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1 RST Index File Format

The RST index file specifies a format used by JEDMICS to link index data to image files for export from JEDMICS or import into JEDMICS.

Each line in an RST index file consists of a series of index fields each separated from the next by a delimiter (the pipe ‘|’ character). The first field of each record defines its type. The type of record determines the format, that is, which index fields are listed and the order of these fields.

Row	Description
VERSION	The index file must have one line with a row type of VERSION. The only data field for this row is the version number: 1.00, 1.01, 2.00, 2.10, 2.20, 2.30, 2.40, 2.50, 2.60, or 2.70.
COMMENT	The image rows are used to insert comments into the index file. All COMMENT rows are ignored by subsequent JEDMICS import processing.
DRFLD	This row type is used to specify Drawing Field Label row value to be linked to a specific drawing.
IMAGE	These rows define base documents and accompanying documents. When inserting an accompanying document, the base document must already exist in the database. This means that the row defining a base document must appear in the index file before the rows defining the accompanying documents associated with that base document.
PARTN	(obsolescent) This row type is used to provide part number information for a specific drawing.
RLTNSHP	This row type is used to specify the relationships between objects.
WSC	(obsolescent) These rows are used to add multiple Weapon Systems Code values to a specific drawing.
DRREL	<no longer used / processed>
TDAC	<no longer used / processed>

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Row	Description
DATASET	<no longer used / processed>
DSIMG	<no longer used / processed>
DSWSI	<no longer used / processed>
DSSOL	<no longer used / processed>
DSWSC	<no longer used / processed>

Some suggestions if manually creating an index file:

- Make the first row the VERSION row. This makes the version easily identifiable if the file is viewed in a text editor.
- Use COMMENTS liberally. These are completely ignored by the import mechanism and can be used to store helpful information.

1.1 General Data Element Rules

The value specified for a Data Element cannot contain a percent sign (%), underscore (_), pipe (|), backslash (\), or single quote (') with the following exceptions:

1. The pipe symbol is used to delimit data elements. Including a pipe symbol as part of a Data Element results in a "Could not parse ..." error.
2. When importing with Strict Validation, no invalid elements are permitted.
3. When importing with Simple Validation, the backslash, underscore, percent sign and single quote are permitted; however, backslash and single quote (except where allowed) are converted into an underscore (_).
4. A single quote (') is allowed in the DocTitle and Comment fields in IMAGE rows.

Additional details on acceptable values for a specific Data Element are documented in the row descriptions.

1.2 Revision Values

On output from JEDMICS, the values of the Revision fields are blank padded to the value specified in the SITE table for Max Revision Length. It can be up to six characters unless the revision type is DATE. For DATE revisions the value is 11 characters (Max Revision Length value is ignored for DATE).

The allowable character set of a Revision field is defined by the corresponding revision ordering definition (RevOrder for base drawings, AccRevOrder for accompanying documents). Note that prior to version 2.20 of the RST Index File, the revision ordering was set as a JEDMICS system level parameter and was restricted to either '99' or 'ZZ'.

Revision Type	Description	Field Width	Allowable Characters
ALPHA	Alpha sort	6	Null or any alpha (uppercase alpha's only) Character set = {<null>, -, A-Z}
ASCII	Alphanumeric sort	6	Null or any alphanumeric (uppercase alpha's only) Character set = {<null>, -, A-Z, 0-9,<decimal point>}
DATE	Date sort	11	Valid date string in the format DD-MON-YYYY (alternatively, the format YYYYMMDD can be used).
NUMBER	Numeric sort	6	Null or any numeric character (decimal point character allowed) Character set = {<null>, 0-9, <decimal point>}

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Revision Type	Description	Field Width	Allowable Characters
SUBREV	Alphanumeric sort with support for sub-revision	6	Null or any alphanumeric (uppercase alpha's only) Character set = {<null>, -, A-Z, 0-9,<decimal point>}
NUMHI	Alphanumeric sort with numeric characters having higher precedence than alpha characters	6	Null or any alphanumeric (uppercase alpha's only) Character set = {<null>, -, A-Z, 0-9,<decimal point>}
99	99 Standard revision alphanumeric sort with 99 as highest revision value	2	Null or any alphanumeric (uppercase alpha's only) Character set = {<null>, -, A-Z, 0-9}, validated via the REV_ORDER table.
ZZ	ZZ Standard revision alphanumeric sort with ZZ as highest revision value	2	Null or any alphanumeric (uppercase alpha's only) Character set = {<null>, -, A-Z, 0-9}, validated via the REV_ORDER table.

1.3 Date Values

Date fields (other than revision) will be displayed in the following format: DD-MON-YY:HH24:MI:SS where

- DD is the Day,
- MON is the Month,
- YY 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-96:15:50:59” and “28-JAN-92:00:00:00”.

1.4 Base Drawings and Accompanying Documents

For row types that support Accompanying Documents, certain row fields (Data Elements) have different meanings depending on whether the row describes a Base Drawing or an Accompanying Document. A row specifies an Accompanying Document if the AccDocNumber field is non-null; otherwise the row describes a Base Drawing. If a row describes a Base Drawing, then any fields that pertain explicitly to Accompanying Documents are ignored.

Field Name	Meaning if row describes a Base Drawing	Meaning if row describes an Accompanying Document
DistStmt	Base Drawing image distribution statement security setting	Accompanying Document image distribution statement security setting
DocCage	Base Drawing CAGE	CAGE of the parent drawing
DocNumber	Base Drawing number	Drawing number of parent drawing
DocRevDate	Revision date of the Base Drawing revision	Revision date of the Accompanying Document Revision
DocSize	Paper size of the Base Drawing sheet	Paper size of the Accompanying Document sheet

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Field Name	Meaning if row describes a Base Drawing	Meaning if row describes an Accompanying Document
DocTitle	Title of the Base Drawing	Title of the Accompanying Document
DocType	Base Drawing document type	Document type of parent drawing
FileType	Base Drawing image file type	Accompanying Document image file type
FrameNumber	Frame number of the Base Drawing image	Frame number of the Accompanying Document Image
NOFORN	Base Drawing NOFORN security setting	Accompanying Document NOFORN security setting
Nuclear	Base Drawing Nuclear security setting	Accompanying Document Nuclear security setting
NumberOfFrames	Number of Base Drawing frames in the revision	Number of Accompanying Document frames in the revision
NumberOfSheets	Number of Base Drawing sheets in the revision	Number of Accompanying Document sheets in the revision
Rights	Base Drawing image rights security setting	Accompanying Document image rights security setting
Security	Base Drawing classification security setting	Accompanying Document classification security setting
SheetNumber	Sheet number of the Base Drawing image	Sheet number of the Accompanying Document image
SubSafe	Base Drawing Submarine Pressure Boundary / Air Frame Safety security setting	Accompanying Document Submarine Pressure Boundary / Air Frame Safety security setting
SubSheet	Base Drawing sub sheet value. Maximum value length is 3 characters in this case.	Base Drawing revision to which the Accompanying Document is linked ('+' indicates that the Accompanying Document is linked to all revisions of the Base Drawing). Maximum value length is 8 characters in this case. Note: For version 2.1 and earlier, the SubSheet field is populated with the SheetRev value if the SubSheet value is null.

1.5 Index File (.rst) Format Definitions

For each Index File Row Type, a table is provided that lists the elements of the row and the sequence in which those elements must appear in the row.

- The Sequence value indicates the order in which the row type fields must appear. If a field does not have a value set, then it is represented as a null value (i.e., '|').

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- The Data Element name listed for each element is provided as a mnemonic aid only; the value of the Data Element name for each element is not significant and does not appear within the Index File. (In previous specifications of the Index File, the Data Element names were shown with a prefix of ‘JMX_’. This prefix has been removed for clarity.)
- The Field Width value indicates the maximum length of the value assigned to that row type field. The AN indicates that the field is alphanumeric.
- An ‘Allow Null’ value of ‘N’ indicates that a non-null value (trimmed of all leading and trailing space characters) must be provided for this field.
- Some row types are only supported in later versions of the index file, while other row types have additional fields added in later revisions. The Valid in Version column specifies the version that the row / field is valid for.

1.5.1 VERSION Row Type

The RST index file (typically named `imageidx.rst`) must have one line with a row type of VERSION. The only data field for this row is the version number of the other tags contained in the index file.

Seq	Data Element	Purpose	Field Width	Allow Null?	Notes	Valid in Version
1	Row Type	Identify format of information in row (VERSION).	10 AN	N	(1)	All
2	Version	Version of the row tags used in the file	32 AN	N	(2)	All
3	Record End	Indicate end of record CR/LF (Hex 0D0A)		N		All

Notes:

- 1) Valid value is **VERSION**
- 2) Valid values are 1.0, 1.01, 2.0, 2.10, 2.20, 2.30, 2.40, 2.50, 2.60, 2.70.

1.5.2 COMMENT Row Type

The COMMENT row type allows comments to be inserted into the RST index file.

All COMMENT rows are ignored when processing the index file as part of the JEDMICS read operation.

Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
1	Row Type	Identify format of information in row	10 AN	N	(1)	All
2	Comment	Comment text	255 AN	Y		All
3	Record End	Indicate end of record CR/LF (Hex 0D0A)		N		All

Notes:

- 1) Valid value is **COMMENT**

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Note: If the export mechanism that was used to produce the rst file has the config file variable GOS_OUTPUT_COLUMNS set to Y, then the rst file produced will include a COMMENT row that lists all column headings with pipe delimiters. This can be useful if importing the rst file into Excel (for example) to provide automatic column labeling.

1.5.3 IMAGE Row Type

The IMAGE row type specifies a single sheet / frame of either a base drawing or an accompanying document.

Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
1.	Row Type	Identify format of information in row	10 AN	N	(1)	All
2.	DocNumber	Document Number	32 AN	N		All
3.	DocCAGE	Document Commercial and Government Entity code	5 AN	N		All
4.	DocType	Document Type	4 AN	Y		>=2.60 (3 width in versions prior to 2.6)
5.	DocSize	Paper size of image file hard copy original	2 AN	Y	(2)(5)	All
6.	DocRev	Drawing revision	11 AN	Y	(6)	All
7.	DocRevDate	Drawing revision date	Date	Y	(5)	All
8.	DocTitle	Document title	200 AN	Y	(5)(18)	All
9.	SheetNumber	Sheet number	12 AN	N	(5)(8)	All
10.	NumberOfSheets	Number of sheets for the Document revision	4 N	Y	(5)(8)	All
11.	SheetRev	Sheet revision	11 AN	Y	(6)	All
12.	FrameNumber	Frame number	4 N	N	(5)(8)	All
13.	NumberOfFrames	Number of frames for the sheet revision	4 N	Y	(5)(8)	All
14.	FileType	Designator for the data format type of file	5 N	N	(3)(5)	All
15.	FileTypeFormat	Description of the format of the file type	20 AN	Y	(3)	All
16.	FileTypeSrcFlavor	Description of the file type source flavor	20 AN	Y	(3)	All
17.	FileTypeDstFlavor	Description of the file type destination flavor	20 AN	Y	(3)	All
18.	FileTypeContent	Description of the file type content	20 AN	Y	(3)	All
19.	FileTypeVersion	Description of the file type version	14 AN	Y	(3)	All
20.	SiteCode	Site code associated with the file type spec	5 AN	Y	(3)	All

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Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
21.	FileName	File name of the image file (without extension)	AN	N	(7)	All
22.	FileExt	File name extension of image file	6 AN	N	(7)	All
23.	FilePath	File path where image file is located	242 AN	N	(7)	All
24.	<not used>	<not used - leave blank>		Y		All
25.	<not used>	<not used - leave blank>		Y		All
26.	<not used>	<not used - leave blank>		Y		All
27.	Security	Security classification of the document	1 A	N	(5)(9)	All
28.	Rights	Indicates if the sheet contains commercial proprietary information.	1 A	N	(5)(10)	All
29.	NOFORN	Indicates if foreign personnel may view the drawing.	1 A	N	(5)(11)	All
30.	Nuclear	Indicates if drawing contains Navy nuclear power plant related information.	1 A	N	(5)(11)	All
31.	Subsafe	Indicates if document relates to air frame safety or submarine pressure boundary	1 A	N	(5)(11)	All
32.	<not used>	<not used - leave blank>		Y		All
33.	<not used>	<not used - leave blank>		Y	(5)	All
34.	CADInfo	Computer Aided Design reference	2 AN	Y	(5)	All
35.	ControlCode	Activity code furnished by procuring activity	2 AN	Y	(5)	All
36.	<not used>	<not used - leave blank>		Y		All
37.	<not used>	<not used - leave blank>		Y		All
38.	<not used>	<not used - leave blank>		Y		All
39.	<not used>	<not used - leave blank>		Y		All
40.	<not used>	<not used - leave blank>		Y		All
41.	<not used>	<not used - leave blank>		Y		All
42.	<not used>	<not used - leave blank>		Y		All
43.	MasterLocation	Engineering drawing master location	30 AN	Y	(5)	All
44.	OfflineLocation	Engineering drawing off-line location	80 AN	Y	(5)	All
45.	<not used>	<not used - leave blank>		Y		All
46.	<not used>	<not used - leave blank>		Y		All
47.	<not used>	<not used - leave blank>		Y		All

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Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
48.	SubSheet	Sheet subdivision for base drawings, base drawing revision to which an accompanying document is linked for accompanying documents (a plus sign (+) specifies ALL revisions of the base drawing)	11 AN	Y	(5)(15)	All
49.	<not used>	<not used - leave blank>		Y		<not used>
50.	DistStmt	Distribution statement	2 AN	Y	(5)(12)	All
51.	AccDocKind	Accompanying document – document kind / type	4 AN	Y		>=2.60 (3 width in versions prior to 2.6)
52.	AccDocNum	Accompanying document – document number	32 AN	Y	(4)	All
53.	AccDoc CAGE	Accompanying CAGE	5 AN	Y	(20)	>=2.50
54.	AccDocRev	Accompanying document – document revision	11 AN	Y		All
55.	<not used>	<not used - leave blank>		Y		All
56.	<not used>	<not used - leave blank>		Y		All
57.	<not used>	<not used - leave blank>		Y		All
58.	SourceSite	Generally used to indicate the JEDMICS site that has QA responsibilities for the data.	15 AN	Y		>=2.20
59.	RevOrder	Revision ordering scheme for the base drawing	6 A	Y	(13)	>=2.20
60.	AccRevOrder	Revision ordering scheme for the accompanying document	6 A	Y	(13)	>=2.20
61.	qaStatus	QA status value for the image record	1 A	Y	(14)	>=2.20
62.	TDAC	Records the Technical Document Availability Code (TDAC) value.	1 A	Y		>=2.30
63.	Comment	Image comments.	40 A	Y	(16)	>=2.30
64.	Export	Indicates if drawing is subject to the Export Control Act.	1 A	Y	(17)	>=2.30
65.	ObjType	Object Type (DR, TDP, DOC) for the base drawing	3 A	Y		>=2.40
66.	AccObjType	Object Type (DR, TDP, DOC) for the accompanying document	3 A	Y		>=2.40
67.	FldTemplateId	The Drawing Field Template ID associated with the record.	50 AN	Y	(19)	>=2.40

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Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
68.	Record End	Indicate end of record CR/LF (Hex 0D0A)		N		All

Notes:

- 1) Valid value is **IMAGE**.
- 2) Document sizes can be set to one of the following values: **A, B, C, D, E, F, G, H, J, K, R, 0, 1, 2, 3, 4, A0, A1, A2, A3, A4** (where 0, 1, 2, 3 and 4 are codes for the metric sizes A0, A1, A2, A3, and A4)
- 3) File type must correspond to a value into the table FILE_TYPE_XREF.
 - Every FILETYPE value has a unique file type format, file type source flavor, file type destination flavor, file type content, and file type version value. Because the import mechanism uses the FILETYPE field, the other listed fields are redundant and are ignored by the mechanism. However, if FileType is greater than 50,000, the system uses these fields (plus the SiteCode field) to check the importing site for a valid file type with these characteristics. ~~If there is not a valid file type with these characteristics, the system creates a new file type.~~
 - When this row is processed for input to JEDMICS, if the FileType value is '1' and the FileExt value is not TIF, the image file is passed through an image format validation routine to ensure that it is a proper C4 image.
- 4) If Accompanying Document Number is non-null and contains entries other than blanks, the IMAGE row is assumed to be an Accompanying Document.
- 5) Data Elements apply to the Accompanying Document specified if the AccDocNumber field is populated with a non-null value, otherwise they apply to the Base Drawing specified.
- 6) When this row is processed for input into JEDMICS, the DocRev value is set equal to the SheetRev value prior to insertion of the data into the JEDMICS database. The original value contained in the DocRev field is ignored. (JEDMICS does not allow a specific sheet to be stored within JEDMICS with a Drawing Revision different from the Sheet Revision.)
- 7) The location of the image file associated with this row on the local storage media (hard disk, CDROM, etc) is determined by combining the three fields FileName, FileExt, and FilePath as follows:


```
<FilePath>/<FileName>.<FileExt>
```

The actual location including full pathname, filename, and extension cannot exceed 80 characters.
- 8) When this row is processed for input into JEDMICS, if the field value length is less than four characters, it is zero padded to four characters prior to insertion into the JEDMICS database.
- 9) Valid values for Security Level are **N, C, M, S, T, E, F, G, H, J, and K**.
- 10) Valid values for Rights are **G, R, U, P, K, N, S, T, W, X, Z, and L**.
- 11) Valid values are **N, Y**.
- 12) DIST_STMT is validated against the DIST_STMT_XREF table for valid values.
- 13) Valid values are validated against the REV_ORDER_XREF table. Valid values are, typically: **ASCII, ALPHA, NUMERIC, NUMHI, SUBREV, DATE, 99, and ZZ**
- 14) Valid values are **P** (passed), **F** (failed), **N** (not performed), and **<null>**.
- 15) For versions 2.20 and later, if the IMAGE row refers to an accompanying document, the subsheet value is the base drawing revision to which the accompanying document is linked (a + value links to all revisions of the base drawing). For earlier versions of the row, if the row is an accompanying document

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and subsheet is null, the sheet revision value is used to specify the base drawing revision the accompanying document is linked to.

- 16) Accepts all characters (including space) except for percent (%), underscore (_), pipe symbol (|), and backslash (\). Note, when importing into PENDING, backslash is converted into underscore (_).
- 17) Valid values are N, Y, or NULL. If the Distribution Statement is set to X, automatically set to Y when the .rst file is imported into JEDMICS; otherwise, is NULL unless specifically set.
- 18) The JEDMICS applications that read/write .rst files also read/write .dlf files. If a .dlf format file is specified, the Document Title is limited to 40 characters and the file extension (FileExt) is **not** truncated if it contains more than 3 characters (this could cause a problem for third-party applications).
- 19) This field is to address a Drawing Revision that has a template assigned, but none of the template fields are populated.
- 20) If NULL and AccDocNum is populated, Base Drawing CAGE value is used.

1.5.4 PARTN Row Type

(obsolescent) The PARTN row type is used to add a Part Number reference to a Drawing Revision.

With JBR 3.0.22, its use is replaced with ORS Action 50 (Perm Populate CM Data – File). The PARTN tag is retained in JBR 3.0.22 only as a transition mechanism for users currently using the PARTN tag to import part data into JEDMICS. The PARTN tag will be removed in a future JEDMICS release.

When processed, a Part is created in permanent (if not already present) and then a “Related to” relationship is created.

- If an IMAGE line is not present in the RST file, then all matching drawing records in pending (reserved or not) are updated with a “Related to” relationship to the Part.
- If an IMAGE line matching the PARTN line(s) is present in the RST file, then only the batch into which the IMAGE was inserted is updated with a “Related to” relationship to the Part.

Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
1.	Row Type	Identify format of information in row	10 AN	N	(1)	>=1.01
2.	DocNumber	Document number	32 AN	N		>=1.01
3.	DocCAGE	Document Commercial and Government Entity code	5 AN	N		>=1.01
4.	DocType	Document type	4 AN	Y		>=2.60 (3 width in versions prior to 2.6)
5.	DocRev	Drawing revision	11 AN	Y	(3)	>=1.01
6.	AccDocNum	Accompanying Document - Document Number	32 AN	Y	(2)	>=1.01
7.	AccDocKind	Accompanying document - document kind / type	2 AN	Y		>=1.01
8.	AccDocRev	Accompanying document - document revision	11 AN	Y		>=1.01
9.	PartNum	Part number	32 AN	N		>=1.01

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Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
10.	PartCAGE	Part CAGE code	5 AN	N		>=1.01
11.	AccDoc CAGE	Accompanying CAGE	5 AN	Y		>=2.50
12.	Record End	Indicate end of record CR/LF (Hex 0D0A)		N		All

Notes:

- 1) Valid value is **PARTN**.
- 2) If AccDocNum is not null, then the Part association is set up against the Accompanying Document rather than the Base Drawing.
- 3) If AccDocNum is not null, then DocRev is the Base Drawing revision to which the Accompanying Document is linked.

1.5.5 WSC Row Type

(obsolescent) The WSC row type is used to specify multiple WSC values to be linked to a specific drawing record.

With JBR 3.0.22, its use is replaced with ORS Action 50 (Perm Populate CM Data – File). The WSC tag is retained in JBR 3.0.22 only as a transition mechanism for users currently using the WSC tag to import weapon system code data into JEDMICS. The WSC tag will be removed in a future JEDMICS release.

When processed, a WSC is created in permanent (if not already present) and then a “Related to” relationship is created.

- If an IMAGE line is not present in the RST file, then all matching drawing records in pending (reserved or not) are updated with a “Related to” relationship to the WSC.
- If an IMAGE line matching the WSC line(s) is present in the RST file, then only the batch into which the IMAGE was inserted is updated with a “Related to” relationship to the WSC.

Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
1.	Row Type	Identify format of information in row	10 AN	N	(1)	>=1.01
2.	DocNumber	Drawing Number	32 AN	N		>=1.01
3.	DocCAGE	Commercial and Government Entity	5 AN	N		>=1.01
4.	DocType	Drawing Document Type	4 AN	Y		>=2.60 (3 width in versions prior to 2.6)
5.	AccDocNum	Accompanying Document Number	32 AN	Y	(2)	>=1.01
6.	AccDocKind	Accompanying Document Kind	2 AN	Y		>=1.01
7.	WSC	WSC associated with the specified drawing / accompanying document	15 AN	N		>=1.01

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Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
8.	Record End	Indicate end of record CR/LF (Hex 0D0A)		N		All

Notes:

- 1) Valid value is **WSC**
- 2) If AccDocNum is not null, then the WSC association is set up against the Accompanying Document rather than the Base Drawing. Note that permanent AccDocs cannot have a WSC associated with them, so the migration process will move any WSC associated with an AccDoc in pending to the associated Drawing in permanent.

1.5.6 DRFLD Row Type

The DRFLD row type is used to specify Drawing Field Label row value to be linked to a specific Drawing Revision record.

Note that the Field Template must exist with the defined Field Label(s) prior to using this row type.

Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
1.	Row Type	Identify format of information in row	10 AN	N	(1)	>=2.40
2.	DocNumber	Drawing Number	32 AN	N		>=2.40
3.	DocCAGE	Commercial and Government Entity	5 AN	N		>=2.40
4.	DocType	Drawing Document Type	4 AN	Y		>=2.60 (3 width in versions prior to 2.6)
5.	DocRev	Drawing revision	11 AN	Y	(3)	>=2.40
6.	AccDocNum	Accompanying Document Number	32 AN	Y	(2)	>=2.40
7.	AccDocKind	Accompanying Document Kind	4 AN	Y		>=2.6 (3 width in versions prior to 2.6)
8.	AccDocRev	Accompanying document - document revision	11 AN	Y		>=2.40
9.	Field Template ID	Identification of the field template assigned to Drawing / Acc Doc	50 AN	Y		>=2.40
10.	Field Label	Label assigned to the field template content row	50 AN	Y		>=2.40
11.	Field Value	Value assigned to the field template content row	4000 AN	Y		>=2.40
12.	AccDoc CAGE	Accompanying CAGE	5 AN	Y		>=2.50

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Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
13.	Field Template Type	Type of data assigned to field template content row (either TEXT, NUMBER, or DATE)	6 AN	N		>=2.50
14.	Record End	Indicate end of record CR/LF (Hex 0D0A)		N		All

Notes:

- 1) Valid value is **DRFLD**.
- 2) If AccDocNum is not null, then the Field Temp association is set up against the Accompanying Document rather than the Base Drawing.
- 3) If AccDocNum is not null, then DocRev is the Base Drawing revision to which the Accompanying Document is linked.

1.5.7 RLNSHP Row Type

The RLNSHP row type is used to specify a relationship between a source object and a target object.

Note that both the source and target must exist within JEDMICS prior to creating the relationship.

Seq	Data Element	Purpose	Field width	Allow Null?	Notes	Valid in Version
1.	Row Type	Identify format of information in row	10 AN	N	(1)	>=2.70
2.	SourceType	The source object. Allowable types are: DWG DWGREV ACCREV PENDIMG	6A	N		
3.	SourceType ID fields	The key index fields for the source type are different, depending on the source type.			(2)	
4.	TargetType	The target object. <ul style="list-style-type: none"> • Any of the objects can be used as a target for a source type of DWG, DWGREV, or PENDIMG (when the pending row is a Drawing Revision). • Only PARTREV or WSC is allowed for a source type of ACCREV or PENDIMG (when the pending row is an AccDoc). 				
5.	TargetType ID fields	The key index fields for the target type are different, depending on the target type.			(2)	
6.	Relationship	Relationship of the Source to the Target (for ACCREV or PENDIMG (when the pending row is an AccDoc), only RLTD is allowed).			(3)	
7.	Record End	Indicate end of record CR/LF (Hex 0D0A)		N		All

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Notes:

- 1) Valid value is **RLTNSHP**.
- 2) ID fields for the Source / Target objects (all fields are required with a standard pipe delimiter between values)

DWG:

Dwgnum
CAGE
DocType

DWGREV:

Dwgnum
CAGE
DocType
DwgRev

ACCREV:

Dwgnum
CAGE
DocType
DwgRev
AccNum
AccCAGE
AccKind
AccRev

PENDING:

<Same as DWGREV or ACCREV, depending on what the PENDING rows represents>

WSC:

WSC

DCS:

DCS ID
DCS Revision|

TDB:

TBD ID
TBD Revision

RDS:

RDS ID
RDS Revision

PART:

PartNum
PartCAGE

PARTREV:

PartNum
PartCAGE
PartRev

- 3) Relationship codes

RLTD - (for Related to)
SPRS - (for Supersedes)
SPRB - (for Superseded by)
MODF - (for Modifies)
MODB - (for Modified by)
EQUV - (for Equivalent to)

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PRNT - (for Parent)

CHLD - (for Child)

RPLS - (for Replaces)

RPLB - (for Replaced by)

2 DFIS Index File Format

Also referred to as the DLF format, the JEDMICS Data File Index Structure (DFIS) format is a legacy index file format that can be read and written by JEDMICS.

The DLF is a simplified RST format with only a single row type which provides a subset of the RST IMAGE version 1.0 row functionality.

Note that the table below and associated notes pertain to how JEDMICS evaluates a DFIS input file and may not reflect how other 3rd party applications interpret a DFIS input file.

Seq	Data Element	Purpose	Field width	Allow Null?	Notes
1.	DocNumber	Document Number	32 AN	N	
2.	DocCAGE	Document Commercial and Government Entity code	5 AN	N	
3.	DocType	Document Type	2 AN	Y	
4.	DocSize	Paper size of image file hard copy original	2 AN	Y	
5.	DocRev	Drawing revision	2 AN	Y	(1)(4)
6.	DocRevDate	Drawing revision date	Date	Y	(5)
7.	DocTitle	Document title	40 AN	Y	(4)
8.	SheetNumber	Sheet number	12 AN	N	(4)
9.	NumberOfSheets	Number of sheets for the document revision	4 N	Y	(4)(7)
10.	SheetRev	Sheet revision	2 AN	Y	(4)(7)
11.	FrameNumber	Frame number	4 N	N	(5)
12.	NumberOfFrames	Number of frames for the sheet revision	4 N	Y	(4)(7)
13.	FileType	Designator for the data format type of file	5 N	N	(4)(7)
14.	FileTypeFormat	Description of the format of the file type	20 AN	Y	(2)(4)
15.	FileTypeSrcFlavor	Description of the file type source flavor	20 AN	Y	
16.	FileTypeDstFlavor	Description of the file type destination flavor	20 AN	Y	
17.	FileTypeContent	Description of the file type content	20 AN	Y	
18.	FileTypeVersion	Description of the file type version	14 AN	Y	

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Seq	Data Element	Purpose	Field width	Allow Null?	Notes
19.	SiteCode	Site that originated the index file	5 AN	Y	
20.	FileName	File name of the image file (without extension)	8 AN	N	
21.	FileExt	File name extension of image file	3 AN	N	(6)
22.	FilePath	File path where image file is located	242 AN	N	(6)
23.	<not used>	<not used - leave blank>		Y	(6)
24.	<not used>	<not used - leave blank>		Y	
25.	<not used>	<not used - leave blank>		Y	
26.	Security	Security classification of the document	1 A	N	
27.	Rights	Indicates if the sheet contains commercial proprietary information.	1 A	N	(4)(8)
28.	NOFORN	Indicates if foreign personnel may view the drawing.	1 A	N	(4)(9)
29.	Nuclear	Indicates if drawing contains Navy nuclear power plant related information.	1 A	N	(4)(10)
30.	Subsafe	Indicates if document relates to air frame safety or submarine pressure boundary	1 A	N	(4)(10)
31.	<not used>	<not used - leave blank>		Y	
32.	<not used>	<not used - leave blank>		Y	
33.	CADInfo	Computer Aided Design Reference	2 AN	Y	(4)
34.	ControlCode	Activity Code Furnished by Procuring Activity	2 AN	Y	(4)
35.	<not used>	<not used - leave blank>		Y	
36.	<not used>	<not used - leave blank>		Y	
37.	<not used>	<not used - leave blank>		Y	

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Seq	Data Element	Purpose	Field width	Allow Null?	Notes
38.	<not used>	<not used - leave blank>		Y	
39.	<not used>	<not used - leave blank>		Y	
40.	<not used>	<not used - leave blank>		Y	
41.	<not used>	<not used - leave blank>		Y	
42.	MasterLocation	Engineering drawing master location	30 AN	Y	
43.	OfflineLocation	Engineering drawing off-line location	80 AN	Y	
44.	<not used>	<not used - leave blank>		Y	
45.	<not used>	<not used - leave blank>		Y	
46.	<not used>	<not used - leave blank>		Y	
47.	SubSheet	Sheet subdivision for base drawings, base drawing revision to which an accompanying document is linked for accompanying documents (a plus sign (+) specifies ALL revisions of the base drawing)	3 AN	Y	
48.	<not used>	<not used - leave blank>		Y	
49.	DistStmt	Distribution Statement	2 AN	Y	
50.	AccDocKind	Accompanying Document – Document Kind / Type	2 AN	Y	(4)(11)
51.	AccDocNum	Accompanying Document – Document Number	32 AN	Y	
52.	<not used>	<not used - leave blank>		Y	(3)
53.	AccDocRev	Accompanying Document – Document Revision	2 AN	Y	
54.	<not used>	<not used - leave blank>		Y	
55.	<not used>	<not used - leave blank>		Y	
56.	<not used>	<not used - leave blank>		Y	
57.	DfisVersion	Version of the DFIS Structure Implemented	4 AN		1.0
58.	Record End	Indicate end of record CR/LF (Hex 0D0A)		N	

Notes:

- 1) Document sizes can be set to one of the following values: **A, B, C, D, E, F, G, H, J, K, R, 0, 1, 2, 3, 4** (where 0, 1, 2, 3 and 4 are codes for the metric sizes A0, A1, A2, A3, and A4)
- 2) File type must correspond to a value in the table FILE_TYPE_XREF.
 - If >= 50,000, will attempt to match to an existing file type. ~~If can not match to an existing file type, will create a new file type using the included file type fields.~~
 - When this row is processed for input into JEDMICS, if the FileType value is ‘1’ and the FileExt value is not TIF, the image file is passed through an image format validation routine to ensure that it is a proper C4 image. (4)

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- 3) If Accompanying Document Number is non-null and contains entries other than blanks, the IMAGE row is assumed to be an Accompanying Document.
- 4) Data Elements apply to the Accompanying Document specified if the AccDocNumber field is populated with a non-null value; otherwise they apply to the Base Drawing specified.
- 5) When this row is processed for input into JEDMICS, the DocRev value is set equal to the SheetRev value prior to insertion of the data into the JEDMICS database. The original value contained in the DocRev field is ignored. (JEDMICS does not allow a specific sheet to be stored within JEDMICS with a Drawing Revision different than the Sheet Revision.)
- 6) The location of the image file associated with this row on the local storage media (hard disk, CDROM, etc) is determined by combining the three fields FileName, FileExt, and FilePath as follows:
<FilePath>/<FileName>.<FileExt>

The actual location including full pathname, filename, and extension can not exceed 80 characters.
- 7) When this row is processed for input into JEDMICS, if the field value length is less than 4 characters, it is zero padded to four characters prior to insertion into the database.
- 8) Valid values for Security Level are **N, C, M, S, T, E, F, G, H, J, and K.**
- 9) Valid values for Rights are **G, R, U, P, K, N, S, T, W, X, Z, and L.**
- 10) Valid values are **N, Y.**
- 11) DIST_STMT is validated against the DIST_STMT_XREF table for valid values.