

03 Jan 2013

Engineering Data Information System (EDIS) Data Submittal Preparation

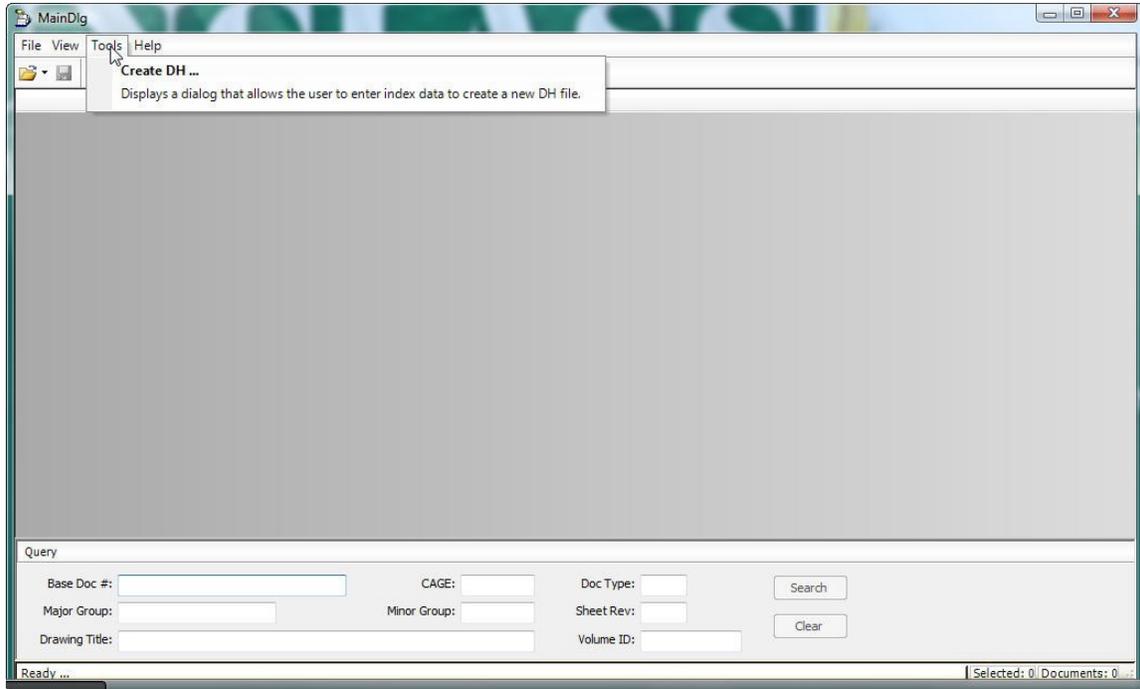
These procedures are intended to help users in preparing files for submittal to EDIS. Files may be submitted on DVD, CD-ROM or using the AMCOM Electronic Transfer (ET) Server. Instructions for obtaining access to and using ET can be found in the EDIS Submittals Using the AMCOM Electronic Transfer Server document. Customers uploading files to the upload server need to upload the files using the Data File Index Structure (DFIS) structure in .DLF format.

Software to aid in creating the metadata file (index.dlf), IndexR, is available from the G6 Service Desk Home Page, <https://g6msd.redstone.army.mil> Enter the site and click on the DOWNLOADS tab.

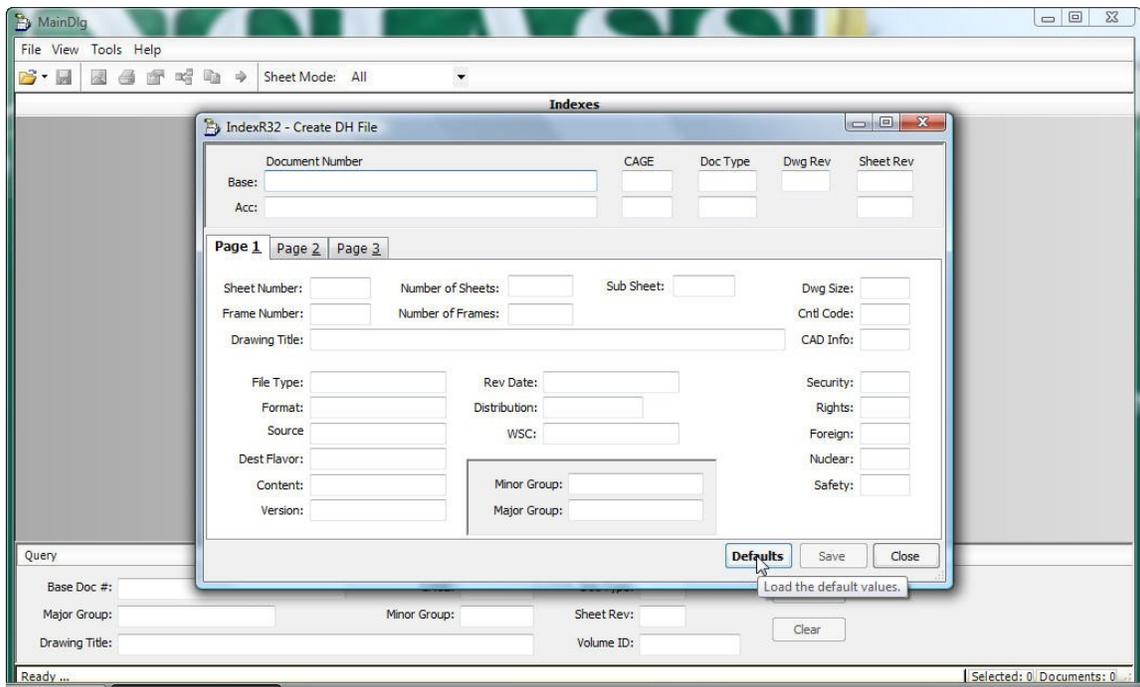
Call the G6 Service Desk, 256-955-0196, DSN 645-0196, or email usarmy.redstone.amcom.mbx.g6-edms-tag@mail.mil for assistance.

The first step is to create a .DH (Data Header) file using IndexR.

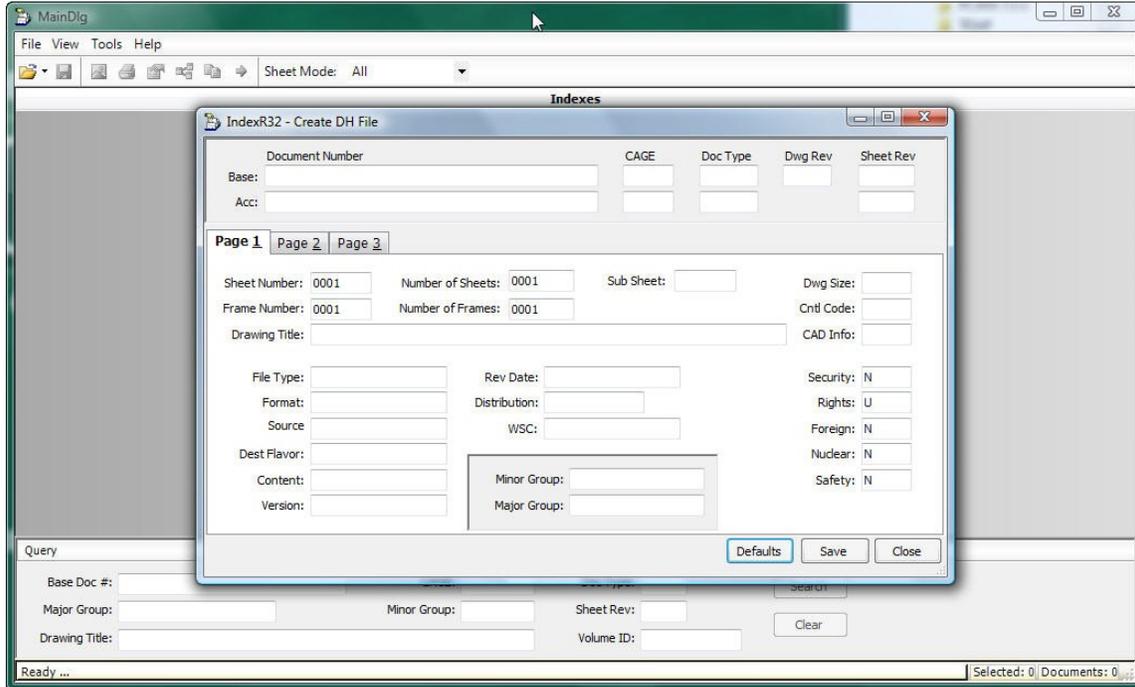
1. Start IndexR.
2. Go to Tools > Create DH.



3. Click on the Defaults button to load the default .dh file.



4. The Default .dh file will load with the default information on it.



5. In this screen you will input the Document Number, CAGE, Doc Type, Dwg Rev, Dwg Size, File Type, etc. As a minimum all mandatory fields must be populated. See [Appendix A](#) for a description of mandatory .dlf file entries. All fields must be in the formats specified in MIS-STD-52406B-IS.

IndexR32 - Create DH File

Document Number	CAGE	Doc Type	Dwg Rev	Sheet Rev
Base: 123456789	18876		A	A
Acc:				

Page 1 | Page 2 | Page 3

Sheet Number: 0001 Number of Sheets: 0001 Sub Sheet: Dwg Size: D

Frame Number: 0001 Number of Frames: 0001 Cntl Code: BD

Drawing Title: CAD Info:

File Type: 8 Rev Date: Security: N

Format: Distribution: A Rights: U

Source: WSC: AC Foreign: N

Dest Flavor: Nuclear: N

Content: Minor Group: Safety: N

Version: Major Group:

Query

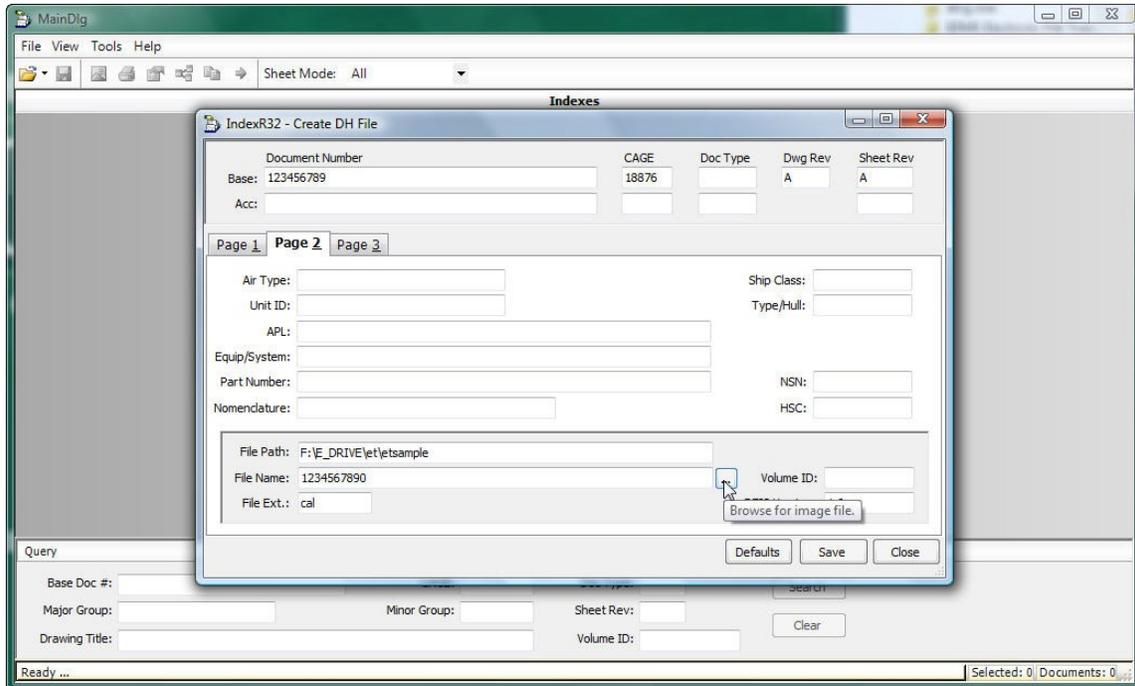
Base Doc #: Search

Major Group: Minor Group: Sheet Rev: Clear

Drawing Title: Volume ID: Clear

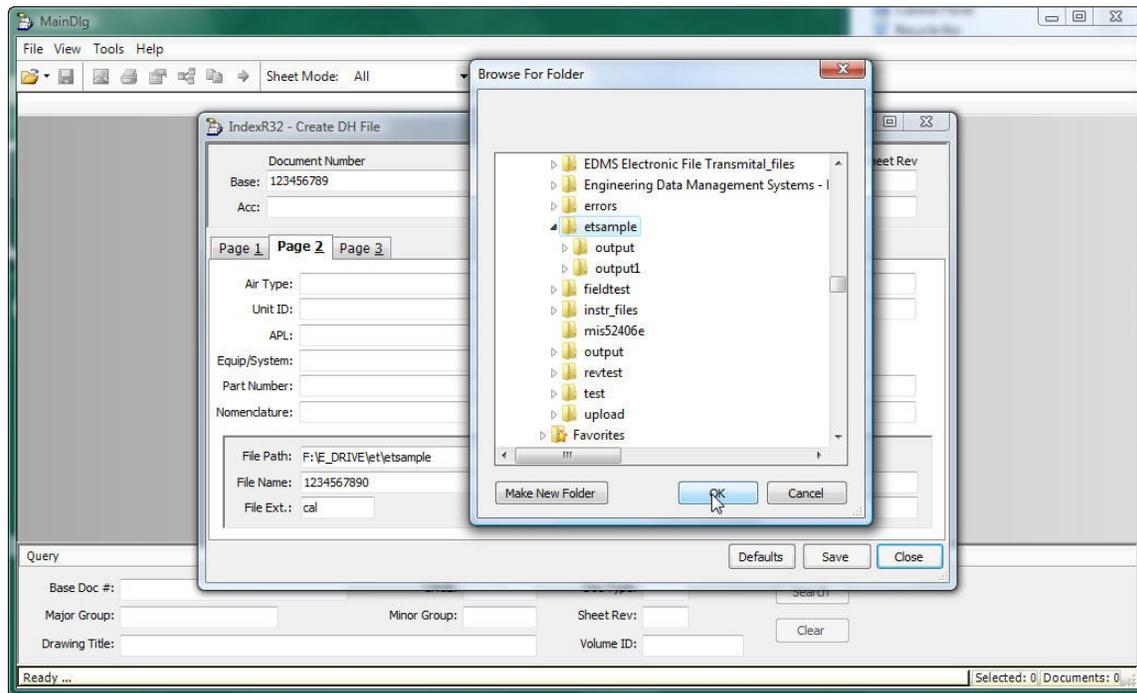
Ready ... Selected: 0 | Documents: 0

- Go to Page 2. Click on the  button to look for the image file that goes with the .dh file you are creating.
- Browse your PC for the image file, then double-click on it. This will populate the File Path, File Name and File Extension fields.



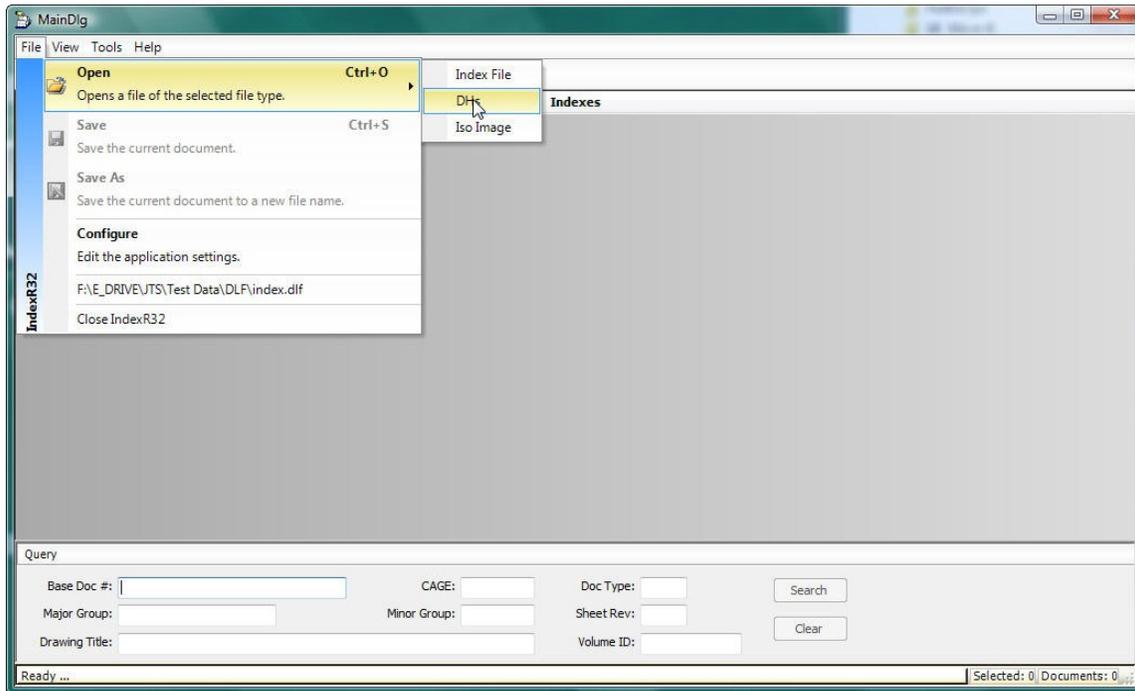
- Click on the Save button.

9. Browse to the folder you want to save the file in. Select the folder and click the OK button.

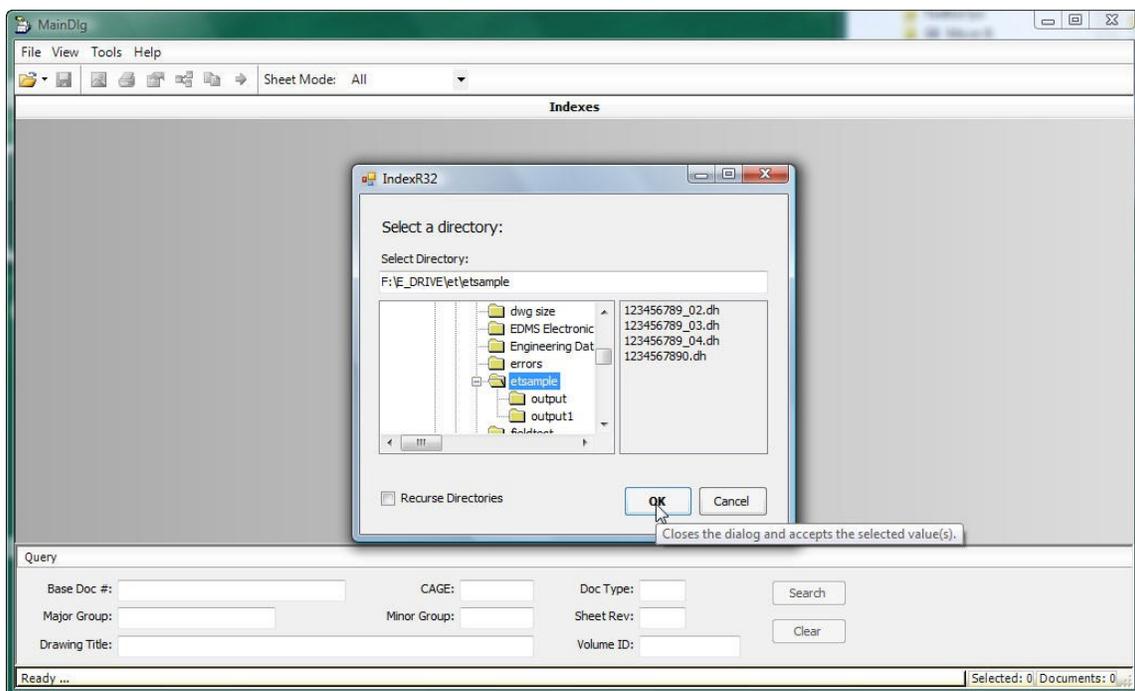


10. To continue creating .dh files, go back to Page 1, change the index information for the next image and repeat Steps 6 thru 9.
11. Once all of the .dh files have been created and saved, click on the Close button.

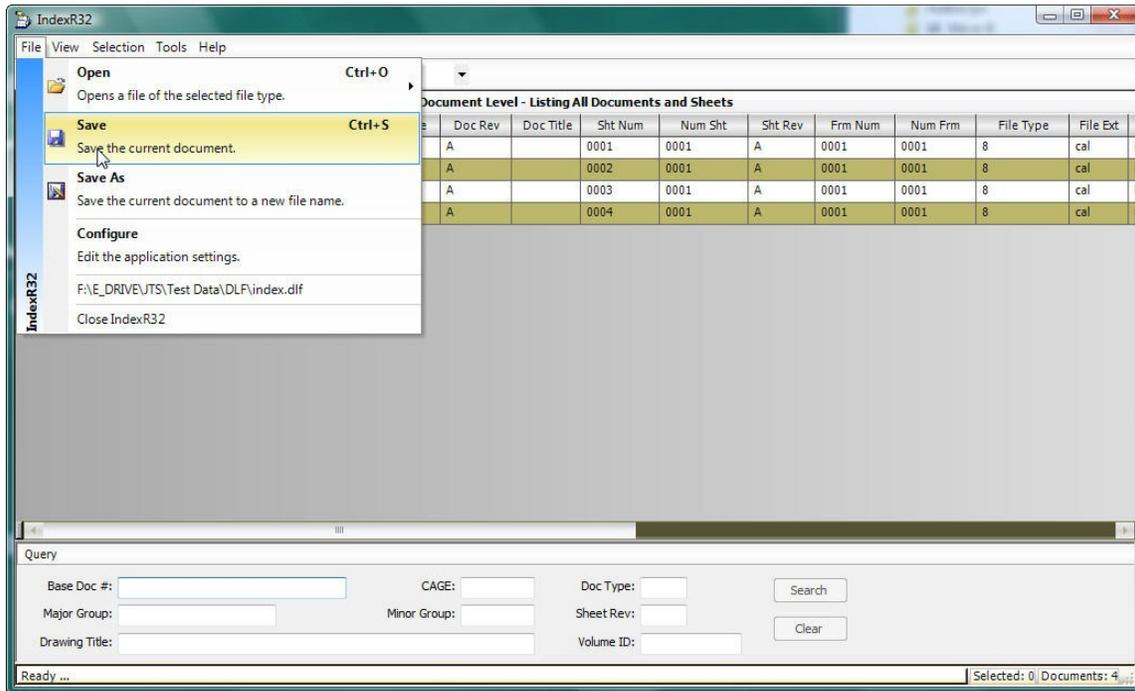
12. Create the .dlf file by clicking File > Open > DHs.



13. Select the directory where you saved the .dh files and images. Click the OK button.



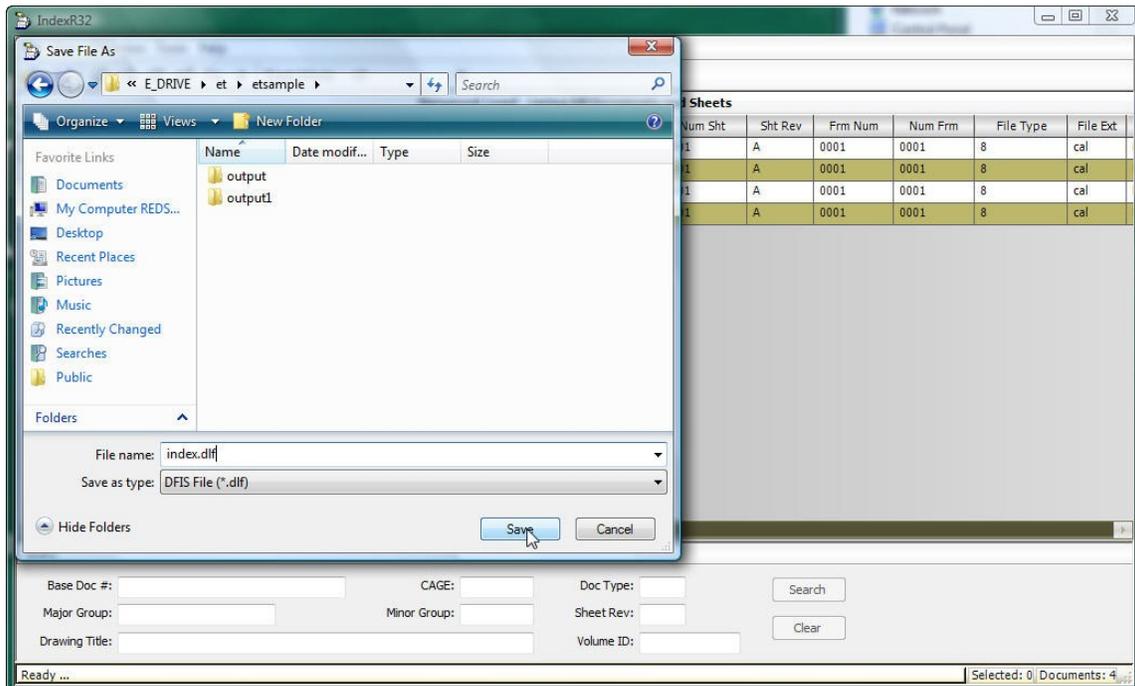
14. Click on the File > Save.



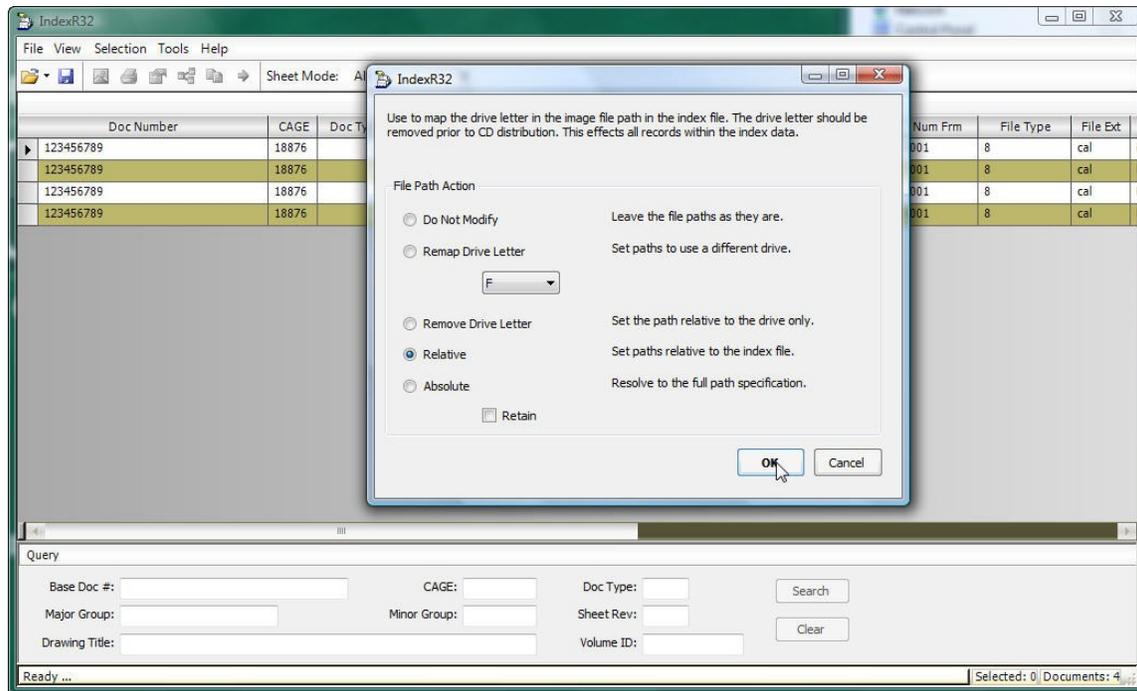
15. Browse to the folder you want to save the index.dlf file.

16. Enter index.dlf in the File name: box.

17. Click the Save button.



18. IndexR will ask you some questions about modifying the image file drive specification. Click the Relative button.
19. Click the OK button.



20. Close IndexR.
21. At this point, you are done creating the index.dlf file.
22. Finalize the submittal and submit as specified in MIS-STD-52406B-IS.

Call the G6 Service Desk, 256-955-0196, DSN 645-0196, or email usarmy.redstone.amcom.mbx-g6-edms-tag@mail.mil for assistance.

APPENDIX A

METADATA DESCRIPTION

Field Number	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 drawing title block and shall not include letters that would be on preprinted forms.</p> <p>If record describes an Accompanying Document, this field shall contain the Base Document's Document Number.</p>	32	16
2	X	BaseDocCage	<p>Commercial And Government Entity (CAGE) Code.</p> <p>If record describes an Accompanying Document, this field shall contain the Base Document's CAGE Code.</p>	5	
3	X	BaseDocType	<p>Document Type.</p> <p>The value of the Base Document Type shall be a value from Appendix A, Document Type Listings (DTL).</p> <p>If record describes an Accompanying Document, this field shall contain the Base Document's Document Type.</p> <p>If document does not have a document type, leave blank or null.</p>	2	4
4	X	DocumentSize	<p>Document Size.</p> <p>Value shall be one of the following: A, B, C, D, E, F, G, H, J, and K as defined by ASME-Y-14.1</p>	2	
5	X	BaseDocRevision	<p>Document Revision.</p> <p>If record describes an Accompanying Document, this field shall contain the Base Document's Revision.</p> <p>The following Document Revisions are invalid: I, O, Q, S, X, and Z.</p> <p>Single digit number revisions shall be zero padded to 2 characters (i.e. 02).</p> <p>A blank, null, or dash '-' is used to reflect no revision.</p>	2	4, 6, 11, 13
6		DocumentRevDate	<p>Revision Date.</p> <p>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-1959).</p>	20	7,12
7		DocumentTitle	<p>Document Title.</p> <p>Human-readable short description of the document</p>	40	17
8	X	SheetNumber	<p>Sheet Number.</p> <p>The value shall be numeric, zero padded to 4 characters.</p>	12	18
9	X	NumberOfSheets	<p>Number of Sheets.</p> <p>The value shall be numeric, zero padded to 4 characters.</p>	4	
10	X	BaseDocSheetRevision	<p>Sheet Revision.</p> <p>If record describes an Accompanying Document, this</p>	1	4, 11

			field shall contain the Base Document's Document Revision. The following Document Revisions are invalid: I, O, Q, S, X, and Z. Single digit number revisions shall be zero padded to 2 characters (i.e. 02). A blank, null, or dash '-' is 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" would 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" would 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" would 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	X	MediaVolumeID	Media Volume ID.	11	8

			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 is 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 N Not Nuclear	1	
30	X	Subsafe	Sub Safe. Sub Safe designation. Only for submarines, does not apply for Flight Critical. Indicates if drawing depicts critical safety info. 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	1	

			seawater stays outside the pressure hull. Drawings which depict such equipment are labeled SUBSAFE so that ship crew and maintenance workers know they must apply the special procedures and inspections. Value shall be one of the following: Y or N Y Subsafe N Not Subsafe		
31		AirType	Air Type. Leave Blank or null.	6	
32		Apl	APL. Leave Blank or null.	35	
33		CadInfo	Computer Aided Design Reference. Leave Blank or null.	2	
34	X	ControlCode	Control activity code. This code identifies the primary repository that controls the official record copy of engineering data. Value shall be: BD	2	
35		Hsc	HSC. Leave Blank or null.	12	
36		Nsn	National Stock Number (NSN). NSN identifies an item of supply in the Federal Supply Catalog, maintained by the Defense Logistics Information Service (DLIS). Leave Blank or null.	13	
37		Uic	UIC. Leave Blank or null.	5	
38		System	System. Leave Blank or null.	32	
39		Nomenclature	Nomenclature. Leave Blank or null.	20	
40		ShipClass	Ship Class. Leave Blank or null.	4	
41		ShipTypeHullNum	Ship Type Hull Number. Leave Blank or null.	9	
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	DistStmt	Distribution Statement. Populated according to DODD 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 are invalid: I, O, Q, S, X, and Z. If record describes a Base Document, this field shall be left Blank or Null.	2	4, 5, 13
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 CIO/G-6 Service Desk 256-955-0196, usarmy.redstone.amcom.mbx-g6-edms-tag@mail.mil 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 an image 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 X3.4-1986. 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 image 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 metadatafile. 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, then 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 which indicates the file format of the image file (e.g. CALS Type I raster, AutoCAD 13 Vector, etc.). 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, YY or YYYY 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-1996:15:50:59", "28-JAN-1992:00:00:00" and "28-JAN-1992".

(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 Quotes)	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 Quotes)	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, then 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 ("||").