
STANDARD IMAGE FORMAT

File Description:

This Image Transmission file contains one index file, several Image files and a read-me file. The index file contains index data with pointers to the image files. The read-me file contains the information regarding the reference fields.

This file is generated for a group of lockboxes (Notification Group) at a scheduled cutoff time. The batches that are processed from the previous cutoff to the current cutoff are extracted in this file.

The Image Transmission file will be in ZIP format and the Check and Material images in the file will be single page TIFF images.

File Naming Conventions

- Transmission File: YYYYMMDDHHMMSS_NNNNNNN_N.ZIP
- YYYYMMDDHHMMSS - Creation Timestamp
 - NNNNNNN - Notification Group number
 - N - Sequence Number (for retransmissions)
- Check Image File: CNNNNNNNNNF.TIF
- C - Check
 - NNNNNNNNN - Unique Image Identifier
 - F - Front side of the Check
- Material Image File: MNNNNNNNNNF.TIF
- M - Material
 - NNNNNNNNN - Unique Image Identifier
 - F - Front side of the material.

File Delivery

The file will be delivered electronically to Customers via Connectivity Services.

File Expiry

The generated image transmission files are maintained for 14 days.

Index file Format

Support for comma delimited and fixed width format is available. See the Detailed Index File Format at the end of this document.

Index file Structure

Index file contains three elements. Check, Material and Reference Items. The file follows a tree structure with Check as the top item, followed by the Materials associated with the Check. Each Material item is followed by the Reference (Data Entry) rows associated with it. The Reference items are optional and are generated depending on the customer subscription. Please see below for an example.

For “No-Check” items, Check record is optional. In this case the transmission will contain only “M” and “R” records.

Example:

```

Check 1
  Material 1
    Reference Item 1 (optional)
    Reference Item 2 (optional)
    ...
  Material 2
    Reference Item 1 (optional)
    ...
  ...
Check 2
  Material 1
    Reference Item 1 (optional)
    ...
  Material 2
    Reference Item 1 (optional)
    ...
  ...
  ...
  
```

Example Read-me file:

Reference Field Mapping

Reference Field	Data Type
1 INVOICE NUMBER	Text
2 INVOICE DATE	Date
3 INVOICE AMOUNT	Currency

DETAILED INDEX FILE FORMAT

File Naming Convention

YYYYMMDDHHMMSS_NNNNNNNN_N.ZIP

Where YYYYMMDDHHMMSS is timestamp, NNNNNNNN is the Notification group and N is the sequence number
ZIP file format

Source Directory Specifications

../

Location of extracted images

In the combined zip file list index and image files in the same folder.

All images are single page TIFFs

Image Data Specifications (INDEX) to support MULTIPLE REFERENCES PER IMAGE DOC

* Two standard formats. 1. Comma delimited. 2-Fixed width.

Same layout for both formats except the begin, end, Max len and format rules apply to only Fixed width format

Check Detail Record (FRONT - ONLY)

Position	Max Len	Begin	End	Value	Layout	Description
1	8	1	8		LJ Space Fill	Process Date (MMDDYYYY)
2	8	9	16		LJ Space Fill	Credit Date (MMDDYYYY)
3	4	17	20		RJ Zero Fill	Site ID (Encoding - See Below)
4	10	21	30		RJ Zero Fill	Lockbox Number
5	8	31	38		RJ Zero Fill	Batch
6	5	39	43		RJ Zero Fill	Transaction Number (<i>within batch</i>)
7	5	44	48		RJ Zero Fill	Check Sequence Number (as assigned by the system)
8	1	49	49	C		Record Type
9	16	50	65			Image Filename (FTOC) 12.3 PC (<i>format: CNNNNNNNNNNN.TIF</i>)
10	13	66	78		RJ Zero Fill	Check Amount (PIC 9(10).V99)
11	50	79	128		LJ Space Fill	Check Number (Lockbox payments), Payment Number (EPOS & WIRE).
12	9	129	137		RJ Zero Fill	Transit Number
13	20	138	157		LJ Space Fill	Remitter Account Number
14	10	158	167			Bank ID (reserved)
15	20	168	187		LJ Space Fill	Lockbox Deposit DDA Number
16	2	188	189		LJ Space Fill	Tran Type Code (01-lbx, 02-ach, 03-wire, 04-corr)
17	4	190	193		RJ Zero Fill	Group Code (if captured, otherwise blank)
18	50	194	243		LJ Space Fill	Remitter Name (if captured, otherwise blank)
19	8	244	251		LJ Space Fill	Check Date (MMDDYYYY) (if captured, otherwise blank)
20	50	252	301		LJ Space Fill	Payee Name (if captured, otherwise blank)
21	100	302	401			Filler (for future expansion)

Supporting Material Detail Record (Always follows a Check Detail Record, if there exists any)

Position	Max Len	Begin	End		Layout	Description
1	8	1	8		LJ Space Fill	Process Date (MMDDYYYY)
2	8	9	16		LJ Space Fill	Credit Date (MMDDYYYY)
3	4	17	20		RJ Zero Fill	Site ID (Encoding - See Below)
4	10	21	30		RJ Zero Fill	Lockbox Number
5	8	31	38		RJ Zero Fill	Batch
6	5	39	43		RJ Zero Fill	Transaction Number
7	5	44	48		RJ Zero Fill	Material Sequence Number (Unique within the transaction)
8	1	49	49	M		Record Type
8	16	50	65		LJ Space Fill	Image Filename (FTOC) 12.3 PC (<i>format: MNNNNNNNNNNN.TIF</i>)
9	100	66	165			Filler (for future expansion)

Reference Detail Records (Always follows Material Detail Record, where information is keyed from)

Position	Max Len	Begin	End		Layout	Description
1	8	1	8		LJ Space Fill	Process Date (MMDDYYYY)
2	8	9	16		LJ Space Fill	Credit Date (MMDDYYYY)
3	4	17	20		RJ Zero Fill	Site ID (Encoding - See Below)
4	10	21	30		RJ Zero Fill	Lockbox Number
5	8	31	38		RJ Zero Fill	Batch
6	5	39	43		RJ Zero Fill	Transaction Number
7	5	44	48		RJ Zero Fill	Reference Item Sequence Number, (<i>within Transaction</i>) (001=1st item, 002=2nd, etc) within trans
8	1	49	49	R		Record Type (Invoice - Reference Record Type)
9	50	50	99		LJ Space Fill	Reference Field #1, (if captured, otherwise blank)
10	50	100	149		LJ Space Fill	Reference Field #2, (if captured, otherwise blank)
11	50	150	199		LJ Space Fill	Reference Field #3, (if captured, otherwise blank)
12	50	200	249		LJ Space Fill	Reference Field #4, (if captured, otherwise blank)
13	50	250	299		LJ Space Fill	Reference Field #5, (if captured, otherwise blank)
14	50	300	349		LJ Space Fill	Reference Field #6, (if captured, otherwise blank)
15	50	350	399		LJ Space Fill	Reference Field #7, (if captured, otherwise blank)
16	50	400	449		LJ Space Fill	Reference Field #8, (if captured, otherwise blank)
17	50	450	499		LJ Space Fill	Reference Field #9, (if captured, otherwise blank)
18	50	500	549		LJ Space Fill	Reference Field #10, (if captured, otherwise blank)
19	50	550	599		LJ Space Fill	Reference Field #11, (if captured, otherwise blank)
20	50	600	649		LJ Space Fill	Reference Field #12, (if captured,

						otherwise blank)
21	50	650	699		LJ Space Fill	Reference Field #13, (if captured, otherwise blank)
22	50	700	749		LJ Space Fill	Reference Field #14, (if captured, otherwise blank)
23	50	750	799		LJ Space Fill	Reference Field #15, (if captured, otherwise blank)
24	50	800	849		LJ Space Fill	Reference Field #16, (if captured, otherwise blank)
25	50	850	899		LJ Space Fill	Reference Field #17, (if captured, otherwise blank)
26	50	900	949		LJ Space Fill	Reference Field #18, (if captured, otherwise blank)
27	50	950	999		LJ Space Fill	Reference Field #19, (if captured, otherwise blank)
28	50	1000	1049		LJ Space Fill	Reference Field #20, (if captured, otherwise blank)
29	100	1050	1149			Filler (for future expansion)