

NOT MEASUREMENT
SENSITIVE

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SUPERSEDING
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INTERFACE STANDARD

FOR

SYSTEM INTERFACE REQUIREMENTS
FOR ENGINEERING DATA

AMSC N/A

FSC MISC

DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

1. SCOPE

1.1 Scope. This interface standard provides the method and format requirements for delivery of engineering data to the U.S Army Aviation and Missile Command (AMCOM) engineering data repository. The data repository being exploited in this interface standard is AMCOM's Engineering Data Information Server (EDIS). The format and content information is specific to the fields and entries required to enter engineering data into EDIS.

Engineering data is defined as the files, specifications, drawings, standards, or any other documents that contain information relating to the design, procurement, fabrication, testing, manipulation, storage, or inspection of an item. Engineering data is stored and manipulated through a data repository that contains accessible and usable data that is formatted in a standard and uniform manner. This standard provides the standard format requirements, the valid field entries, and the circumstances under which manipulations may be performed.

1.2 Background. EDIS is owned and maintained by the U. S. Army AMCOM Chief Information Office/G6 (CIO/G6). EDIS is a web based application that is accessible through any web browser. The ImageView and IndexR applications are available to aid in the creation and viewing of EDIS data. ImageView and IndexR can be downloaded from the AMCOM CIO/G6 Mission Service Desk website <https://g6msd.redstone.army.mil>. ImageView and IndexR are currently compliant with Windows Vista and Windows 7.

1.3 Description. ImageView is a raster file viewer that allows the user to view and manipulate raster files in various formats simultaneously. IndexR is used to create, edit, and interpret a Data File Index Structure (DFIS) file. Using IndexR, the user can create the metadata file required for EDIS data submittals.

1.4. Classification for delivery. There are three ways in which engineering data files may be delivered. They are by:

1.4.1. Compact Disk - Read Only Memory (CD-ROM) optical media.
Digital Video Disk (DVD) optical media
Electronic File Transfer

1.4.2. Composition of each data delivery. Each data delivery package shall contain two (2) types of data: an image file and a metadata file (See Section 3).

2. APPLICABLE DOCUMENTS

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

2.2. Government documents.

2.2.1. Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

MILITARY SPECIFICATIONS

MIL-STD-31000A – Department of Defense Standard Practice, Technical Data Packages

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

PUBLICATIONS

DoDI 5230.24 – Distribution Statements on Technical Documents
DoDD 5230.25 - Withholding of Unclassified Technical Data from Public Disclosure

(Unless otherwise indicated, copies of the above specifications, standards, handbooks, and directives are available from <https://assist.dla.mil>.)

2.3. Non-Government Publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents, are those cited in the solicitation or contract.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) PUBLICATION

ASME Y14.1-2012 – Decimal Inch Drawing Sheet Size and Format
ASME Y14.100 - 2013 – Engineering Drawing Practices
ASME Y14.41-2012 – Digital Product Definition Data Practices
ASME Y14.35-1997 - 2014 Revision of Engineering Drawings and Associated Lists
ASME Y 14.34-2013 – Associated Lists

INSTITUTE OF ELECTRICAL and ELECTRONIC ENGINEERS (IEEE)

IEEE Std 802.3 2012 – Ethernet

INTERNATIONAL STANDARD ORGANIZATION (ISO) PUBLICATION

ISO-9660 1988/AMD.1 2013 – Information Processing – Volume and File Structure of CD-ROM for Information Interchange

AMERICAN NATIONAL STANDARDS INSTITUTE/INTERNATIONAL COMMITTEE FOR INFORMATION STANDARDS

ANSI/INCITS 4 2007 – Information Systems – Coded Character Sets – 7-Bit American National Standard Code for Information Interchange (7-Bit ASCII)

ADOBE SYSTEMS INCORPORATED

Portable Document Format Reference (PDF) Manual

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 Metadata. Information about data. In this case, metadata is the attribute information (index data) that identifies and references each image data file.

3.2 Image Files. 2D and 3D data files that define the engineering data in the submittal. Includes, but is not limited to, engineering drawings, Parts Lists, Associated Lists, 2D digital data and 3D models.

3.3 Pels. Picture Elements. The smallest graphic element that can be individually addressed within a picture; is synonymous with pixel.

3.4 Raster. A matrix that is constructed of orthogonally positioned rows and columns of discrete data points. The binary value of each data point indicates the presence or absence of a pictorial (visual) artifact.

3.5 DPI. Dots Per Inch. The standard unit used to determine the raster density of an image. Unit of measure is in pels as described in para 3.3.

3.6 Accompanying Document. Any document or file that is attached to another document or file (base document). Used as reference material or to provide additional information about the base document. Examples of accompanying documents are as follows:

- a. A document that makes a change to a specific revision of a document/drawing/specification or an associated list (an Engineering Change Proposal (ECP) or Engineering Change Order (ECO)).
- b. Digital data, see para 4.2.2.1.4.

4. GENERAL REQUIREMENTS.

4.1. Delivery Requirements. Unless otherwise indicated, copies of the above specifications, standards, handbooks, and directives are available from <https://assist.dla.mil>.

4.1.1. Delivery. It is recommended that the delivery of data shall be IAW instructions found at the AMCOM Chief Information Office/G6 (CIO/G6) Service Desk web site: <https://g6msd.redstone.army.mil>.

4.1.1.1 Compact Disk (CD) and Digital Video Disk (DVD) Physical Media. When delivery of engineering data is on CD or DVD, the file structure shall be compliant with ISO-9660, Compact Disc File System.

4.1.1.2 Electronic File Transfer. When delivery of engineering data is by electronic file transfer, all files within a delivery set shall be encapsulated into a single file using Microsoft Windows standard .ZIP formats. .ZIP is an archive file format that supports lossless data compression. A .ZIP file may contain one (1) or more files or folders that may have been compressed. The .ZIP file format permits a number of compression algorithms. Each .ZIP delivery set shall be a discreet entity and independent of other delivery sets. Detailed instructions are available on the EDIS section of the AMCOM CIO/G6 Service Desk website: <https://g6msd.redstone.army.mil>.

4.2. General Requirements

4.2.1. Metadata file. Detailed instructions are available on the EDIS section of the AMCOM CIO/G6 Service Desk website: <https://g6msd.redstone.army.mil>. Each data delivery shall contain a metadata file with the filename of INDEX.DLF. The metadata file shall be located at the root level of the file structure. The metadata file shall contain one metadata record entry for each Image Data File contained in the delivery. The metadata file shall be in a pipe-delimited, ASCII text file. Each record shall describe a single engineering data entity and reference a single Image Data File. The format of the metadata file shall be as described in 5.1. Metadata Tailoring.

4.2.2. Image Data Files.

4.2.2.1. Required Image File Types. All image data shall be delivered in one of the following formats. Other formats may be submitted in addition to the Required Image Files Types. Contact the AMCOM CIO/G6 Service Desk at 256-955-0196, or email at usarmy.redstone.amcom.mbx.g6-edms-tag@mail.mil prior to submittal of different formats.

4.2.2.1.1. Continuous Acquisition and Life-Cycle Support (CALs) raster image data. The digital representation of raster graphics shall be prepared in accordance with (IAW) MIL-PRF-28002, Type 1,

Untitled Raster Graphics Data (Default Mode). Raster image density shall be a maximum of 300 Dots Per Inch (DPI).

4.2.2.1.2. Portable Document Format (PDF) image data. PDF image data is defined as a fixed layout format used for representing two-dimensional documents. PDF images shall be a maximum density of 300 DPI. Textual documents such as Engineering Change Proposals (ECPs), Specifications, and Parts Lists shall be contained in a single file. PDF images shall not contain markups, such as Comments, Watermarks, Sticky Notes, Layers, etc. All notes, Distribution Statements, and Rights Statements shall be a permanent part of the PDF image.

4.2.2.1.3 Stablebase image data. Engineering drawings formally submitted in Stablebase Mylar format shall be submitted in digital format. A minimum of two digital formats shall be required: a 2D raster image as described in para's 4.2.2.1.1 and 4.2.2.1.2, and a dimensionally accurate high-resolution Tagged Image File (TIF) produced by a certified vendor, a Computer Aided Design (CAD) file, or a Gerber file to be used for manufacture of the item. The metadata file shall contain a separate index record for each image data file. See Appendix C for the appropriate Image File Type data. Contact the AMCOM CIO/G6 Service Desk at 256-955-0196 or email at usarmy.redstone.amcom.mbx.g6-edms-tag@mail.mil if additional Image File Type information is needed.

4.2.2.1.4 Digital Data. For the purpose of this Interface Standard, Digital Data is defined as any data type that is other than the data defined in paragraphs 4.2.2.1.1, 4.2.2.1.2, and 4.2.2.1.3, i.e. Gerber data files, native CAD formats and 3D or Model Based Definition (MBD) solid model data. Delivery requirements for these data types are defined in two separate categories, 2D and 3D.

- a. 2D Any 2 dimensional digital data that is NOT 3D or MBD data. This delivery shall contain the following:
 1. A 2D raster representation of the digital data in one of the formats described in para's 4.2.2.1.1 and 4.2.2.1.2. This image file shall contain all elements of an engineering drawing (border, title block, revision block, signature blocks, etc.) IAW ASME Y14.100.
 2. The digital data file in its native format. This image file shall contain all elements of an engineering drawing (border, title block, revision block, signature blocks, etc.) IAW ASME Y14.100. The 2D raster and digital data images shall contain the appropriate distribution statements, etc. on the face of the image within the Drawing border IAW DoDI 5230.24.
 3. The metadata file shall contain a separate index record for each image and digital data file in the submittal.
- b. 3D Any solid model or 3D data. This delivery shall contain the following:
 1. A 2D raster representation of the digital data or a Product Data Definition sheet in one of the formats described in para's 4.2.2.1.1 and 4.2.2.1.2. This image file shall contain all elements of an engineering drawing (border, title block, revision block, signature blocks, etc.) IAW ASME Y14.100. See Appendix D for a Product Data Definition sheet sample.
 2. The digital data file(s) in its native format. All 3D deliveries that consist of more than one file for a single part, subassembly or assembly, shall be zipped in a standard MS Windows .ZIP file and submitted as a single file. All 3D file(s) shall be attached to the 2D raster record as an accompanying document.
 3. The 2D raster image and each 3D file shall contain the appropriate distribution statements IAW DoDI 5230.24. The 3D file shall display applicable restriction markings, legends, and statements clearly visible when the solid model is first opened IAW MIL-STD-31000 or ASME Y14.41.
 4. The metadata file shall contain a separate index record for each image and 3D file in the submittal.

See Appendix C for a list of appropriate Image File type metadata. Contact the AMCOM CIO/G6 Service Desk at 256-955-0196, or email at usarmy.redstone.amcom.mbx.g6-edms-tag@mail.mil, for assistance with an image file type not listed in Appendix C.

4.2.3. Image Requirements. Images shall meet the following requirements:

- a. Image shall be centered in frame.
- b. Image shall have the same visual diffuse transmission density as the area in the frame surrounding the document image area.
- c. Extraneous data or clutter which is not part of the engineering drawing (including contractor identification (ID) number) shall not appear on the image.
- d. Lines shall not bleed, blur, or fill in.
- e. The resolution of the image shall provide a separation of lines through their entire length. If lines do not show separation through the entire length, the image will be rejected.
- f. Line width shall be a minimum of 3 pels for 200 pels per inch or 10 pels for 300 pels per inch.

4.2.4. Image Drawing Size. Drawing Sizes shall be IAW ASME Y14.1. Image pel counts for drawings, excluding any protective or binding margins outside the ASME size definition, shall not be more than +/- one inch from the actual drawing size for drawing sizes A through C and +/- three (3) inches for drawing sizes greater than C. See Appendix E for actual drawing sizes and pel counts.

4.2.5. Approval Signature, Release Authorization and Date. Unless otherwise specified, the Design Activity shall have a verification, authorization and approval system for the detailed examination and review for technical accuracy of all engineering drawings, associated lists, and databases, including data transmission and referenced documents. The names or signatures of the responsible individuals shall be a required entry in the appropriate blocks to indicate conformance of the engineering drawings and associated lists with applicable requirements and contract provisions. Approvals referring to the data originator’s native system such as “See PDM” will not be accepted.

4.3. Position of book form drawings or documents. All documents, including book form drawings, shall be positioned one sheet per frame/image for CALS raster image data or per page for PDF image data. When revisions are made to documents previously positioned with multiple sheets per frame/image, the entire document, with the revision level of each sheet raised to the next revision level, shall be submitted positioned one sheet per frame/image/page.

4.4. Multiple Sheet Additions and/or deletions. Any sheet additions shall be added to the end of the document with a continuous sheet count. Alpha sheets shall not be used. Sheet deletions to a document shall require sheet one (1), and all sheets after the deletion, to be renumbered and the document submitted in its entirety.

5. DETAILED REQUIREMENTS

5.1 Metadata Tailoring. The Metadata shall IAW Table I and the Metadata Notes.

TABLE I. METADATA DESCRIPTION

FieldNumber	MIS-STD-52406 Mandatory	Data Element	FIELD DESCRIPTION	Max Characters	Notes
1	X	BaseDocNumber	<p>Document Number.</p> <p>Unique identifier for a drawing or other document as assigned by the organization identified by the document CAGE.</p> <p>Document numbers shall reflect what is in the drawing title block and shall not include letters that would be on preprinted forms.</p>	32	16

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			If record describes an Accompanying Document, this field shall contain the Base Document's Document Number.		
2	X	BaseDocCage	Commercial And Government Entity (CAGE) Code. If record describes an Accompanying Document, this field shall contain the Base Document's CAGE Code.	5	
3	X	BaseDocType	Document Type. The value of the Base Document Type shall be a value from Appendix A, Document Type Listings (DTL). If record describes an Accompanying Document, this field shall contain the Base Document's Document Type. If document does not have a document type, leave blank or null.	2	4
4	X	DocumentSize	Document Size. Value shall be one of the following: A, B, C, D, E, F, G, H, J, and K, IAW ASME-Y-14.1	2	
5	X	BaseDocRevision	Document Revision. If record describes an Accompanying Document, this field shall contain the Base Document's Revision. The following Document Revisions shall be invalid: I, O, Q, S, X, and Z. Single digit number revisions shall be zero (0) padded to 2 characters (i.e., 02). A blank, null, or dash '-' shall be used to reflect no revision.	3	4, 6, 11, 13
6		DocumentRevDate	Revision Date. Date of Document Revision. Use dates of the form DD-MON-YYYY, where DD is the day of the month, MON is the alpha three-digit Month, YYYY is the four-digit year (i.e. 01-AUG-2014).	20	7,12
7		DocumentTitle	Document Title. Human-readable short description of the document.	40	17
8	X	SheetNumber	Sheet Number. The value shall be numeric, zero (0) padded to 4 characters.	12	18
9	X	NumberOfSheets	Number of Sheets. The value shall be numeric, zero (0) padded to 4 characters.	4	
10	X	BaseDocSheetRevision	Sheet Revision. If record describes an Accompanying Document, this field shall contain the Base Document's Document Revision. The following Document Revisions shall be invalid: I, O, Q, S, X, and Z. Single digit number revisions shall be zero (0) padded to 2 characters (i.e., 02).	3	4, 11, 13

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			A blank, null, or dash '-' shall be used to reflect no revision.		
11	X	FrameNumber	Frame Number. If Document has no frames enter "0001".	4	
12	X	NumberOfFrames	Number of Frames. Total number of frames a sheet is composed of. If Document has no frames, enter "0001".	4	
13	X	FileType	File Type. Use appropriate value from Appendix C, Image File Types.	5	
14		FileTypeFormat	File Type Format. Use appropriate value from Appendix C, Image File Types.	20	3, 10
15		FileTypeSrcFlavor	Source Flavor. Use appropriate value from Appendix C, Image File Types.	20	3, 10
16		FileTypeDestFlavor	Destination Flavor. Use appropriate value from Appendix C, Image File Types.	20	3, 10
17		FileTypeContent	File Type Content. Use appropriate value from Appendix C, Image File Types.	20	3, 10
18		FileTypeVersion	File Type Version. Use appropriate value from Appendix C, Image File Types.	14	3, 10
19		SourceCage	Site Code. CAGE code of the Data Originator.	5	3
20	X	FileName	File Name. Name of the Image file (without extension) corresponding to this record. If the Pathname\Filename in the delivery package for this record is "IMAGES\000\123456.XYZ", "123456" shall be the value in this field.	32	8
21	X	FileExtension	File Extension. Extension of the Image file corresponding to this record. If the Pathname\Filename in the delivery package for this record is "IMAGES\000\123456.XYZ", "XYZ" shall be the value in this field.	3	8
22	X	FilePath	File Path. Path to the Image file corresponding to this record. If the Pathname\Filename in the delivery package for this record is "IMAGES\000\123456.XYZ", "IMAGES\000" shall be the value in this field. File Paths shall be formatted IAW the description provided in Metadata Notes 8 and 9.	242	8, 9
23		MediaVolumeID	Media Volume ID.	11	8

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			Volume ID of the media containing the Data Delivery. This field is only a required field if the delivery is a multi-volume physical media delivery. Each volume of a multi-volume delivery shall have a unique Volume ID name.		
24		MajorGroup	Major Group. Major grouping designation within index. This field is generally left blank or null on a delivery.	20	
25		MinorGroup	Minor Group. Minor grouping designation within index. This field is generally left blank or null on a delivery.	8	
26	X	SecurityLevel	Security Level. Security level assigned to sheet/image Value shall be one of the following: N, C, E, H, M, S, F, J, T, G, K. N Unclassified C Confidential E Confidential - restricted H Confidential - formerly restricted M Confidential - modified handling authorized S Secret F Secret - restricted J Secret - formerly restricted T Top secret G Top secret - restricted K Top secret - formerly restricted Data Delivery shall be required to be a Delivery Composition of Compact Disk (CD) Physical Media if this field is other than "N".	1	
27	X	Rights	Rights. Value shall be one of the following: U, G or L U Unlimited Rights G Government Purpose Rights L Limited, Restricted or Special License Rights	1	
28	X	ForeignSecure	Foreign Secure. Foreign Secure designation. Value shall be one of the following: Y or N Y Foreign Secure N Not Foreign Secure	1	
29	X	Nuclear	Nuclear. Nuclear equipment designation. Value shall be one of the following: Y or N Y Nuclear	1	

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			N Not Nuclear		
30	X	Subsafe	<p>Sub Safe.</p> <p>Sub Safe designation. Only for submarines, does not apply for Flight Critical. Indicates if drawing depicts critical safety info.</p> <p>SUBSAFE is a Navy program that requires special work procedures and inspections of equipment that cross the boundary of a submarine pressure hull. Examples include hatches, sensors and radio antenna wiring, and periscopes. The idea is to guarantee that seawater stays outside the pressure hull.</p> <p>Drawings that depict such equipment are labeled SUBSAFE so that ship crew and maintenance workers know they must apply the special procedures and inspections.</p> <p>Value shall be one of the following: Y or N</p> <p>Y Subsafe</p> <p>N Not Subsafe</p>	1	
31		AirType	<p>Air Type.</p> <p>Leave Blank or null.</p>	6	
32		Apl	<p>APL.</p> <p>Leave Blank or null.</p>	35	
33		CadInfo	<p>Computer Aided Design Reference.</p> <p>Leave Blank or null.</p>	2	
34	X	ControlCode	<p>Control activity code.</p> <p>This code identifies the primary repository that controls the official record copy of engineering data.</p> <p>Value shall be: BD</p>	2	
35		Hsc	<p>HSC.</p> <p>Leave Blank or null.</p>	12	
36		Nsn	<p>National Stock Number (NSN).</p> <p>NSN identifies an item of supply in the Federal Supply Catalog, maintained by the Defense Logistics Information Service (DLIS).</p> <p>Leave Blank or null.</p>	13	
37		Uic	<p>UIC.</p> <p>Leave Blank or null.</p>	5	
38		System	<p>System.</p> <p>Leave Blank or null.</p>	32	
39		Nomenclature	<p>Nomenclature.</p> <p>Leave Blank or null.</p>	20	
40		ShipClass	<p>Ship Class.</p> <p>Leave Blank or null.</p>	4	
41		ShipTypeHullNum	<p>Ship Type Hull Number.</p>	9	

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			Leave Blank or null.		
42		MasterLocation	Engineering drawing master location. Leave Blank or null.	30	
43		OfflineLocation	Engineering drawing off-line location. Leave Blank or null.	80	
44		ParentCage	Parent CAGE. Leave Blank or null.	5	19
45		ParentDocNumber	Parent Doc Number. Leave Blank or null.	32	19
46		PartNumber	Part Number. Leave Blank or null.	32	
47		SubSheet	Sub Sheet. Leave Blank or null.	3	15
48		Succeeding	Succeeding Drawing. Drawing number and CAGE of superseding drawing. Leave Blank or null.	20	
49	X	DistStmnt	Distribution Statement. Populated IAW DoDI 5230.24.	2	
50	X	AccDocType	Accompanying Document Type. If record describes an Accompanying Document, this field shall contain the Accompanying Document's Document Type as defined within Appendix B, Accompany Document Type Listing (ADTL). If record describes a Base Document, this field shall be left Blank or Null.	2	4, 5, 13
51	X	AccDocNumber	Accompanying Document Number. Accompanying Document numbers shall reflect what is in the drawing title block and shall not include letters that would be on preprinted forms. If record describes an Accompanying Document, this field shall contain the Accompanying Document's Document Number. If record describes a Base Document, this field shall be left Blank or Null.	32	5, 13, 16
52	X	AccDocCage	Accompanying Document CAGE Code. If record describes an Accompanying Document, this field shall contain the Accompanying Document's CAGE Code. If record describes a Base Document, this field shall be left Blank or Null.	5	5, 13
53	X	AccDocRevision	Accompanying Document Revision. If record describes an Accompanying Document, this field shall contain the Accompanying Document's Revision. The following Accompanying Document Revisions shall be invalid: I, O, Q, S, X, and Z.	3	4, 5, 13

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			If record describes a Base Document, this field shall be left Blank or Null.		
54		[Blank]	[Blank] Leave Blank or null.	0	14
55		[Blank]	[Blank] Leave Blank or null.	0	14
56	X	WeaponsSystemCode	Weapon System Code. Two character designator for the Weapons System. Contact the AMCOM CIO/G6 Service Desk 256-955-0196, for the appropriate data to populate this field.	15	
57	X	Version	Version. Value shall be: 1.0	4	
58	X	Record End	Record End. Value shall be: CR/LF (Hex 0D0A).	2	

Metadata Notes:

(1) The metadata file is a character delimited, American Standard Code for Information Interchange (ASCII) character format encoded text file, with one Image Row Entry (Record) per image referencing a data file in a hierarchical directory structure. The file and hierarchical directory structure naming conventions are not pre-defined. Each Image Row Entry contains a sequenced series of pre-defined standard Fields separated by the ASCII Vertical Bar (pipe bar) character "|" (decimal 124). Image Row Entries are separated by a Field 58 (CR/LF) (decimal 13/10). An ASCII Vertical Bar character is required between Fields 57 and 58. There should be no blank lines, or lines that do not conform to an Image Row Entry description as defined in the Metadata Description table. The file shall contain only those characters permitted by ANSI/INCITS 4 2007. The Vertical Bar character is an invalid character in all Fields.

(2) The metadata file format does not pre-define the size (width) of the Fields. Field sizes defined indicate the maximum size allowed. Padding of Fields is not required (i.e. Sheet 1 can be entered as "|1|" and does not require an entry of "|0001|". All entries in Fields should be uppercase. Leading and trailing spaces within the Field are ignored (i.e. "| 1 |" will be interpreted the same as "|1|". Null entries may be represented by "|".

(3) Metadata file usage only. These fields are informational within the metadata file to describe Field 13, FileType and are not used as part of the input.

(4) Mandatory data element where "blank" is a valid entry. Null is not a valid entry (i.e. "||" is valid, "" is invalid). "Blank" is not a valid entry for other mandatory fields.

(5) Mandatory field when Image Row Entry is an Accompanying Document.

(6) Field 5, BaseDocRevision for multiple sheet documents will be the same as the Field 10, BaseDocSheet Revision for Sheet 1 of the document.

(7) Enter the date of the original drawing when drawing is the original release (i.e. Field 10, BaseDocSheet Revision is blank).

(8) Fields 20, FileName; 21 FileExtension; and 23, MediaVolumeID entries must contain only ISO-9660 d-characters. Field 22, FilePath must contain only the d-characters and either the backslash "\" or forward slash "/". The d-characters consist of the letters A through Z (upper case), the numbers 0 through 9, and the underscore symbol "_". Corresponding file names of the data files on the media must contain only d-

characters. Individual subdirectory names within the File Path may contain no more than eight (8) characters and consist only of d-characters. The backslash "\" (recommended) or forward slash "/" characters are to be used as the separators between individual subdirectory names (do not use both). A trailing slash should not be used at the end of the directory structure (e.g. "images\01" or "images/01"). If a relative path is used (i.e. "images\01"), the current directory is taken from the perspective of the location of the metadata file. Example, if there is a directory structure "images\level1\level2", and the path within Field 22, FilePath is "level1\level2", the metadata file must be physically located in the subdirectory "images\level1". If a relative path is used and the images are in the same directory as the metadata file, use a period "." as the path. Drive letter designator and colon are not to be used as part of Field 22, FilePath.

(9) If media is an ISO-9660 Compact Disk/DVD, Field 22, FilePath should not exceed 66 characters (including directory names, and slashes) and should include no more than eight (8) levels in a directory hierarchy. If the metadata set is transferred electronically (i.e. over a network) Field 22, FilePath should only use relative path entries.

(10) Field 13, FileType is a five character File Type code that indicates the file format of the image file (e.g. CALS Type I raster, AutoCAD 13 Vector). Fields 14 through 19 are descriptors of Field 13.

(11) Field 10, BaseDocSheetRevision for an Individual Sheet of a Base Document is the only revision stored in the repository. For this reason Field 5, BaseDocRevision is ignored for Base Documents when the metadata file is used to populate the repository database.

(12) Dates will be expressed in the following formats: DD-MON-YYYY or DD-MON-YYYY:HH24:MI:SS where DD is the Day, MON is the Month, YYY is the Year, HH24 is the 24 hour representation of the Hour (i.e. 15 for 3:00PM), MI is the Minutes, and SS is the Seconds. Examples include "27-JUN-2014:15:50:59", "28-JAN-2014:00:00:00" and "28-JAN-2014".

(13) ACCOMPANYING DOCUMENT NOTES:

A1. Fields 1, BaseDocNumber; 2, BaseDocCage; 3, BaseDocType; 5, BaseDocRevision and 10, BaseDocSheetRevision pertain to the Base Document when an Image Row Entry describes an Accompanying Document. Only the aforementioned fields should contain entries pertaining to the Base Document for an Image Row Entry describing an Accompanying Document. All fields other than the aforementioned pertain to the Accompanying Document when the Image Row Entry represents an Accompanying Document.

A2. An Accompanying Document is associated with a Revision of Sheet 1 of the Base Document. The Base Document Revision will be resolved from the entry in Field 5, BaseDocRevision. Field 10, BaseDocSheetRevision is ignored. For consistency purposes, Fields 5 and 10 should contain the same value.

A3. If Field 51, AccDocNumber is non-null and contains entries other than blanks, then the Image Row Entry is assumed to be describing an Accompanying Document.

(14) Fields 54 and 55 are not defined in current implementation of the index but are retained as placeholders for future use.

(15) Field 47, SubSheet is not a valid entry for an Accompanying Document and should be reflected as a Null entry ("||").

(16) For Fields 1, BaseDocNumber and 51, AccDocNumber, the following ASCII characters are invalid:

ASCII Character Description	Character (in Parentheses)	Decimal Value
Quotation Mark	(")	34
Dollar Sign	(\$)	36
Percent Sign	(%)	37
Apostrophe	(')	39
Backslash	(\)	92

Underline (_) 95

(17) For Field 7, DocumentTitle the following ASCII are invalid:

ASCII Character Description	Character (in Parentheses)	Decimal Value
Quotation Mark	(")	34
Dollar Sign	(\$)	36
Percent Sign	(%)	37
Apostrophe	(')	39
Backslash	(\)	92
Underline	(_)	95

(18) Field 8, SheetNumber is listed as a twelve (12) character field. This is due to some organization's use of what is referred to as "complex sheet numbers". If "complex sheet numbers" are not being used, this is a four (4) character field.

(19) Fields 44, ParentCage and 45, ParentDocNumber are no longer used and should be reflected as a Null entry ("||").

5.2 Data acceptance criteria. All Image Files shall be reviewed by AMCOM CIO/G6 Information Management Division Data Acceptance for clarity, legibility, appropriate markings, format, compliance with the Appendix E Size Tables and completeness. The metadata will be reviewed for format, compliance with Table I Metadata Description and accuracy. All data in the metadata file shall match to corresponding data in the Image File. The following lists the most common reasons for rejection:

- a. Illegible image – hot, faded, missing print
- b. Distribution statement missing
- c. Incorrect or missing cage code
- d. Incomplete document – sheet(s) missing
- e. Invalid rights code
- f. Approval Block – missing approval date and/or signature or ECP/ECOT number
- g. Incorrect revision
- h. Invalid sheet count
- i. Invalid weapon system code
- j. Invalid base doc type
- k. Filmed higher than 1 up
- l. Index data and image data mismatch
- m. Missing ECP number
- n. No .dlf file
- o. Chopped image
- p. Accompanying Doc on face of document (overlay)
- q. Accompanying Doc on outside border of document (overlay)
- r. Revision not in index
- s. Inappropriate distribution statement
- t. Duplicate in system/do not resubmit
- u. Mismatch in rights and distribution. Image stamped proprietary.
- v. Nonconforming markings
- w. No effective date
- x. Data in comments/must be marked on face of document
- y. Conflicting distribution statement on drawing
- z. Invalid character(s) in index
- aa. Not CALS Type 1 format
- bb. Missing Image File(s)
- cc. Drawing size outside acceptable range
- dd. Government Purpose Rights indexed incorrectly, should be “G”
- ee. Change in rights. Unlimited to Limited. Request PM to challenge marking
- ff. Invalid revision on ECP, current to new

- gg. Nonconforming copyright marking
- hh. Unapproved suffix to drawing and/or associated list
- ii. Distribution statement is stamped over existing data
- jj. Sheet revision does not match revision status block on sheet 1
- kk. Distribution statement outside border
- ll. Incomplete markings on image

5.3 Physical media protection. All CDs./DVDs shall be packaged such that the media (referred to as Delivery Package) is protected from dirt, moisture, and mechanical damage, such as scratching or bending, and exposure to light or heat. No special electromagnetic field protection shall be required. Paper documents (e.g. reports or tabulations), if used as part of a Delivery Package, shall be preserved and packaged IAW commercial practices and in a manner that will afford protection against corrosion, deterioration, and physical damage during shipment to the first receiving activity.

5.4. Marking.

5.4.1. CD/DVD. All media shall have identification information printed upon it identifying the contents of the media. The markings shall be accomplished using indelible ink. Gummed paper labels shall not be used.

5.4.1.1. Distribution statement. The media shall be marked with the most restrictive distribution statement of any document contained within the media.

5.4.1.2. Delivery package markings. The delivery package shall be conspicuously labeled with a warning "Fragile, Optical Media, Keep Away From Excessive Heat or Light, Do Not Bend". The delivery package shall contain the receiving POC address.

6. NOTES

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

6.1. Intended use. This document should be used to ensure that engineering data interface requirements are met. The intent of this standard is to utilize readily available digital media for exchange of information between data originators and government entities. Emphasis has been placed on defining data format and structures such that consistency can be maintained while incorporating new digital media that becomes widely utilized. The data structures described in the document are based on a media that supports a hierarchical file system and, as such, are applicable to a variety of transfer media. Alternative transfer media may be used by mutual written consent of the Data Originator, Contracting Officer, and the AMCOM CIO/G6 Information Management Division.

6.2 Subject Term (key word) listing.

CALS
PDF
Engineering Drawing
Technical Data Delivery
Interface Standard
Electronic File Transfer
Compact Disk
Digital Video Disk
AMCOM

6.3. First Article Inspection. Data originators submitting a delivery to the AMCOM CIO/G6 Information Management Division for the first time should be validated as to their ability to meet the requirements stated herein.

6.4. Conformance Inspection. The Government may perform a 100% conformance inspection of all deliveries to meet the requirements stated herein. The Government may reject any delivery for less than 100% conformance of all requirements stated herein. At the Government's discretion, it may partially accept a delivery. The data originator shall resubmit the rejected portion of the delivery at a later date. Data originators will be notified upon the acceptance or rejection of the delivery. A memorandum identifying the data being rejected and the reason for the rejection will be sent to the data originator. Data deliveries will not be returned to the data originator.

6.5. Data Rights/Restrictive Markings. Technical data, computer software documentation, and computer software which is delivered to the Government may not contain any restrictive markings (as to use, government rights, or further distribution) except those markings authorized by DFARS 252.227-7013, 252.227-7014, or 252.227-7018. Such authorized restrictive markings should not be used on deliverables until after the parties have acknowledged the contractor's claim asserting such restrictions by an attachment to the contract IAW the above DFARS clauses. See DFARS 252.227-7030 for additional government remedies regarding improperly marked deliverables. The Government's license rights in technical data, computer software documentation, and computer software as set forth in the contract clauses are independent of delivery or non-delivery.

Custodian:
Army - MI

Preparing Activity:
Army – MI

ECP MI-N3264
ECP MI-D3571
ECP MI-R5169

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APPENDIX A

DOCUMENT TYPE LISTINGS (DTL)

CODE	DOCUMENT TYPE
(blank)	Drawing or Aviation Specification
AM	Amendment
AL	Application List
CL	Classification of Defects List
CP	Equipment Development Specification
DL	Data List
EC	Inspection Equipment Calibration Procedure
ED	List of Equipment Depot Installed
EL	Inspection Equipment List
EM	List of Equipment - Manufacturer Installed
EP	Engineering Change Proposal (ECP)
ER	Engineering Release Record (ERR)
ET	List of Equipment - Troop Installed
ID	Interconnecting Diagram
IM	Instruction Manual
ME	Military Exception (AMCOM in-house only)
MS	Missile Specification (MIS), or Program Peculiar Specification/Missile Purchase Description (MPD)
NT	Notice
OI	Inspection Equipment Operating Instructions
PD	Packaging Data Sheet, or Special Packaging Instructions
PE	Performance Specification, Detail Design Document, Purchase Description, or Performance Specification Operating Instructions
PL	Parts List
PP	Aviation Spares Technical Data Procurement Package
PR	Process Specification
QR	Quality Requirements, or Quality Assurance Provisions
QS	Supplemental Quality Assurance Provisions (SQAP)
SC	Schematic Diagram
SM	Material Specification
SS	System Specification
SU	Supplement
TP	Test Procedure/Tape Procedure Computer Program
TR	Test Requirement

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TS	Test Specification
WD	Wiring Diagram
WL	Wiring List

(NOTE: For Document Type Codes not listed above, contact the AMCOM CIO/G6 Service Desk at 256-955-0196, or email at usarmy.redstone.amcom.mbx.g6-edms-tag@mail.mil.)

APPENDIX B

ACCOMPANYING DOCUMENTS TYPE LISTINGS (ADTL)

CODE	DOCUMENT TYPE
AD	Addendum
AM	Amendment to Specification
AN	Annex
AP	Appendix to the Table
D7	Stablebase Mylar certified TIF
D9	Digital Data
NR	Notice of Revision (NOR)
NT	Notice
SU	Supplement

(NOTE: For Accompanying Document Type Codes not listed above, contact the AMCOM CIO/G6 Service Desk at 256-955-0196, or email at usarmy.redstone.amcom.mbox.g6-edms-tag@mail.mil.)

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
1	RSTR	C4	C4			C4
2	VCTR	IGES	V3			IGS
3	CGM	CGM	T1			CGM
4	SGML	SGML				SGM
5	ASCI	TEXT				TXT
6	OFFL	OFFL				OFF
7	RSTR	NIFF				NIF
8	RSTR	CALS				CAL
9	BIN	UNKN				UNK
20	RSTR	TIFF	G6			TIF
21	RSTR	PCX	ALL	NATIVE		PCX
23	RSTR	EPS				EPS
25	RSTR	UNKN				RST
26	EXT					EXT
27	RSTR	CALS2	ALL	NATIVE		CT2
28	NIOF	NIOF	NIOF			NOF
29	DOC	PDF	V2.1	NATIVE		PDF
30	CAD	ACAD	R9	NATIVE		DWG
31	CAD	ACAD	R10	NATIVE		DWG
32	CAD	ACAD	R11	NATIVE		DWG
33	CAD	ACAD	R12	NATIVE		DWG
34	CAD	ACAD	R13	NATIVE		DWG
35	CAD	ACAD	R14	NATIVE		DWG
36	CAD	ACAD	R9	ZIP		ZIP
37	CAD	ACAD	R10	ZIP		ZIP
38	CAD	ACAD	R11	ZIP		ZIP
39	CAD	ACAD	R12	ZIP		ZIP
40	CAD	ACAD	R13	ZIP		ZIP
41	CAD	ACAD	R14	ZIP		DWG
42	CAD	ACAD3D	R13	NATIVE		DWG
43	CAD	ACAD3D	R13	ZIP		ZIP
44	VCTR	DXF	ALL	NATIVE		DXF
45	CAD	ALLEGR	V6	NATIVE		DGN
46	CAD	ALLEGR	V7	NATIVE		DGN
47	CAD	ALLEGR	V8	NATIVE		DGN
48	CAD	ALLEGR	V9	NATIVE		DGN
49	CAD	ALLEGR	V10	NATIVE		DGN
50	CAD	ALLEGR	V11	NATIVE		DGN
51	CAD	ALLEGR	V6	TAR		TAR

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53	CAD	ALLEGR	V8	TAR		TAR
54	CAD	ALLEGR	V9	TAR		TAR
55	CAD	ALLEGR	V10	TAR		TAR
56	CAD	ALLEGR	V11	TAR		TAR
57	CAD	ALLEGR	V6	ZIP		ZIP
58	CAD	ALLEGR	V7	ZIP		ZIP
59	CAD	ALLEGR	V8	ZIP		ZIP
60	CAD	ALLEGR	V9	ZIP		ZIP
61	CAD	ALLEGR	V10	ZIP		ZIP
62	CAD	ALLEGR	V11	ZIP		ZIP
63	CAD	ANVILU	R5.X	NATIVE		ANV
64	CAD	ANVILU	R5.X	TAR		TAR
65	CAD	ANVILW	R5.X	NATIVE		ANV
66	CAD	ANVILW	R5.X	ZIP		ZIP
67	PDES	AP201	I	NATIVE		TXT
68	PDES	AP202	E	NATIVE		TXT
69	PDES	AP202	F	NATIVE		TXT
70	PDES	AP202	I	NATIVE		TXT
71	PDES	AP203	I	NATIVE		TXT
72	PDES	AP207	E	NATIVE		TXT
73	PDES	AP207	F	NATIVE		TXT
74	PDES	AP207	I	NATIVE		TXT
75	PDES	AP210	E	NATIVE		TXT
76	PDES	AP210	F	NATIVE		TXT
77	PDES	AP210	I	NATIVE		TXT
78	PDES	AP213	E	NATIVE		TXT
79	PDES	AP213	F	NATIVE		TXT
80	PDES	AP213	I	NATIVE		TXT
81	PDES	AP214	E	NATIVE		TXT
82	PDES	AP214	F	NATIVE		TXT
83	PDES	AP214	I	NATIVE		TXT
84	PDES	AP223	E	NATIVE		TXT
85	PDES	AP223	F	NATIVE		TXT
86	PDES	AP223	I	NATIVE		TXT
87	PDES	AP224	E	NATIVE		TXT
88	PDES	AP224	F	NATIVE		TXT
89	PDES	AP224	I	NATIVE		TXT
90	PDES	AP232	E	NATIVE		TXT
91	PDES	AP232	F	NATIVE		TXT
92	PDES	AP232	I	NATIVE		TXT

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93	CAD	APOLLO	ALL	NATIVE		TXT
94	CAD	APOLLO	ALL	ZIP		ZIP
95	MFG	APT	ALL	NATIVE		APT
96	CAD	AUTB5K	ALL	NATIVE		AB5
97	CAD	AUTF5K	ALL	NATIVE		AF5
98	CAD	AUTM5K	ALL	NATIVE		AM5
99	CAD	AUTS7K	ALL	NATIVE		A70
100	MFG	BCL	ALL	NATIVE		BCL
101	RSTR	BMP	ALL	NATIVE		BMP
102	CAD	BRAVO	V3	NATIVE		BRA
103	CAD	BRAVO	V4.9	NATIVE		BRA
104	CAD	BRAVO	V3	TAR		TAR
105	CAD	BRAVO	V4.9	TAR		TAR
106	CAD	CADAM	V3	NATIVE		CDM
107	CAD	CADAM	V3	TAR		TAR
108	CAD	CADDS	V4.X	NATIVE		CAD
109	CAD	CADDS	V5.X	NATIVE		CAD
110	CAD	CADDS	V4.X	TAR		TAR
111	CAD	CADDS	V5.X	TAR		TAR
112	CAD	CADKEY	V6	NATIVE		CAD
113	CAD	CADKEY	V7	NATIVE		CAD
114	CAD	CADKEY	V6	ZIP		ZIP
115	CAD	CADKEY	V7	ZIP		ZIP
116	CAD	CADMPR	V3R6	NATIVE		CAD
117	CAD	CADMPR	V3R7	NATIVE		CAD
118	CAD	CADMPR	V3R6	TAR		TAR
119	CAD	CADMPR	V3R7	TAR		TAR
120	CAD	CATIA	V2	NATIVE		CAT
121	CAD	CATIA	V3	NATIVE		CAT
122	CAD	CATIA	V4.X	NATIVE		CAT
123	CAD	CATIA	V2	TAR		TAR
124	CAD	CATIA	V3	TAR		TAR
125	CAD	CATIA	V4.X	TAR		TAR
126	CAD	CATIA	V2	ZIP		ZIP
127	CAD	CATIA	V3	ZIP		ZIP
128	CAD	CATIA	V4.X	ZIP		ZIP
129	RSTR	CCG4	ALL	NATIVE		CG4
130	RSTR	CCGL	ALL	NATIVE		GL
131	RSTR	CCRF	ALL	NATIVE		RF
132	RSTR	CCRFIL	ALL	NATIVE		RFI

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133	RSTR	CCRFUN	ALL	NATIVE		RFU
134	VCTR	CGM	V2	NATIVE		CGM
135	SPRD	CLARM	V1	NATIVE		CLW
136	SPRD	CLARM	V2	NATIVE		CLW
137	SPRD	CLARM	V3	NATIVE		CLW
138	SPRD	CLARW	V1	NATIVE		CLW
139	SPRD	CLARW	V3	NATIVE		CLW
140	CAD	DGN	V4	NATIVE		DGN
141	CAD	DGN	V5	NATIVE		DGN
142	CAD	DGN	V4	TAR		TAR
143	CAD	DGN	V5	TAR		TAR
144	ASCI	DLF	ALL	NATIVE		DLF
145	ELEC	DMIS	1982	NATIVE		TXT
146	ELEC	DMIS	1994	NATIVE		TXT
147	ELEC	EDIF0	V2	NATIVE		EDI
148	ELEC	EDIF0	V3	NATIVE		EDI
149	ELEC	EDIF0	V4	NATIVE		EDI
150	ELEC	EDIF1	V2	NATIVE		EDI
151	ELEC	EDIF1	V3	NATIVE		EDI
152	ELEC	EDIF1	V4	NATIVE		EDI
153	ELEC	EDIF2	V2	NATIVE		EDI
154	ELEC	EDIF2	V3	NATIVE		EDI
155	ELEC	EDIF2	V4	NATIVE		EDI
156	ELEC	EIA274	1988	NATIVE		EIA
157	ELEC	GERBER	ALL	NATIVE		EIA
158	CAD	EMS	V2.2	NATIVE		EMS
159	CAD	EMS	V3	NATIVE		EMS
160	CAD	EMS	V2.2	TAR		TAR
161	CAD	EMS	V3	TAR		TAR
162	CAD	EMS	V2.2	ZIP		ZIP
163	CAD	EMS	V3	ZIP		ZIP
164	RSTR	IGCIT	ALL	NATIVE		CIT
165	BIN	IGVDS	V2	NATIVE		VDS
166	BIN	IGVDS	V2	TAR		TAR
167	CAD	IROUTE	V2	NATIVE		IR
168	CAD	IROUTE	V2	TAR		IR
169	CAD	ISTRCT	V2	NATIVE		IS
170	CAD	ISTRCT	V2	TAR		IS
171	CAD	INTRLE		NATIVE		RLE
172	RSTR	EPS1	ALL	NATIVE		EPS

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
173	RSTR	EPS2	ALL	NATIVE		EPS
174	SPRD	EXCEL	V1	NATIVE		XLS
175	SPRD	EXCEL	V2.2	NATIVE		XLS
176	SPRD	EXCEL	V3M	NATIVE		XLS
177	SPRD	EXCEL	V3W	NATIVE		XLS
178	SPRD	EXCEL	V4M	NATIVE		XLS
179	SPRD	EXCEL	V4W	NATIVE		XLS
180	SPRD	EXCEL	V5	NATIVE		XLS
181	SPRD	EXCEL	V7	NATIVE		XLS
182	VCTR	HPGL	ALL	NATIVE		HPL
183	VCTR	HPGL2	ALL	NATIVE		HPL
184	DOC	HTML	V1	NATIVE		HTM
185	DOC	HTML	V2	NATIVE		HTM
186	DOC	HTML	V3	NATIVE		HTM
187	DOC	IADS	V1	NATIVE		IAD
188	DOC	IADS	V2	NATIVE		IAD
189	CAD	IDEAS	V2	TAR		TAR
190	CAD	IDEAS	V2.1	TAR		TAR
191	CAD	IDEAS	V3	TAR		TAR
192	CAD	IDEAS	V2	ZIP		ZIP
193	VCTR	IGES	V4	NATIVE		IGS
194	VCTR	IGES	V5	NATIVE		IGS
195	VCTR	IGES	V5.2	NATIVE		IGS
196	DOC	INTLMT	V6	NATIVE		INT
197	DOC	INTLSG	V6	NATIVE		INT
198	DOC	INTLWN	V6	NATIVE		INT
199	ELEC	IPC	VB	NATIVE		IPC
200	ELEC	IPC	VC	NATIVE		IPC
201	ELEC	IPC	VD	NATIVE		IPC
202	DOC	IPDF	ALL	ZIP		ZIP
203	RSTR	JPEG	V6	NATIVE		JPG
204	SPRD	LT123O	R2	NATIVE		WKS
205	SPRD	LT123W	V1	NATIVE		WKS
206	SPRD	LT123W	V2	NATIVE		WKS
207	SPRD	LT123W	V3	NATIVE		WKS
208	SPRD	LT123W	V4	NATIVE		WKS
209	SPRD	LT123W	V5	NATIVE		WKS
210	ELEC	MENTOR	V7	TAR		TAR
211	ELEC	MENTOR	V8	TAR		TAR
212	VCTR	PCI	ALL	NATIVE		PCI

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213	VCTR	PCL	ALL	NATIVE		PCL
214	DOC	RTF		NATIVE		RTF
215	RSTR	PERMS	V4	NATIVE		PMS
216	RSTR	PICT1	ALL	NATIVE		PIC
217	RSTR	PICT2	ALL	NATIVE		PIC
218	VCTR	PLOT	907	NATIVE		PLT
219	CAD	PROE	V13	NATIVE		PRO
220	CAD	PROE	V14	NATIVE		PRO
221	CAD	PROE	V15	NATIVE		PRO
222	CAD	PROE	V16	NATIVE		PRO
223	CAD	PROE	V17	NATIVE		PRO
224	CAD	PROE	V13	TAR		TAR
225	CAD	PROE	V14	TAR		TAR
226	CAD	PROE	V15	TAR		TAR
227	CAD	PROE	V16	TAR		TAR
228	CAD	PROE	V17	TAR		TAR
229	MFG	PROM	V13	NATIVE		PRO
230	MFG	PROM	V14	NATIVE		PRO
231	MFG	PROM	V15	NATIVE		PRO
232	MFG	PROM	V13	TAR		TAR
233	MFG	PROM	V14	TAR		TAR
234	MFG	PROM	V15	TAR		TAR
235	RSTR	PS1	ALL	NATIVE		PS1
236	RSTR	PS2	ALL	NATIVE		PS2
237	RSTR	PTO	ALL	NATIVE		PTO
238	MFG	RS494	VB	NATIVE		RS
239	MFG	STL	ALL	NATIVE		STL
240	CAD	THEDA	V2.1	TAR		TAR
241	CAD	THEDA	V3.1	TAR		TAR
242	CAD	THEDA	V3.2	TAR		TAR
243	CAD	THEDA	V4	TAR		TAR
244	CAD	THEDTL	V2.1	NATIVE		THE
245	CAD	THEDTL	V3.1	NATIVE		THE
246	CAD	THEDTL	V3.2	NATIVE		THE
247	CAD	THEDTL	V4	NATIVE		THE
248	RSTR	TIFF	ALL	LZW		TIF
249	RSTR	TIFF	ALL	UNCOM		TIF
250	RSTR	TIFFG	G3	CCG3		TIF
251	RSTR	TIFFG	G3-2	CCG3		TIF
252	RSTR	TIFFG	G4	CCG4		TIF

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253	RSTR	TRDMRK	ALL	NATIVE		TRD
254	CAD	UCADAM	R14	TAR		TAR
255	CAD	UCADAM	R14	ZIP		ZIP
256	CAD	UCADMP	R14.1	NATIVE		UCA
257	CAD	UCADMP	R14	NATIVE		UCA
258	CAD	UCADMP	V1R5M1	NATIVE		UCA
259	CAD	UCADMP	R14	ZIP		ZIP
260	CAD	UCADMP	V1R5M1	ZIP		ZIP
261	CAD	UDRAFT	V3.1	NATIVE		UDR
262	CAD	UDRAFT	V3.1	TAR		TAR
263	CAD	UDRAFT	V3.1	ZIP		ZIP
264	CAD	UG	V9.1	NATIVE		UG
265	CAD	UG	V9.2	NATIVE		UG
266	CAD	UG	V10.4	NATIVE		UG
267	CAD	UG	V10.5	NATIVE		UG
268	CAD	UG	V11.X	NATIVE		UG
269	CAD	UG	V9.1	TAR		TAR
270	CAD	UG	V9.2	TAR		TAR
271	CAD	UG	V10.4	TAR		TAR
272	CAD	UG	V10.5	TAR		TAR
273	CAD	UG	V11.X	TAR		TAR
274	RSTR	VERSAT	ALL	NATIVE		VER
275	DOC	WORD	V1	NATIVE		DOC
276	DOC	WORD	V2	NATIVE		DOC
277	DOC	WORD	V5	NATIVE		DOC
278	DOC	WORD	V6	NATIVE		DOC
279	DOC	WORD	V7	NATIVE		DOC
280	DOC	WPDOS	V4.2	NATIVE		WPD
281	DOC	WPDOS	V5	NATIVE		WPD
282	DOC	WPMAC	V1	NATIVE		WPD
283	DOC	WPMAC	V2	NATIVE		WPD
284	DOC	WPMAC	V3	NATIVE		WPD
285	DOC	WPWIN	V6	NATIVE		WPD
286	VID	VIDEO		NATIVE		AVI
287	SND	SOUND		NATIVE		WAV
288	CAD	ABEL	V3.X	ZIP		ZIP
289	CAD	ABEL	V4.X	ZIP		ZIP
290	CAD	ABEL	V5.X	ZIP		ZIP
291	CAD	ABEL	V6.X	ZIP		ZIP
292	ELEC	AMXBI	V1.X	ZIP		ZIP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
293	ELEC	ASHXSP	HEX	ZIP		ZIP
294	ELEC	ASBI		ZIP		ZIP
295	ASCI	TEXT		ZIP		ZIP
296	ASCI	ATLAS		ZIP		ZIP
297	CAD	CADDS	V5.X	ZIP		ZIP
298	BIN	DEBIHX	F11	ZIP		ZIP
299	VCTR	DXF	V12	ZIP		ZIP
300	ELEC	EDIFNL	V200	ZIP		ZIP
301	ELEC	EDIFSC	V200	ZIP		ZIP
302	ELEC	EDIFNL	V300	ZIP		ZIP
303	ELEC	EDIFSC	V300	ZIP		ZIP
304	ELEC	EDIFNL	V400	ZIP		ZIP
305	ELEC	EDIFSC	V400	ZIP		ZIP
306	ELEC	GERBER	274X	ZIP		ZIP
307	ELEC	GBRSTD	RS274C	ZIP		ZIP
308	ELEC	GBRSTD	RS274D	ZIP		ZIP
309	ELEC	ASHEX		ZIP		ZIP
310	ELEC	ITHX		ZIP		ZIP
311	ELEC	IHM8		ZIP		ZIP
312	ELEC	IPC	VB	ZIP		ZIP
313	ELEC	IPC	VC	ZIP		ZIP
314	ELEC	IPC	VD	ZIP		ZIP
315	ELEC	JESD3		ZIP		ZIP
316	ELEC	JESD3	A	ZIP		ZIP
317	ELEC	JESD3	B	ZIP		ZIP
318	ELEC	JESD3	C	ZIP		ZIP
319	CAD	MXPLU	V1.X	ZIP		ZIP
320	ELEC	MCS86		MCS		MCS
321	ELEC	TKHX		ZIP		ZIP
322	ELEC	M32S3		ZIP		ZIP
323	ELEC	MEXOR		ZIP		ZIP
324	SPRD	ACCESS	V97	ZIP		ZIP
325	DOC	WORD	V6.X	ZIP		ZIP
326	CAD	ORCADC	V7.X	ZIP		ZIP
327	CAD	PADSP	V5.X	ZIP		ZIP
328	CAD	PADS2	V3.X	ZIP		ZIP
329	CAD	PPP	R2.1	ZIP		ZIP
330	CAD	PALAS2	V2.X	ZIP		ZIP
331	CAD	PALAS4	V1.X	ZIP		ZIP
332	ASCI	PASCAL		ZIP		ZIP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
333	CAD	PCAD	V8.X	ZIP		ZIP
334	CAD	PPCB	V2.X	ZIP		ZIP
335	ASCI	QBASIC	V4.X	ZIP		ZIP
336	CAD	RCRD		ZIP		ZIP
337	CAD	SPDE	V5.X	ZIP		ZIP
338	RSTR	TIFF	V5	ZIP		ZIP
339	ASCI	UNKNAF		ZIP		ZIP
340	BIN	UNKNBF		ZIP		ZIP
341	CAD	VBSCB	V14.X	ZIP		ZIP
342	CAD	VBPCB	V14.X	ZIP		ZIP
343	CAD	VWDR95	V7.X	ZIP		ZIP
344	CAD	VWDR95	V5.X	ZIP		ZIP
345	SPRD	ACCESS	V97	NATIVE		MDB
346	VCTR	CGM	V3	NATIVE		CGM
347	VCTR	CGM	V4	NATIVE		CGM
348	BIN	FLOPPY	ALL	ZIP		ZIP
349	CAD	PERDES	MICRO	NATIVE		DRW
350	CAD	SLD	98	NATIVE		DRW
351	CAD	ACAD	2000	NATIVE		DWG
352	CAD	ACAD	2000	ZIP		ZIP
353	SPRD	EXCEL	97	NATIVE		XLS
354	DOC	WORD	97	NATIVE		DOC
355	SPRD	LT123W	V6	NATIVE		WK3
356	SPRD	LT123W	V7	NATIVE		WK4
357	CAD	ICEMDN	V3.X	ZIP		ZIP
358	CAD	PROE	V18	ZIP		ZIP
359	CAD	PROE	V2000	ZIP		ZIP
360	DOC	WPWIN	V7	NATIVE		WPD
361	DOC	WPWIN	V8	NATIVE		WPD
362	DOC	WPWIN	V9	NATIVE		WPD
363	DOC	WORD	V2000	NATIVE		DOC
364	SPRD	EXCEL	V2000	NATIVE		XLS
365	DB	ACCESS	V2000	NATIVE		MDB
366	VCTR	DXF	V12	NATIVE		DXF
367	VCTR	DXF	V13	NATIVE		DXF
368	VCTR	DXF	V14	NATIVE		DXF
369	VCTR	DXF	V2000	NATIVE		DXF
370	ELEC	VHDL	1987	ZIP		ZIP
371	ELEC	VHDL	1993	ZIP		ZIP
372	CAD	CAM350	V4.X	ZIP		ZIP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
373	CAD	CAM350	V5.X	ZIP		ZIP
374	CAD	CAM350	V6.X	ZIP		ZIP
375	CAD	ORCAD	V8.X	ZIP		ZIP
376	CAD	ORCAD	V9.X	ZIP		ZIP
377	CAD	PROE	V19.X	ZIP		ZIP
378	CAD	PROE	V20.X	ZIP		ZIP
379	DOC	INTL	V7.X	ZIP		ZIP
380	ELEC	VHDL	V1999	ZIP		ZIP
381	CAD	VISIO	V4.X	ZIP		ZIP
382	CAD	VISIO	V5.X	ZIP		ZIP
383	CAD	VISIO	V2000	ZIP		ZIP
384	CAD	SCHEMA	ALL	ZIP		ZIP
385	CAD	VRBST	V98.X	ZIP		ZIP
386	CAD	VRBST	V99.X	ZIP		ZIP
387	CAD	CADRA	V10.X	NATIVE		CAD
388	CAD	CADRA	V10.X	ZIP		ZIP
389	CAD	CADRA	V10.X	TAR		TAR
390	CAD	CADRA	V11.X	NATIVE		CAD
391	CAD	CADRA	V11.X	ZIP		ZIP
392	CAD	CADRA	V11.X	TAR		TAR
393	CAD	CADRA	9	ZIP		ZIP
394	CAD	CADRA	9	TAR		TAR
395	CAD	CADRA	9	CAD		CAD
396	CAD	CADRA	10	ZIP		ZIP
397	CAD	CADRA	10	TAR		TAR
398	CAD	CADRA	10	CAD		CAD
399	CAD	CADRA	11	ZIP		ZIP
400	CAD	CADRA	11	TAR		TAR
401	CAD	CADRA	11	CAD		CAD
402	CAD	ENCORE	V1.X	ZIP		ZIP
403	CAD	HEXMCD	4X	NATIVE		MCD
404	CAD	HEXMCD	5X	NATIVE		MCD
405	CAD	PCAD	V15.X	NATIVE		PCB
406	CAD	PCAD	V2000	ZIP		ZIP
407	CAD	PCAD	V2000	NATIVE		PCB
408	CAD	PCAD	V2001	ZIP		ZIP
409	CAD	PCAD	V2001	NATIVE		PCB
410	CAD	PERDES	6.X	NATIVE		DRW
411	CAD	PPP	3.X	ZIP		ZIP
412	CAD	PROE	18	TAR		TAR

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
413	CAD	PROE	18	CAD		CAD
414	CAD	PROE	19	TAR		TAR
415	CAD	PROE	19	CAD		CAD
416	CAD	PROE	20	TAR		TAR
417	CAD	PROE	20	CAD		CAD
418	CAD	PTATX	1.X	ZIP		ZIP
419	CAD	PTL	V99	ZIP		ZIP
420	CAD	UCADMP	V14.X	NATIVE		DTF
421	CAD	UCADMP	V14.X	ZIP		ZIP
422	CAD	UCADMP	V14.X	TAR		TAR
423	CAD	UG	V12.X	NATIVE		UG
424	CAD	UG	V12.X	ZIP		ZIP
425	CAD	UG	V12.X	TAR		TAR
426	CAD	UG	V13.X	NATIVE		UG
427	CAD	UG	V13.X	ZIP		ZIP
428	CAD	UG	V13.X	TAR		TAR
429	CAD	UG	V14.X	NATIVE		UG
430	CAD	UG	V14.X	ZIP		ZIP
431	CAD	UG	V14.X	TAR		TAR
432	CAD	UG	V15.X	NATIVE		UG
433	CAD	UG	V15.X	ZIP		ZIP
434	CAD	UG	V15.X	TAR		TAR
435	CAD	UG	V16.X	NATIVE		UG
436	CAD	UG	V16.X	ZIP		ZIP
437	CAD	UG	V16.X	TAR		TAR
438	CAD	VISULA	V5.X	ZIP		ZIP
439	DOC	PDF	V3.X	NATIVE		PDF
440	DOC	PDF	V4.X	NATIVE		PDF
441	DOC	PDF	V5.X	NATIVE		PDF
442	DOC	PLSTA	2.X	NATIVE		PL
443	ELEC	GENCAM	1.X	ZIP		ZIP
444	ELEC	GENCAM	2000	ZIP		ZIP
445	ELEC	MENTOR	V7	ZIP		ZIP
446	ELEC	MENTOR	V8	ZIP		ZIP
447	ELEC	ODB++	V5.X	ZIP		ZIP
448	ELEC	ODB++	V5.X	NATIVE		ODB
449	ELEC	ODB++	V5.X	Z		Z
450	CAD	DESGR	R2000	NATIVE		ADB
451	CAD	DESGR	R2001	NATIVE		ADB
452	CAD	DESGR	R2000	NATIV1		AFM

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
453	CAD	DESGR	R2001	NATIV2		AFM
454	CAD	CATIA	V5.X	NATIVE		CAT
455	CAD	CCD	V4.X	NATIVE		CCD
456	CAD	CCD	V5.X	NATIVE		CCD
457	DOC	WORD	V2002	NATIVE		DOC
458	CAD	ANV1MD	V4.X	NATIVE		DRW
459	CAD	ANV1MD	V5.X	NATIVE		DRW
460	CAD	PROE	V18	CAD		DRW
461	CAD	PROE	V2000	CAD		DRW
462	CAD	PROE	V2001	CAD		DRW
463	CAD	ACAD	2002	NATIVE		DWG
464	VCTR	DXF	V2002	NATIVE		DXF
465	DB	ACCESS	V2002	NATIVE		MDB
466	RSTR	C4	C4	NATIVE		MIL
467	CAD	VISULA	V6.X	NATIVE		PCB
468	VCTR	HPGL	ALL	NATIV1		PLT
469	VCTR	HPGL2	ALL	NATIV1		PLT
470	VCTR	HPGL2	V2	NATIVE		PLT
471	ELEC	POF	ALL	NATIVE		POF
472	DOC	PWRPPT	V2002	NATIVE		PPT
473	CAD	UG	V16.X	NATIV1		PRT
474	CAD	UG	V17.X	NATIVE		PRT
475	CAD	UG	V18.X	NATIVE		PRT
476	PDES	AP201	ICL1	NATIVE		STP
477	PDES	AP202	ICL1	NATIVE		STP
478	PDES	AP202	ICL10	NATIVE		STP
479	PDES	AP202	ICL2	NATIVE		STP
480	PDES	AP202	ICL3	NATIVE		STP
481	PDES	AP202	ICL4	NATIVE		STP
482	PDES	AP202	ICL5	NATIVE		STP
483	PDES	AP202	ICL6	NATIVE		STP
484	PDES	AP202	ICL7	NATIVE		STP
485	PDES	AP202	ICL8	NATIVE		STP
486	PDES	AP202	ICL9	NATIVE		STP
487	PDES	AP203	ICL1	NATIVE		STP
488	PDES	AP203	ICL2	NATIVE		STP
489	PDES	AP203	ICL3	NATIVE		STP
490	PDES	AP203	ICL4	NATIVE		STP
491	PDES	AP203	ICL5	NATIVE		STP
492	PDES	AP203	ICL6	NATIVE		STP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
493	PDES	AP204	ICL1	NATIVE		STP
494	PDES	AP207	ICL1	NATIVE		STP
495	PDES	AP207	ICL10	NATIVE		STP
496	PDES	AP207	ICL11	NATIVE		STP
497	PDES	AP207	ICL12	NATIVE		STP
498	PDES	AP207	ICL13	NATIVE		STP
499	PDES	AP207	ICL14	NATIVE		STP
500	PDES	AP207	ICL2	NATIVE		STP
501	PDES	AP207	ICL3	NATIVE		STP
502	PDES	AP207	ICL4	NATIVE		STP
503	PDES	AP207	ICL5	NATIVE		STP
504	PDES	AP207	ICL6	NATIVE		STP
505	PDES	AP207	ICL7	NATIVE		STP
506	PDES	AP207	ICL8	NATIVE		STP
507	PDES	AP207	ICL9	NATIVE		STP
508	PDES	AP209	ICL1	NATIVE		STP
509	PDES	AP210	ICL1	NATIVE		STP
510	PDES	AP210	ICL10	NATIVE		STP
511	PDES	AP210	ICL11	NATIVE		STP
512	PDES	AP210	ICL12	NATIVE		STP
513	PDES	AP210	ICL13	NATIVE		STP
514	PDES	AP210	ICL14	NATIVE		STP
515	PDES	AP210	ICL15	NATIVE		STP
516	PDES	AP210	ICL16	NATIVE		STP
517	PDES	AP210	ICL17	NATIVE		STP
518	PDES	AP210	ICL18	NATIVE		STP
519	PDES	AP210	ICL19	NATIVE		STP
520	PDES	AP210	ICL2	NATIVE		STP
521	PDES	AP210	ICL20	NATIVE		STP
522	PDES	AP210	ICL21	NATIVE		STP
523	PDES	AP210	ICL22	NATIVE		STP
524	PDES	AP210	ICL23	NATIVE		STP
525	PDES	AP210	ICL24	NATIVE		STP
526	PDES	AP210	ICL25	NATIVE		STP
527	PDES	AP210	ICL26	NATIVE		STP
528	PDES	AP210	ICL27	NATIVE		STP
529	PDES	AP210	ICL28	NATIVE		STP
530	PDES	AP210	ICL29	NATIVE		STP
531	PDES	AP210	ICL3	NATIVE		STP
532	PDES	AP210	ICL4	NATIVE		STP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
533	PDES	AP210	ICL5	NATIVE		STP
534	PDES	AP210	ICL6	NATIVE		STP
535	PDES	AP210	ICL7	NATIVE		STP
536	PDES	AP210	ICL8	NATIVE		STP
537	PDES	AP210	ICL9	NATIVE		STP
538	PDES	AP212	ICL1	NATIVE		STP
539	PDES	AP212	ICL2	NATIVE		STP
540	PDES	AP212	ICL3	NATIVE		STP
541	PDES	AP212	ICL4	NATIVE		STP
542	PDES	AP214	ICL1	NATIVE		STP
543	PDES	AP214	ICL10	NATIVE		STP
544	PDES	AP214	ICL11	NATIVE		STP
545	PDES	AP214	ICL12	NATIVE		STP
546	PDES	AP214	ICL13	NATIVE		STP
547	PDES	AP214	ICL14	NATIVE		STP
548	PDES	AP214	ICL15	NATIVE		STP
549	PDES	AP214	ICL16	NATIVE		STP
550	PDES	AP214	ICL17	NATIVE		STP
551	PDES	AP214	ICL18	NATIVE		STP
552	PDES	AP214	ICL19	NATIVE		STP
553	PDES	AP214	ICL2	NATIVE		STP
554	PDES	AP214	ICL20	NATIVE		STP
555	PDES	AP214	ICL3	NATIVE		STP
556	PDES	AP214	ICL4	NATIVE		STP
557	PDES	AP214	ICL5	NATIVE		STP
558	PDES	AP214	ICL6	NATIVE		STP
559	PDES	AP214	ICL7	NATIVE		STP
560	PDES	AP214	ICL8	NATIVE		STP
561	PDES	AP214	ICL9	NATIVE		STP
562	PDES	AP224	ICL1	NATIVE		STP
563	PDES	AP225	ICL1	NATIVE		STP
564	PDES	AP225	ICL10	NATIVE		STP
565	PDES	AP225	ICL11	NATIVE		STP
566	PDES	AP225	ICL12	NATIVE		STP
567	PDES	AP225	ICL13	NATIVE		STP
568	PDES	AP225	ICL14	NATIVE		STP
569	PDES	AP225	ICL2	NATIVE		STP
570	PDES	AP225	ICL3	NATIVE		STP
571	PDES	AP225	ICL4	NATIVE		STP
572	PDES	AP225	ICL5	NATIVE		STP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
573	PDES	AP225	ICL6	NATIVE		STP
574	PDES	AP225	ICL7	NATIVE		STP
575	PDES	AP225	ICL8	NATIVE		STP
576	PDES	AP225	ICL9	NATIVE		STP
577	PDES	AP227	ICL1	NATIVE		STP
578	PDES	AP227	ICL2	NATIVE		STP
579	PDES	AP227	ICL3	NATIVE		STP
580	PDES	AP227	ICL4	NATIVE		STP
581	PDES	AP232	ICL1	NATIVE		STP
582	CAD	CATIA	V5.X	TAR		TAR
583	CAD	CCD	V4.X	TAR		TAR
584	CAD	CCD	V5.X	TAR		TAR
585	CAD	PROE	V2001	TAR		TAR
586	CAD	UG	V17.X	TAR		TAR
587	CAD	UG	V18.X	TAR		TAR
588	CAD	VISIO	V2002	NATIVE		VDS
589	DOC	WPWIN	V10	NATIVE		WPD
590	SPRD	EXCEL	V2002	NATIVE		XLS
591	CAD	ACAD	2002	ZIP		ZIP
592	ELEC	ACEPLU	V12.X	ZIP		ZIP
593	CAD	ANV1MD	V4.X	ZIP		ZIP
594	CAD	ANV1MD	V5.X	ZIP		ZIP
595	CAD	CATIA	V5.X	ZIP		ZIP
596	CAD	CCD	V4.X	ZIP		ZIP
597	CAD	CCD	V5.X	ZIP		ZIP
598	CAD	DESGR	R2000	ZIP		ZIP
599	CAD	DESGR	R2001	ZIP		ZIP
600	CAD	MXPLII	V5.X	ZIP		ZIP
601	CAD	MXPLII	V6.X	ZIP		ZIP
602	CAD	MXPLII	V7.X	ZIP		ZIP
603	CAD	MXPLII	V8.X	ZIP		ZIP
604	ELEC	POF	ALL	ZIP		ZIP
605	CAD	PPP	4.X	ZIP		ZIP
606	CAD	PPP	5.X	ZIP		ZIP
607	CAD	PROE	V2001	ZIP		ZIP
608	CAD	SYNPL	V6.X	ZIP		ZIP
609	CAD	SYNPL	V7.X	ZIP		ZIP
610	CAD	UG	V17.X	ZIP		ZIP
611	CAD	UG	V18.X	ZIP		ZIP
612	CAD	VISULA	V6.X	ZIP		ZIP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
613	ELEC	WEBPK	V3.X	ZIP		ZIP
614	VCTR	DWF	ALL	NATIVE		DWF
615	CAD	SLE	14	ASM		ASM
616	CAD	ACAD	2004	DWG		DWG
617	CAD	ACAD	2004	DXF		DXF
618	CAD	EXP	V4.X	EXP		EXP
619	CAD	AINV	V6.X	IAM		IAM
620	CAD	AINV	V7.X	IAM		IAM
621	CAD	AINV	V6.X	IDV		IDV
622	CAD	AINV	V7.X	IDV		IDV
623	CAD	AINV	V6.X	IDW		IDW
624	CAD	AINV	V7.X	IDW		IDW
625	CAD	AINV	V6.X	IPJ		IPJ
626	CAD	AINV	V7.X	IPJ		IPJ
627	CAD	AINV	V6.X	IPN		IPN
628	CAD	AINV	V7.X	IPN		IPN
629	CAD	AINV	V6.X	IPT		IPT
630	CAD	AINV	V7.X	IPT		IPT
631	CAD	CYPW	V5.X	ISR		ISR
632	CAD	CYPW	V6.X	ISR		ISR
633	CAD	CYPW	V7.X	ISR		ISR
634	CAD	NUR	V4.X	NUR		NUR
635	CAD	SLE	12	PAR		PAR
636	CAD	SLE	14	PAR		PAR
637	CAD	CAD	PPP	3.X		PCB
638	CAD	CAD	PPP	4.X		PCB
639	CAD	CAD	PPP	5.X		PCB
640	CAD	P-CAD	V14.X	PCB		PCB
641	CAD	P-CAD	V2.X	PCB		PCB
642	CAD	P-CAD	V4.X	PCB		PCB
643	CAD	P-CAD	V6.X	PCB		PCB
644	CAD	UG	V19.X	PRT		PRT
645	CAD	SLE	12	PSM		PSM
646	CAD	SLE	14	PSM		PSM
647	CAD	SLE	12	PWD		PWD
648	CAD	SLE	14	PWD		PWD
649	CAD	P-CAD	V2.X	SCH		SCH
650	CAD	P-CAD	V2001	SCH		SCH
651	CAD	P-CAD	V8.X	SCH		SCH
652	CAD	UG	V19.X	TAR		TAR

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
653	CAD	EXP	V4.X	TAR		TAR
654	CAD	NUR	V4.X	TAR		TAR
655	CAD	UG	V17.X	UDF		UDF
656	CAD	UG	V18.X	UDF		UDF
657	CAD	UG	V19.X	UDF		UDF
658	CAD	SLE	12	ZIP		ZIP
659	CAD	SLE	14	ZIP		ZIP
660	CAD	DXVD	R8.X	ZIP		ZIP
661	CAD	DXVD	R9.X	ZIP		ZIP
662	CAD	P-CAD	V14.X	ZIP		ZIP
663	CAD	UG	V19.X	ZIP		ZIP
664	CAD	P-CAD	V2.X	ZIP		ZIP
665	CAD	P-CAD	V2001	ZIP		ZIP
666	CAD	VISULA	V3.X	ZIP		ZIP
667	CAD	EXP	V4.X	ZIP		ZIP
668	CAD	NUR	V4.X	ZIP		ZIP
669	CAD	P-CAD	V4.X	ZIP		ZIP
670	CAD	VISULA	V4.X	ZIP		ZIP
671	CAD	CYPW	V5.X	ZIP		ZIP
672	CAD	AINV	V6.X	ZIP		ZIP
673	CAD	CYPW	V6.X	ZIP		ZIP
674	CAD	P-CAD	V6.X	ZIP		ZIP
675	CAD	AINV	V7.X	ZIP		ZIP
676	CAD	CYPW	V7.X	ZIP		ZIP
677	CAD	P-CAD	V8.X	ZIP		ZIP
678	CAD	SLE	12	ASM		ASM
679	CAD	UG	NX2	UDF		UDF
680	CAD	AINV	V8.X	ZIP		ZIP
681	ELEC	GBACMK	V7.X	ZIP		ZIP
682	ELEC	GBACMK	V8.X	ZIP		ZIP
683	ELEC	GBACMK	V9.X	ZIP		ZIP
684	ELEC	GBACMK	V10.X	ZIP		ZIP
685	CAD	MXPLII	V9.X	ZIP		ZIP
686	CAD	MXPLII	V10.X	ZIP		ZIP
687	CAD	MXPLII	V11.X	ZIP		ZIP
688	CAD	MXPLII	V12.X	ZIP		ZIP
689	CAD	MXPLII	V9.X	NATIVE		POF
690	CAD	MXPLII	V10.X	NATIVE		POF
691	CAD	MXPLII	V11.X	NATIVE		POF
692	CAD	MXPLII	V12.X	NATIVE		POF

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
693	CAD	ACAD	2005	NATIVE		DWG
694	CAD	ACAD	2006	NATIVE		DWG
695	CAD	ACAD	2005	DXF		DXF
696	CAD	ACAD	2006	DXF		DXF
697	DB	ACCESS	V2003	NATIVE		MDB
698	CAD	AINV	V10	NATIVE		DWG
699	CAD	AINV	V10	ZIP		ZIP
700	CAD	ALLEGR	V12	NATIVE		BRD
701	CAD	ALLEGR	V13	NATIVE		BRD
702	CAD	ALLEGR	V14	NATIVE		BRD
703	CAD	ALLEGR	V12	ZIP		ZIP
704	CAD	ALLEGR	V13	ZIP		ZIP
705	CAD	ALLEGR	V14	ZIP		ZIP
706	PDES	AP203	ICL1	ZIP		ZIP
708	CAD	CONCPT	V14	ZIP		ZIP
709	CAD	CONCPT	V13	ZIP		ZIP
710	CAD	CONCPT	V12	ZIP		ZIP
711	CAD	CONCPT	V11	ZIP		ZIP
712	CAD	CONCPT	V10	ZIP		ZIP
713	SPRD	EXCEL	V2003	NATIVE		XLS
714	CAD	MXPLII	V5.X	NATIVE		BIN
715	CAD	MXPLII	V6.X	NATIVE		BIN
716	CAD	MXPLII	V7.X	NATIVE		BIN
717	CAD	MXPLII	V8.X	NATIVE		BIN
718	CAD	MXPLII	V9.X	BIN		BIN
719	CAD	MXPLII	V10.X	BIN		BIN
720	CAD	MXPLII	V11.X	BIN		BIN
721	CAD	MXPLII	V12.X	BIN		BIN
722	CAD	ORCAD	V4.X	NATIVE		SCH
723	CAD	ORCAD	V10.X	NATIVE		SCH
724	CAD	ORCAD	V11.X	NATIVE		SCH
725	CAD	ORCAD	V12.X	NATIVE		SCH
726	CAD	ORCAD	V13.X	NATIVE		SCH
727	CAD	ORCAD	V14.X	NATIVE		SCH
728	CAD	ORCAD	V4.X	ZIP		ZIP
729	CAD	ORCAD	V10.X	ZIP		ZIP
730	CAD	ORCAD	V11.X	ZIP		ZIP
731	CAD	ORCAD	V12.X	ZIP		ZIP
732	CAD	ORCAD	V13.X	ZIP		ZIP
733	CAD	ORCAD	V14.X	ZIP		ZIP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
734	DOC	PWRPPT	V2003	NATIVE		PPT
735	CAD	UG	NX2	NATIVE		PRT
736	CAD	UG	NX3	NATIVE		PRT
737	CAD	UG	NX2	TAR		TAR
738	CAD	UG	NX3	TAR		TAR
739	CAD	UG	NX2	ZIP		ZIP
740	CAD	UG	NX3	ZIP		ZIP
741	DOC	WORD	V2003	NATIVE		DOC
742	CAD	UG	NX2	JT		JT
743	CAD	UG	NX3	JT		JT
744	VID	VIDEO	MJPA	NATIVE	V3.1	WAV
745	DB	ACCESS	V2007	NATIVE		MDB
746	DOC	WORD	V2007	NATIVE		DOC
747	DOC	PWRPPT	V2007	NATIVE		PPT
748	SPRD	EXCEL	V2007	NATIVE		XLS
749	CAD	ACAD	2007	NATIVE		DWG
750	CAD	ACAD	2008	NATIVE		DWG
751	DOC	PDF	V1.6	NATIVE		PDF
752	DOC	PDF	V1.7	NATIVE		PDF
753	DOC	PDF	V1.5	NATIVE		PDF
754	CAD	KELC51	8051	ZIP		ZIP
755	CAD	ACAD	2007	ZIP		ZIP
756	CAD	XLX130	V5	ZIP		ZIP
757	CAD	SWPART	2009	NATIVE		SLD
758	CAD	SWASSM	2009	NATIVE		SLD
759	VCTR	SWCAD	2009	NATIVE		SLD
49998	JPDF	JPDF	JPDF	JPDF		PDF
50000	42					0
50004	DWG	DWG				DWG
50006	DXF	DXF				DXF
50013	GLP	SRC	DES	CNT		DFK
50014	GLP1	SRC		CNT		DFK
50015	GLP2			CNT		DFK
50016	GLP3					DFK
50017	DOC	ZIP	IADS			ZIP
50018	DOC	NONE	HTML			HTM
50019	VCTR	NONE	DGN			DGN
50020	RSTR	NONE	GIF			GIF
50021	AUD	NONE	WAVE			WAV
50022	AUD	NONE	AU			AU

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
50023	VID	NONE	AVI			AVI
50024	DOC	NONE	MSWORD			DOC
50025	CAD	VX MOD	8.1	NATIVE	8.1	MDL
50026	CAD	RNMOD	1.1	NATIVE	1.1	3DM
50027	CAD	PROENG	2000I	NATIVE	2000I	PRT
50029	CAD	MASDES	7	NATIVE	7	MC7
50030	CAD	MDESK	3	NATIVE	3	DWG
50033	CAD	VX IGS	8.1	NATIVE	8.1	IGS
50034	CAD	RN IGS	1.1	NATIVE	1.1	IGS
50035	CAD	PROIGS	2000I	NATIVE	2000I	IGS
50036	CAD	MASIGS	7	NATIVE	7	IGS
50037	CAD	PROSTP	2000I	NATIVE	2000I	STP
50038	CAD	RNSAT	1.1	NATIVE	1.1	SAT
50039	CAD	CFXSAT	2.1	NATIVE	2.1	SAT
50040	CAD	RNX_T	1.1	NATIVE	1.1	X_T
50041	CAD	CFXX_T	2.1	NATIVE	2.1	X_T
50042	ASCI	UNKN				CSV
50043	DRD	GERBER	EXE	NATIVE		DRD
50063	EXE	EXEC	EXE	NATIVE		EXE
50065	EXEC	EXEC	EXE	NATIVE		ZIP
50083	CAD	VXVIS	3.1	NATIVE	3.1	VX
50084	CAD	VXIGS	3.1	NATIVE	3.1	IGS
50085	CAD	VXSTP	3.1	NATIVE	3.1	STP
50103	CAD	CADFIX		NATIVE		STP
50124	CAD	RNMOD	1	NATIVE	1	STP
50145	ELEC	GERBER	GBR	NATIVE		GBR
50163	GAP	GERBER	GERBER	NATIVE		GAP
50164	ENV	GERBER	GERBER	NATIVE		ENV
50165	LAP	GERBER	GERBER	NATIVE		LAP
50183	MAT	GERBER	GERBER	NATIVE		MAT
50184	GTL	GERBER	GERBER	NATIVE		GTL
50185	GBL	GERBER	GERBER	NATIVE		GBL
50186	GTO	GERBER	GERBER	NATIVE		GTO
50187	GTS	GERBER	GERBER	NATIVE		GTS
50188	DSN	GERBER	GERBER	NATIVE		DSN
50189	LIB	GERBER	GERBER	NATIVE		LIB
50191	RPT	GERBER	GERBER	NATIVE		RPT
50224	CAD	PROENG	2001	NATIVE	2001	DRW
50263	CAD	GERBER	CAM350		8.0	LIB
50264	CAD	IGES	SOLIDW		98	PRT

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
50283	L01	GERBER	GERBER	NATIVE		L01
50284	L02	GERBER	GERBER	NATIVE		L02
50285	MSK	GERBER	GERBER	NATIVE		MSK
50286	SLK	GERBER	GERBER	NATIVE		SLK
50303	DPT	GERBER	GERBER	NATIVE		DPT
50304	DRL	GERBER	GERBER	NATIVE		DRL
50305	FAB	GERBER	GERBER	NATIVE		FAB
50306	L03	GERBER	GERBER	NATIVE		L03
50307	L04	GERBER	GERBER	NATIVE		L04
50308	L05	GERBER	GERBER	NATIVE		L05
50309	L06	GERBER	GERBER	NATIVE		L06
50310	L07	GERBER	GERBER	NATIVE		L07
50311	L08	GERBER	GERBER	NATIVE		L08
50312	L09	GERBER	GERBER	NATIVE		L09
50313	L10	GERBER	GERBER	NATIVE		L10
50314	L11	GERBER	GERBER	NATIVE		L11
50323	L12	GERBER	GERBER	NATIVE		L12
50324	L13	GERBER	GERBER	NATIVE		L13
50325	L14	GERBER	GERBER	NATIVE		L14
50326	L15	GERBER	GERBER	NATIVE		L15
50327	PSB	GERBER	GERBER	NATIVE		PSB
50328	PST	GERBER	GERBER	NATIVE		PST
50329	SSB	GERBER	GERBER	NATIVE		SSB
50330	SST	GERBER	GERBER	NATIVE		SST
50331	SMB	GERBER	GERBER	NATIVE		SMB
50332	SMT	GERBER	GERBER	NATIVE		SMT
50343	DOC	IADS	PKZIP			ZIP
50344	DOC	PDF				PDF
50345	DOC	HTML				HTM
50346	VCTR	DGN				DGN
50347	RSTR	GIF				GIF
50348	DEF	C4	C4			DEF
50363	CAD	VISMOC	VISMOC	NATIVE	V5.1	JT
50364	CAD	CATIA	CATIA	NATIVE	V4.2	MDL
50366	CAD	VISMOK	VISMOK	NATIVE	V5.1	XML
50384	CAD	PROE	WF2	ZIP	WILDFIRE2	ZIP
50403	CAD	UGS DM	V7.X	NATIVE	V7.X	JT
50406	CAD	UGS DM	V8.X	NATIVE	V8.X	JT
50411	CAD	CAM350	GERBER		9.X	CAM
50413	DRP	GERBER	GERBER	NATIVE		DRP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
50429	GER	MENTOR	GERBER	NATIVE		GER
50430	DRL	MENTOR	GERBER	NATIVE		DRL
50468	CAD	PROE	WF3	ZIP	WILDFIRE3	ZIP
50511	CAD	EAGLE	V4XPOF	NATIVE		POF
50512	CAD	EAGLE	V4XBIN	NATIVE		BIN
50513	CAD	EAGLE	V4XGDO	NATIVE		GDO
50514	CAD	EAGLE	V4XPUN	NATIVE		PUN
50515	CAD	EAGLE	V4XGPI	NATIVE		GPI
50516	CAD	EAGLE	V4XDRI	NATIVE		DRI
50517	CAD	EAGLE	V4XDXX	NATIVE		DXX
50518	ELEC	IPC356	VC	NATIVE		IPC
50527	ELEC	VALOR	VALOR			TGZ
50548	PHO	GERBER	GERBER	ALL	ALL	PHO
50549	TBL	GERBER	GERBER	ALL	ALL	TBL
50568	GER	GERBER	ALL	NATIVE		ZIP
50587	CAD	SLE	SLE	PAR		PAR
50588	CAD	SLE	SLE	ASM		ASM
50590	CAD	SLE	SLE	DFT		DFT
50607	CAD	SOLIDW	SOLIDW	ZIP	V2009	ZIP
50627	CAD	SOLIDW	PDF		V2009	PDF
50648	GBR	GCODE	GWK	NATIVE		GWK
50668	CAD	UG	NX5	NATIVE		PRT
50688	CAD	UNIGRAPHICS	UNIGRAPHICS	NATIVE	V13	U1
50689	CAD	SOLIDW	SOLIDWORKS	NATIVE	V2011	PRT
50690	CAD	SOLIDW	SOLIDWORKS	NATIVE	V2011	ZIP
50691	CAD	UGS DM	V6.X	ZIP	V6.X	ZIP
50692	CAD	UGS DM	V6.X	PDF	V6.X	PDF
50693	CAD	SOLIDW	SOLIDW	ZIP	2011	ZIP
50694	CAD	PROE	WF4	ZIP	WILDFIRE4	ZIP
50695	SOURCE CODE	SOURCE CODE	SOURCE CODE	SOURCE CODE		ZIP
50696	CAD	UG	NX6	NATIVE	NX6	PRT
50697	CAD	UG	NX6	ZIP	NX6	ZIP
50698	CAD	Parametric CREO	Parametric CREO	NATIVE	v2.0	ZIP
50699	STEP AP214	UG	NX6	NATIVE	NX6	STP
50700	STEP AP214	UG	NX8	NATIVE	NX8	STP
50701	CAD	UG	NX6	NATIVE	NX6	PDF
50702	CAD	UG	NX8	NATIVE	NX8	PDF
50703	CAD	UG	NX8	NATIVE	NX8	PRT
50704	CAD	UG	NX8	ZIP	NX8	ZIP
50705	STEP AP214	UG	NX6	ZIP	NX6	ZIP

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Field 13, FileType	Field 14, FileTypeFormat	Field 15, FileTypeSrcFlavor	Field 16, FileTypeDestFlavor	Field 17, FileTypeContent	Field 18, FileTypeVersion	Field 21, FileExtension
50706	STEP AP214	UG	NX8	ZIP	NX8	ZIP
50707	IGES	UG	NX7.5	NATIVE	NX7.5	IGS
50708	IGES	UG	NX7.5	NATIVE	NX7.5	ZIP
50709	CAD	UG	NX7.5	NATIVE	NX7.5	PRT
50710	CAD	UG	NX7.5	NATIVE	NX7.5	ZIP
50711	CAD	SOLIDW	PDF	NATIVE	V2013	PDF
50712	CAD	SOLIDW	SOLIDWORKS	ZIP	V2014	ZIP

(Note: Additional Image File Types are added as the repository system is enhanced. Contact the AMCOM CIO/G6 Service Desk at 256-955-0196, or email at usarmy.redstone.amcom.mbx.g6-edms-tag@mail.mil for the latest list of Image File Types.

APPENDIX D

Application Block		Revisions			
Next Assy	Used On	LTR	Description	Date	Approval
1006748	UH-60M		Released by ERR AV-10329	23 May 2007	John Doe
Affected Documents:		Rev/ Version	Type		
1006474.asm 1006747.drw 1006749.prt 1006750.asm 1006751.prt 1006751.asm 1006751.prt 1006754-generic.prt 1006759-generic.prt 1006763.prt 1006766.prt 1006827.prt c-redstone.sht1.frm			ProE Wildfire 2.0 ASM ProE Wildfire 2.0 DRW ProE Wildfire 2.0 PRT ProE Wildfire 2.0 ASM ProE Wildfire 2.0 PRT ProE Wildfire 2.0 ASM ProE Wildfire 2.0 PRT ProE Wildfire 2.0 PRT ProE Wildfire 2.0 PRT ProE Wildfire 2.0 PRT ProE Wildfire 2.0 PRT ProE Wildfire 2.0 PRT ProE Wildfire 2.0 PRT ProE Wildfire 2.0 PRT ProE Wildfire 2.0 PRT		
Distribution Statement: A Approved for Public Release Distribution is unlimited.		Delivered under U. S. Government Contract # W31XXX-XX-X-XXXX By Company Name and Address			
CONTR		DATE		U. S. Army Aviation and Missile Command Redstone Arsenal, AL 35898.5000	
Preparer Preparer name		23 May 2007			
Chk Checker name		23 May 2007			
Eng Engineer name					
		Size A	Code Indent No. 81996	Dwg No. 1006747	
Change No.	Scale: NONE		Rev	Sheet 0001	

SAMPLE

APPENDIX E

DRAWING SIZE TABLE – 200 DPI IMAGES

STD SIZES					ACCEPTABLE RANGE								
Dwg Size	Pixels (200 DPI)		Inches		Var (Inches)	Pixels (200 DPI)				Inches			
						W		L		W		L	
	W	L	W	L		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
A	1700	2200	8.5	11	+/- 1	1500	1900	2000	2400	7.5	9.50	10.00	12.00
B	2200	3400	11	17	+/- 1	2000	2400	3200	3600	10	12.00	16.00	18.00
C	3400	4400	17	22	+/- 1	3200	3600	4200	4600	16	18.00	21.00	23.00
D	4400	6800	22	34	+/- 3	3800	5000	6200	7400	19	25.00	31.00	37.00
E	6800	8800	34	44	+/- 3	6200	7400	8200	9400	31	37.00	41.00	47.00
F	5600	8000	28	40	+/- 3	5000	6200	7400	8600	25	31.00	37.00	43.00

STD SIZES							ACCEPTABLE RANGE												
Dwg Size	Pixels (200 DPI)			Inches			Var (Inches)	Pixels (200 DPI)						Inches					
								W		MIN L		MAX L		W		MIN L		MAX L	
	W	MIN L	MAX L	W	MIN L	MAX L		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
G	2200	4500	18000	11	22.5	90	+/- 3	1600	2800	3900	5100	17400	18600	8	14	19.50	25.5	87	93
H	5600	8800	28600	28	44	143	+/- 3	5000	6200	8200	9400	28000	29200	25	31	41.00	47	140	146
J	6800	11000	35200	34	55	176	+/- 3	6200	7400	10400	11600	34600	35800	31	37	52.00	58	173	179
K	8000	11000	28600	40	55	143	+/- 3	7400	8600	10400	11600	28000	29200	37	43	52.00	58	140	146

APPENDIX E

DRAWING SIZE TABLE – 300 DPI IMAGES

STD SIZES					ACCEPTABLE RANGE								
Dwg Size	Pixels (300 DPI)		Inches		Var (Inches)	Pixels (300 DPI)				Inches			
	W	L	W	L		W		L		W		L	
						MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
A	2550	3300	8.5	11	+/- 1	2250	2850	3000	3600	7.5	9.50	10.00	12.00
B	3300	5100	11	17	+/- 1	3000	3600	4800	5400	10	12.00	16.00	18.00
C	5100	6600	17	22	+/- 1	4800	5400	6300	6900	16	18.00	21.00	23.00
D	6600	10200	22	34	+/- 3	5700	7500	9300	11100	19	25.00	31.00	37.00
E	10200	13200	34	44	+/- 3	9300	11100	12300	14100	31	37.00	41.00	47.00
F	8400	12000	28	40	+/- 3	7500	9300	11100	12900	25	31.00	37.00	43.00

STD SIZES							ACCEPTABLE RANGE												
Dwg Size	Pixels (300 DPI)			Inches			Var (Inches)	Pixels (300 DPI)						Inches					
	W	MIN L	MAX L	W	MIN L	MAX L		W		MIN L		MAX L		W		MIN L		MAX L	
								MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
G	3300	6750	27000	11	22.5	90	+/- 3	2400	4200	5850	7650	26100	27900	8	14	19.50	25.5	87	93
H	8400	13200	42900	28	44	143	+/- 3	7500	9300	12300	14100	42000	43800	25	31	41.00	47	140	146
J	10200	16500	52800	34	55	176	+/- 3	9300	11100	15600	17400	51900	53700	31	37	52.00	58	173	179
K	12000	16500	42900	40	55	143	+/- 3	11100	12900	15600	17400	42000	43800	37	43	52.00	58	140	146

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APPENDIX F

METADATA FILE EXAMPLES

Sample metadata file – 1 base document with 1 accompanying document (ECO):

7-511511169-001|8V613||D|-||0001|0001|-|0001|0001|8|RSTR|CAL|||8V613|dwg|12943|cal|.|JEDMICSW53||N|U|N|N|N|||BD|||||||||D|||||BJ|1.0|
7-511511169-001|8V613||A|-||0001|0001|-|0001|0001|29|DOC|PDF|PDF|||8V613|ECO|A64-6000325-01|pdf|.| JEDMICSW53||N|U|N|N|N|||BD|||||||||D|NT|ECO|A64-6000325-01|8V613|||BJ|1.0|

Sample metadata file – 1 base document with 2 accompanying documents (digital data):

UN316-724S3031|77272||A|02||0001|0001|02|0001|0001|29|DOC|PDF|PDF||77272|UN316_724S3031_02-PD|pdf|.|VOLUME||N|U|Y|N|N|||BD|||||||||D|||||BK|1.0|
UN316-724S3031|77272||A|02||0001|0001|02|0001|0001|128|CAD|CATIA|V4.X|ZIP||77272|724S3031-MODELS|zip|.|VOLUME||N|U|Y|N|N|||D|D9|MODELS|77272|||BK|1.0|
UN316-724S3031|77272||A|02||0001|0001|02|0001|0001|50406|CAD|UGSDM|V8.X|NATIVE|V8.X|77272|724S3031-JT|jt|.|VOLUME||N|U|Y|N|N|||D|D9|724s3031-02-JT|77272|||BK|1.0|