elements.

b. The TIM tag description list in Appendix B and the common tags in Appendix C will be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble troubleshooting instruction information with the other required parts of the applicable TM (i.e., general information, maintenance, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.5 **Maintenance Information Chapter (MIM).**

5.1.1.5.1 **Purpose.** This section establishes the SGML requirements for the preparation of maintenance information for paper and digital page-oriented Army TMs, revisions, and changes in SGML.

5.1.1.5.2 **Support information.** The following support information is provided to assist in the development of maintenance information for maintenance manuals in SGML.

a. The MIM DTD in Appendix A has been developed IAW the maintenance instructions requirements in MIL-STD-40051. Each element in the MIM DTD is accompanied by its associated attributes. Where possible, the content models for the elements are conforming to MIL-PRF-28001 elements.

b. The MIM tag description list in Appendix B and the common tags in Appendix C will be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble maintenance information with the other required parts of the applicable TM (i.e., general information, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.6 **Repair Parts and Special Tool Lists (RPSTL) Information Chapter (PIM).**

5.1.1.6.1 **Purpose.** This section establishes the SGML requirements for the preparation of RPSTL information for paper and digital page-oriented Army TMs, revisions, and changes in SGML.

5.1.1.6.2 **Support information.** The following support information is provided to assist in the preparation of RPSTL information for Army maintenance manuals in SGML.

a. The PIM DTD in Appendix A has been developed IAW the RPSTL instructions requirements in MIL-STD-40051. Each element in the PIM DTD is accompanied by its associated attributes. Where possible, the content models for the elements are conforming to MIL-PRF-28001 elements.

b. The PIM tag description list in Appendix B and the common tags in Appendix C will be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble RPSTL information with the other required parts of the applicable TM (i.e., general information, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.7 **Supporting Information Chapter (SIM).**

5.1.1.7.1 **Purpose.** This section establishes the SGML requirements for the preparation of supporting information for paper and digital page-oriented Army TMs, revisions, and changes in SGML.

5.1.1.7.2 **Support information.** The following information is provided to assist in the preparation of supporting information for maintenance manuals in SGML.

a. The SIM DTD in Appendix A has been developed IAW the supporting information instructions requirements in MIL-STD-40051. Each element in the SIM DTD is accompanied by its associated attributes. Where possible, the content models for the elements are conforming to MIL-PRF-28001 elements.

b. The SIM tag description list in Appendix B and the common tags in Appendix C will be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble supporting information with the other required parts of the applicable TM (i.e., general information, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.8 **Aircraft Operatior's Instruction and Checklist Information Chapter (PILOT-IM).**

5.1.1.8.1 **Purpose.** This section establishes the SGML requirements for the preparation of aircraft operatior's instruction and checklist information for paper and digital page-oriented Army TMs, revisions, and changes in SGML.

5.1.1.8.2 **Support information.** The following support information is provided to assist in the development of aircraft operatior's instruction and checklist information in SGML.

a. The PILOT-IM DTD in Appendix A has been developed IAW the aircraft operator's instructions requirements in MIL-M-63029 (AV). Each element in the PILOT—IM DTD is accompanied by its associated attributes. Where possible, the content models for the elements are conforming to MIL-PRF-28001 elements.

b. The PILOT-IM tag description list in Appendix B and the common tags in Appendix C will be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble aircraft operator's TMs, refer to the document assembly requirements in MIL-M-63029 (AV), the Manual DTD requirements in 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.9 **Preparation of Aircraft for Shipment Chapter (SHIPIM).**

5.1.1.9.1 **Purpose.** This section establishes the SGML requirements for the development of preparation of aircraft for shipment information for paper and digital page-oriented Army TMs, revisions, and changes in SGML.

5.1.1.9.2 **Support information.** The following support information is provided to assist in the development of preparation of aircraft for shipment information in SGML.

a. The SHIPIM DTD in Appendix A has been developed IAW the preparation of aircraft for shipment instructions requirements in MIL-M-63005 (AV). Each element in the SHIPIM DTD is accompanied by its associated attributes. Where possible, the content models for the elements are conforming to MIL-PRF-28001 elements.

b. The SHIPIM tag description list in Appendix B and the common tags in Appendix C will be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble preparation of aircraft for shipment TMs, refer to the document assembly requirements in MIL-M-63005 (AV), the Manual DTD requirements in 5.1.1.1, and the Manual DTD in Appendix A.

6. NOTES

6.1 **Intended use.** The use of DTDs and FOSIs will allow preparation of documents in an automated support environment using any or all of the following processes:

a. Creation of a document type declaration or DTD for publication control, if one does not already exist.

b. Creation of a FOSI or FPSI, if one does not already exist, to specify the formatting to be applied to documents conforming with the document type declaration.

c. Authoring a publication and inserting SGML markup tags.

d. Verification of correct syntax according to SGML rules.

e. Use of a FOSI or FPSI and a document type declaration to direct the composition of the document so that the produced (printed or displayed) copy corresponds to the proper format and style.

f. Electronic review of a document, using SGML for comments.

g. Generation of a text presentation metafile in a page description language (PDL) to drive the display device, such as a printer or typesetter.

6.2 Acquisition requirements. Acquisition documents should specify the following:

a. Title, number, and date of the document.

b. Issue of the DODISS to be cited in the solicitation, and, if required, the specific issue of individual documents referenced (see 2.2.1 and 2.3).

c. Statement regarding mandatory use of standard SGML objects and constructs from theASRL pursuant to paragraph 4.4.3.1.

d. Statement regardinion of new SGML objects and constructs to the ASRL as candidates for registration and inclusion in the ASRL (see 4.4.3.2).

e. Values of presentation characteristics (see 4.3).

f. Use of notation declarations not in a detail specification (see 4.4.6).

g. Special features (see 4.4.7).

h. Guidance regarding conformance inspections, parsing, or other qualification requirements (see 4.4.8.)

MIL-STD-40051, MIL-M-63005 (AV), and MIL-M-63029 (AV) provide additional information to assist acquisition personnel in determining the options that may need to be placed in the contract or other form of agreement.

6.2.1 **Source file delivery.** The DTDs in AppendixA provide the tools to accomplish paragraph 6.1, steps a., b., and c. above, the result of which is a compete publication source file, or input file, together with a document type declaration support file. Delivery requirements for source files are in 4.1.1. It is the source file to which all subsequent changes and updates must be made to maintain the technical publication throughout its operational life. Therefore, the source file is a mandatory final deliverable when this standard is cited in the contract. Source files containing either the complete text of the technical publication, or portions of the text, may be delivered as interim products. Through the use of the SGML declaration, the document type declaration, the tag descriptions, the output specification, and a FOSI, the delivered source file will contain the complete intelligence required for subsequent processing.

6.2.2 **Support file delivery.** An SGML document type declaration is used in paragraph 6.1, steps a., b., and c. above. Formatting Output Specification Instances (FOSI) provide output styles and formatting specifications used to accomplish step e.in paragraph 6.1 in the document preparation process. The document type definition and the FOSI are support file delivery requirements which are in paragraph 4.1.2. If a public document type definition set is used as publicly defined, has been approved as an Army standard, and is resident in the ASRL, it need only be cited with the delivery. However, the text of the document type definition set support file will be delivered with the source file when the technical publication does not conform to the requirements of public document type definition sets identified in Appendix A, and be accompanied by a request for SGML Object and Construct registration approval to the ASRL. A complete FOSI will be delivered with every source file until publicly identified FOSIs are available.

6.2.3 **Output file delivery.** Step g (paragraph 6.1) in the document preparation process requires use of a page description language (PDL) to produce an output file, sometimes called a text presentation metafile, to drive an output device such as a printer. Delivery requirements for output files are in paragraph 4.1.3.

6.2.4 **Illustration files.** This standard provides the tags by which raster or vector illustration files can be referenced in the source file, and incorporated in the final composed technical publication document. Preparation requirements for technical publication illustration files are addressed in MIL-STD-1840. Delivery requirements for technical publication illustration files are also in MIL-STD-1840.

6.2.5 **Tables.** Tables are typically included as SGML-tagged text in the source file. The definition of the table may be explicitly included in the document instance or may be included through the use of an entity reference to an external or internal table definition. If an external entity is used, it may be one that is publicly

identified in Appendix A, or one that is created for use with a particular document instance known as a SYSTEM external entity. A publicly identified entity need not be submitted with a MIL-STD-1840-compliant deliverable, although it must be cited in the document type definition submitted with the document instance. A SYSTEM external entity declaration will be submitted with the MIL-STD-1840-compliant deliverable. When using a document type definition from Appendix A , tables can also be delivered as illustration files (using the graphic element type) where preparation requirements make this alternative more cost effective, or where preparation requirements exceed the capability of the markup tags in Appendix A. Delivery of tables as separate illustration files seriously limits their utility for additional processing, and is discouraged.

6.2.6 **Hardcopy and softcopy application.** The delivery options in this standard (see paragraph 6.2.2, 6.2.3, 6.2.4, and 6.2.5) should be applied based on an analysis of how the information is to be used. For example, an output (PDL) file can be used for both electronic publishing of hardcopy and electronic softcopy display, but it cannot support interactive retrieval as can an SGML-tagged text source file.

6.3 **Application of non-Government standards.** Current national and international non-Government standards do not adequately address all seven steps of the publication preparation process (see paragraph 6.1). ISO 8879 addresses steps a. and c.. ISO 10180 supports step g.. No approved national or international standards exist to support steps b. and e.. ISO 10179 covers the Document Style Semantics and Specification Language (DSSSL) and is being reviewed as a possible replacement for the output specification. As work matures in these areas, this standard will be extended to define their implementation and application within DOD. In the interim, MIL-STD-2361 FOSIs, available in the ASRL, will be used to satisfy the requirements of steps b. and e. of the publication preparation process listed in 6.1.

6.4 **Publication management and processing considerations.**

6.4.1 **Army publication management considerations.** This standard provides the Government and contractor publications manager with tools to be used in determining if a given document is in or out of conformance with this standard, the governing functional requirements (MIL-STD-40051, etc.), or contracting activity direction.

6.4.1.1 **Use of document type definitions.** The appropriate MIL-STD-2361 SGML DTD provides a basis for electronically preparing a given publication, and then determining whether the document conforms to the logical constructs within the DTD (i.e., parsing). A syntactic analysis is made by parsing the document. Parsing will verify whether or not the string of tokens conforms to the grammar.

6.4.2 **Processing system considerations.** The processing system is a tool of the author and the publication manager. The processing system should ensure the authority of the manager to:

a. Determine whether document corrections are warranted.

b. Set an orderly plan and schedule for such correction.

c. Abrogate the authors authority over interpretation of contract requirements for content, style, and format unless expressly authorized by the publication manager.

6.4.2.1 **Source file configuration control.** Ideally, the processing system should have the capability to utilize the SGML-tagged source file (plus illustration files) as input to the subsequent composition and output processes. However, this is not a requirement, and intermediate files may be used. Configuration control of changes to either intermediate or output files is necessary, since the final deliverable product is the SGML-tagged source file. All system processing should be governed by the following rule: When corrections are made to a working, intermediate, or output file, corrections must be incorporated in the source file which is the primary final deliverable product under the contract.

6.4.2.2 **Spell checking and hyphenation.** Requirements for spell checking and hyphenation may be specified in the contract. Since processing systems may differ in the way they treat these subjects, users should not expect consistent treatment across system boundaries unless specific requirements are established in advance.

6.4.2.3 **Processing instructions.** Processing instructions are a tool provided by SGML to handle unique or unusual conditions. Their use is discouraged, but not disallowed, because it is recognized that in some situations processing instructions are a necessary part of document processing. They are usually system-unique

and are ignored by an SGML parser, precluding all control except cursory syntax checks unless additional processing system software is used. Their use or exclusion should be controlled by contract restrictions.

6.4.2.4 **Data acceptance.** *This standard does not address data acceptance at the content level.* The contract should define the acceptance requirements (Refer to MIL-STD-40051for acceptance of content requirements), require data acceptance procedure(s), and specify who, where and by whom the data acceptance procedures will be implemented

6.5 **Technical publication data requirements.** When this standard is cited in a contract, a contract exhibit will be prepared to fully describe statement of work criteria and delivery instructions, and cite this and any other applicable standards and specifications. The publications will be acquired by a separate Contract Line Item Number (CLIN) in the contract.

6.6 **Subject term (key word) listing.** The following subject terms (key words) are applicable:

Publishing, Electronic
Standard Generalized Markup Language (SGML)
Tagging, Generic
Document Type Definition (DTD)
Formatting Output Specification Instance (FOSI)
Output Specification (OS)
Presentation Specification (PS)
Maintenance
Operator
Troubleshooting
General information
Theory of operation
Supporting information
Assembly
Manual
Work package
Information module
Information chapter
Army SGML Registry and Library (ASRL)
SGML objects and constructs

Technical Manual (TM) Document Type Definitions (DTD)

A.1 **Scope.** This appendix contains abstracts for the conforming MIL-STD-2361 Technical Manual (TM) Document Type Definitions (DTD) and Formal Public Identifiers (FPI) for their sub-elements. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance. The MIL-STD-2361 DTDs shall be obtained from the Army SGML Registry and Library (ASRL) by the following means:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

b. Bulletin Board System (BBS): Toll free telephone (888) 880–ASRL.

c. U.S. Mail: Requested files will be mailed on 3.5" DOS formatted diskettes or on 1/4" UNIX tar formatted tape. Requests may be submitted as follows:

- Written request:
  Commander, USAPPC
  ATTN: SAIS-PRP-PS
  2461 Eisenhower Avenue
  Alexandria, VA 22331
- Telephone request:
  Commercial: (703) 428–0508 or 0504
  DSN: 328–0508 or 0504

A.1.1 **Application.** The DTDs contained in this appendix, with the exception of Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) DTD and Preparation of Aircraft for Shipment Information Chapter (SHIPIM) DTD, apply to the technical manuals prepared in accordance with this standard and MIL-STD-40051. Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) DTD and Preparation of Aircraft for Shipment Information Chapter (SHIPIM) DTD may be applied to pilots manual and checklist and aircraft shipping manuals. Data prepared in conformance with these requirements will facilitate the automated storage, retrieval, interchange, and processing of TMs from multiple and different sources, and allow the reuse of common data among multiple products and on different media.

A.1.2 **Conformance.** The conforming DTDs contained in this standard, with the exception of Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) DTD and Preparation of Aircraft for Shipment Information Chapter (SHIPIM) DTD, were developed by rigidly interpreting the structure, content, and style requirements of MIL-STD-40051, and are a logical extension of the requirements contained in MIL-PRF-28001. TM preparers, and any other users of these DTDs, shall not deviate from the structure, content, or style requirements of these standards. The DTDs for Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) and Preparation of Aircraft for Shipment Information Chapter (SHIPIM) reflect the requirements contained in MIL-M-63005 (AV), and MIL-M-63029 (AV). These DTDs are available for use by TM developers but are not mandatory. The DTDs may be obtained through the ASRL as described in paragraphA.1, above.

A.2 **Applicable Documents.** Refer to Section 2.

A.3 **General Preparation and Assembly Information Chapter (Production) DTD.**

A.3.1 **Abstract.** This abstract is for: DTD %production; -//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for General Preparation and Assembly Information chapter found in MIL-STD-2361 and MIL-STD-40051. The following paragraph(s) describe the requirements for the assembly of a complete manual.

This specification includes instructions for the development of front and back matter and TM assembly information for each level of maintenance and combinations thereof. For example, TM assembly instructions are given for an operator's manual (-10), a combined operator's/unit maintenance manual (-12), a unit maintenance manual (-20), a combined unit/direct support maintenance manual (-23), etc.

To assemble a complete manual with all of its required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-2361 and TM Requirements Matrix in MIL-STD-40051 for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.3.2 **Document Type Definition (DTD).** The formal public identifier for the DTD is "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN". See A.1 for information regarding how to obtain the DTD.

A.3.3 **Elements.** The formal public identifier for the product.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Assembly REV 0 19960630//EN".

A.4 **Introductory Information with Theory of Operation Information Chapter (GIM) DTD.**

A.4.1 **Abstract.** This abstract is for: DTD %gim; -//USA-DOD//DTD 2361 TM Theory Chapter REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for Introductory Information with Theory of Operation Information chapter found in MIL-STD-2361 and MIL-STD-40051. The following paragraph(s) describe the requirements for the general information portion of a manual.

This specification establishes the technical content requirements for the preparation of introductory information with theory of operation for Technical Manuals (TM), revisions, supplements, and changes. Requirements for functional and physical descriptions of the major equipment, components, and applicable interface equipment are provided. Manuals covered by this specification include maintenance manuals (all levels), Preventive Maintenance Services (PMS), and Phased Maintenance Inspection (PMI), and Maintenance Test Flights (MTF).

To assemble introductory information with theory of operation with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to MIL-STD-2361, public identifier entity "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN", and TM Requirements Matrix in MIL-STD-40051 for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.4.2 **Elements.** The formal public identifier for the gim.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Theory Chapter REV 0 19960630//EN"

A.5 **Operators Instruction Information Chapter (OPIM) DTD.**

A.5.1 **Abstract.** This abstract is for: DTD %opim; -//USA-DOD//DTD 2361 TM Operator Chapter REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for Operators Instruction Information chapter found in MIL-STD-2361 and MIL-STD-40051. The following paragraph(s) describe the requirements for the operator instructions portion of a manual.

This specification establishes the technical content requirements for the preparation of operator instructions for Technical Manuals (TMs), revisions, supplements, and changes. Requirements describe the safe and efficient operation of the weapon system/ equipment authorized for the operator/crew. Manuals covered by this specification include maintenance manuals (all levels) and Maintenance Test Flights (MTF).

This specification does not cover requirements for the operation of aircraft. To assemble operator instructions with other required parts of the applicable TM (i.e., introductory information, troubleshooting, etc.) refer to MIL-STD-2361, public entity "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN", and TM Requirements Matrix in MIL-STD-40051 for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.5.2 **Elements.** The formal public identifier for the opim.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Operator Chapter REV 0 19960630//EN"

A.6 **Troubleshooting Procedures Information Chapter (TIM) DTD.**

A.6.1 **Abstract.** This abstract is for: DTD %tim; -//USA-DOD//DTD 2361 TM Troubleshooting Chapter REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for Troubleshooting Procedures Information chapter found in MIL-STD-2361 and MIL-STD-40051. The following paragraph(s) describe the requirements for the troubleshooting portion of a manual.

This specification establishes the technical content requirements for the preparation of troubleshooting procedures Technical Manuals (TMs), revisions, supplements, and changes. Requirements for preparing all information needed by user personnel for performing all required troubleshooting through all applicable levels

of maintenance are covered. Troubleshooting procedures that require a minimum of time are prepared for equipment, systems, and weapon systems prescribed by the Logistics Support Analysis (LSA)/Maintenance Allocation Chart (MAC). Troubleshooting procedures contain information to help the operator/technician recognize, find the cause, and correct the trouble in the equipment and auxiliary equipment.

To assemble troubleshooting procedures with other required parts of the applicable TM (i.e., introductory information, maintenance, etc.) refer to MIL-STD-2361, public identifier entity "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN", and TM Requirements Matrix in MIL-STD-40051 for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.6.2 **Elements.** The formal public identifier for the tim.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Troubleshooting Chapter REV 0 19960630//EN"

A.7 **Maintenance Instructions Information Chapter (MIM) DTD.**

A.7.1 **Abstract.** This abstract is for: DTD %mim; -//USA-DOD//DTD 2361 TM Maintenance Chapter REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for Maintenance Instructions Information chapter found in MIL-STD-2361 and MIL-STD-40051. The following paragraph(s) describe the requirements for the maintenance instructions portion of a manual.

This specification establishes the technical content requirements for the preparation of maintenance instructions for Technical Manuals (TMs), revisions, supplements, and changes. Requirements are provided for all information needed by user personnel for performing all required operator (-10), unit (-20), Aviation Unit Maintenance (AVUM), Direct Support (DS) (-30), Aviation Intermediate Maintenance (AVIM), General Support (GS) (40), and/or depot level (overhaul) maintenance on equipment, systems, and weapon systems (including ammunition and auxiliary equipment) prescribed by the Logistics Support Analysis (LSA)/Maintenance Allocation Chart (MAC) and the Source, Maintenance, and Recoverability (SMR) codes. Maintenance instructions that enable the user of this portion of the manual to receive, process, clean, service, operate, test, repair, inspect, and return to an acceptable performance standard all components of the equipment in a minimum of time with the skills, tools, test equipment, and spare parts authorized by the LSA/MAC are covered. Manuals covered by this specification include maintenance manuals (all levels), Maintenance Test Flight (MTF), Preventive Maintenance Services (PMS), and Phased Maintenance Inspection (PMI).

To assemble maintenance instructions with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to MIL-STD-2361, public identifier entity "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN", and TM Requirements Matrix in MIL-STD-40051 for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.7.2 **Elements.** The formal public identifier for the mim.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Maintenance Chapter REV 0 19960630//EN"

A.8 **Repair Parts and Special Tool Lists (RPSTL) Information Chapter (PIM) DTD.**

A.8.1 **Abstract.** This abstract is for: DTD %pim; -//USA-DOD//DTD 2361 TM Parts Chapter REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for Repair Parts and Special Tool Lists (RPSTL) Information chapter found in MIL-STD-2361 and MIL-STD-40051. The following paragraph(s) describe the requirements for the repair parts and special tools manual.

This specification establishes the technical content requirements for the preparation of Repair Parts and Special Tools Lists (RPSTLs) Technical Manuals (TMs), revisions, supplements, and changes. Requirements cover the repair parts list, special tools list, part number index, and reference designator index.

To assemble repair parts and special tools information with the other required parts of the applicable TM (i.e., introductory information, etc.), refer to MIL-STD-2361, public identifier entity "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN", and TM Requirements Matrix in MIL-STD-40051 for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.8.2 **Elements.** The formal public identifier for the pim.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Parts Chapter REV 0 19960630//EN"

A.9 **Supporting Information Chapter (SIM) DTD.**

A.9.1 **Abstract.** This abstract is for: DTD %sim; -//USA-DOD//DTD 2361 TM Support Chapter REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for Supporting Information chapter found in MIL-STD-2361 and MIL-STD-40051. The following paragraph(s) describe the requirements for the supporting information (appendix) portion of a manual.

This specification establishes the technical content requirements for the preparation of supporting information (appendixes) for Technical Manuals (TMs), revisions, supplements, and changes. Requirements cover references, Maintenance Allocation Chart (MAC), Repair Parts and Special Tools List (RPSTL), Components of End Item (COEI) and Basic Issue Items (BII), Additional Authorization List (AAL), expendable and durable items, stowage and decal information, on-vehicle equipment loading plan, tool identification list, illustrated list of manufactured items, torque limits, mandatory replacement parts, ammunition marking information, foreign ammunition information, wiring diagrams, aircraft inventory marker guide, storage of aircraft, weight and balance information, depot mobilization requirements, component checklist, quality assurance requirements, preservation/depreservation checksheet, heat shrink film protective covering, quarantine inspection/customs clearance, abbreviation lists, and any other supporting information required for the system/equipment.

To assemble supporting (appendix) information with the other required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-2361, public identifier entity "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN", and TM Requirements Matrix in MIL-STD-40051 for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.9.2 **Elements.** The formal public identifier for the sim.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Support Chapter REV 0 19960630//EN"

A.10 **Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) DTD.**

A.10.1 **Abstract.** This abstract is for: DTD %pop; -//USA-DOD//DTD 2361 TM Pilot Operator Chapter REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for Supporting Information chapter found in this standard and MIL-M-63029C (AV). The following paragraph(s) describe the requirements for the aircraft operator instructions manual.

This specification establishes the technical content requirements for the preparation of aircraft operator instructions and checklists for Technical Manuals (TMs), revisions, supplements, and changes. Requirements describe the safe and efficient operation of the aircraft by authorized personnel. Instructions and checklists include identification of specific crew members and their assigned tasks. This specification only covers the requirements for the operation of aircraft.

To assemble aircraft operator instructions with other required parts of the applicable TM (i.e., supporting information, etc.) refer to MIL-STD-2361, public identifier entity "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN", and TM Requirements Matrix in MIL-STD-361A (Draft) for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.10.2 **Elements.** The formal public identifier for the pop.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Pilot Operator Chapter REV 0 19960630//EN"

A.11 **Preparation of Aircraft for Shipment Information Chapter (SHIPIM) DTD.**

A.11.1 **Abstract.** This abstract is for: DTD %shipim; -//USA-DOD//DTD 2361 TM Shipping Chapter REV 0 19960630//EN. The DTD describes the SGML structure and content tagging conventions for Shipment of Aircraft Information chapter found in this standard and MIL-M-63005B (AV). The following paragraph(s) describe the requirements for a shipment of aircraft manual.

This specification establishes the technical content requirements for the preparation of Army aircraft shipping instructions for Technical Manuals (TMs), revisions, supplements, and changes. Requirements for preparing

all information needed by user personnel for performing all required tasks involved in preparation of shipment of a single aircraft series are provided. Specific requirements and procedures relating to shipment by cargo aircraft, vessel, truck, crated shipment, containerized shipment, and external transport by helicopter are detailed. The specification also covers cleaning, disassembly, preservation, marking, preparation of shipper-prepared documents, loading, tiedown, unloading, depreservation, and reassembly procedures necessary for tactical, minimum disassembly logistical, and maximum density logistical movements.

To assemble a complete shipment of aircraft manual with its other required parts (i.e., introductory information, etc.), refer to MIL-STD-2361, public identifier entity "-//USA-DOD//DTD 2361 TM Assembly REV 0 19960630//EN", and TM Requirements Matrix in MIL-STD-361A (Draft) for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.

A.11.2 **Elements.** The formal public identifier for the ship.sub elements is "-//USA-DOD//ELEMENTS 2361 TM Shipping Chapter REV 0 19960630//EN"

A.12 **Preparation of MIL-STD-2361 Common Elements.** The following paragraphs list the FPIs for the common sub-set SGML elements used in one or more MIL-STD-2361 DTDs.

A.12.1 **Sub-set element AMMOWP.361.** The formal public identifier for the ammo.361 is "-//USA-DOD// ELEMENTS 2361 Ammunition WP REV 0 19960630//EN"

A.12.2 **Sub-set element ASSEM.361.** The formal public identifier for the assem.361 is "-//USA-DOD// ELEMENTS 2361 Assembly and Prep. REV 0 19960630//EN"

A.12.3 **Sub-set element ATTRIB.361.** The formal public identifier for the attrib.361 is "-//USA-DOD// ENTITIES 2361 Common Attr. REV 0 19960630//EN"

A.12.4 **Sub-set element CONTENT.361.** The formal public identifier for the content.361 is "-//USA-DOD// ELEMENTS 2361 Common Content REV 0 19960630//EN"

A.12.5 **Sub-set element DEPRES.361.** The formal public identifier for the depres.361 is "-//USA-DOD//EL-EMENTS 2361 Depreservation REV 0 19960630//EN"

A.12.6 **Sub-set element DESTRUCT.361.** The formal public identifier for the destruct.361 is "-//USA-DOD/ /ELEMENTS 2361 Destruction Mat. REV 0 19960630//EN"

A.12.7 **Sub-set element EIR.361.** The formal public identifier for the eir.361 is "-//USA-DOD//ELEMENTS 2361 Equipment Improvement Recommendation REV 0 19960630//EN"

A.12.8 **Sub-set element FUNCTION.361.** The formal public identifier for the function.361 is "-//USA-DOD/ /ELEMENTS 2361 Function REV 0 19960630//EN"

A.12.9 **Sub-set element GRNDTSK.361.** The formal public identifier for the grndtsk.361 is "-//USA-DOD/ /ELEMENTS 2361 Ground Handling Tasks REV 0 19960630//EN"

A.12.10 **Sub-set element HOOKUP.361.** The formal public identifier for the hookup.361 is "-//USA-DOD/ /ELEMENTS 2361 Hookup Task REV 0 19960630//EN"

A.12.11 **Sub-set element INTRO.361.** The formal public identifier for the intro.361 is "-//USA-DOD// ELEMENTS 2361 Introduction REV 0 19960630//EN"

A.12.12 **Sub-set element ISOCHARS.361.** The formal public identifier for the isochars.361 is "-//USA-DOD/ /ENTITIES 2361 ISO Char. Set REV 0 19960630//EN"

A.12.13 **Sub-set element NAV-META.361.** The formal public identifier for the nav-meta.361 is "-// USA-DOD//ELEMENTS 2361 Navigate REV 0 19960630//EN"

A.12.14 **Sub-set element OTHERINF.361.** The formal public identifier for the otherinf.361 is "-//USA-DOD/ /ELEMENTS 2361 Other Info. REV 0 19960630//EN"

A.12.15 **Sub-set element PERSERV.361.** The formal public identifier for the perserv.361 is "-//USA-DOD/ /ELEMENTS 2361 Preservation Task REV 0 19960630//EN"

A.12.16 **Sub-set element PILOT.361.** The formal public identifier for the pilot.361 is "-//USA-DOD// ELEMENTS 2361 Pilot Task REV 0 19960630//EN"

A.12.17 **Sub-set element RPSTL.361.** The formal public identifier for the rpstl.361 is "-//USA-DOD// ELEMENTS 2361 Parts WP REV 0 19960630//EN"

A.12.18 **Sub-set element SAFETY.361.** The formal public identifier for the safety.361 is "-//USA-DOD// ELEMENTS 2361 Safety and Security REV 0 19960630//EN"

A.12.19 **Sub-set element SCOPE.361.** The formal public identifier for the scope.361 is "-//USA-DOD// ELEMENTS 2361 Scope and Purpose REV 0 19960630//EN"

A.12.20 **Sub-set element STRUCT.361.** The formal public identifier for the struct.361 is "-//USA-DOD// ELEMENTS 2361 TM Structural REV 0 19960630//EN"

A.12.21 **Sub-set element TIEDOWN.361.** The formal public identifier for the tiedown.361 is "-//USA-DOD/ /ELEMENTS 2361 Tiedown Task REV 0 19960630//EN"

A.12.22 **Sub-set element WP-SETUP.361.** The formal public identifier for the wp-setup.361 is "-//USA-DOD/ /ELEMENTS 2361 WP Setup REV 0 19960630//EN"

A.12.23 **Sub-set element WTBAL.361.** The formal public identifier for the wtbal.361 is "-//USA-DOD// ELEMENTS 2361 Weight/Balance WP REV 0 19960630//EN"

Tag Description List for TM DTDs and Entities

B.1 **Scope.** This appendix contains the SGML tag description requirements for MIL-STD-2361 Technical Manual (TM) Document Type Definitions (DTD) and entities. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance.

B.1.1 **Application.** The SGML tag descriptions referenced in this appendix shall be used to prepare technical manuals in accordance with this standard and MIL-STD-40051. The tag descriptions to be used for development of TMs in compliance with this standard and MIL-STD-40051 may be obtained from the Army SGML Registry and Library (ASRL) by the following means:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

b. Bulletin Board System (BBS): Toll free telephone (888) 880–ASRL.

c. U.S. Mail: Requested files will be mailed on 3.5" DOS formatted diskettes or on 1/4" UNIX tar formatted tape. Requests may be submitted as follows:

- Written request:
  Commander, USAPPC
  ATTN: SAIS-PRP-PS
  2461 Eisenhower Avenue
  Alexandria, VA 22331
- Telephone request:
  Commercial: (703) 428–0508 or 0504
  DSN: 328–0508 or 0504

B.1.2 **Conformance.** TM preparers, and any other users of MIL-STD-2361 DTDs, shall not deviate from the tag descriptions, or their intended useage, referenced in a-i, below. The ASRL contains the tag descriptions for each of the DTDs listed below.

a. General Preparation and Assembly Information Module (Manual) DTD Tags.

b. Introductory Information with Theory of Operation Information Module (GIM) DTD Tags.

c. Operators Instruction Information Module (OPIM) DTD Tags.

d. Troubleshooting Procedures Information Module (TIM) DTD Tags.

e. Maintenance Instructions Information Module (MIM) DTD Tags.

f. Repair Parts and Special Tool Lists (RPSTL) Information Module (PIM) DTD Tags.

g. Supporting Information Module (SIM) DTD Tags.

h. Aircraft Operators Instructions and Checklists Information Module (PILOT-OPIM) DTD Tags.

i. Preparation of Aircraft for Shipment Information Module (SHIPIM) DTD Tags.

Tag Description List for TM Common Tags

C.1 **Scope.** This appendix contains the SGML tag description requirements for MIL-STD-2361 Technical Manual (TM) common tags. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance.

C.1.1 **Application.** The SGML tag descriptions referenced in this appendix shall be used to prepare technical manuals in accordance with this standard and MIL-STD-40051. The tag descriptions to be used for development of TMs in compliance with this standard and MIL-STD-40051 may be obtained from the Army SGML Registry and Library (ASRL) by the following means:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

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  2461 Eisenhower Avenue
  Alexandria, VA 22331
- Telephone request:
  Commercial: (703) 428–0508 or 0504
  DSN: 328–0508 or 0504

C.1.2 **Conformance.** TM preparers, and any other users of MIL-STD-2361 DTDs, shall not deviate from the common tag descriptions, or their intended useage.

SGML Text Entities

D.1 **Scope.** This appendix contains the SGML text entity requirements for MIL-STD-2361 Technical Manuals (TM). This appendix is a mandatory part of this standard. The information contained herein is intended for compliance. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance.

D.1.1 **Application.** The SGML text entities referenced in this appendix shall be used to prepare technical manuals in accordance with this standard and MIL-STD-40051. The text entities to be used for development of TMs in compliance with this standard and MIL-STD-40051 may be obtained from the Army SGML Registry and Library (ASRL) by the following means:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

b. Bulletin Board System (BBS): Toll free telephone (888) 880–ASRL.

c. U.S. Mail: Requested files will be mailed on 3.5" DOS formatted diskettes or on 1/4" UNIX tar formatted tape. Requests may be submitted as follows:

- Written request:
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  ATTN: SAIS-PRP-PS
  2461 Eisenhower Avenue
  Alexandria, VA 22331
- Telephone request:
  Commercial: (703) 428–0508 or 0504
  DSN: 328–0508 or 0504

D.1.2 **Conformance.** TM preparers, and any other users of MIL-STD-2361 DTDs, shall not deviate from the SGML text entities, or their intended useage.

CONCLUDING MATERIAL

Custodians:Army-SC3

Review Activities:Army-AL, AR, AV, ER, MR, MI, AT, TE, ME, GL, TM, SM, SC, CU, AC, CR

Preparing Activity:SC3

(Project IPSC-0340)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

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

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER MIL-STD-2361(SC)	2. DOCUMENT DATE (YYMMDD) 970130

3. DOCUMENT TITLE
Interface Standard - Digital Publications Development

4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME (Last, First, Middle Initial)	b. ORGANIZATION	
c. ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	7. DATE SUBMITTED (YYMMDD)

8. PREPARING ACTIVITY

a. NAME Hope Robinson	b. TELEPHONE (Include Area Code) (1) Commercial (703)428-0508 (2) AUTOVON 328-0508
c. ADDRESS (Include Zip Code) U.S. Army Publications and Printing Command ATTN: SAIS-PRP-PS Hoffman Building 1 2461 Eisenhower Avenue Alexandria, VA 22331	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: OASD for Economic Security, Acquisition Practices Directorate Standardization Program Division 5203 Leesburg Pike, Suite 1403 Falls Church, VA 22041-3466