FIS ImageCentre — POD x9.100-187 File Requirements



This document contains confidential and proprietary information of Fidelity Information Services, LLC and/or its affiliates and subsidiaries (collectively "FIS"). In limited circumstances, this document may be copied and/or distributed to an FIS client and its employees on a "need to know" basis in order to fulfill their responsibilities. Any further copying, reproduction, or distribution outside of FIS without express written consent is strictly prohibited. © 2018 FIS - All rights reserved.



Revision History

Version	# Date	Author / Editor	Version / Revision Comments
1	3/5/2018	Sondra D'Ambrose	S. D'Ambrose

Table of Contents

1.1	File Header Record (Type 01)	3
1.2	Cash Letter Header Record (Type 10)	4
1.3	Bundle Header Record (Type 20)	6
1.4	Check Detail Record (Type 25) – Credit Item	7
1.5	Image View Detail Record (Type 50) – Credit Item	9
1.6	Image View Data Record (Type 52) – Credit Item	11
1.7	Check Detail Record (Type 25) – Debit Item(s)	13
1.8	Check Detail Addendum A Record (Type 26) – Debit Item(s)	15
1.9	Image View Detail Record (Type 50) – Debit Item(s)	17
1.10	Image View Data Record (Type 52) – Debit Item(s)	19
1.11	Bundle Control Record (Type 70)	21
1.12	Cash Letter Control Record (Type 90)	22
1.13	File Control Record (Type 99)	23



1.1 File Header Record (Type 01)

- This record is Required. If a corresponding File Control Record (Type 99) is not present as the last record in this file, the file will be rejected.
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field Name	Usage	Position	Туре	Validation Criteria	Comments
Record Type	М	01 – 02	N	Required	
Standard Level	М	03 – 04	N	Required	'03 Indicates DSTU X9.37 – 2003
Test File Indicator	М	05 – 05	Α	Required	
Immediate Destination Routing Number	М	06 – 14	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit
Immediate Origin Routing Number	М	15 – 23	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit
File Creation Date	М	24 - 31	N	Required	Must be a valid date in YYYYMMDD format. Eastern time zone shall be used.
File Creation Time	М	32 - 35	N	Required	Must be military time in HHMM format. Eastern time zone shall be used.
Resend Indicator	М	36 – 36	Α	Required	Must be 'N'
Immediate Destination Name	С	37 – 54	AN	Required if Present	Expanded Field type to support greater variety of abbreviations
Immediate Origin Name	С	55 – 72	AN	Required if Present	Expanded Field type to support greater variety of abbreviations
File ID Modifier	С	73 – 73	AN	Required if	This field is used to uniquely identify files. Lower case letters are NOT valid.
				Present	 ID is required if fields 4, 5, 6 and 7 are equal on other files within a file creation date.
Country Code	С	74 – 75	Α	None	
User Field	С	76 – 79	ANS	None	
Companion Document Version Indicator	С	80 - 80	AN	Required if Present	'1' Indicates version 1 of the Universal Companion Document
	Record Type Standard Level Test File Indicator Immediate Destination Routing Number Immediate Origin Routing Number File Creation Date File Creation Time Resend Indicator Immediate Destination Name Immediate Origin Name File ID Modifier Country Code User Field Companion Document Version	Record Type M Standard Level M Test File Indicator M Immediate Destination Routing Number Immediate Origin Routing Number File Creation Date M File Creation Time M Resend Indicator M Immediate Destination Name C Immediate Origin Name C Country Code C User Field C Companion Document Version C	Record Type M 01 – 02 Standard Level M 03 – 04 Test File Indicator M 05 – 05 Immediate Destination Routing Number Immediate Origin Routing Number File Creation Date M 24 - 31 File Creation Time M 32 - 35 Resend Indicator M 36 – 36 Immediate Destination Name C 37 – 54 Immediate Origin Name C 55 – 72 File ID Modifier C 73 – 73 Country Code C 74 – 75 User Field C 76 – 79 Companion Document Version C 80 - 80	Record Type M 01 – 02 N Standard Level M 03 – 04 N Test File Indicator M 05 – 05 A Immediate Destination Routing Number M 06 – 14 N Immediate Origin Routing Number M 15 – 23 N File Creation Date M 24 - 31 N File Creation Time M 32 - 35 N Resend Indicator M 36 – 36 A Immediate Destination Name C 37 – 54 AN Immediate Origin Name C 55 – 72 AN File ID Modifier C 73 – 73 AN Country Code C 74 – 75 A User Field C 76 – 79 ANS Companion Document Version C 80 - 80 AN	Record Type Standard Level M O1 – 02 N Required Standard Level M O3 – 04 N Required Test File Indicator Immediate Destination Routing Number Immediate Origin Routing Number File Creation Date File Creation Time Resend Indicator Immediate Destination Name C Immediate Origin Name C Test File ID Modifier M O6 – 04 N Required N Required N Required N Required Required Required Required Required Required Required File ID Modifier C Ta – 73 AN Required if Present Country Code C Ta – 75 A None Companion Document Version C N O1 – 02 N Required N Required N Required Required if Present N Required if Present Required if Present C Required if Present C Required if Present C Required if Present Required if Present



1.2 Cash Letter Header Record (Type 10)

- This record is Required. If a corresponding Cash Letter Control Record (Type 90) is not present, the file will be rejected.
- Cash letter collection types (Forward and Returns) cannot be mixed in the same file. Mixed collection types in the same file will result in a file reject.
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard
- IMAGE EXCHANGE FILES SUPPORT Two types of returns. All returns carry monetary VALUE.
 - Customer (or what is also known as Monetary) returns are items being returned that directly affect a customer's account. These are for typical return reasons that have been used in paper exchanges for years (i.e. NSF, Closed Account, Stop Pay, etc.)
 - Administrative Returns are items being returned that are handled by the bank and usually does not directly affect the customer or their account. They need to be sorted from customer returns and handled separately. In many cases these are adjustments and will be handled by the adjustment area of the bank. Some of these include: poor quality image, missing image and duplicate.
- THE RETURN REASON FIELD PROVIDES THE RETURN REASON CODES WITH THEIR RESPECTIVE DEFINITIONS BY EACH TYPE OF RETURN.

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
,1	Record Type	М	01 – 02	N	Required	
2	Collection Type Indicator	М	03 – 04	N	Required	'01'
3	Destination Routing Number	М	05 – 13	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit
4	ECE Institution Routing Number	М	14 – 22	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit
5	Cash Letter Business Date	М	23 – 33	N	Required	Must be a valid date in YYYYMMDD format
6	Cash Letter Creation Date	М	31 – 38	N	Required	Must be a valid date in YYYYMMDD format. Eastern time zone shall be used.
7	Cash Letter Creation Time	М	39 – 42	N	Required	hhmm cash letter was created. Eastern time zone shall be used.
8	Cash Letter Record Type Indicator	М	43 – 43	А	Required	Т
9	Cash Letter Documentation Type Indicator	M	44 - 44	AN	Required	'G'



10	Cash Letter ID	М	45 - 52	AN	Required	Must be unique within a Cash Letter Business Date
11	Originator Contact Name	С	43 - 66	ANS	None	
12	Originator Contact Phone Number	С	67 - 76	N	None	
13	Fed Work Type	С	77 - 77	AN	None	
14	Returns Indicator	М	78 - 78	А	Required if Present	''Blank
15	User Field	С	79 - 79	ANS	None	
16	Reserved	М	80 - 80	В	None	



1.3 Bundle Header Record (Type 20)

- This record is Required if Cash Letter Document Type Indicator (Field 8) in the Cash Letter Header Record (Type 10) is not 'N'.
- If a corresponding Bundle Control Record (Type 70) is not present, the file will be rejected.
- The data in the fields are created by the ECE institution, which may or may not be the Bank of First Deposit (BOFD)
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	Collection Type Indicator	М	03 – 04	N	Required	'01'
						(Within an individual cash letter this value must be consistent from bundle to bundle and must match the Collection Type Indicator (Field 2) in the Cash Letter Header record (Type 10))
3	Destination Routing Number	M	05 – 13	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit . Must be the same as the Destination Routing Number (Field 3) in the Cash Letter Header Record (Type 10)
4	ECE Institution Routing Number	М	14 – 22	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit Must be the same as the values in the ECE Institution Routing Number (Field 4) in the Cash Letter Header Record (Type 10).
5	Bundle Business Date	М	23 – 30	N	Required	Must be a valid date in YYYYMMDD format
6	Bundle Creation Date	М	31 – 38	N	Required	Must be a valid date in YYYYMMDD format . Eastern time zone shall be used.
7	Bundle ID	С	39 - 48	AN	Required if Present	Must be unique within a Cash Letter business date
8	Bundle Sequence Number	С	49 - 52	NB	Required if Present	Combination of Bundle ID (field 7) and Bundle Sequence Number (field 8) must be unique within the cash letter.
9	Cycle Number	С	53 - 54	AN	None	This is a value used at the discretion of the sender
10	Return Location Routing Number	С	55 – 63	N	None	This field shall not be used. Returns location is identified in Addenda record '26'
11	User Field	С	64 - 68	ANS	None	
12	Reserved	М	69 - 80	В	None	



1.4 Check Detail Record (Type 25) - Credit Item

- This record is Mandatory unless all items in file post to same credit account.
- This record should contain a virtual credit image.
- Total amount of credit item should represent the following debits.
- If the bank is a debits first bank, this credit record should follow the associated debits.

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	Auxiliary On-Us	С	03 – 17	NBSM	None	
3	External Processing Code	С	18 – 18	NS	None	
4	Payor Bank Routing Number	M	19 – 26	N	Required	Mandatory – shall contain bank's ABA if utilizing a deposit TC in the On-Us field 6 field OR an internal deposit ABA RT
5	Payor Bank Routing Number Check Digit	М	27 – 27	N	Required	Mandatory – shall be the routing number check digit if utilizing bank's ABA. The combination of fields 4 and 5 must be a mod-checked routing number with a valid check digit.
6	On-Us	С	28 – 47	NBSM OS	Required	 Shall include customer's account for crediting and deposit trancode On-Us symbols separating account number and deposit trancode must be represented with a forward slash(/). Dashes must be retained



7	Item Amount	М	48 – 57	N	Required	
8	ECE Institution Item Sequence Number	М	58 – 72	NB	Required	Field must contain a numeric value. It cannot be all blanks.
9	Documentation Type Indicator	М	73 – 73	AN	Required	'G'
10	Return Acceptance Indicator	С	74 – 74	AN	None	
11	MICR Valid Indicator	С	75 – 75	N	None	
12	BOFD Indicator	М	76 – 76	Α	None	
13	Check Detail Record Addendum Count	М	77 – 78	N	Required	
14	Correction Indicator	С	79 – 79	N	None	
15	Archive Type Indicator	С	80 – 80	AN	None	



1.5 Image View Detail Record (Type 50) - Credit Item

- This record is Mandatory when the Documentation Type Indicator (Field 9) in the Check Detail Record (Type 25) is 'G'
- According to industry best practices, the front image shall be provided first followed by the rear image of the item
- If there are multiple views of the check the first two are considered primary views and must be the bi-tonal front and bi-tonal rear.
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	Ν	Required	
2	Image Indicator	М	03 – 03	N	Required	'1' indicates Image view is check or substitute check
3	Image Creator Routing Number	M	04 - 12	N	None	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit
4	Image Creator Date	М	13 - 20	N	None	
5	Image View Format Indicator	С	21 – 22	N	Required	Primary views shall only have a value of '00'
						Shall only be present when the Image Indicator (Field 2) is not equal to '0'.
6	Image View Compression	С	23 – 24	N	Required	Primary views shall only have a value of '00'
	Algorithm Identifier				·	Shall only be present when the Image Indicator (Field 2) is not equal to '0'.
7	Image View Data Size	С	25 - 31	N	None	Field is ignored. Image View Data size shall be obtained from Image View Data Record (Type 52) Length of Image Data (Field 18).
8	View Side Indicator	М	32 - 32	N	Required	The only valid values are:
						'0' Front Image View
						'1' Rear Image View
9	View Descriptor	М	33 – 34	N	Required	The only valid value for primary views is:
						'00' Full View



Digital Signature Indicator	С	35 - 35	N	Required if Present	Shall only be present when the Image Indicator (Field 2) is not equal to '0'.
Digital Signature Method	С	36 – 37	N	None	
Security Key Size	С	38 – 42	N	Required if present	
Start of Protected Data	С	43 – 49	N	Required if present	
Length of Protected Data	С	50 – 56	N	Required if present	
Image Recreate Indicator	С	57 – 57	N	None	
User Field	С	58 – 65	ANS	None	
Image TIFF Variance Indicator	С	66 – 66	AN	None	
Override Indicator	С	67 – 67	AN	None	
Reserved	М	68 – 80	В	None	Field position has been redefined
	Digital Signature Method Security Key Size Start of Protected Data Length of Protected Data Image Recreate Indicator User Field Image TIFF Variance Indicator	Digital Signature Method Security Key Size C Start of Protected Data C Length of Protected Data C Image Recreate Indicator C User Field C Image TIFF Variance Indicator C Override Indicator C	Digital Signature Method Security Key Size C Start of Protected Data C Length of Protected Data C Image Recreate Indicator C Start of Protected Data C Start of	Digital Signature Method C Security Key Size C Start of Protected Data C Length of Protected Data C Image Recreate Indicator C ST – 57 User Field C S8 – 65 ANS Image TIFF Variance Indicator C G7 – 67 AN	Digital Signature Method C 36 – 37 N None Security Key Size C 38 – 42 N Required if present Start of Protected Data C 43 – 49 N Required if present Length of Protected Data C 50 – 56 N Required if present Image Recreate Indicator C 57 – 57 N None User Field C 58 – 65 ANS None Image TIFF Variance Indicator C 66 – 66 AN None Override Indicator C 67 – 67 AN None



1.6 Image View Data Record (Type 52) - Credit Item

- This record is Mandatory when the Documentation Type Indicator (Field 9) in the Check Detail Record (Type 25) is 'G'
- The Image View Detail Record (Type 52) is one of two records (Image View Detail Record (Type 50) and Image View Data Record (Type 52)) that shall be used together to convey an image view associated with the related Check Detail Record (Type 25) or Return Record (Type 31).
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	ECE Institution Routing Number (Clause 9.4)	M	03 – 11	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit. Must be the same as ECE Institution Routing number in the Bundle Header Record (Type 20).
3	Bundle Business Date (Clause 9.5)	M	12 – 19	N	Required	Must be a valid date in YYYYMMDD format
4	Cycle Number (Clause 9.9)	С	20 – 21	AN	None	
5	ECE Institution Item Sequence Number (Clause 10.8)	M	22 – 36	NB	Required	Field must contain a numeric value. It cannot be all blanks.
6	Security Originator Name	С	37 – 52	ANS	None	
7	Security Authenticator Name	С	53 – 68	ANS	None	
8	Security Key Name	С	69 – 84	ANS	None	
9	Clipping Origin	M	85 - 85	NB	Required	'0' indicates Full View. Primary front and rear views shall only have a value of '0'
10	Clipping Coordinate h1	С	86 – 89	N	None	
11	Clipping Coordinate h2	С	90 – 93	N	None	
12	Clipping Coordinate v1	С	94 – 97	N	None	
13	Clipping Coordinate v2	С	98 – 101	N	None	
14	Length of Image Reference Key	М	102 – 105	NB	Required	'0' indicates Image Reference Key (Field 15) is not present



15	Image Reference Key	С	106 - (105+X)	ANS	None	
16	Length of Digital Signature	М	(106+X) - (110+X)	NB	Required	'0' indicates that a Digital Signature is not present.
17	Digital Signature	С	(111+X) - (110+X +Y)	binary	None	
18	Length of Image Data	M	(111+X +Y) – (117+X +Y)	NB	Required	Shall be greater than zero unless the Primary Front or Rear view is not available.
19	Image Data	М	(118+X +Y) – (117+X +Y+Z)	binary	Required	



1.7 Check Detail Record (Type 25) - Debit Item(s)

- This record is Mandatory unless the Cash Letter Record Type Indicator (Field 8) in the Cash Letter Header Record (Type 10) is set to 'N'.
- Multiple debit items can be included after 1 credit item if they belong to the same transaction.
- A valid routing number field consists of 2 fields; the 8 digit Payor Bank Routing Number (Field 4) and the 1 digit Payor Bank Routing Number Check Digit (Field 5).

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	Auxiliary On-Us	С	03 – 17	NBSM	Required if Present	Mandatory if present On-Us symbols on the MICR line, shall not be included Dashes must be retained
3	External Processing Code	С	18 – 18	NS	Required if Present	Mandatory if present on the MICR Line The External Processing Code is position 44 of the MICR line. This field is located immediately to the left of the Routing Transit field. The ONLY valid values are '0 – 9' and '*'
4	Payor Bank Routing Number	М	19 – 26	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. Shall represent the first 8 digits of the routing number.
5	Payor Bank Routing Number Check Digit	М	27 – 27	N	Required	Mandatory – shall be the routing number check digit. The combination of fields 4 and 5 must be a mod-checked routing number with a valid check digit.
6	On-Us	С	28 – 47	NBSM OS	Required if Present	Mandatory if present on the MICR Line The On-Us Field of the MICR document is located between positions 14 and 32 of the MICR Line of the item. On-Us symbols, as they appear within this field on the MICR line, must be represented with a forward slash(/). Dashes must be retained



7	Item Amount	М	48 – 57	N	Required	
8	ECE Institution Item Sequence Number	М	58 – 72	NB	Required	Field must contain a numeric value. It cannot be all blanks.
9	Documentation Type Indicator	М	73 – 73	AN	Required	'G'
10	Return Acceptance Indicator	С	74 – 74	AN	None	
11	MICR Valid Indicator	С	75 – 75	N	None	
12	BOFD Indicator	М	76 – 76	Α	None	
13	Check Detail Record Addendum Count	М	77 – 78	N	Required	
14	Correction Indicator	С	79 – 79	N	None	
15	Archive Type Indicator	С	80 – 80	AN	None	



1.8 Check Detail Addendum A Record (Type 26) – Debit Item(s)

- This record is Conditional, but required when the Truncating Bank is the BOFD.
- This record is highly recommended when the BOFD is known, however manual keying of the record is not required
- The Bank of First Deposit (BOFD) Routing Number (Field 3) may be used to identify the routing number of the location of the institution where the item should be returned

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type				Required	
2	Check Detail Addendum A Record Number	М	03 - 03	N	Required	The Type '26'record with the highest number in this field shall indicate the current return location for this item
3	Bank of First Deposit (BOFD) Routing Number (or the routing number of the location of the institution where the item should be returned)	М	04 – 12	N	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit. This Routing Number is specified by the ECE institution, indicating the location to which returns shall be sent. This is usually the Bank of First Deposit however it may be an institution other than the BOFD. This field shall be applied to this item and takes precedent over any value present in the Return Location Routing number (Field 10) in the Bundle Header Record (Type 20).
4	BOFD Business (Endorsement) Date	M	13 – 20	N	Required	In the case of the original creation of a Forward Presentment Check Detail Addendum A Record (Type 26), the year, month and day of the depository institution endorsement shall be included. Must be a valid date in YYYYMMDD format - the endorsement that designates the business date of the BOFD. If this record is created as a result of receiving a Return Addendum A Record (Type 32) record, it shall include the date received in that record clause 15.4
5	BOFD Item Sequence Number	М	21 - 35	NB	Required if Present	If there is no Check Detail Addendum C Record (Type 28) the sequence number is Mandatory. In the case of no Record Type 28, the sequence number field type must be numeric. If you are creating an original 26 Record, field shall contain numeric data and shall not contain all blanks. If BOFD Item Sequence Number (Field 4) in the Return Addendum A Record (Type 32) was received electronically, that data shall be transferred to this field which may be all blanks
6	Deposit Account Number at BOFD				N	



7	BOFD Deposit Branch				None	
8	Payee Name				None	
9	Truncation Indicator	М	74 – 74	A	Required	'Y' indicates the BOFD Routing number (Field 3) is the truncator of the original check. (Institutions truncating a substitute check should not use a 'Y"). N' indicates BOFD is not truncator of original check
10	BOFD Conversion Indicator				None	
11	BOFD Correction Indicator				None	
12	User Field				None	
13	Reserved				None	



1.9 Image View Detail Record (Type 50) - Debit Item(s)

- This record is Mandatory when the Documentation Type Indicator (Field 9) in the Check Detail Record (Type 25) is 'G'
- According to industry best practices, the front image shall be provided first followed by the rear image of the item
- If there are multiple views of the check the first two are considered primary views and must be the bi-tonal front and bi-tonal rear.
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	Image Indicator	М	03 – 03	N	Required	'1' indicates Image view is check or substitute check
3	Image Creator Routing Number	M	04 - 12	N	None	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit
4	Image Creator Date	М	13 - 20	N	None	
5	Image View Format Indicator	С	21 – 22	Z	Required	Primary views shall only have a value of '00' Shall only be present when the Image Indicator (Field 2) is not equal to '0'.
6	Image View Compression Algorithm Identifier	С	23 – 24	N	Required	Primary views shall only have a value of '00' Shall only be present when the Image Indicator (Field 2) is not equal to '0'.
7	Image View Data Size	С	25 - 31	N	None	Field is ignored. Image View Data size shall be obtained from Image View Data Record (Type 52) Length of Image Data (Field 18).
8	View Side Indicator	М	32 - 32	N	Required	The only valid values are: '0' Front Image View '1' Rear Image View
9	View Descriptor	М	33 – 34	N	Required	The only valid value for primary views is: '00' Full View



10	Digital Signature Indicator	С	35 - 35	N	Required if Present	Shall only be present when the Image Indicator (Field 2) is not equal to '0'.
11	Digital Signature Method	С	36 – 37	N	None	
12	Security Key Size	С	38 – 42	N	Required if present	
13	Start of Protected Data	С	43 – 49	N	Required if present	
14	Length of Protected Data	С	50 – 56	N	Required if present	
15	Image Recreate Indicator	С	57 – 57	N	None	
16	User Field	С	58 – 65	ANS	None	
17	Image TIFF Variance Indicator	С	66 – 66	AN	None	
18	Override Indicator	С	67 – 67	AN	None	
19	Reserved	M	68 – 80	В	None	Field position has been redefined



1.10 Image View Data Record (Type 52) – Debit Item(s)

- This record is Mandatory when the Documentation Type Indicator (Field 9) in the Check Detail Record (Type 25) is 'G'
- The Image View Detail Record (Type 52) is one of two records (Image View Detail Record (Type 50) and Image View Data Record (Type 52)) that shall be used together to convey an image view associated with the related Check Detail Record (Type 25) or Return Record (Type 31).
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	ECE Institution Routing Number (Clause 9.4)	M	03 – 11	Z	Required	Must be a valid routing and transit number issued by the ABA's Routing Number Registrar. The routing number shall be mod-checked with a valid check digit. Must be the same as ECE Institution Routing number in the Bundle Header Record (Type 20).
3	Bundle Business Date (Clause 9.5)	M	12 – 19	N	Required	Must be a valid date in YYYYMMDD format
4	Cycle Number (Clause 9.9)	С	20 – 21	AN	None	
5	ECE Institution Item Sequence Number (Clause 10.8)	M	22 – 36	NB	Required	Field must contain a numeric value. It cannot be all blanks.
6	Security Originator Name	С	37 – 52	ANS	None	
7	Security Authenticator Name	С	53 – 68	ANS	None	
8	Security Key Name	С	69 – 84	ANS	None	
9	Clipping Origin	M	85 - 85	NB	Required	'0' indicates Full View. Primary front and rear views shall only have a value of '0'
10	Clipping Coordinate h1	С	86 – 89	N	None	
11	Clipping Coordinate h2	С	90 – 93	N	None	
12	Clipping Coordinate v1	С	94 – 97	N	None	
13	Clipping Coordinate v2	С	98 – 101	N	None	
14	Length of Image Reference Key	M	102 – 105	NB	Required	'0' indicates Image Reference Key (Field 15) is not present
15	Image Reference Key	С	106 -	ANS	None	



			(105+X)			
16	Length of Digital Signature	М	(106+X) - (110+X)	NB	Required	'0' indicates that a Digital Signature is not present.
17	Digital Signature	С	(111+X) - (110+X +Y)	binary	None	
18	Length of Image Data	M	(111+X +Y) – (117+X +Y)	NB	Required	Shall be greater than zero unless the Primary Front or Rear view is not available.
19	Image Data	M	(118+X +Y) – (117+X +Y+Z)	binary	Required	



1.11 Bundle Control Record (Type 70)

- This record is used in conjunction with the Bundle Header Record (type 20). In the case of an empty Cash Letter there will be no Bundle Header Record and therefore no Bundle Control Record.
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	Items Within Bundle Count	М	03 – 06	N	Required	
3	Bundle Total Amount	М	07 – 18	N	Required	
4	MICR Valid Total Amount	С	19 – 30	N	None	
5	Images within Bundle Count	М	31 - 35	N	Required	
6	User Field	С	36 – 55	ANS	None	
7	Reserved	М	56 – 80	В	None	



1.12 Cash Letter Control Record (Type 90)

- This record is Mandatory. There must be one Cash Letter Control Record (Type 90) for each Cash Letter Header Record (Type 10).
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	Bundle Count	М	03 – 08	N	Required	
3	Items Within Cash letter Count	М	09 – 16	N	Required	
4	Cash Letter Total Amount	М	17 – 30	N	Required	
5	Images Within Cash Letter Count	М	31 - 39	Α	Required	
6	ECE Institution Name	С	40 - 57	Α	None	
7	Settlement Date	С	58 - 65	N	None	
8	Reserved	М	66 - 80	В	None	



1.13 File Control Record (Type 99)

- This record is Mandatory.
- Fields listed with Number and Name only shall be formatted per DSTU X9.37 2003 standard

Field	Field Name	Usage	Position	Туре	Validation Criteria	Comments
1	Record Type	М	01 – 02	N	Required	
2	Cash Letter Count	М	03 – 08	N	Required	
3	Total Record Count	М	09 – 16	N	Required	
4	Total Item Count	М	17 – 24	N	Required	
5	File Total Amount	М	25 – 40	N	Required	
6	Immediate Origin Contact Name	С	41 – 54	ANS	None	
7	Immediate Origin Contact Phone Number	С	55 – 64	N	None	
8	Reserved	M	65 – 80	В	None	