



Financial Interprocess Communication (FINIPC) Manual

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Introduction

About This Manual

This manual describes the financial interprocess communication (FINIPC) messages. The FINIPC messages are fixed messages that are routed to related fields. The FINIPC manual is for Fidelity National Information Services (FIS, formerly known as EFD/eFunds Corporation) internal staff and software customers. The FINIPC segment information includes all of the associated logscan names.

Overview

Each FINIPC segment includes the following information:

Logscan Name

The related logscan name for each FINIPC segment field.

Description

The description provides an explanation or definition of each field or subfield for a segment.

Default Value

The value entered or the default value assigned by the system if no data is entered.

Possible Values

The valid selections that are assigned to a specific FINIPC field.

Initially Set By

The system process(es) that originally set the FINIPC field information.

Modified By

The system process(es) that modify the FINIPC field information.

Used By

The system process(es) that use the FINIPC field information.

Revision Log

Date	Effective w/Version	Chapter	Change
February 2019	V1.74	All	<ul style="list-style-type: none"> Updated the version of the manual to V1.74.
		2	<ul style="list-style-type: none"> Updated the Possible Values for the table POS^DATA.CARDHOLDER^PRES on page 147.
		Appendix A	<ul style="list-style-type: none"> Added the Message Action Code “A56” on page 534.
November 2018	V1.73	Appendix A	<ul style="list-style-type: none"> Updated the Message Codes 890, 891, and 892-899 on page 514.
September 2018	V1.73	All	<ul style="list-style-type: none"> Updated the version of the manual to V1.73.
August 2018	V1.5	Appendix A	<ul style="list-style-type: none"> Added the Message Reason Code “3718” on page 536.
May 2018	V1.5	2	<ul style="list-style-type: none"> amt^crd^bill^fee <ul style="list-style-type: none"> Updated the text for Possible Values on page 173.
March 2018	V1.5	2	<p>Added the following flag:</p> <ul style="list-style-type: none"> PROCESS^BILLING^FLAG[0].<2> - BYPASS^ARQC
October 2017	V1.5	2	<ul style="list-style-type: none"> term^class <ul style="list-style-type: none"> Updated the text for Possible Values on page 140. crd^cat <ul style="list-style-type: none"> Updated the CEDDSTR card category values on page 156. send^adv^opt <ul style="list-style-type: none"> Updated the coaching values on page 350. pmc^err <ul style="list-style-type: none"> Updated the description of PMC error on page 360. ap^data <ul style="list-style-type: none"> Updated all references of Bit to Byte on page 378. <p>Updated the Possible Values for the following tables:</p> <ul style="list-style-type: none"> PROC^CODE.TRAN^TYPE on page 44. PROC^CODE.FROM^ACCT^TYPE on page 47. PROC^CODE.TO^ACCT^TYPE on page 50. <p>Added the Appendix “PMC Errors” on page 603.</p>

Date	Effective w/Version	Chapter	Change
August 2017	V1.5	2	Renamed Bar code to "Bar code or QR code" under the following: <ul style="list-style-type: none"> • “POS^DATA.CARD^DATA^INPUT^CAP” on page 142. • “POS^DATA.CARD^DATA^INPUT^MODE” on page 149.
		Appendix A	<ul style="list-style-type: none"> • Added the Message Reason Code “3717” on page 536.
December 2016	V1.5	Appendix A	<ul style="list-style-type: none"> • Added the Function Code “595” on page 528.
October 2016	V1.5	Appendix A	<ul style="list-style-type: none"> • Added the Message Reason Code “1379” on page 535.
August 2016	V1.5	2	Added the following flags: <ul style="list-style-type: none"> • EVENT^BROKER = PROCESS^BILLING^FLAG[0].<3> in PROCESS^BILLING^FLAG • PROCESS^BILLING^FLAG[0].<3> - EVENT^BROKER
April 2016	V1.5	Appendix A	Added the following values in the table - Message Reason Codes List: <ul style="list-style-type: none"> • 3720 • 3721.
December 2015	V1.5	2	<ul style="list-style-type: none"> • Changed 'Optional' to 'Optical' on page 142 and page 149.
October 2015	V1.5	2	<ul style="list-style-type: none"> • Updated the Possible Value AID in the section “PROCESSING^FLAG[2].<12:15> - ROUTING^METHOD” on page 220
September 2015	V1.5	Appendix A	Added the following values in the table - Message Reason Codes List: <ul style="list-style-type: none"> • 3700 • 3701 • 3702 • 3703 • 3711 • 3712 • 3713 • 3714 • 3715 • 3716.
		Appendix A	Added Step 13 to the following: <ul style="list-style-type: none"> • Message Codes list on page 500. • Step Codes List on page 525.

Date	Effective w/Version	Chapter	Change
March 2015	V1.5	2	Added the following in Segment 8: <ul style="list-style-type: none"> • DC and AT possible values • CCD redefine • DC and AT format
	V1.5	2	Added the following: <ul style="list-style-type: none"> • PIN^VALIDATION^BYPASSED = PROCESS^BILLING^FLAG[0].<4> in PROCESS^BILLING^FLAG • PROCESS^BILLING^FLAG[0].<4> - PIN^VALIDATION^BYPASSED
January 2015	V1.5	2	<ul style="list-style-type: none"> • Added a value W - Secure cardless entry in possible values of POS^DATA.CARD^DATA^INPUT^MODE table. • Added a value V - Secure cardless entry capability in possible values of POS^DATA.CARD^DATA^INPUT^CAP table.
September 2014	V1.5	All	<ul style="list-style-type: none"> • Formatted text throughout the manual to meet business needs.
August 2014	V1.5	Appendix A	<ul style="list-style-type: none"> • Added “Additional Amounts Fields” on page 550. • Updated the following tables: <ul style="list-style-type: none"> ○ “Acct^Type” on page 550. ○ “Amt^Type” on page 551. ○ “Acct^Idx” on page 553.
		2	<ul style="list-style-type: none"> • Updated the text in “Modified By” on page 374
May 2014	V1.5	Appendix A 2	<ul style="list-style-type: none"> • Deleted Format 8 - PI. • Updated the Possible Values on page 366, page 368, page 416, and page 418.
	V1.5	Appendix B	Added missing letter "s" in Logscan Name pos^data^crdhld^pres on page 568 and page 593 .
	V1.5	Appendix A	Updated the text in Header Message section.
April 2014	V1.5	2	Updated the Description and Possible Values of MSG^LENGTH on page 34 .
	V1.5	2	Updated 93 - Cash Deposit Amount in Possible Values for AMT^TYPE .
	V1.5	2	Updated the Possible Values for ATC^VALIDATION^RESULT .
	V1.5	Appendix A	Updated the description of Message Reason Code 1382 .

Date	Effective w/Version	Chapter	Change
March 2014	V1.5	Appendix A	Added a new Message Reason Code List value “1010” on page 535.
February 2014	V1.5	Appendix A	Message Code List <ul style="list-style-type: none"> Added the following Message Code: <ul style="list-style-type: none"> A49 on page 534.
	V 1.5	2	Segment 01: <ul style="list-style-type: none"> POS^DATA.CARD^DATA^INPUT^MODE <ul style="list-style-type: none"> Added the value "R" to the list of possible values on page 150.
August 2013	V1.5	2	Segment 05: <ul style="list-style-type: none"> AMT^TYPE: <ul style="list-style-type: none"> Added “92” on page 552. Updated description for “91” on page 552. Segment 09: <ul style="list-style-type: none"> AMT^TYPE: <ul style="list-style-type: none"> Updated description for “91” on page 552.
May 2013	V1.5	2	Added the following: <ul style="list-style-type: none"> “PROCESS^BILLING^FLAG[2].<1:2> - DEMD^DATA^SOURCE” on page 264. “PROCESS^BILLING^FLAG[2].<4:6> - FALCON^SCORE^TYPE” on page 265. “PROCESS^BILLING^FLAG[2].<7> - INCLUDE^SURCHARGE^IN^USAGE” on page 266. “PROCESS^BILLING^FLAG[0].<5> - EMV^PERFORMED” on page 240. “PROCESS^BILLING^FLAG[0].<6> - SENT^TO^BACKUP^AP” on page 241. “PROCESS^BILLING^FLAG[0].<7> - ACQR^RECON^CURRENCY^OVERRIDE” on page 242. “PROCESS^BILLING^FLAG[0].<8> - INTERNET^PIN^DEBIT^TRAN” on page 243. “PROCESS^BILLING^FLAG[0].<9> - ISSR^CHG^CARD^BILL^CURR” on page 244. “PROCESS^BILLING^FLAG[0].<10> - NOTIFY^STANDIN” on page 245. “PROCESS^BILLING^FLAG[0].<11> - FALCON^PART^LEVEL” on page 246.

Date	Effective w/Version	Chapter	Change
			<ul style="list-style-type: none"> • “PROCESS^BILLING^FLAG[0].<12:13> - FALCON^OLP^REASON” on page 247. • “PROCESS^BILLING^FLAG[0].<14:15> - FRAUD^MGR^BLOCK” on page 248. • “PROCESS^BILLING^FLAG[1].<0> - AP^FOR^PIN^VAL^ONLY” on page 249. • “PROCESS^BILLING^FLAG[1].<1> - CB^FOR^TRAN” on page 250. • “PROCESS^BILLING^FLAG[1].<2> - DYNAMIC^CVC3^PERFORMED” on page 251. • “PROCESS^BILLING^FLAG[1].<3> - ARPC^REGEN^PERFORMED” on page 252. • “PROCESS^BILLING^FLAG[1].<4> - MULTI^SWITCH^CURR^IND” on page 253. • “PROCESS^BILLING^FLAG[1].<5> - AUTH^INST^IND” on page 254. • “PROCESS^BILLING^FLAG[1].<6> - OFFLINE^FORCE^POST” on page 255. • “PROCESS^BILLING^FLAG[1].<7> - PINNED^TRANS” on page 256. • “PROCESS^BILLING^FLAG[1].<8> - ISSR^PERFORMED^MATCH” on page 257. • “PROCESS^BILLING^FLAG[1].<9:10> - FRAUD^CARD^TYPE” on page 258. • “PROCESS^BILLING^FLAG[1].<11:12> - CASE^MGMT^OPT” on page 259. • “PROCESS^BILLING^FLAG[1].<13> - ACQR^RATE^TABLE” on page 260. • “PROCESS^BILLING^FLAG[1].<14> - ISSR^RATE^TABLE” on page 261. • “PROCESS^BILLING^FLAG[1].<15> - CURRENCY^CONVERSION” on page 262.
March 2013	V1.5	2	<p><u>Segment 01:</u></p> <ul style="list-style-type: none"> • POS^DATA.CARD^DATA^INPUT^MODE <ul style="list-style-type: none"> ○ Added the values "B" and "C" to the list of possible values on page 149.

Date	Effective w/Version	Chapter	Change
		Appendix A	<p>Message Code List</p> <ul style="list-style-type: none"> Added the following Message Codes: <ul style="list-style-type: none"> 404 to 406 on page 501. 407 to 409 on page 502. 464 to 469 on page 504. 600 to 640 on page 509. 693 to 699 on page 511. 871 to 889 on page 513. 904 to 909 on page 514. 1100 to 1299 on page 515. 1207 to 1499 on page 516. 1523 to 1599 on page 518. 1750 - 1757 on page 519. 1758 to 1799 on page 520. 2000 to 2011 on page 521. 2012 to 2499 on page 522.
		Appendix A	<p>Message Reason Codes List</p> <ul style="list-style-type: none"> Added the following Message Reason Codes: <ul style="list-style-type: none"> 1008, 1009, 1121, 1383, and 1384 on page 535.
February 2013	V1.5	2	<p><u>Segment 01:</u></p> <ul style="list-style-type: none"> POS^DATA.CARDHOLDER^AUTHENT^CAP <ul style="list-style-type: none"> Added new values to the list of possible values on page 143.
January 2013	V1.5	Appendix A	<p>Message Code List:</p> <p>Added Message Code A47, A48 and A51 on page 534.</p>
		2	<p><u>Segment 05:</u></p> <ul style="list-style-type: none"> AMT^TYPE: <ul style="list-style-type: none"> Updated and added values to the list of possible values on page 371.
March 2012	V1.5	Appendix A	<p>Message Code List:</p> <ul style="list-style-type: none"> Added Message Code “890” on page 514.
February 2012	V1.5	Appendix A	<p>Message Function Codes List:</p> <ul style="list-style-type: none"> Added the new value 182, “Card validation” on page 527.
October 2011	V1.5	2	<p><u>Segment 08:</u></p> <ul style="list-style-type: none"> RESULT <ul style="list-style-type: none"> Added E and F values to the list of possible values on page 399.
September 2011	V1.5	Appendix A	<p>Message Action Code List:</p> <ul style="list-style-type: none"> Added the new Message Reason Code List value “4022” on page 537.

Date	Effective w/Version	Chapter	Change
		2	<u>Segment 02:</u> <ul style="list-style-type: none"> • ICHG^DESIGNATOR <ul style="list-style-type: none"> ○ Added the values 2, 6 to the list of possible values on page 311. • SERV^CODE <ul style="list-style-type: none"> ○ Added the values 21, 22, 23 and 26 to the list of possible values on page 312.
February 2011	V1.5	2	<u>Segment 01:</u> <ul style="list-style-type: none"> • POS^DATA.CARD^DATA^INPUT^MODE <ul style="list-style-type: none"> ○ Added the value "V" to the list of possible values on page 150.
November 2010			<u>Segment 08:</u> <ul style="list-style-type: none"> • CONTACTLESS^RESULT^CODE <ul style="list-style-type: none"> ○ Updated the "Possible Values" on page 406.
August 2010	V1.5	5	<u>Segment 05:</u> <ul style="list-style-type: none"> • AMT^TYPE: <ul style="list-style-type: none"> ○ Updated the type of amount for value "17" on page 551.
April 2009	V1.5	2	<u>Segment 01:</u> <ul style="list-style-type: none"> • PROC^CODE.TRAN^TYPE: <ul style="list-style-type: none"> ○ Added the Code and description "73" on page 45. <u>Segment 08:</u> <ul style="list-style-type: none"> • Added the following new field: <ul style="list-style-type: none"> ○ "RESULT" on page 398.
February 2009	V1.5	2	<u>Segment 01:</u> <ul style="list-style-type: none"> • Added the value "S" to the list of possible values for: <ul style="list-style-type: none"> ○ "POS^DATA.CARDHOLDER^PRES" on page 147.
		Appendix A	Message Action Code List: <ul style="list-style-type: none"> • Added Action Codes from "A30" on page 533 to "A55" on page 534.
February 2009	V1.5		Initial release of the manual for V1.5.



FINIPC Segments

This chapter of the Financial Interprocess Communication (FINIPC) Manual identifies and describes all of the FINIPC segments. Each segment includes information about associated subfields, flags, timestamps, and logscan names.

Segment 00-Header

MSG^CODE

Logscan Name	Redefine of
msg^code	HEADER

Description

The Message Code identifies the logged record as a Connex™ on HP NonStop® (CHPNS) system financial interprocess communication (FINIPC) message.

Default Value

Blank

Possible Values

The majority of the FINIPC messages have a message code of 400 to identify the message as a financial transaction. See Appendix A ([“Message Codes List” on page 499](#)) for a listing of possible values.

Initially Set By

Message acquirer or initiator.

Modified By

Not modified.

Used By

- Logger
- Offline Services

STEP

Logscan Name	Redefine of
step	HEADER

Description

The Step Code indicates the current state of the transaction. Step Codes are logged or written to the PEND or checkpoint files. These codes are used to troubleshoot problems. Step values that are critical to the settlement process analyze the code to determine the message type. This field displays as two digits for step codes less than 100 and four digits for all other occurrences.

Default Value

Blank.

Possible Values

Refer to the list of CHPNS system step codes. See Appendix A ([“Step Codes List” on page 525](#)) for a listing of possible values.

Initially Set By

Message acquirer or initiator.

Modified By

The current owner of the message is modified as processing continues.

Used By

- Logger
- Offline services
- All processes to analyze the current state of the transaction

SOURCE

Logscan Name	Redefine of
source	HEADER

Description

The Source field indicates the process name that initiated the message.

Default Value

Blank

Possible Values

The standard CHPNS system process name uses the format \$xxxxx. The x represents an alphanumeric character.

Initially Set By

Message initiator.

Modified By

Any process involved in sending the transaction to another process. If logged, this field also includes the process that sent the message to the Logger.

Used By

The receiving process to determine the process that is sent a reply or an acknowledgement.

DESTINATION

Logscan Name	Redefine of
destination	HEADER

Description

The Destination indicates the name of the process the message is sent to.

Default Value

Blank.

Possible Values

The standard Connex™ on HP NonStop system process names uses the format \$xxxxx. The x represents an alphanumeric character.

Initially Set By

Message initiator.

Modified By

Any process involved in sending the transaction to another process that is modified. If logged, this field includes the name of the Logger process that wrote the message to the activity log files.

Used By

FIS utilities to determine the process an interprocess communication (IPC) message is sent to.

OUTPUT^ONLY^INFO

Logscan Name	Redefine of
reply^tag	HEADER

Description

The Output Only Information is used by the message initiator to send special transaction processing data to the receiver. The originator does not receive the information back in any reply.

Default Value

Blank.

Possible Values

This value is determined by the interaction between the sending process and the receiver.

Initially Set By

Message initiator.

Modified By

Not modified.

Used By

Message receiver if needed.

PACKET^ID

Logscan Name	Redefine of
reply^tag	OUTPOST^ONLY^INFO

Description

The Packet ID is a redefine of the OUTPUT^ONLY^INFO field. The process that receives the IPC message stores the EXS Packet ID before processing the message. This information is required for the message receiver to reply to the message they received.

Default Value

Blank.

Possible Values

Any numeric.

Initially Set By

Message receiver before processing the message.

Modified By

Not modified.

Used By

Message receiver.

REPLY^TAG

Logscan Name	Redefine of
reply^tag	OUTPUT^ONLY^INFO

Description

The Reply Tag is a redefine of the OUTPUT^ONLY^INFO field. Connex™ on HP NonStop programs that are not completely converted to the EXS utilities use this field to store the identifier assigned by the HP NonStop Guardian system for the message received on \$RECEIVE. This information is required if the receiver sends a reply.

Default Value

Blank.

Possible Values

Any numeric.

Initially Set By

The message receiver before the message is processed.

Modified By

Not modified.

Used By

Message receiver.

REPLY^EXPECTED

Logscan Name	Redefine of
reply^exp	HEADER

Description

The Reply Expected is used by the requester process to communicate to the server process if a reply is required. If messages are recorded by the Logger, this field represents the Logger's sequence number for that message.

Default Value

Zero.

Possible Values

A signed numeric.

Initially Set By

Message initiator.

Modified By

The Logger is modified if the message is written to the activity log file.

Used By

Message receiver.

ACKNOWLEDGE

Logscan Name	Redefine of
reply^exp	REPLY^EXPECTED

Description

The Acknowledge is a redefine of the REPLY^EXPECTED field and is used by the requester process to communicate to the server process if an acknowledgement is required.

Default Value

Zero.

Possible Values

A signed numeric.

Initially Set By

Message initiator.

Modified By

The Logger is modified if the message is written to the activity log file.

Used By

Message receiver.

MSG^LENGTH

Logscan Name	Redefine of
msg^length	HEADER

Description

The Message Length indicates the actual, uncompressed length of the entire FINIPC message in bytes. This value is the sum total of the bytes for all fields in both the header and the body of the message.

Default Value

The length of the header.

Possible Values

Any numeric value in the range from the length of the header to the maximum message length. The msg^length value displayed may differ from the LOGSCAN number of bytes read it displays. When the FINIPC msg^length is > 4072 bytes then LOGGER uses data compression and the actual bytes written is less. See Tech Memo GEN00048 Token Data Logging - Extended Token Area, for additional discussion when msg^length is not the actual number of bytes written.

Initially Set By

Message initiator.

Modified By

Not modified.

Used By

Internal utilities.

Segment 01-Data Required for Settlement

SEGMENT^1

Logscan Name
segment^flag

Description

This four-byte are that is the first field of the first segment of the FINIPC. This field is a redefine that includes 32, one-bit flags that identify any of the 23 segments that are included or excluded from the FINIPC. The following section provides additional information about specific segment flags.

Default Value

Zero.

Possible Values

Refer to the individual segment flags for specific information.

Initially Set By

Logger.

Modified By

Not modified.

Used By

- Logscan Name
- IBM Settlement Interface

SEGMENT^FLAGS

Logscan Name	Redefine of
segment^flags	SEGMENT^1

Description

The SEGMENT^FLAGS is a two-word redefine of the SEGMENT^1 field and includes a one-bit flag for each FINIPC segment used and any unused bits for future segments. These flags use the internal financial message structure to identify any segments included in an activity log file record.

This field is set by Logger as it creates the activity log file record for message codes 400, 430 (step code 1 only), 481, 482 and 483. Any other logged record that includes the internal financial message structure has all segments written. For example, message code 466 for a log exception item.

Logger determines the logged segments using the values included in both the Acquirer Segment Logging Option and the Issuer Segment Logging Option fields. Logscan displays the sequence of the 32 available flags as binary 0/1 values. The map for each segment is listed here:

Word	Bit #	Segment #	Segment Name
One	0	1	REQUIRED^FOR^SETTLEMENT^SEG
	1	2	PROBLEM^DETERMINATION^SEG
	2	3	ACQR^DATA^SEG
	3	4	ISSR^DATA^SEG
	4	5	ADTL^RESPONSE^AMOUNTS^SEG
	5	6	AP^SEG
	6	7	ADTL^RESPONSE^DATA^SEG
	7	8	TRAN^UNIQUE^DATA^SEG
	8	9	ADTL^REQUEST^AMOUNTS^SEG
	9	10	BILL^COUNTERS^SEG
	10	11	ACQR^REFERENCE^DATA^SEG
	11	12	ISSR^REFERENCE^DATA^SEG
	12	13	ACQR^SETL^CURRENCY^SEG
	13	14	ISSR^SETL^CURRENCY^SEG

Word	Bit #	Segment #	Segment Name
	14	15	TRAN^DESCRIPTION^SEG
	15	16	TRAN^FEE^AMOUNTS^SEG
Two		017	PAYEE^NAME^SEG
	1	18	ORIGINAL^DATA^ELEMENTS^SEG
	2	19	ADTL^INSTITUTION^IDS^SEG
	3	20	ADTL^NATIONAL^DATA^PRIV^SEG
	4	21	ACQR^DATA^PRIVATE^SEG
	5	22	ISSR^DATA^PRIVATE^SEG
	6	23	IN^MEMORY^ONLY^DATA^SEG
	7-15		Not used

Default Value

Zero.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency.

Value	Description
0	Segment not present
1	Segment present

Initially Set By

Logger.

Modified By

Not modified.

Used By

- Logscan Name
- IBM Settlement Interface

MTI

Logscan Name
mti

Description

This field is a single, four-character value that includes the following single-character subfields in the order listed here:

Subfield		Description
MTI.VERSION	Version Number	The version number of the message
MTI.CLAS	Message Class	The activities performed by the message
MTI.FUNC	Message Function	The purpose of the message
MTI.ORIG	Transaction Originator	The originator of the transaction

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency.

MTI.VERSION

Value	Description
1	ISO 8583: 1992
9	Connex™ on HP NonStop private use

Initial Set By

- Authorization Processor (AP)
- Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- IBM Offline Settlement
- Processor Interface (PI)
- Primary Message Control (PMC)

MTI.CLAS

Value	Description
1	Authorization approval or guarantee of funds by the card issuer to the acquirer. Does not allow the application of the approved transaction amount to the cardholder's account for billing or posting.
2	Financial. Allows the application of the approved transaction to the cardholder's account for billing or posting.
4	Reversal/chargeback. <ul style="list-style-type: none"> • A reversal initiated by the acquirer that partially or completely voids a previous financial or authorization transaction. • A chargeback initiated by the issuer that partially or completely voids a previous financial transaction.
5	Reconciliation
6	Administrative
7	Fee collection
8	Network management

Initial Set By

- Authorization Processor (AP)
- Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP) - Mapped into Transaction Code
- IBM Offline Settlement
- Processor Interface (PI) - Mapped into external message field(s) using the Tran Field Code Mapping (CEDCMAP) file.
- Primary Message Control (PMC) - Restrictive interchange and transaction routing.

MTI.FUNC

Value	Description
0	Request. This message informs the receiver that a transaction is in progress and a response is required to complete the activity.
1	Request response. This message informs the receiver of the response to the request by the sender. This can be a full approval, a partial approval, a decline or a reject.
2	Advice. This message informs the receiver of an activity that does not require approval but requires a response.
3	Advice response. This message informs the receiver about the sender's decision to transfer the financial liability because of the advice.
4	Notification. This message informs the receiver of an activity that does not require an approval or a response.
5	Notification response. This message is created to respond to any advice or reversal. This is currently created only for CITI Processor Interface.

Initially Set By

- Authorization Processor (AP)
- Terminal Handler (TH) - Mapped from external message field(s) using the THxxCST table or hard coded.
- Processor Interface (PI) - Mapped from external message field(s).

Modified By

Not modified.

Used By

- Authorization Processor (AP) - Mapped into Transaction ID
- IBM Offline Settlement
- Processor Interface (PI) - Mapped into external message field(s).
- Primary Message Control (PMC) - Used to determine steps to process a message.

MTI.ORIG

Value	Description
0	Acquirer. The financial institution (or its agent) that acquires transaction related data from the card acceptor that has been initiated into an interchange system.
1	Acquirer repeat. If no response is received, the acquirer can repeat the message.
2	Issuer. The financial institution (or its agent) that issues the financial transaction card to the cardholder.
3	Issuer repeat. If no response is received, the issuer can repeat the message.
4	General origin
5	General repeat

Initially Set By

- Processor Interface (PI) - Mapped from external message field(s).
- Terminal Handler (TH) - Mapped form external message field(s) using the THxxCST table or hard coded.

Modified By

Not modified.

Used By

Not used.

MSG^MTI

Logscan Name	Redefine of
mti	MTI

Description

This field is a redefine of the mti field with the same subfields and following the same order as the mti field. This field accesses the mti field information using a different path. This field includes the following single-character subfields in the order listed here:

Subfield	Type	Description
MSG^MTI.VERSION	Version Number	Version number for the message
MSG^MTI.CLAS	Message Class	Specific activities performed by the message
MSG^MTI.FUNC	Message Function	Purpose of the message
MSG^MTI.ORIG	Transaction Originator	Originator of the transaction

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency. Refer to the MTI description for specific information.

Initially Set By

Refer to the MTI description for specific information.

Modified By

Refer to the MTI description for specific information.

Used By

Refer to the MTI description for specific information.

PROC^CODE

Logscan Name
No Logscan Name

Description

This field displays as individual subfields rather than as a single field. For additional information about descriptions and values, refer to the specific subfields. This field includes the following subfields in the order listed here:

Subfield	Type	Description
PROC^CODE.TRAN^TYPE	Transaction Type	This describes the effect the transaction has on the cardholder's account.
PROC^CODE.FROM^ACCT^TYPE	From Account Type	This specifies the account type affected for debits and inquiries and the From account for transfers and payments.
PROC^CODE.TO^ACCT^TYPE	To Account Type	This specifies the account type affected for credits and the To account for transfers and payments.

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency. For additional information about descriptions and values, refer to the specific subfields.

Initially Set By

Refer to the individual subfield for specific information.

Modified By

Refer to the individual subfield for specific information.

Used By

Refer to the individual subfield for specific information.

PROC^CODE.TRAN^TYPE

Logscan Name	Subfield of
proc^code^tran^type	PROC^CODE

Description

The Transaction Type is the first subfield of the Processing Code field. This subfield describes the affect of the transaction on the cardholder's account.

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency.

Value	Description
00	Goods Service
01	Cash
03	Check Guarantee
04	Check Verify
06	Traveller Check
09	Goods Cashback
10	Fund an Account
11	Quasi-cash and Scrip
13	Funds Withdrawal for Electronic Purse
17	Cash Check
18	Deferred Debit Purchase
19	Deferred Goods and Services with Cash Disbursement
20	Return
21	Deposit
24	Check Deposit
25	Cash Deposit
28	Payment Return

Value	Description
29	Deposit to Commercial
30	Funds Available Inquiry
31	Balance Inquiry
33	Account Verification
39	Generic Balance Inquiry
40	Cardholder Transfer
50	Payment
54	P2P Payment Debit Transactions
55	Payment From 3rd Party
56	P2P Payment Credit Transactions (reserved)
59	Payment Enclosed
70	Load of Prepaid/Stored-Value Card (non-settle)
71	Card Unload
72	Activation of Prepaid/Stored-Value Card (non-settle)
73	PIN Unblock
90	PIN Change Request
91	Information Inquiry
92	Notification to Bank
93	ID Verification

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH) - Mapped from external message field(s) using the THxxCST table or hard coded.

Modified By

- Primary Message Control (PMC)
- Terminal Handler (TH) during OAR processing as the cardholder selects account(s) accessed by the transaction.

Used By

- Authorization Processor (AP)



- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Totals

PROC^CODE.FROM^ACCT^TYPE

Logscan Name	Subfield Name
proc^code^from^type	PROC^CODE

Description

The From Account Type is the second subfield of the Processing Code field. This subfield specifies the account type used for debits and inquiries and the From account used for transfers and payments.

Default Value

Blank.

Possible Values

The following codes are controlled by the ISO 8583 Codes Maintenance Agency.

Value	Description
00	Default Account
05	Conversion w/Verification
06	Check Debit (From)/Return (To)
07	Check Conversion Only
08	Financial instrument, not an account (cash or check)
09	Default Other Account
10	Default Savings Account
19	Other Savings Account
20	Checking Account
29	Other Checking Account
30	Credit Facility Account
39	Other Credit Facility Account
40	Universal Account
49	Other Universal Account
50	Investment Account
59	Other Investment Account

Value	Description
60	Load Electronic Purse Card
67	Purchase Electronic Purse Card
70	Check in
71	Check out
72	Attendance Sheet Request
73	Attendance Report
74	Reconciliation Report
90	Default Loan Account
91	Mortgage Loan Account
92	Installment Loan Account
94	EBT Child Care Purchase Benefit
95	EBT WIC Benefit
96	EBT Cash Benefit
97	Unknown Account Type
98	EBT Food Stamp Benefit
99	Other Loan Account

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH) - Mapped from external message field(s) using the THxxCST table or hard coded.

Modified By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH) during OAR processing as the cardholder selects account(s) accessed by the transaction.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

- Terminal Handler (TH)
- Totals

PROC^CODE.TO^ACCT^TYPE

Logscan Name	Subfield of
proc^code^to^typ	PROC^CODE

Description

The To Account Type is the third subfield of the Processing Code field. This subfield specifies the account type used for credits and the To account used for transfers and payments.

Default Value

Blank.

Possible Values

The following codes are controlled by the ISO 8583 Codes Maintenance Agency.

Value	Description
00	Default Account
05	Conversion w/Verification
06	Check Debit (From)/Return (To)
07	Check Conversion Only
08	Financial instrument, not an account (cash or check)
09	Default Other Account
10	Default Savings Account
19	Other Savings Account
20	Checking Account
29	Other Checking Account
30	Credit Facility Account
39	Other Credit Facility Account
40	Universal Account
49	Other Universal Account
50	Investment Account
59	Other Investment Account

Value	Description
60	Load Electronic Purse Card
67	Purchase Electronic Purse Card
70	Check in
71	Check out
72	Attendance Sheet Request
73	Attendance Report
74	Reconciliation Report
90	Default Loan Account
91	Mortgage Loan Account
92	Installment Loan Account
94	EBT Child Care Purchase Benefit
95	EBT WIC Benefit
96	EBT Cash Benefit
97	Unknown Account Type
98	EBT Food Stamp Benefit
99	Other Loan Account

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH) - Mapped from external message field(s) using the THxxCST table or hard coded.

Modified By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH) during OAR processing as the cardholder selects account(s) accessed for the transaction.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

- Terminal Handler (TH)
- Totals

ACCT^QUAL^1

Logscan Name
acct^qual^1

Description

The Account Qualifier 1 provides additional information about the account accessed by the transaction.

Default Value

Blank.

Possible Values

These values are determined and agreed to by members of the network.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Terminal Handler (TH) - Taken from the THxxCST table using the key sequence received from the terminal.

Modified By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Totals

ACCT^QUAL^2

Logscan Name
acct^qual^2

Description

The Account Qualifier 2 provides additional information about the account accessed by the transaction.

Default Value

Blank.

Possible Values

These values are determined and agreed to by members of the network.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Terminal Handler (TH) - Taken from the THxxCST table using the key sequence received from the terminal.

Modified By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Totals

FUNC^CODE

Logscan Name
func^code

Description

The Function Code indicates the specific purpose of the message in the message class.

Default Value

Blank.

Possible Values

These Function Codes are controlled by the ISO 8583 Codes Maintenance Agency. See Appendix A ([“Message Function Codes List” on page 527](#)) for a listing of possible values.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH) - Mapped from external message field(s) using the THxxCST table or hard coded.

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Totals

ACT^CODE

Logscan Name
act^code

Description

The Action Code indicates any procedures performed for the cardholder's institution. This code includes any action and the reason for the action requested by the transaction authorizer for the card acceptor to perform.

Default Value

Blank.

Possible Values

The Action Code values are controlled by the ISO 8583 Codes Maintenance Agency. See Appendix A ([“Message Action Codes List” on page 529](#)) for a listing of possible values.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH) - Set by reversals and notifications from the THxxCST table or hard coded.

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Terminal Handler (TH) - Determines the approval or denial, or any special action, and/or the state the terminal should perform. Determines the terminal display or customer's receipt print-out.
- Totals

MSG^REASON^CODE^ACQR

Logscan Name
msg^reason^acq

Description

The Message Reason Code Acquirer indicates the reason for the message.

- The original authorizations and financial transactions identify the reason the message was sent. For example, the reason for an advice versus the reason for a request.
- The subsequent messages explain the reason for the action. For example, the reason for a reversal.

Default Value

Blank.

Possible Values

These Message Reason Code values are controlled by the ISO 8583 Codes Maintenance Agency. See Appendix A ([“Message Reason Codes List” on page 535](#)) for a listing of possible values.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH) - Set by reversals and notifications from the THxxCST table or hard coded.

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Totals

AUTH^LIFE^CYCLE

Logscan Name
No Logscan Name

Description

The Authorization Life Cycle indicates the period of time that the acquirer requires to guarantee funds for a financial transaction authorization request. This field displays as individual subfields rather than as a single field and includes the following subfields in the order listed here:

Subfield		Description
AUTH^LIFE^CYCLE TIME^CODE	Time Code	Defines the length of time for one iteration of the Time Interval subfield of the Authorization Life Cycle.
AUTH^LIFE^CYCLE TIME^INTERVAL	Time Interval	Defines the number of iterations for the Time Code subfield of the Authorization Life Cycle.

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency. For additional information, refer to the descriptions and the values for the specific subfields.

Initially Set By

Refer to the individual subfield for specific information.

Modified By

Refer to the individual subfield for specific information.

Used By

Refer to the individual subfield for specific information.

AUTH^LIFE^CYCLE.TIME^CODE

Logscan Name	Subfield of
auth^life^cycle^code	AUTH^LIFE^CYCLE

Description

The Time Code is the first subfield of the Authorization Life Cycle field. This subfield indicates the length of time for one iteration of the Time Interval subfield of the Authorization Life Cycle field. The Authorization Life Cycle defines the time period that the acquirer requests a guarantee of funds for a financial transaction authorization request.

Default Value

Blank.

Possible Values

The following codes are controlled by the ISO 8583 Codes Maintenance Agency.

Value	Description
Blank	There is no Authorization Life Cycle
1	Time Interval is in calendar days
2	Time Interval is in hours
3	Time Interval is in minutes

Initially Set By

- Processor Interface (PI)
- Terminal Handler (TH) - Taken from the Life Cycle Indicator field of the CEDTERM file if the transaction is a preauthorization request.

Modified By

Not modified.

Used By

Not used.

AUTH^LIFE^CYCLE.TIME^INTERVAL

Logscan Name	Subfield of
auth^life^cycle^int	AUTH^LIFE^CYCLE

Description

The Time Interval is the second subfield of the Authorization Life Cycle field. This subfield indicates the number of iterations for the Time Code subfield of the Authorization Life Cycle field. The Authorization Life Cycle defines the time period that the acquirer requires a guarantee of funds for a financial transaction authorization request.

Default Value

Blank.

Possible Values

Values 00 through 99.

Initially Set By

- Processor Interface (PI)
- Terminal Handler (TH) - Taken from the Life Cycle Indicator field of the CEDTERM file if the transaction is a preauthorization request.

Modified By

Not modified.

Used By

Not used.

DATE^TIME^LOCAL^TRAN

Logscan Name
datetime

Description

The Local Transaction Date and Time indicates the year, month, day and time the transaction occurred at the card acceptor location. Logscan displays this as a single field and includes the following subfields in the order listed here:

Subfield	Description
DATE^TIME^LOCAL^TRAN.YY	Year (minus the century the transaction occurred)
DATE^TIME^LOCAL^TRAN.MM	Month the transaction occurred
DATE^TIME^LOCAL^TRAN.DD	Day the transaction occurred
DATE^TIME^LOCAL^TRAN.HR	Hour the transaction occurred
DATE^TIME^LOCAL^TRAN.MN	Minute the transaction occurred
DATE^TIME^LOCAL^TRAN.SC	Second the transaction occurred

Default Value

Blank.

Possible Values

Value	Subfield
00 through 99	DATE^TIME^LOCAL^TRAN.YY
01 through 12	DATE^TIME^LOCAL^TRAN.MM
01 through 31	DATE^TIME^LOCAL^TRAN.DD
00 through 23	DATE^TIME^LOCAL^TRAN.HR
00 through 59	DATE^TIME^LOCAL^TRAN.MN
00 through 59	DATE^TIME^LOCAL^TRAN.SC

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Terminal Handler (TH).

MSG^DATE^TIME^LOCAL^TRAN

Logscan Name	Redefine of
datetime	DATE^TIME^LOCAL^TRAN

Description

The Message Local Transaction Date and Time is a redefine of the DATE^TIME^LOCAL^TRAN field. Logscan displays this value as a single field that includes the following subfields in the order listed here:

Subfield	Description
MSG^DATE^TIME^LOCAL^TRAN.YY	Year (minus the century the transaction occurred)
MSG^DATE^TIME^LOCAL^TRAN.MM	Month the transaction occurred
MSG^DATE^TIME^LOCAL^TRAN.DD	Day the transaction occurred
MSG^DATE^TIME^LOCAL^TRAN.HR	Hour the transaction occurred
MSG^DATE^TIME^LOCAL^TRAN.MN	Minute the transaction occurred
MSG^DATE^TIME^LOCAL^TRAN.SC	Second the transaction occurred

Default Value

Blank.

Possible Values

Value	Subfield
00 through 99	MSG^DATE^TIME^LOCAL^TRAN.YY
01 through 12	MSG^DATE^TIME^LOCAL^TRAN.MM
01 through 31	MSG^DATE^TIME^LOCAL^TRAN.DD

Value	Subfield
00 through 23	MSG^DATE^TIME^LOCAL^TRAN.HR
00 through 59	MSG^DATE^TIME^LOCAL^TRAN.MN
00 through 59	MSG^DATE^TIME^LOCAL^TRAN.SC

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Terminal Handler (TH).

RETRIEVAL^REF^NBR

Logscan Name
ret^ref

Description

The Retrieval Reference Number is the reference identification number assigned by the system to retain the original source information for the transaction. This number is used to find a copy or the original source information.

Default Value

Blank.

Possible Values

Any combination of alphabetic and numeric characters. This value is left-justified and space-filled.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

SYSTEM^TRACE^AUDIT^NBR

Logscan Name
sys^trace

Description

The System Trace Audit Number is assigned by the transaction originator to provide a unique description of the transaction.

Default Value

Blank.

Possible Values

Values 000000 through 999999.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

MSG^SYSTEM^TRACE^AUDIT^NBR

Logscan Name	Redefine of
sys^trace	SYSTEM^TRACE^AUDIT^NBR

Description

The Message System Trace Audit Number is a redefine of the SYSTEM^TRACE^AUDIT^NBR field. This number is assigned by the transaction originator to provide a unique description of the transaction.

Default Value

Blank.

Possible Values

Values 000000 through 999999.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^TERM^ID

Logscan Name
crd^acpt^term

Description

The Card Acceptor Terminal Identification is a unique code used to indicate the terminal used for the transaction at the card acceptor location.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^ID

Logscan Name
crd^acpt^id

Description

The Card Acceptor Identification Code indicates the card acceptor and is set by a field in the CEDLOPT file.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^INFO^IND

Logscan Name
crd^acpt^info^ind

Description

The Card Acceptor Name and Location Information Indicator is a one-bit field used to indicate if a particular condition was met. The bit is set to yes if the described condition is met.

This field indicates if the Card Acceptor Name and Location is fixed or variable length and if the Card Acceptor Name and Location Information fields are present. Logscan displays these bits in a sequence of binary 0/1 values. Each of the following bits has a define that qualifies the field.

- CARD^ACPT^NAME^LOC^FIXED^LEN= CARD^ACPT^INFO^IND.<8>
- CARD^ACPT^NAME^PRESENT= CARD^ACPT^INFO^IND.<9>
- CARD^ACPT^ADDRESS^PRESENT= CARD^ACPT^INFO^IND.<10>
- CARD^ACPT^CITY^PRESENT= CARD^ACPT^INFO^IND.<11>
- CARD^ACPT^REGION^PRESENT= CARD^ACPT^INFO^IND.<12>
- CARD^ACPT^COUNTRY^PRESENT= CARD^ACPT^INFO^IND.<13>
- CARD^ACPT^POSTAL^CODE^PRESENT= CARD^ACPT^INFO^IND.<14>
- CARD^ACPT^COUNTY^PRESENT= CARD^ACPT^INFO^IND.<15>

Default Value

Blank.

Possible Values

Value	Description
Bit 8 off	Card Acceptor Name and Location field is variable length
Bit 8 on	Card Acceptor Name and Location field is fixed length
Bit 9 off	Card Acceptor Name is not present
Bit 9 on	Card Acceptor Name is present
Bit 10 off	Card Acceptor Address is not present
Bit 10 on	Card Acceptor Address is present
Bit 11 off	Card Acceptor City is not present
Bit 11 on	Card Acceptor City is present

Value	Description
Bit 12 off	Card Acceptor Region is not present
Bit 12 on	Card Acceptor Region is present
Bit 13 off	Card Acceptor Country Code is not present
Bit 13 on	Card Acceptor Country Code is present
Bit 14 off	Card Acceptor Postal Code is not present
Bit 14 on	Card Acceptor Postal Code is present
Bit 15 off	Card Acceptor County Code is not present
Bit 15 on	Card Acceptor County Code is present

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^NAME^LOC

Logscan Name
crd^acpt^name^loc

Description

The Card Acceptor Name and Location Information indicates the name and location of the card acceptor determined by the cardholder. This field is a variable format or a redefine of CARD^ACPT^FIXED^LEN with a fixed format for name, address and city.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

NOTE:

If the Card Acceptor Name and Location Information Indicator field specified that the Card Acceptor Name and Location field is variable in length with the name, address and city followed by a back-slash. The total length including any back-slash characters is 83 spaces.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^FIXED^LEN

Logscan Name	Redefine of
crd^acpt^name^loc	card^acpt^name^loc

Description

The Card Acceptor Name and Location Information Fixed Length is a redefine of the Card Acceptor Name and Location Information field. This field indicates the name and location of the card acceptor identified by the cardholder with fixed length subfields. This field includes the following three subfields set by fields in the CEDTERM for THs, and what is received in the external message or CEDINTR file or PIs, and the intermediate filler in the order listed here:

Subfield	Bytes	Filler
CARD^ACPT^FIXED^LEN.NAME	25 bytes	Filler 1 byte
CARD^ACPT^FIXED^LEN.ADDR	28 bytes	Filler 1 byte
CARD^ACPT^FIXED^LEN.CITY	27 bytes	Filler 1 byte

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^REGION

Logscan Name
crd^acpt^reg

Description

The Card Acceptor Region provides additional information for the Card Acceptor Location. This two or three-character, state-specific abbreviation used in the U.S. is set by a field in the CEDTERM for THs, and what is received in the external message or CEDINTR file for PIs.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^COUNTRY

Logscan Name
crd^acpt^cntry

Description

The Card Acceptor Country Code provides additional information for the Card Acceptor Location and is set by a field in the CEDTERM for THs, and what is received in the external message or CEDINTR file for PIs.

Default Value

Blank.

Possible Values

The ISO 3166 provides a complete list of three-character Country Codes. These codes are controlled by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^POSTAL^CODE

Logscan Name
crd^acpt^pc

Description

The Card Acceptor Postal Code provides additional information for the Card Acceptor Location. It is set by a field in the CEDTERM for THs, and what is received in the external message or CEDINTR file for PIs.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters. This is the five or nine-digit zip code in the United States. For example, if the field is 10 characters in length, the nine-digit zip code displays as 55555-444.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^ACPT^COUNTY

Logscan Name
crd^acpt^cnty

Description

The Card Acceptor County Code provides additional information for the Card Acceptor Location and is set by a field in the CEDTERM for THs and what is received in the external message or CEDINTR file for PIs.

Default Value

Blank.

Possible Values

Any country code validated by the ISO 8583 Codes Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

CARD^ACPT^BUSINESS

Logscan Name
crd^acpt^bus

Description

The Card Acceptor Business Code indicates the type of business performed by the card acceptor for this transaction.

Default Value

Blank.

Possible Values

These Card Acceptor Business Codes are controlled by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

MERCH^TYPE

Logscan Name
merch^type

Description

The Merchant Type indicates the type of business product or service performed by the merchant.

Default Value

Blank.

Possible Values

The merchant codes developed by each country.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CLERK^ID

Logscan Name
clerk^id

Description

The Clerk Identification indicates that a specific employee for the card acceptor logged on to the POS terminal to initiate the transaction. The Clerk ID is only present if the employee is required to log on to the POS device before starting the transaction. This initial login normally uses a special card created for the clerk.

Default Value

Blank.

Possible Values

Any combination of numeric characters that is space-filled. For an extended PAN, a field separator is used to distinguish the major industry identifier of 59 and the issuer identifier from the individual account identifier.

Initially Set By

Terminal Handler (TH).

Modified By

Not modified.

Used By

Totals. Totals are accumulated, inquired about, and reset by Network Terminal ID or Clerk ID.

NETWORK^TERM^ID

Logscan Name
net^term^id

Description

The Network Terminal Identification uniquely identifies the intercept terminal or physical terminal that acquired the transaction.

Default Value

Blank.

Possible Values

Any terminal or intercept terminal defined in the CEDTERM or CEDINTR files of the Connex™ Environmental Data Base.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

COUNTRY^ACQR^INST

Logscan Name
acqr^cntry

Description

The Acquirer Institution Country Code indicates the country location for the acquiring institution.

Default Value

Blank.

Possible Values

Any country code validated by the ISO 8583 Codes Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

INST^ID^ACQR

Logscan Name
acq^inst^id

Description

The Acquirer Institution Identification Code indicates the original acquirer for the transaction.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Codes Maintenance Agency. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

MSG^INST^ID^ACQR

Logscan Name	Redefine of
acq^inst^id	INST^ID^ACQR

Description

The Message Acquirer Institution Identification Code is a redefine of the INST^ID^ACQR field that indicates the original transaction acquirer.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Codes Maintenance Agency. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

NETWORK^ID^ACQR

Logscan Name
acq^net^id

Description

The Acquirer Network ID identifies the EFT network that acquired the transaction.

Default Value

Blank.

Possible Values

Any combination of alphabetic and numeric characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

PROCESS^ID^ACQR

Logscan Name
acq^prcs^id

Description

The Acquirer Process Identification includes the name of the Connex™ on HP NonStop process that acquired the transaction.

- If the transaction is acquired from an intercept processor, the process name is the Acquirer Processor Interface.
- If the transaction is acquired from a physical terminal, the process name is the Terminal Handler controlling the terminal.

Default Value

Blank.

Possible Values

Any Processor Interface or Terminal Handler process defined in the CNFG040 or CNFG050 CED files.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

DATE^RECON^ACQR

Logscan Name
acq^recon^date

Description

The Acquirer Reconciliation Date defines the year, month, and day that financial totals are reconciled between the acquirer and the Connex™ on HP NonStop system. Logscan displays this date as a single field that includes the following subfields in the order listed here:

Subfield	Description
DATE^RECON^ACQR.YY	Year (minus the century the transaction occurred)
DATE^RECON^ACQR.MM	Month the transaction occurred
DATE^RECON^ACQR.DD	Day the transaction occurred

Default Value

Blank.

Possible Values

Subfield	Value
DATE^RECON^ACQRYY	00 through 99
DATE^RECON^ACQR.MM	01 through 12
DATE^RECON^ACQR.DD	01 through 31

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

RECON^IND^ACQR

Logscan Name
acq^recon^ind

Description

The Acquirer Reconciliation Indicator indicates the reconciliation time periods in the Acquirer's Reconciliation Date.

Default Value

Blank.

Possible Values

Values 000 through 999.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

RPT^INST^ACQR

Logscan Name
acq^rpt^inst

Description

The Acquirer Reporting Institution Identification Code identifies the institution responsible for the acquiring point. The acquiring point can be a physical device managed by a Terminal Handler, a pseudo entity known as an intercept terminal managed by a Processor Interface, or a voice authorization access point managed by the Voice Authorization Entry Pathway application.

The relationship between the acquiring point and the institution is set by the CEDTERM file in the Connex™ Environmental Data Base.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Codes Maintenance Agency. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

PROC^ID^ACQR

Logscan Name
acq^proc^id

Description

The Acquirer Processor Identification Code identifies the association responsible for the institution identified in the Acquirer Reporting Institution Identification Code. This relationship between the acquiring institution and the acquiring processor is set by the CEDPOPT or CEDINST file in the Connex™ Environmental Data Base.

Default Value

Blank.

Possible Values

Any combination of alphabetic and numeric characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

RPT^INST^ACQR^BRANCH

Logscan Name
acq^rpt^branch

Description

The Acquirer Reporting Institution Identification Code Branch indicates the specific branch of the institution identified by the Acquirer Institution Identification Code. This is set by the CEDTERM file.

Default Value

Blank.

Possible Values

Any numerical value in the range of 0 to 9999.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

PAN

Logscan Name
pan

Description

The Primary Account Number (PAN) is a series of digits used to identify a customer account or relationship. This field is also used for an extended PAN.

Default Value

Blank.

Possible Values

Any combination of numeric characters that are space filled. For an extended PAN, a field separator is used to distinguish the major industry identifier of 59 and the issuer identifier from the individual account identifier.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

CARD^SEQ^NBR

Logscan Name
crd^seq^nbr

Description

The Card Sequence Number indicates the difference between separate cards with the same primary account number or extended primary account number.

Default Value

Blank.

Possible Values

Values 0 through 99999. These values can be right-justified, zero-filled, left-justified, or blank-filled.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Primary Message Control (PMC).

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

COUNTRY^PAN

Logscan Name
cntry^pan

Description

The Primary Account Number Country Code identifies the country location for the card issuing institution.

Default Value

Blank.

Possible Values

These Country Codes are controlled by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CONV^CARD^BILL

Logscan Name
conv^crd^bill

Description

The Cardholder Billing Conversion Rate is displayed as a single field by Logscan and indicates the conversion rate used for cardholder billing. The following two subfields are included in the order listed here:

Subfield	Description
CONV^CARD^BILL.DEC^POS	Decimal Positions. The first subfield of the Cardholder Billing Conversion Rate field. This value defines the number of positions the decimal separator is moved from the right most digit of the Rate subfield field of the Cardholder Billing Conversion Rate to the left. Example: A Cardholder Billing Conversion Rate of 91234567 is the decimal value 0.001234567.
CONV^CARD^BILL.RATE	Rate. The second subfield of the Cardholder Billing Conversion Rate field. This value defines the factor used in the conversion of the Transaction Amount to Cardholder Billing Amount. The Transaction Amount is multiplied by the Cardholder Billing Conversion Rate to determine the Cardholder Billing Amount. Example: A Cardholder Billing Conversion Rate of 91234567 is the decimal value 0.001234567. The Cardholder Billing Amount for a Transaction Amount of 20000 is 24 if you round down or 25 if you round up.

Default Value

Subfield	Value
CONV^CARD^BILL.DEC^POS	0
CONV^CARD^BILL.RATE	0000001

Possible Values

Subfield	Value
CONV^CARD^BILL.DEC^POS	0 through 9
CONV^CARD^BILL.RATE	0000001 through 9999999

Initially Set By

Primary Message Control (PMC).

Modified By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Used By

Not modified.

INST^ID^ISSR

Logscan Name
iss^inst^id

Description

The Issuer Institution Identification Code indicates the card issuer. This code is set by a field in the CEDDSTR, CEDDIRR, CEDDEFR, or CEDCBAS file.

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI).

Used By

Not used.

RECON^IND^ISSR

Logscan Name
iss^recon^ind

Description

The Issuer Reconciliation Indicator reconciles the time periods in the Issuer's Reconciliation Date.

Default Value

Blank.

Possible Values

Values 000 through 999.

Initially Set By

Not set.

Modified By

Issuer Processor Interface (PI).

Used By

Not used.

DATE^RECON^ISSR

Logscan Name
iss^recon^date

Description

The Issuer Reconciliation Date indicates the year, month, and day that financial totals are reconciled between the issuer and the Connex™ on HP NonStop system. Logscan displays these single fields including the following subfields in the order listed here:

Subfield	Description
DATE^RECON^ISSR.YY	Year (minus the century the transaction occurred)
DATE^RECON^ISSR.MM	Month the transaction occurred
DATE^RECON^ISSR.DD	Day the transaction occurred

Default Value

Blank.

Possible Values

Subfield	Value
DATE^RECON^ISSR.YY	00 through 99
DATE^RECON^ISSR.MM	01 through 12
DATE^RECON^ISSR.DD	01 through 31

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Not used.

PRIM^ROUTE

Logscan Name
No Logscan Name

Description

The Primary Route field includes subfields that indicate the primary routing for a transaction. Logscan displays these subfields individually in the order listed here:

Subfield	Value
PRIM^ROUTE.PROC^ID	Issuer Processor Identification Code
PRIM^ROUTE.RPT^INST^ID^ISSR	Issuer Reporting Institution Identification Code
PRIM^ROUTE.NETWORK^ID^ISSR	Issuer Network Identification Code
PRIM^ROUTE.MSG^REASON^CODE^ISSR	Issuer Message Reason Code
PRIM^ROUTE.PROCESS^ID	Issuer Process Identification
PRIM^ROUTE.SPONSOR^BANK^ID	Sponsor Bank Identification Code
PRIM^ROUTE.ROUTE^TO^AP	Route to Authorization Processor
PRIM^ROUTE.INST^ID^MAP^OPT^RQST	Request Institution Code Mapping Option
PRIM^ROUTE.INST^ID^MAP^OPT^RESP	Response Institution Identification Code Mapping Option

Default Value

Blank.

Possible Values

For additional information, refer to descriptions and the values for the specific subfields.

Initially Set By

Primary Message Control (PMC).

Modified By

Refer to the individual subfield for specific information.

Used By

Refer to the individual subfield for specific information.

PRIM^ROUTE.PROC^ID

Logscan Name	Subfield of
p^proc^id	PRIM^ROUTE

Description

The Issuer Processor Identification Code is the first subfield of the Primary Route field. This subfield indicates the association responsible for routing to the institution identified in the corresponding Issuer Reporting Institution Identification Code field. The relationship between the issuing institution and the issuing processor is set by a field in the CEDROUT file in the Connex™ Environmental Data Base.

Default Value

Blank.

Possible Values

Any combination of alphabetic and numeric characters.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used.

PRIM^ROUTE.RPT^INST^ID^ISSR

Logscan Name	Subfield of
p^iss^rpt^id	PRIM^ROUTE

Description

The Issuer Reporting Institution Identification Code is the second subfield of the Primary Route field. This subfield indicates the institution responsible for the card issuer or the primary route to the card issuer. The routing method is determined by a field in the CEDROUT file in the Connex™ Environmental Data Base.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Codes Maintenance Agency. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used.

PRIM^ROUTE.NETWORK^ID^ISSR

Logscan Name	Subfield of
p^iss^net^id	PRIM^ROUTE

Description

The Issuer Network Identification Code is the third subfield of the Primary Route field. This subfield indicates the EFT network that authorized the transaction if the primary route was available. For stand-in processing, the EFT network that the transaction was sent to for authorization is identified. This subfield is set by a field in the CEDROUT file.

Default Value

Blank.

Possible Values

Any combination of alphabetic and numeric characters.

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI).

Used By

Not used.

PRIM^ROUTE.MSG^REASON^CODE^ISSR

Logscan Name	Subfield of
p^rcode^iss	PRIM^ROUTE

Description

The Issuer Message Reason Code is the fourth subfield of the Primary Route field. This subfield indicates the reason the Connex™ on HP NonStop system performed stand-in for the primary issuer host or routed the transaction to the alternate issuer host.

Default Value

Blank.

Possible Values

The Message Reason codes are controlled by the ISO 8583 Codes Maintenance Agency.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Not used.

PRIM^ROUTE.PROCESS^ID

Logscan Name	Subfield of
p^prcs^id	PRIM^ROUTE

Description

The Issuer Process Identification is the fifth subfield of the Primary Route field. This subfield indicates the name of the Connex™ on HP NonStop Processor Interface process responsible for the primary link to the issuer host. This subfield is set by field in the CEDROUT file.

Default Value

Blank.

Possible Values

Any Processor Interface process defined in the CNFG040 file in the Connex™ Environmental Data Base that supports issuer traffic. This field is left blank for stand-alone Authorization Processor transactions.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Terminal Handler (TH)

PRIM^ROUTE.SPONSOR^BANK^ID

Logscan Name	Subfield of
p^spon^bnk	PRIM^ROUTE

Description

The Sponsor Bank Identification Code is the sixth subfield of the Primary Route field. This subfield indicates the institution that sponsored the card acceptor for the card issuer program. This subfield is set by a field in the CEDLOPT file.

Default Value

Blank.

Possible Values

The ID is controlled by the card issuer program registration authority.

Initially Set By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)

Modified By

Issuer Processor Interface (PI).

Used By

Not used.

PRIM^ROUTE.ROUTE^TO^AP

Logscan Name	Subfield of
p^rte^ap	PRIM^ROUTE

Description

The Route to Authorization Processor is the seventh subfield of the Primary Route field. This subfield indicates if the transaction acquirer sent the transaction to the Authorization Processor process or the Issuer Process ID. This subfield is set in the CEDROUT file.

Default Value

Zero.

Possible Values

Value	Description
0	Pass transaction directly to the issuer processor interface process.
1	Pass transaction to the Authorization Processor process. The transaction is then passed to the issuer processor interface process for final approval by the issuer host for cooperative AP.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

PRIM^ROUTE.INST^ID^MAP^OPT^RQST

Logscan Name	Subfield of
p^map^req	PRIM^ROUTE

Description

The Request Institution Code Mapping Option is the eighth subfield of the Primary Route field. This subfield indicates the value for outbound external requests, advice or notification messages that identify the acquiring institution ID determined for primary routing. The external message is created by the Processor Interface that is defined by the corresponding Issuer Process Identification field. This subfield is set by a field in the CEDPOPT file.

Default Value

Zero.

Possible Values

Value	Description
0	Pass acquirer institution identification code to issuer host.
1	Map acquirer network ID to acquirer institution identification code before sending to issuer host.
2	Map acquirer Institution ID to acquirer institution identification code before sending to issuer host.
3	Map the network ID to the institution ID. If that fails, map the institution ID to a different institution ID for the same institution
4	Map the institution ID to a different institution ID for the same institution. If that fails, map the network ID to the institution ID.
5	Map the combination of the network ID and the institution ID to a different institution ID for the same institution.
6	Map the combination of the network ID and the institution ID to a different institution ID for the same institution. If that fails, map the institution ID to a different institution ID for the same institution.
7	Map the combination of the network ID and the institution ID to a different institution ID for the same institution. If that fails, map the network ID to the institution ID.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

PRIM^ROUTE.INST^ID^MAP^OPT^RESP

Logscan Name	Subfield of
p^map^resp	PRIM^ROUTE

Description

The Response Institution Identification Code Mapping Option is the ninth subfield of the Primary Route field. This subfield indicates the value for the outbound external response message that identifies the issuing Institution ID if the transaction is authorized using the primary route.

This subfield is set by a field in the CEDPOPT file and is only available for transactions acquired by a processor interface. The external message is created by the processor interface identified in the Acquirer Process Identification field. The valid values for this subfield are the same as those for the PRIM^ROUTE.INST^ID^MAP^OPT^RQST field.

Default Value

Zero.

Possible Values

Value	Description
0	Pass issuer institution identification code as is to acquirer host.
1	Map issuer network ID to issuer institution identification code before sending to acquirer host.
2	Map issuer institution ID to issuer institution identification code before sending to acquirer host
3	Map the network ID to the institution ID. If that fails, map the institution ID to a different institution ID for the same institution
4	Map the institution ID to a different institution ID for the same institution. If that fails, map the network ID to the institution ID

Value	Description
5	Map the combination of the network ID and the institution ID to a different institution ID for the same institution
6	Map the combination of the network ID and the institution ID to a different institution ID for the same institution. If that fails, map the institution ID to a different institution ID for the same institution.
7	Map the combination of the network ID and the institution ID to a different institution ID for the same institution. If that fails, map the network ID to the institution ID.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

ALT^ROUTE

Logscan Name
No Logscan Name

Description

The Alternate Route field includes a number of subfields that identify any alternate routing of a transaction. This field has the same structure and valid values as the PRIM^ROUTE field. Logscan displays the following subfields individually in the order listed here:

Subfield	Description
ALT^ROUTE.PROC^ID	Issuer Processor Identification Code
ALT^ROUTE.RPT^INST^ID^ISSR	Issuer Reporting Institution Identification Code
ALT^ROUTE.NETWORK^ID^ISSR	Issuer Network Identification Code
ALT^ROUTE.MSG^REASON^CODE^ISSR	Issuer Message Reason Code
ALT^ROUTE.PROCESS^ID	Issuer Process Identification

Subfield	Description
ALT^ROUTE.SPONSOR^BANK^ID	Sponsor Bank Identification Code
ALT^ROUTE.ROUTE^TO^AP	Route to Authorization Processor
ALT^ROUTE.INST^ID^MAP^OPT^RQST	Request Institution Code Mapping Option
ALT^ROUTE.INST^ID^MAP^OPT^RESP	Response Institution Identification Code Mapping Option

Default Value

Blank.

Possible Values

For additional information, refer to descriptions and the values for the individual subfields.

Initially Set By

Primary Message Control (PMC).

Modified By

Refer to the individual subfield for specific information.

Used By

Refer to the individual subfield for specific information.

ALT^ROUTE.PROC^ID

Logscan Name	Subfield of
a^proc^id	ALT^ROUTE

Description

The Issuer Processor Identification Code is the first subfield of the Alternate Route field. This subfield indicates the association responsible for the alternate route to the institution identified by the corresponding Issuer Reporting Institution Identification Code field. The relationship between the issuing institution and the issuing processor is set in the CEDROUT file in the Connex™ Environmental Data Base.

Default Value

Blank.

Possible Values

Any combination of alphabetic and numeric characters.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Primary Issuer Processor Interface (PI)
- Terminal Handler (TH)

ALT^ROUTE.RPT^INST^ID^ISSR

Logscan Name	Subfield of
a^iss^rpt^id	ALT^ROUTE

Description

The Issuer Reporting Institution Identification Code is the second subfield of the Alternate Route field. This subfield indicates the alternate institution responsible for the card issuer or the route to the card issuer determined by the routing methods in the Connex™ Environmental Data Base. This subfield is set by a field in the CEDROUT file.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Codes Maintenance Agency. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used.

ALT^ROUTE.NETWORK^ID^ISSR

Logscan Name	Subfield of
a^iss^net^id	ALT^ROUTE

Description

The Issuer Network Identification Code is the third subfield of the Alternate Route field. If the primary route was unavailable, this subfield indicates the EFT network that authorized the transaction or the alternate EFT network that the transaction was sent to for authorization. This subfield is set by a field in the CEDROUT file.

Default Value

Blank.

Possible Values

Any combination of alphabetic and numeric characters.

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI).

Used By

Not used.

ALT^ROUTE.MSG^REASON^CODE^ISSR

Logscan Name	Subfield of
a^rcode^iss	ALT^ROUTE

Description

The Issuer Message Reason Code is the fourth subfield of the Alternate Route field. This subfield indicates the reason that the Connex™ on HP NonStop system routed the transaction back to the primary issuer processor interface for stand-in processing.

Default Value

Blank.

Possible Values

These Message Reason codes are controlled by the ISO 8583 Codes Maintenance Agency.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Not used.

ALT^ROUTE.PROCESS^ID

Logscan Name	Subfield of
a^prcs^id	ALT^ROUTE

Description

The Issuer Process Identification is the fifth subfield of the Alternate Route field. This subfield indicates the name of the Connex™ on HP NonStop Processor Interface process responsible for the alternate link to the issuer host. This subfield is set by a field in the CEDROUT file.

Default Value

Blank.

Possible Values

Any Processor Interface process defined in the CNFG040 file in the Connex™ Environmental Data Base that supports issuer traffic. This subfield is left blank for stand-alone Authorization Processor transactions if no alternate route is configured.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Primary Issuer Processor Interface (PI)
- Terminal Handler (TH)

ALT^ROUTE.SPONSOR^BANK^ID

Logscan Name	Subfield of
a^spon^bnk	ALT^ROUTE

Description

The Sponsor Bank Identification Code is the sixth subfield of the Alternate Route field. This subfield indicates the institution that sponsored the card acceptor for the card issuer program. This subfield is set by a field in the CEDLOPT file.

Default Value

Blank.

Possible Values

The IDs are controlled by the card issuer program registration authority.

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI).

Used By

Not used.

ALT^ROUTE.ROUTE^TO^AP

Logscan Name	Subfield of
a^rte^ap	ALT^ROUTE

Description

The Route to Authorization Processor is the seventh subfield of the Alternate Route field. This subfield indicates if the primary Processor Interface should send the transaction to the Authorization Processor process as an alternate route rather than perform stand-in for the transaction.

- If the authorization is performed by the alternate route, any reversal generated by the Terminal Handler must be sent to the Authorization Processor process rather than the Primary Processor Interface process.
- If the authorization is performed by the Acquirer Processor Interface process, only reversals generated while the PI has context in memory or retrieved from the Pending process are sent to the Authorization processor process.

The Route to Authorization Processor and Issuer Process ID fields of the Primary Route indicate that transactions authorized by the alternate route have been lost. This subfield is set by a flag in the CEDROUT file.

Default Value

Blank.

Possible Values

Value	Description
0	Pass transaction directly to the issuer processor interface process.
1	Pass transaction to the Authorization Processor process. Then pass to the issuer processor interface process for final approval by the issuer host for cooperative AP.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Primary Issuer Processor Interface (PI)
- Terminal Handler (TH)

ALT^ROUTE.INST^ID^MAP^OPT^RQST

Logscan Name	Subfield of
a^map^req	ALT^ROUTE

Description

The Request Institution Identification Code Mapping Option is the eighth subfield of the Alternate Route field. This subfield indicates the value for the outbound external request, advice, or notification message and the alternate route Acquiring Institution ID. The external message is created by the Processor Interface identified in the corresponding Issuer Process Identification field. This subfield is set by a field in the CEDPOPT file.

Default Value

Blank.

Possible Values

Value	Description
0	Pass acquirer institution identification code to issuer host.
1	Map acquirer network ID to acquirer institution identification code before sending to issuer host.
2	Map acquirer institution ID to acquirer institution identification code before sending to issuer host.
3	Map the network ID to the institution ID. If that fails, map the institution ID to a different institution ID for the same institution.
4	Map the institution ID to a different institution ID for the same institution. If that fails map, the network ID to the institution ID.

Value	Description
5	Map the combination of the network ID and the institution ID to a different institution ID for the same institution.
6	Map the combination of the network ID and the institution ID to a different institution ID for the same institution. If that fails, map the institution ID to a different institution ID for the same institution.
7	Map the combination of the network ID and the institution ID to a different institution ID for the same institution. If that fails, map the network ID to the institution ID.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

ALT^ROUTE.INST^ID^MAP^OPT^RESP

Logscan Name	Subfield of
a^map^resp	ALT^ROUTE

Description

The Response Institution Identification Code Mapping Option is the ninth subfield of the Alternate Route field. This subfield controls the value for the outbound external response message and identifies the Issuing Institution ID if the transaction is authorized for an alternate route.

This option is only available for transactions acquired through a Processor Interface. The external message is created by the Processor Interface identified by the Acquirer Process Identification field. This subfield is set by a field in the CEDPOPT file.

Default Value

Blank.

Possible Values

Value	Description
0	Pass issuer institution identification code to acquirer host.
1	Map issuer network ID to issuer institution identification code before sending to acquirer host.
2	Map issuer institution ID to issuer institution identification code before sending to acquirer host.
3	Map the network ID to the institution ID. If that fails, map the institution ID to a different institution ID for the same institution.
4	Map the institution ID to a different institution ID for the same institution. If that fails, map the network ID to the institution ID.
5	Map the combination of the network ID and the institution ID to a different institution ID for the same institution.
6	Map the combination of the network ID and the institution ID to a different institution ID for the same institution. If that fails, map the institution ID to a different institution ID for the same institution.
7	Map the combination of the network ID and the institution ID to a different institution ID for the same institution. If that fails, map the network ID to the institution ID.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

ACCT^TYPE^1

Logscan Name
acct^typ^1

Description

The Account Type 1 indicates the type of account in the Account ID 1 field if account selection occurs as AP processes a transaction. AP normally determines the account selection. For an open account relationship (OAR) response, the selection is made by the cardholder.

Default Value

Blank.

Possible Values

Value	Description
CRD	Credit facility
DDA	Cheque account
FND	Default unspecified account
OTH	Other account
SAV	Savings account

Initially Set By

- Authorization Processor (AP)
- Terminal Handler (TH) cardholder selects the account (OAR)

Modified By

Not modified.

Used By

- During transaction authorization processing, AP uses this field to determine the file that includes the account information selected by the cardholder if the completed transaction request is received after an OAR request.
- During reversal processing, AP uses this field to determine the file that includes account information originally affected by the authorization.

ACCT^ID^1

Logscan Name
acct^id^1

Description

The Account Identification 1 is a series of digits and/or characters that identify a customer account or relationship. For example, the From account.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, or special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP) - If cardholder selects the account during the authorization process.
- Issuer Processor Interface (PI)
- Terminal Handler (TH) - If the cardholder selects the account from a list of OAR accounts returned by AP.

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
 - During transaction authorization processing, AP uses this field to determine the file that includes the account information selected by the cardholder if the completed transaction request is received after an OAR request.
 - During reversal processing, AP uses this field to determine the file that includes account information originally affected by the authorization.
- Issuer Processor Interface (PI)
- Terminal Handler (TH) - Printed on receipt and/or displayed on screen.

ACCT^TYPE^2

Logscan Name
acct^typ^2

Description

The Account Type 2 indicates the type of account in the Account ID 2 field if account selection occurs as AP processes a transaction. AP normally determines the account selection. For an open account relationship (OAR) response, the selection is made by the cardholder.

Default Value

Blank.

Possible Values

Value	Description
CRD	Credit facility
DDA	Check account
FND	Default unspecified account
OTH	Other account
SAV	Savings account

Initially Set By

- Authorization Processor (AP) - If the cardholder selects the account during the authorization process.
- Terminal Handler (TH) - If the cardholder selects the account from a list of OAR accounts returned by AP.

Modified By

Not modified.

Used By

- During transaction processing, AP uses this field to determine the file that includes the account information selected by the cardholder if the completed transaction request is received after an OAR request.

- During reversal processing, AP uses this field to determine the file that includes account information originally affected by the authorization.

ACCT^ID^2

Logscan Name
acct^id^2

Description

The Account Identification 2 is a series of digits and/or characters that identify a customer account or relationship. For example, the To account.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP) - If the cardholder selects the account during the authorization process.
- Issuer Processor Interface (PI)
- Terminal Handler (TH) - If the cardholder selects the account from a list of OAR accounts returned by AP.

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
 - During transaction authorization processing, AP uses this field to determine the file that includes the account information selected by the cardholder if the completed transaction request is received after an OAR request.
 - During reversal processing, AP uses this field to determine the file that includes account information originally affected by the authorization.
- Issuer Processor Interface (PI)
- Terminal Handler (TH) - Printed on receipt and/or displayed on screen

ACCT^TYPE^3

Logscan Name
acct^typ^3

Description

The Account Type 3 indicates the type of account in the Account ID 3 field if account selection occurs as AP processes a transaction. AP normally determines the account selection. For an open account relationship (OAR) response, the selection is made by the cardholder.

Default Value

Blank.

Possible Values

Value	Description
CRD	Credit facility
DDA	Check account
FND	Default unspecified account
OTH	Other account
SAV	Savings account

Initially Set By

- Authorization Processor (AP) - If the cardholder selects the account during the authorization process.
- Terminal Handler (TH) - If the cardholder selects the account from a list of OAR accounts returned by AP.

Modified By

Not modified.

Used By

- During transaction processing, AP uses this field to determine the file that includes the account information selected by the cardholder if the completed transaction request is received after an OAR request.

- During reversal processing, AP uses this field to determine the file that includes account information originally affected by the authorization.

ACCT^ID^3

Logscan Name
acct^id^3

Description

The Account Identification 3 is a series of digits and/or characters that identify a third customer account or relationship for the transaction. This account does not belong to the cardholder. For example, a parent fleet card account.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP) - If the cardholder selects the account during the authorization process.
- Issuer Processor Interface (PI)
- Terminal Handler (TH) - If the cardholder selects the account from a list of OAR accounts returned by AP.

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
 - During transaction authorization processing, AP uses this field to determine the file that includes the account information selected by the cardholder if the completed transaction request is received after an OAR request.
 - During reversal processing, AP uses this field to determine the file that includes account information originally affected by the authorization.
- Issuer Processor Interface (PI)

- Terminal Handler (TH) - Printed on receipt and/or displayed on screen

ALT^CUST^ID

Logscan Name
alt^cust^id

Description

The Alternate Customer Identification is a series of digits and/or characters that identify cardholders that do not have their card.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

Terminal Handler (TH) - Determines alternate customer identification received from the card acceptor terminal.

Modified By

Not modified.

Used By

Authorization Processor determines the customer's PAN.

AUTH^BY

Logscan Name
auth^by

Description

The Authorized By indicates the type of association that approved or denied the transaction. If the decision was made by the Connex™ on HP NonStop network, the field also indicates if the approval or denial was made using stand-in processing on behalf of the issuer.

Default Value

Blank.

Possible Values

Value	Description
A	Acquirer
I	Issuer
N	Connex™ on HP NonStop network process
S	Connex™ on HP NonStop network process stand-in for the issuer

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

REV^BY

Logscan Name
rev^by

Description

The Reversed By indicates the type of association that generated the reversal.

Default Value

Blank.

Possible Values

Value	Description
A	Acquirer
N	Connex™ on HP NonStop network process

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

COUNTRY^AUTH^AGENT^INST

Logscan Name
cntry^agent

Description

The Authorizing Agent Institution Country Code indicates the three-digit code specified in ISO 3166 for the authorizing agent's country. The authorizing agent is named by the card issuer to act on their behalf.

Default Value

Blank.

Possible Values

The list of Country Codes is defined by ISO standard 3166.

Initially Set By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

Not used.

INST^ID^AUTH^AGENT

Logscan Name
inst^agent

Description

The Authorizing Agent Institution Identification Code indicates the institution named by the card issuer to act on their behalf. If the request was authorized by the card issuer, this field remains blank.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Codes Maintenance Agency. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Value	Description
0	Acquirer. The acquiring financial institution or its agent

Initially Set By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

Not used.

APPROVAL^CODE

Logscan Name
app^code

Description

The Approval Code is assigned by the authorizing institution to indicate that the request was approved.

Default Value

Blank.

Possible Values

Any combination of alphabetic and numeric characters that is left-justified and space-filled.

Initially Set By

Authorization Processor (AP).

Modified By

Issuer Processor Interface (PI).

Used By

Not used.

CNX^NETWORK^ID

Logscan Name
cnx^net^id

Description

The Connex™ on HP NonStop Network Identification indicates the identifier defined by the installation for the Connex™ on HP NonStop network.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

DATE^RECON^NETWORK

Logscan Name
net^recon^date

Description

The Network Reconciliation Date indicates the year, month, and day that financial totals are reconciled for the Connex™ on HP NonStop system. This date includes the following subfields in the order listed here:

Subfield	Description
DATE^RECON^NETWORK.YY	Year (minus the century the transaction occurred)
DATE^RECON^NETWORK.MM	Month the transaction occurred
DATE^RECON^NETWORK.DD	Day the transaction occurred

Default Value

Blank.

Possible Values

Subfield	Values
DATE^RECON^NETWORK.YY	00 through 99
DATE^RECON^NETWORK.MM	01 through 12
DATE^RECON^NETWORK.DD	01 through 31

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used.

CUR^RECON^NETWORK

Logscan Name
cur^recon^net

Description

The Network Reconciliation Currency Code indicates the currency used by the network for internal reconciliation and possible funds movement.

Default Value

Blank.

Possible Values

These Currency Codes are controlled by the ISO 8583 Code Maintenance Agency.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used.

SPLIT^TRANS^INDICATOR

Logscan Name
split^trans^indicator

Description

This is a one-byte field (8 bits) that includes bits (or group of bits) that identify specific split transaction subfield processing values. For specific information for each of the subfields, such as descriptions and values, see [“SPLIT^TRANS^TYPE” on page 134](#) and [“SPLIT^FLOW^IND” on page 135](#).

Subfield Name	Subfield
split^trans^type	split^trans^indicator.<8:14>
split^trans^ind	split^trans^indicator.<15>

Default Value

Binary zeroes

Possible Values

Refer to the individual subfield for specific information.

Initially Set By

Refer to the individual subfield for specific information.

Modified By

Refer to the individual subfield for specific information.

Used By

Refer to the individual subfield for specific information.

SPLIT^TRANS^TYPE

Logscan Name
split^trans^type

Description

For split flow transactions, indicates the transaction type of the split flow transaction.

Default Value

Binary zeroes

Possible Values

0 - 127

Initially Set By

PMC

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)

SPLIT^FLOW^IND

Logscan Name
split^flow^ind

Description

For split flow transactions, this field indicates the position in the flow.

Default Value

Binary zeroes

Possible Values

Value	Description
0	Initial leg of transaction or not split flow transaction.
1	Second leg of split flow transaction.

Initially Set By

PMC

Modified By

Acquirer Processor Interface (PI)

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)

CONV^RECON^NETWORK

Logscan Name
conv^recon^net

Description

The Network Reconciliation Conversion Rate displays as a single field by Logscan and indicates the conversion rate used for Network Reconciliation. This rate includes the following two subfields in the order listed here.

Subfield	Description
CONV^RECON^NETWORK.DEC^POS	Decimal Positions. The first subfield of the Network Reconciliation Conversion Rate field. The number of positions the decimal separator is moved from the right-most digit of the Rate subfield field of the Network Reconciliation Conversion Rate to the left. Example: Network Reconciliation Conversion Rate of 91234567 has a decimal value 0.001234567.
CONV^RECON^NETWORK.RATE	Rate. The second subfield of the Network Reconciliation Conversion Rate field. The factor used to convert the Transaction Amount to the Network Reconciliation Amount. Multiple the Transaction Amount by the Network Reconciliation Conversion Rate to determine the Network Reconciliation Amount. Example: Network Reconciliation Conversion Rate of 91234567 has a decimal value 0.001234567. The Network Reconciliation Amount for a Transaction Amount of 20000 is 24 if rounding down or 25 if rounding up.

Default Value

Subfield	Default Value
CONV^RECON^NETWORK.DEC^POS	0
CONV^RECON^NETWORK.RATE	0000001

Possible Values

Subfield	Value
CONV^RECON^NETWORK.DEC^POS	0 through 9
CONV^RECON^NETWORK.RATE	0000001 through 9999999

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

DATE^EFFECT

Logscan Name
date^effect

Description

The Effect Date field indicates the year and month the card becomes effective. Although this field is not set, it is displayed by Logscan and includes the following subfields in the order listed here:

Subfield	Value
DATE^EFFECT.YY	Year (minus the century the transaction occurred)
DATE^EFFECT.MM	Month the transaction occurred

Default Value

Blank.

Possible Values

Subfield	Value
DATE^EFFECT.YY	00 through 99
DATE^EFFECT.MM	01 through 12

Initially Set By

Not set.

Modified By

Not modified.

Used By

Not used.

DATE^EXP

Logscan Name
date^exp

Description

The Expiration Date indicates the year and month that the card expires. This date includes the following subfields in the order listed here:

Subfield	Value
DATE^EFFECT.YY	Year (minus the century the transaction occurred)
DATE^EFFECT.MM	Month the transaction occurred

Default Value

Blank.

Possible Values

Subfield	Value
DATE^EFFECT.YY	00 through 99
DATE^EFFECT.MM	01 through 12

Initially Set By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

Not used.

TERM^CLASS

Logscan Name
term^class

Description

The Terminal Class indicates the category for the device that initiated the transaction.

Default Value

Blank.

Possible Values

Value	Description
00	Administrative terminal
01	Point of service terminal
02	Automated teller machine
03	Home banking terminal
04	Electronic cash register
05	Telephone
06	Traveler checks dispenser
07	Fuel dispenser
08	Scrip dispenser
09	Coupon dispenser
10	Ticket dispenser
11	Point-of-banking terminal
12	Teller terminal
13	Franchise teller terminal
14	Personal banking device
15	Public utility bill payment device

Value	Description
16	Vending machine
17	Self service machine
18	Authorization machine
19	Payment terminal
20	Voice Response Unit (VRU)
21	Smart Phone
22	Interactive Television
23	Personal Digital Assistant (PDA)
24	Screen Phone
25	Electronic Commerce
26	MICR Terminals at POS
90-99	Customer Unique

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA

Logscan Name
No Logscan Name

Description

The Point of Service Data Code includes subfields that identify the Point of Service Data for a transaction. Logscan displays these subfields individually in the order listed here:

Subfield	Description
POS^DATA.CARD^DATA^INPUT^CAP	Card Data Input Capability
POS^DATA.CARDHOLDER^AUTHENT^CAP	Cardholder Authentication Capability
POS^DATA.CARD^CAPT^CAP	Card Capture Capability
POS^DATA.OP^ENV	Operating Environment
POS^DATA.CARDHOLDER^PRES	Cardholder Present
POS^DATA.CARD^PRES	Card Present
POS^DATA.CARD^DATA^INPUT^MODE	Card Data Input Mode
POS^DATA.CARDHOLDER^AUTHENT^METHOD	Cardholder Authentication Method
POS^DATA.CARDHOLDER^AUTHENT	Cardholder Authentication Entity
POS^DATA.CARD^DATA^OUTPUT^CAP	Card Data Output Capability
POS^DATA.TERM^OUTPUT^CAP	Terminal Output Capability
POS^DATA.PIN^CAPT^CAP	PIN Capture Capability

Default Value

Blank.

Possible Values

For additional information, refer to descriptions and the values for the individual subfields.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Refer to the individual subfield for specific information.

Used By

Refer to the individual subfield for specific information.

POS^DATA.CARD^DATA^INPUT^CAP

Logscan Name	Subfield of
pos^data^crd^in^cap	POS^DATA

Description

The Card Data Input Capability is the first subfield of the Point of Service Data Code field. This subfield indicates the primary method used by the terminal to obtain card information.

Default Value

Blank.

Possible Values

Value	Description
0	Unknown
1	Manual entry, no terminal (draft capture)
2	Magnetic stripe read
3	Bar code or QR code
4	Optical character reader (OCR)
5	Integrated circuit card (ICC)
6	Key entered
9	Retrieved from file
A	Contactless read capability via Mag stripe rules
M	Contactless read capability via Chip rules
S	Mag stripe reader and key entry
T	Mag stripe reader and key entry and EMV-compatible ICC reader
U	Mag strip reader and key EMV-compatible ICC reader
V	Secure cardless entry capability

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.CARDHOLDER^AUTHENT^CAP

Logscan Name	Subfield of
pos^data^crdhld^auth^cap	POS^DATA

Description

The Cardholder Authentication Capability is the second subfield of the Point of Service Data Code field. This subfield indicates the primary method used to verify the cardholder at the terminal.

Default Value

Blank.

Possible Values

Value	Description
0	No electronic authentication
1	PIN
2	Electronic signature analysis
3	Biometrics
4	Biographical
5	Electronic authentication inoperative
6	Non-secure or security unknown
6	Secure Electronic Commerce transaction with cardholder certificate
8	Non-authenticated security transaction with SET merchant certificate
9	Non-authenticated security transaction without SET merchant certificate
"T"	Secure Electronic Transaction with cardholder certificate
"U"	Non-Authenticated Security Transaction with SET merchant certificate

Value	Description
"V"	Non-Authenticated Security Transaction without SET merchant certificate
"S"	Non-Secure/Security Unknown
"W"	Digital Signature Transaction

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.CARD^CAPT^CAP

Logscan Name	Subfield of
pos^data^crd^capt^cap	POS^DATA

Description

The Card Capture Capability is the third subfield of the Point of Service Data Code field. This subfield indicates if the terminal is able to capture a card.

Default Value

Blank.

Possible Values

Value	Description
0	Not able to capture card
1	Able to capture card
9	Card is foreign, terminal does not capture card

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.OP^ENV

Logscan Name	Subfield of
pos^data^op^env	POS^DATA

Description

The Operating Environment is the fourth subfield of the Point of Service Data Code field. This subfield indicates if the terminal is maintained by the card acceptor at the terminal's location.

Default Value

Blank.

Possible Values

Value	Description
0	No terminal used
1	On card acceptor premises, maintained
2	On card acceptor premises, not maintained
3	Not on card acceptor premises, maintained
4	Not on card acceptor premises, not maintained
5	On card acceptor premises, not maintained

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.CARDHOLDER^PRES

Logscan Name	Subfield of
pos^data^crdhld^pres	POS^DATA

Description

The Cardholder Present is the fifth subfield of the Point of Service Data Code field. This subfield indicates if the cardholder is present at the point of service and if not, the reason the cardholder is not present.

Default Value

Blank.

Possible Values

Value	Description
0	Cardholder present
1	Cardholder not present, unspecified reason
2	Cardholder not present, mail order
3	Cardholder not present, telephone order
4	Cardholder not present, standing authorization/recurring payment
9	Cardholder not present, deferred billing
A	Deferred Authorization
S	Cardholder not present, installment payment

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.CARD^PRES

Logscan Name	Subfield of
pos^data^crd^pres	POS^DATA

Description

The Card Present is the sixth subfield of the Point of Service Data Code field. This subfield indicates if the card is present at the time that the service is performed.

Default Value

Blank.

Possible Values

Value	Description
0	Not present
1	Present

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.CARD^DATA^INPUT^MODE

Logscan Name	Subfield of
pos^data^crd^in^mode	POS^DATA

Description

The Card Data Input Mode is the seventh subfield of the Point of Service Data Code field. This subfield indicates the method used by the terminal to obtain card information.

Default Value

Blank.

Possible Values

Value	Description
0	Unspecified
1	Manual entry, no terminal (draft capture)
2	Magnetic stripe read
3	Bar code or QR code
4	Optical character reader (OCR)
5	Integrated circuit card (ICC)
6	Key entered
9	Retrieved from file
A	Contactless read capability via Mag stripe rules
B	Chip card or chip-capable terminal was unable to process the transaction using the data on the chip or magnetic stripe, the PAN was entered manually.
C	Chip card or chip-capable terminal was unable to process the transaction using the data on the chip, the PAN was entered via magnetic stripe. The full track data was read from the data encoded on the card and transmitted within the authorization request on Track-2 Data.
M	Contactless read capability via Chip rules

Value	Description
R	PAN Entry via electronic commerce, including remote chip
V	Remote payments
W	Secure cardless entry

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.CARDHOLDER^AUTHENT^METH

Logscan Name	Subfield of
pos^data^crdhld^auth^meth	POS^DATA

Description

Cardholder Authentication Method is the eighth subfield of the Point of Service Data Code field. This subfield indicates the method used to verify the cardholder's identity.

Default Value

Blank.

Possible Values

Value	Description
0	No authentication
1	PIN
2	Electronic signature analysis
3	Biometrics

Value	Description
4	Biographical
5	Manual signature verification
6	Non-secure or security unknown
7	Secure Electronic Commerce transaction with cardholder certificate
8	Non-authenticated security transaction with SET merchant certificate
9	Non-authenticated security transaction without SET merchant certificate

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.CARDHOLDER^AUTHENT

Logscan Name	Subfield of
pos^data^crdhld^auth	POS^DATA

Description

The Cardholder Authentication Entity is the ninth subfield of the Point of Service Data Code field. This subfield indicates the method used to verify the cardholder identity.

Default Value

Blank.

Possible Values

Value	Description
0	Not authenticated
1	Integrated circuit card (ICC)
2	Terminal (CAD)
3	Authorizing agent identified by the Authorizing Agent Institution Identification Code field.
4	Merchant
5	Other

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.CARD^DATA^OUTPUT^CAP

Logscan Name	Subfield of
pos^data^crd^out^cap	POS^DATA

Description

The Card Data Output Capability is the tenth subfield of the Point of Service Data Code field. This subfield indicates if the terminal is able to update the card.

Default Value

Blank.

Possible Values

Value	Description
0	Unknown
1	Not able to update card
2	Magnetic stripe write
3	Integrated circuit card (ICC)

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.TERM^OUTPUT^CAP

Logscan Name	Subfield of
pos^data^term^out^cap	POS^DATA

Description

The Terminal Output Capability is the eleventh subfield of the Point of Service Data Code field. This subfield indicates if the terminal is able to print and/or display messages.

Default Value

Blank.

Possible Values

Value	Description
0	Unknown
1	No output capability
2	Print capability
3	Display capability
4	Print and display capability

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

POS^DATA.PIN^CAPT^CAP

Logscan Name	Subfield of
pos^data^pin^capt^cap	POS^DATA

Description

The PIN Capture Capability is the twelfth subfield of the Point of Service Data Code field. This subfield indicates the length of the PIN that the terminal is capable of capturing.

Default Value

Blank.

Possible Values

Value	Description
0	No PIN capture capability
1	Unknown
4	Four characters
5	Five characters
6	Six characters
7	Seven characters
8	Eight characters
9	Nine characters
A	Ten characters
B	Eleven characters
C	Twelve characters

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

CARD^CATEGORY

Logscan Name
crd^cat

Description

The Card Category indicates the type of card used to initiate the transaction. This value is set by a field in the CEDDSTR file.

Default Value

Blank.

Possible Values

Value	Description
00	Debit Card
01	Credit Card
02	Debit-Credit Card
03	Electronic Benefits Transfer (EBT) Cardk
04	Check Cashing Card
05	Identification Card
90	Token BIN
91	User Defined Field
92	User Defined Field
93	User Defined Field
94	User Defined Field
95	User Defined Field
96	User Defined Field
97	User Defined Field
98	User Defined Field

Initially Set By

Primary Message Control (PMC).



Modified By

Not modified.

Used By

Totals.

CARD^LOGO^ID

Logscan Name
crd^logo

Description

The Card Logo Identification Code indicates the primary card issuer program identified by the card in the Primary Account Number field. If used for card logo routing, this field indicates the card issuer program used for the transaction.

Default Value

Blank.

Possible Values

Any eight-character alphanumeric value. Refer to the CEDCBAS field for additional information.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Totals.

PRINT^MASK^ID

Logscan Name
prnt^mask

Description

The Print Mask Identification Code indicates the specific print mask record in the Connex™ Environmental Data Base used for batch reporting. The print mask defines the edit pattern used to display the PAN on various reports.

Default Value

Blank.

Possible Values

Any eight-character alphanumeric value. Refer to the CEDPRNT field for additional information.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Offline Settlement Services.

EXT^PAY^DATA

Logscan Name
ext^pay^cd

Description

The Extended Payment Data indicates the number of months the cardholder has selected to take to pay for this item. This is the number of months permitted by the card issuer.

Default Value

Blank.

Possible Values

Values 00 through 99.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Offline Settlement Services.

DATE^TIME^TRANS^RQST

Logscan Name
date^rqst

Description

The Transmission Date and Time Request indicates the month, day, and time the transaction request was sent by the message initiator in Coordinated Universal Time (Greenwich Mean Time). Logscan displays this as a single field that includes the following subfields in the order listed here:

Subfield	Description
DATE^TIME^TRANS^RQST.MM	Month the transaction occurred
DATE^TIME-TRANS^RQST.DD	Day the transaction occurred
DATE^TIME- TRANS^RQST.HR	Hour the transaction occurred
DATE^TIME- TRANS^RQST.MN	Minute the transaction occurred
DATE^TIME- TRANS^RQST.SC	Second the transaction occurred

Default Value

Blank.

Possible Values

Subfield	Value
DATE^TIME- TRANS^RQST.MM	01 through 12
DATE^TIME- TRANS^RQST.DD	01 through 31
DATE^TIME- TRANS^RQST.HR	00 through 23
DATE^TIME- TRANS^RQST.MN	00 through 59
DATE^TIME- TRANS^RQST.SC	00 through 59

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Terminal Handler (TH).

CUR^TYPE

Logscan Name
cur^type

Description

The Currency Type indicates the type of currency used to complete the transaction.

Default Value

Blank.

Possible Values

These Currency Codes are controlled by the ISO 8583 Codes Maintenance Agency.

Value	Description
00	Not used
01	Paper currency
02	Coin
03	Travelers check
04	Scrip
06	Coupon
07	Money order
20-29	Stamps
31-39	Gift certificate
40-49	Transit pass

Value	Description
60-69	Prepaid card
80-89	Event ticket
99	Generic media

Initially Set By

Terminal Handler (TH).

Modified By

Not modified.

Used By

Terminal Handler (TH).

CUR^TRAN

Logscan Name
cur^tran

Description

Transaction Currency Code indicates the currency of the funds requested by the cardholder. This is normally the local currency of the acquirer or source location for the transaction.

Default Value

Blank.

Possible Values

These Currency Codes are controlled by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

CUR^CARD^BILL

Logscan Name
cur^crd^bill

Description

The Cardholder Billing Currency Code indicates the currency for funds charged to the cardholder. This is normally the currency for the cardholder's account.

Default Value

Blank.

Possible Values

These Currency Codes are controlled by the ISO 8583 Codes Maintenance Agency.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Primary Message Control (PMC).

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

AMT^TRAN

Logscan Name
amt^tran

Description

The Transaction Amount indicates the funds requested by the cardholder. This is the acquirer's local currency or source location of the transaction excluding any fees.

Default Value

Zero.

Possible Values

Any number in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Used By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

MSG^AMT^TRAN

Logscan Name	Redefine of
amt^tran	AMT^TRAN

Description

The Message Transaction Amount is a redefine of the Transaction Amount field.

Default Value

Zero.

Possible Values

Any number in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Interface (PI)
- Primary Message Control (PMC)

Used By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

AMTS^ORIG

Logscan Name
No Logscan Name

Description

The Original Amounts includes subfields that identify original currency amounts for a transaction. Logscan displays these subfields individually in the order listed here:

Subfields	Value
AMTS^ORIG.AMT^TRAN	Transaction Amount
AMTS^ORIG.AMT^RECON^ACQR	Acquirer Reconciliation Amount
AMTS^ORIG.AMT^CARD^BILL	Cardholder Billing Amount
AMTS^ORIG.AMT^RECON^ISSR	Issuer Reconciliation Amount

Default Value

Zero.

Possible Values

For this information, refer to descriptions and the possible values for the individual subfields.

Initially Set By

Refer to the individual subfield for specific information.

Modified By

Refer to the individual subfield for specific information.

Used By

Refer to the individual subfield for specific information.

AMTS^ORIG.AMT^TRAN

Logscan Name	Subfield of
orig^amt^tran	AMTS^ORIG

Description

The Transaction Amount is the first subfield of the Original Amounts field. This subfield indicates the original funds requested by the cardholder in the local currency of the acquirer or source location of the transaction excluding any fees.

Default Value

Zero.

Possible Values

Any number in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

AMTS^ORIG.AMT^RECON^ACQR

Logscan Name	Subfield of
orig^amt^recon^acq	AMTS^ORIG

Description

The Acquirer Reconciliation Amount is the second subfield of the Original Amounts field. This subfield indicates the original funds transferred between the acquirer and the Connex™ on HP NonStop network that is equal to the original transaction amount in the currency of reconciliation used by the acquirer.

Default Value

Zero.

Possible Values

Any number in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Interface (PI)
- Primary Message Control (PMC)

Used By

Acquirer Processor Interface (PI).

AMTS^ORIG.AMT^CARD^BILL

Logscan Name	Subfield of
amt^crd^bill	AMTS^ORIG

Description

The Cardholder Billing Amount is the third subfield of the Original Amounts field. This subfield indicates the original funds billed to the cardholder in the currency of the cardholder account excluding the cardholder billing fees.

Default Value

Zero.

Possible Values

Any number in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Used By

Not used.

AMTS^ORIG.AMT^RECON^ISSR

Logscan Name	Subfield of
orig^amt^recon^iss	AMTS^ORIG

Description

The Issuer Reconciliation Amount is the fourth subfield of the Original Amounts field. This subfield indicates the original funds transferred between the issuer and the Connex™ on HP NonStop network that is equal to the original transaction amount in the currency of reconciliation used by the issuer.

Default Value

Zero.

Possible Values

Any number in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

AMT^CARD^BILL

Logscan Name
amt^crd^bill

Description

The Cardholder Billing Amount indicates the funds charged to the cardholder in the currency of the cardholder account excluding the cardholder billing fees.

Default Value

Zero.

Possible Values

Any number in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

AMT^CARD^BILL^FEE

Logscan Name
amt^crd^bill^fee

Description

The Cardholder Billing Fee Amount indicates the fee that the card issuing institution charged the cardholder. This fee is normally in the same currency as the cardholder billing amount.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified by

Issuer Processor Interface (PI).

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Terminal Handler (TH)

PROCESSING^FLAG

Logscan Name
proc^flag

Description

This is a four-word field (64 bits) that includes bits (or group of bits) that identify a specific processing flag. These processing flags indicate various that processing checks that are executed by the contents of the FINIPC and their results. Because specific flags are not identified as subfields within the FINIPC DDL, the subfield entry has been left blank for each flag description. For specific information for each of the processing flags, such as descriptions and values, refer to each individual flag following this description.

Logscan displays the flags in groups of 16 as a sequence of binary 0/1 values. Each flag is associated with a define that is used to qualify the FINIPC message and is used as part of the heading. The flags and the processing checks are listed here:

Processing Check	Flag
DIRECT^REFERENCE^TRANSET	PROCESSING^FLAG[0].<0>
UNVERIFIED^PIN^DENIED	PROCESSING^FLAG[0].<1>
CARD^VALIDATED	PROCESSING^FLAG[0].<2>
WARM^CARD^ON^PI^NEG	PROCESSING^FLAG[0].<3>
EDC^NOT^SENT^TO^HOST	PROCESSING^FLAG[0].<4>
CVV^FAILED	PROCESSING^FLAG[0].<5>
NO^REPLY^MAX^FINS	PROCESSING^FLAG[0].<6>
NO^WAIT^MAX^FINS	PROCESSING^FLAG[0].<7>
NETW^PASS^GAINLOSS	PROCESSING^FLAG[0].<8>
ORIG^ACCT^TYPE^UNSPECIFIED	PROCESSING^FLAG[0].<9>
SETL^EXCHANGE^ACQR	PROCESSING^FLAG[0].<10>
SETL^EXCHANGE^ISSR	PROCESSING^FLAG[0].<11>
SETL^EXCHANGE^NETW	PROCESSING^FLAG[0].<12>
FULL^TRACK^READ	PROCESSING^FLAG[0].<13>
SURCHARGE^MARKETING^MSG	PROCESSING^FLAG[0].<14>
LARGE^PRIV^DATA^ACQR	PROCESSING^FLAG[0].<15>

Processing Check	Flag
LARGE^PRIV^DATA^ISSR	PROCESSING^FLAG[1].<0>
MASTER^EXCHANGE^ACQR	PROCESSING^FLAG[1].<1>
MASTER^EXCHANGE^ISSR	PROCESSING^FLAG[1].<2>
USE^LARGEST^TIMER	PROCESSING^FLAG[1].<3>
NOT^FIRST^IN^SERIES	PROCESSING^FLAG[1].<4>
NOT^LAST^IN^SERIES	PROCESSING^FLAG[1].<5>
MULTIPLE^MSG^POSSIBLE	PROCESSING^FLAG[1].<6>
COMPLETION^MSG	PROCESSING^FLAG[1].<7>
TRAN^PLUS^FEE^ISSUER	PROCESSING^FLAG[1].<8>
PRE^AUTH^INDICATOR	PROCESSING^FLAG[1].<9:10>
PRE^AUTH^TRAN	PROCESSING^FLAG[1].<9>
PRE^AUTHORIZED^TRAN	PROCESSING^FLAG[1].<10>
HARDWARE^CVV	PROCESSING^FLAG[1].<11>
SOFTWARE^CVV	PROCESSING^FLAG[1].<12>
OVER^DISPENSE^TRAN	PROCESSING^FLAG[1].<13>
CAPTURE^MAX^PIN^TRIES	PROCESSING^FLAG[1].<14>
DONT^ROUTE^DENIAL^ADVICE	PROCESSING^FLAG[1].<15>
DEPOSIT^ONLY^CARD	PROCESSING^FLAG[2].<0>
RECEIVED^BY^ISSR^PI	PROCESSING^FLAG[2].<1>
SOFTWARE^PIN^VALIDATION	PROCESSING^FLAG[2].<2>
ACQR^PENDS	PROCESSING^FLAG[2].<3:4>
SPLIT^TRANSFER^AUTH	PROCESSING^FLAG[2].<5>
HARDWARE^PIN^VALIDATION	PROCESSING^FLAG[2].<6>
CARD^SEQUENCE^NBR^USED	PROCESSING^FLAG[2].<7>
CARD^SEQ^NBR^RIGHT^JUSTIFIED	PROCESSING^FLAG[2].<8>
CARD^SEQ^NBR^ZERO^FILLED	PROCESSING^FLAG[2].<9>
PARTIAL^AUTH^SUPPORTED	PROCESSING^FLAG[2].<10>
PAN^EXTENDED	PROCESSING^FLAG[2].<11>
ROUTING^METHOD	PROCESSING^FLAG[2].<12:15>

Processing Check	Flag
EDC^REQUIRED	PROCESSING^FLAG[3].<0>
OAR^PASSES	PROCESSING^FLAG[3].<1:2>
AUTH^RESP^RECV	PROCESSING^FLAG[3].<3>
AUTH^RQST^SENT	PROCESSING^FLAG[3].<4>
ACQR^MSG^AUDITED	PROCESSING^FLAG[3].<5>
ISSR^MSG^AUDITED	PROCESSING^FLAG[3].<6>
AUTH^BY^ALT^ROUTE	PROCESSING^FLAG[3].<7>
TRAN^INCOMPLETE	PROCESSING^FLAG[3].<8>
OAR^POSSIBLE	PROCESSING^FLAG[3].<9>
COMPLETION^REPLY^REQUIRED	PROCESSING^FLAG[3].<10>
COMPLETION^POSSIBLE	PROCESSING^FLAG[3].<11>
COMPLETION^REQUIRED	PROCESSING^FLAG[3].<12>
PROCESSED^BY	PROCESSING^FLAG[3].<13:15>

Default Value

Zero.

Possible Values

Refer to the individual flags for specific information.

Initially Set By

Refer to the individual flags for specific information.

Modified By

Refer to the individual flags for specific information.

Used By

Refer to the individual flags for specific information.

PROCESSING^FLAG[0].<0> - DIRECT^REFERENCE^TRANSET

Logscan Name
proc^flag

Description

This flag is used by Primary Message Control to indicate if a transaction set was identified by information from CEDSRCE, CEDDIRR, CEDDSTR, CEDDEFR records or from an on-us relationship. These transaction sets do not need to be recalculated from the intersection between the acquirer and the issuer transaction set on the second phase of OAR processing.

Default Value

Zero.

Possible Values

Value	Description
0	Transaction set not specifically identified
1	Transaction set specifically identified

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Primary Message Control (PMC).

PROCESSING^FLAG[0].<1> - UNVERIFIED^PIN^DENIED

Logscan Name
proc^flag

Description

This flag indicates if a transaction is denied if the PIN is not verified. A PIN cannot be verified if the required track information is missing. The option to deny an unverified PIN is determined by the Deny Unverified Pin keyword on the AP PIN^CHECK instruction or the Deny Unverified PIN option on the CEDCOPT record. This is used with any other required PIN validation configuration requirements.

Default Value

Zero.

Possible Values

Value	Description
0	PIN not verified, transaction approved
1	PIN not verified, transaction denied

Initially Set By

- Authorization Processor (AP)
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Primary Message Control (PMC)

PROCESSING^FLAG[0].<2> - CARD^VALIDATED

Logscan Name
proc^flag

Description

This flag indicates that Card Verification Value (CVV) validation (see processing flag 1 for the type) and the mandatory checks were performed for the required CED information, extended PAN, and expiration date eligibility.

Default Value

Zero.

Possible Values

Value	Description
0	CVV validation not performed
1	CVV validation performed

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Modified By

Issuer Processor Interface (PI).

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

PROCESSING^FLAG[0].<3> - WARM^CARD^ON^PI^NEG

Logscan Name
proc^flag

Description

This flag indicates if a processor interface negative file search found a warm status for the card. This flag is used for processor interface full velocity implementation.

- If the host is not available, the transaction is denied.
- If the host is available, the transaction is forwarded.

Default Value

Zero.

Possible Values

Value	Description
0	Card with warm status not found in PI negative file
1	Card with warm status found in PI negative file

Initially Set By

Issuer Processor Interface (PI).

Modified By

Issuer Processor Interface (PI).

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[0].<4> - EDC^NOT^SENT^TO^HOST

Logscan Name
proc^flag

Description

This flag indicates if the POS transaction was sent to the Authorization Processor or the Processor Interface for approval. These are normally force-post Electronic Draft Capture (EDC) transactions from a POS terminal that are sent to PMC for issuer information. Do not forward these transactions to a host.

Default Value

Zero.

Possible Values

Value	Description
0	Transaction sent to issuer process
1	Transaction not sent to issuer process

Initially Set By

Terminal Handler 80.

Modified By

Not modified.

Used By

- Terminal Handler 80
- Terminal Handler 01
- Terminal Handler 95

PROCESSING^FLAG[0].<5> - CVV^FAILED

Logscan Name
proc^flag

Description

This flag indicates if Card Verification Value (CVV) validation was performed and if the validation was successful.

Default Value

Zero.

Possible Values

Value	Description
0	CVV validation successful (other flags indicate if CVV performed)
1	CVV validation failed

Initially Set By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)

Modified By

Issuer Processor Interface (PI).

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

PROCESSING^FLAG[0].<6> - NO^REPLY^MAX^FINS

Logscan Name
proc^flag

Description

This flag indicates if the maximum number of financial messages for a processor memory queue are configured on CNFG040 and if the number of messages queued is greater than or equal to the maximum allowed. This financial message is a response to the acquirer processor. If this flag is set, the processor interface reverses any response so that the PI does not deliver the authorization to the acquirer.

Default Value

Zero.

Possible Values

Value	Description
0	Maximum number of queued financial messages not reached
1	Maximum number of queued financial messages reached

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

PROCESSING^FLAG[0].<7> - NO^WAIT^MAX^FINS

Logscan Name
proc^flag

Description

This flag indicates if a maximum number of financial message for a processor memory queue is configured on CNFG040 and if the number of queued messages is greater than or equal to the maximum number allowed. The financial message is a request for an authorization response from the issuer processor. If this flag is set, the processor interface processes the request in stand-in mode as though the issuer were unavailable.

Default Value

Zero.

Possible Values

Value	Description
0	Maximum number of queued financial messages not reached
1	Maximum number of queued financial messages reached

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[0].<8> - NETW^PASS^GAINLOSS

Logscan Name
proc^flag

Description

This flag indicates if any gains or losses associated with currency conversion are transferred. This flag identifies if a network with a parent currency exchange relationship passes the conversion rate from a processor with a parent relationship.

The acquirer, network, and issuer currency exchange relationships as well as the network's pass gain/loss relationship are all used in online processing to determine the reconciliation information update process. FIS technical staff should refer to the currency control technical documentation (\devl.\$usr1.pidocadv.ccdsgn or the archive) for additional information.

Default Value

Zero.

Possible Values

Value	Description
0	Do not pass conversion rate
1	Pass on the conversion rate

Initially Set By

- Customer unique Primary Message Control (PMC)
- Issuer Processor Interface (PI)

Modified By

Not modified.

Used By

- Primary Message Control (PMC)
- Issuer Processor Interface (PI)

PROCESSING^FLAG[0].<9> - ORIG^ACCT^TYPE^UNSPECIFIED

Logscan Name
proc^flag

Description

This flag indicates if the original processing code included an unspecified From or To account type. This option allows the settlement process to restore the processing code to its original value.

Default Value

Zero.

Possible Values

Value	Description
0	Account type specified by the acquirer or the cardholder at a terminal
1	Account type not specified by the acquirer or the cardholder at a terminal

Initially Set By

Primary Message Control (PMC).

Modified By

Terminal Handler (TH).

Used By

- Offline Services
- Issuer Processor Interface (PI)

PROCESSING^FLAG[0].<10> - SETL^EXCHANGE^ACQR

Logscan Name
proc^flag

Description

This flag indicates if the acquiring processor is a parent for the currency exchange. This flag is used if any foreign exchange relationships exists for the transaction and is initially set by the Cur Exch Master field on the PI configuration record (CNFG040). The flag is modified if any network ID mapping is configured for indirectly connected processors or resolution of conflicting currency exchange parents.

The acquirer, network, and issuer currency exchange relationships and the network's pass gain/loss relationship are used to update reconciliation information. FIS technical staff should refer to the currency control technical documentation (\devl.\$usr1.pidocadv.ccdsgn or the archive) for additional information.

Default Value

Zero.

Possible Values

Value	Description
0	Acquirer processor is the currency exchange child
1	Acquirer processor is the currency exchange parent

Initially Set By

Acquirer Processor Interface (PI)

Modified By

- Issuer Processor Interface (PI)
- Merchant Host Terminal Handler

Used By

- Primary Message Control (PMC)
- IBM Settlement

PROCESSING^FLAG[0].<11> - SETL^EXCHANGE^ISSR

Logscan Name
proc^flag

Description

This flag indicates if the issuer processor is the parent for the currency exchange process. This flag is used if a foreign exchange relationship exists for the transaction. This flag is initially set by the Cur Exch Master field in the processor interface configuration record (CNFG040) and is modified if the network ID mapping is configured to resolve indirectly connected processors or conflicting currency exchange parents.

The acquirer, network, and issuer currency exchange relationships and the network's pass gain/loss relationship are all used by online processing to update reconciliation information. FIS technical staff should refer to the currency control technical documentation (\devl.\$usr1.pidocadv.ccdsgn or the archive) for additional information.

Default Value

Zero.

Possible Values

Value	Description
0	Issuer processor is the currency exchange child
1	Issuer processor is the currency exchange parent

Initially Set By

Issuer Processor Interface (PI).

Modified By

- Issuer Processor Interface (PI)
- Merchant Host Terminal Handler

Used By

Offline IBM Settlement.

PROCESSING^FLAG[0].<12> - SETL^EXCHANGE^NETW

Logscan Name
proc^flag

Description

This flag indicates if the Connex™ on HP NonStop network is the parent for a currency exchange relationship. The acquirer, network, and issuer currency exchange relationships and the network's pass gain/loss relationship are used by online processing to update the reconciliation information. FIS technical staff should refer to the currency control technical documentation (\delv.\$usr1.pidocadv.ccdsgn or the archive) for additional information.

Default Value

Zero.

Possible Values

Value	Description
0	Connex™ on HP NonStop network is the currency exchange child
1	Connex™ on HP NonStop network is the currency exchange parent

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI).

Used By

- Primary Message Control (PMC)
- IBM Offline Settlement Services

PROCESSING^FLAG[0].<13> - FULL^TRACK^READ

Logscan Name
proc^flag

Description

This flag indicates if the full content of the magnetic stripe was read by an acquiring device so that the CVV/CVC validation or further processing can continue. This flag must be set to perform CVV/CVC validation.

Default Value

Zero.

Possible Values

Value	Description
0	Full magnetic stripe not read
1	Full magnetic stripe read

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

PROCESSING^FLAG[0].<14> - SURCHARGE^MARKETING^MSG

Logscan Name
proc^flag

Description

The Surcharge Marketing Message indicates if a terminal displays a vendor message if the cardholder rejects the surcharge fee. This marketing message provides the cardholder with account relationship information to avoid future surcharge fees at the same terminal.

Default Value

Zero.

Possible Values

Value	Description
0	No marketing message presented to the cardholder
1	Marketing message presented to the cardholder

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Terminal Handler (TH).

PROCESSING^FLAG[0].<15> - LARGE^PRIV^DATA^ACQR

Logscan Name
proc^flag

Description

The Large Private Data Acquirer indicates if large private data information is added to the end of the internal financial message by the acquirer process. If additional data is present, it is processed as an addition to the normal internal financial message structure until the transaction request is processed by the issuer process. The data is then logged to a separate message structure by the process that acquires the financial message.

The large data is private definition information not referenced or used by the Connex™ on HP NonStop application except to transfer the data from the acquirer to the issuer and audit within the activity log file.

Default Value

Zero.

Possible Values

Value	Description
0	No large private data added to the transaction request by the acquirer
1	Large private data added to the transaction request by the acquirer

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[1].<0> - LARGE^PRIV^DATA^ISSR

Logscan Name
proc^flag

Description

The Large Private Data Issuer indicates if any large additional private data information was added to the end of the internal financial message by the issuer process. Any additional data is processed as an addition to the standard internal financial message structure until the transaction response is processed by the acquirer process. The data is then logged to a separate message structure by the process that acquires the financial message.

The large data is private definition information not referenced or used by the Connex™ on HP NonStop application except to transfer the data from the acquirer to the issuer and audit within the activity log file.

Default Value

Zero.

Possible Values

Value	Description
0	No large private data was added to the transaction response by the issuer
1	Large private data was added to the transaction response by the issuer

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

PROCESSING^FLAG[1].<1> - MASTER^EXCHANGE^ACQR

Logscan Name
proc^flag

Description

This flag is used by acquirer processor interface to indicate if the Currency Exchange Master field on the processor interface configuration record is set to yes. FIS technical staff should refer to the currency control technical documentation (`(devl.$usr1.pidocadv.ccdsgn` or the archive) for additional information.

Default Value

Zero.

Possible Values

Value	Description
0	Acquirer processor is currency exchange child
1	Acquirer processor is currency exchange parent

Initially Set By

Acquirer Processor Interface (PI).

Modified By

- Primary Message Control (PMC)
- Merchant Host Terminal Handler

Used By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)

PROCESSING^FLAG[1].<2> - MASTER^EXCHANGE^ISSR

Logscan Name
proc^flag

Description

This flag is used by the issuer processor interface to determine if the Currency Exchange Master field on the processor interface configuration record is set to yes. FIS technical staff should refer to the currency control technical documentation (devl.\$usr1.pidocadv.ccdsgn or the archive) for additional information.

Default Value

Zero.

Possible Values

Value	Description
0	Issuer processor is currency exchange child
1	Issuer processor is currency exchange parent

Initially Set By

Primary Message Control (PMC).

Modified By

- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)

PROCESSING^FLAG[1].<3> - USE^LARGEST^TIMER

Logscan Name
proc^flag

Description

This flag is used by the acquirer processor interface to indicate if the private data request is for a mini or full statement. Primary Message Control sets this flag if the CEDROUT is configured to use the greatest value for the response time override option. The issuer processor interface (or the full velocity server) calculates the issuer time-out period as the greater of the authorization request time and the issuer response time from the CNFG040.

Default Value

Zero.

Possible Values

Value	Description
0	Greater time logic is not in effect
1	Greater time logic is in effect

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Primary Message Control (PMC).

Used By

- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

PROCESSING^FLAG[1].<4> - NOT^FIRST^IN^SERIES

Logscan Name
proc^flag

Description

This flag indicates if this message is the first data request for a multiple message transaction. The acquirer process sets this flag if a host processor interface indicates that more data is available to inform the issuer processor interface that the message is not an original request.

Default Value

Zero.

Possible Values

Value	Description
0	First (or only) request for data
1	Not the first request for data

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[1].<5> - NOT^LAST^IN^SERIES

Logscan Name
proc^flag

Description

This flag indicates if the issuer processor has additional data to send for a multiple message transaction. For example, statement print. If the issuer processor has no additional data to send, the flag is set to false and the completion required flag is set to true to inform the TH to expect a completion message from the device.

Default Value

Zero.

Possible Values

Value	Description
0	No additional data to send
1	Additional data to send

Initially Set By

Issuer Processor Interface (PI).

Modified By

Issuer Processor Interface (PI).

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[1].<6> - MULTIPLE^MSG^POSSIBLE

Logscan Name
proc^flag

Description

This flag indicates if the Terminal Handler or Acquirer Processor Interface supports a multiple message environment. For example, statement print. An issuer processor interface checks this flag to determine if the acquirer process supports the flow of multiple messages for a single large data transaction.

Default Value

Zero.

Possible Values

Value	Description
0	Acquirer PI does not accept multiple response messages
1	Acquirer PI supports multiple messages from the issuer PI

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[1].<7> - COMPLETION^MSG

Logscan Name
proc^flag

Description

This flag indicates if the Terminal Handler processes a terminal completion message. The issuer processor interface checks this flag to determine if the message is a terminal completion message. The message is then sent to the issuer processor interface.

Default Value

Zero.

Possible Values

Value	Description
0	Message is not a terminal completion message
1	Message is a terminal completion message

Initially Set By

Terminal Handler (TH).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[1].<8> - TRAN^PLUS^FEE^ISSUER

Logscan Name
proc^flag

Description

This flag indicates to the offline settlement system if an online fee or surcharge was combined with the transaction amount. The fee is added or subtracted from the transaction amount depending on the type of transaction.

Default Value

Zero.

Possible Values

Value	Description
0	No fee or surcharge is combined with the transaction amount
1	A fee or surcharge is combined with the transaction amount

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

IBM Settlement Services.

PROCESSING^FLAG[1].<9:10> - PRE^AUTH^INDICATOR

Logscan Name
proc^flag

Description

This two-bit flag is a the combination of two, one-bit flags. For additional information, refer to the descriptions and the values for the individual subfields.

Value	Description
PROCESSING^FLAG[1].<9> - PRE^AUTH^TRAN	Pre-authorized with estimated amount
PROCESSING^FLAG[1].<10> - PRE^AUTHORIZED^TRAN	Pre-authorized

Default Value

Zero.

Possible Values

Refer to the individual subfield for specific information.

Initially Set By

Refer to the individual subfield for specific information.

Modified By

Refer to the individual subfield for specific information.

Used By

Refer to the individual subfield for specific information.

PROCESSING^FLAG[1].<9> - PRE^AUTH^TRAN

Logscan Name
proc^flag

Description

This flag indicates if the acquiring process determined that the transaction is an original transaction with an estimated amount or a preauthorization transaction with an estimated amount.

Default Value

Zero.

Possible Values

Value	Description
0	Transaction is not a preauthorization with estimated amount
1	Transaction is a preauthorization with estimated amount

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Issuer Processor Interface (PI).

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Terminal Handler (TH)

PROCESSING^FLAG[1].<10> - PRE^AUTHORIZED^TRAN

Logscan Name
proc^flag

Description

This flag indicates if the transaction follows an authorization (0100 level) type transaction and completes the prior preauthorization. This flag is set by the Preauth flag mapped by the processing code.

Default Value

Zero.

Possible Values

Value	Description
0	No prior authorization
1	Pre-authorized

Initially Set By

- Acquirer Processor Interface (PI)
- POS Terminal Handler

Modified By

Issuer Processor Interface (PI).

Used By

- Primary Message Control (PMC)
- Terminal Handler (TH)
- Issuer Processor Interface (PI)
- Transaction Exception System (TES)

PROCESSING^FLAG[1].<11> - HARDWARE^CVV

Logscan Name
proc^flag

Description

The CEDTRCK uses this flag to indicate if the Connex™ on HP NonStop Hardware CVV routine performs card validation to determine the card's eligibility. If advice and notification data is not present, the flag is set to off.

Default Value

Zero.

Possible Values

Value	Description
0	Advice and notification data is not present
1	Advice and notification data is present

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Primary Message Control (PMC)
- Log Statistics

PROCESSING^FLAG[1].<12> - SOFTWARE^CVV

Logscan Name
proc^flag

Description

The CEDTRCK uses this flag to indicate if the Connex™ on HP NonStop Hardware CVV routine performs card validation to determine the card's eligibility. If track data for advice and notification is not present, the flag is set to off.

Default Value

Zero.

Possible Values

Value	Description
0	Track data not present
1	Track data is present

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Primary Message Control (PMC)
- Log Statistics

PROCESSING^FLAG[1].<13> - OVER^DISPENSE^TRAN

Logscan Name
proc^flag

Description

This flag indicates if an over dispense transaction produced a negative reversal amount.

Default Value

Zero.

Possible Values

Value	Description
0	Over dispense did not occur
1	Over dispense occurred

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[1].<14> - CAPTURE^MAX^PIN^TRIES

Logscan Name
proc^flag

Description

This flag indicates if the card is captured when the maximum number of PIN tries is reached. The CEDSTBL record sets the Primary Message Control to capture the card, but the device must be capable of capturing the card.

Default Value

Zero.

Possible Values

Value	Description
0	Do not capture card
1	Capture card if maximum PIN tries reached

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Issuer Processor Interface for stand-in.

PROCESSING^FLAG[1].<15> - DONT^ROUTE^DENIAL^ADVICE

Logscan Name
proc^flag

Description

This flag indicates if the PMC found routing errors and the transaction is not routed to the issuer. PMC rejects transactions with specific routing errors. This is not the same as the to the Send Advice Option on CEDROUT.

Default Value

Zero.

Possible Values

Value	Description
0	No routing errors, forward to issuer
1	Routing errors, do not forward to issuer

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

PROCESSING^FLAG[2].<0> - DEPOSIT^ONLY^CARD

Logscan Name
proc^flag

Description

Not currently used.

Default Value

Zero.

Initially Set By

Not modified.

Modified By

Not modified.

Used By

Not modified.

PROCESSING^FLAG[2].<1> - RECEIVED^BY^ISSR^PI

Logscan Name
proc^flag

Description

This flag indicates if the FINIPC message is from an acquiring processor interface, authorization processor, or terminal handler. The issuing processor interface sets this flag in the input financial transaction.

Default Value

Zero.

Possible Values

Value	Description
0	Issuing processor interface did not receive the transaction from the acquiring process
1	Issuing processor interface received the transaction from the acquiring process

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Statistics Monitor Collector.

PROCESSING^FLAG[2].<2> - SOFTWARE^PIN^VALIDATION

Logscan Name
proc^flag

Description

This flag is set by the software PIN validation routines used by DES, Diebold®, TRW or Visa®. Validation is performed using Connex™ on HP NonStop software algorithms.

Default Value

Zero.

Possible Values

Value	Description
0	Software PIN validation not performed
1	Software used to validate PIN

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Log Statistics
- Primary Message Control (PMC)
- Statistics Monitor Collector

PROCESSING^FLAG[2].<3:4> - ACQR^PENDS

Logscan Name
proc^flag

Description

This flag indicates the pend level performed by the acquiring process. The information recorded on a partial pend varies with the acquiring process. A full pend indicates that the entire FINIPC is in the pend file.

Default Value

Zero.

Possible Values

Value	Description
0	Acquirer does not pend
1	Partial record pend
2	Full FINIPC pend

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Log Statistics

PROCESSING^FLAG[2].<5> - SPLIT^TRANSFER^AUTH

Logscan Name
proc^flag

Description

This flag is intended for future use by PMC using the CEDROUT Split Auth Xfer field.

Default Value

Zero.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used.

PROCESSING^FLAG[2].<6> - HARDWARE^PIN^VALIDATION

Logscan Name
proc^flag

Description

This flag is set by the hardware PIN validation routines used by DES, Diebold®, TRW, Visa®, or Atalla® Identkey. Validation is performed using an external hardware device along with Connex™ on HP NonStop software.

Default Value

Zero.

Possible Values

Value	Description
0	Hardware PIN validation not performed
1	Hardware PIN validation performed

Initially Set By

- Primary Message Control (PMC)
- Authorization Processor (AP)

Modified By

Not modified.

Used By

- Log Statistics
- Primary Message Control (PMC)
- Statistics Monitor

PROCESSING^FLAG[2].<7> - CARD^SEQUENCE^NBR^USED

Logscan Name
proc^flag

Description

This flag indicates if the BIN uses the card sequence numbers from the CEDTRCK record. A valid CEDSEQN record is required to use this flag. This bit indicates to the negative file processing logic that card look-up is performed using the sequence number.

This bit indicates to acquiring processor interfaces that support an inbound card sequence field (the ISO field 23) the Primary Message Control modified the format of the sequence number. The Processor Interface restores and returns the modified format to the original sequence number in the reply.

Default Value

Zero.

Possible Values

Value	Description
0	No card sequence number
1	BIN uses card sequence numbers

Initially Set By

Primary Message Control.

Modified By

Not modified.

Used By

- Processor Interface Store and Forward (SNF) and full velocity processing
- Acquirer Processor Interface (PI)

PROCESSING^FLAG[2].<8> - CARD^SEQ^NBR^RIGHT^JUSTIFIED

Logscan Name
proc^flag

Description

This flag is set by the CEDSEQN record and is only used if the card sequence number used flag is set. The card sequence number is right-justified and left-filled with the characters assigned by the Primary Message Control.

Default Value

Zero.

Possible Values

Value	Description
0	Sequence number is left-justified
1	Sequence number is right-justified

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Processor Interface (PI)
- Terminal Handler (Merchant Host)

PROCESSING^FLAG[2].<9> - CARD^SEQ^NBR^ZERO^FILLED

Logscan Name
proc^flag

Description

This flag indicates if PMC padded the card sequence number field with zeros. The CEDSEQN record indicates the zeros included in the card sequence number right-justified flag. If this bit is not set, the sequence number is padded with blanks. This only applies if the card sequence number used flag is set on.

Default Value

Zero.

Possible Values

Value	Description
0	Sequence number blank filled
1	Sequence number zero filled

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Processor Interface (PI)
- Terminal Handler (Merchant Host)

PROCESSING^FLAG[2].<10> - PARTIAL^AUTH^SUPPORTED

Logscan Name
proc^flag

Description

This flag indicates if the acquirer accepts an issuer authorization for an amount that is less than the requested amount. This flag is set by the acquiring processor interface for preauthorization transactions. Terminal handlers do not support partial approvals and use the Partial Approvals field in CEDTERM. Refer to CNFG040 for additional information about support for partial approval.

Default Value

Zero.

Possible Values

Value	Description
0	Acquirer does not support partial authorizations
1	Acquirer supports partial authorizations

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)
- Voice Authorization Entry (VAE)

Modified By

Acquirer Processor Interface.

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[2].<11> - PAN^EXTENDED

Logscan Name
proc^flag

Description

This flag indicates if an extended PAN is present.

Default Value

Zero.

Possible Values

Value	Description
0	Extended PAN not present
1	Extended PAN received from the acquirer

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer.

PROCESSING^FLAG[2].<12:15> - ROUTING^METHOD

Logscan Name
proc^flag

Description

This flag indicates the routing method determined by the Primary Message Control. For a complete description of the various routing methods, refer to the Environment Data Base Reference Manual or the Connex™ Environmental Data Base Procedures Manual.

Default Value

Zero.

Possible Values

Value	Description
0	Not determined
1	Destination
2	Direct
3	On-us
4	AID
5	Source
6	Logo
7	Default

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Primary Message Control (PMC).

PROCESSING^FLAG[3].<0> - EDC^REQUIRED

Logscan Name
proc^flag

Description

This flag indicates if the transaction is to be an electronic draft capture. Primary Message Control sets this flag if the CEDLOPT Draft Capture field is set to yes. Also, the Terminal Handler can set this flag during a 0320 batch upload. Transactions from DDC terminals in a 0320 batch upload include a complete list of all transactions (offline and 0220 online) performed at a point-of-sale terminal. These draft capture transactions are used by offline services for funds movement and require the electronic draft capture flag be set on.

Default Value

Zero.

Possible Values

Value	Description
0	No draft capture
1	Draft capture

Initially Set By

- Terminal Handler 80
- Primary Message Control (PMC)

Modified By

- Terminal Handler 80
- Primary Message Control (PMC)

Used By

- IBM Offline Services
- Totals

PROCESSING^FLAG[3].<1:2> - OAR^PASSES

Logscan Name
proc^flag

Description

This flag indicates the current request type for OAR processing.

Default Value

Zero.

Possible Values

Value	Description
0	Initial request
1	Second request after the customer has chosen an account from the list returned in the response to the first request. This may be the final request even on transfers if the from and the to accounts are chosen from the list of accounts returned.
2	Third request after the customer has chosen the To account from the new list returned in the response to the second request and this would be the final request.

Initially Set By

Terminal Handler (TH).

Modified By

Terminal Handler (TH).

Used By

- Issuer Processor Interface (PI)
- Log Statistics
- Terminal Handler (TH)

PROCESSING^FLAG[3].<3> - AUTH^RESP^RECV

Logscan Name
proc^flag

Description

This flag indicates if a reply for a request is received from the issuer and is used for tracking purposes. This flag is set by the financial transaction response or an open account relationship transaction response.

Default Value

Zero.

Possible Values

Value	Description
0	No response received
1	Response received

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

- Log Statistics
- Statistics Monitor Collector

PROCESSING^FLAG[3].<4> - AUTH^RQST^SENT

Logscan Name
proc^flag

Description

This flag indicates if a transaction request is received by the issuer and is used for tracking purposes.

Default Value

Zero.

Possible Values

Value	Description
0	No acknowledgment that issuer received the request
1	Issuer received the request

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

- Log Statistics
- Statistics Monitor Collector

PROCESSING^FLAG[3].<5> - ACQR^MSG^AUDITED

Logscan Name
proc^flag

Description

This flag indicates if the acquirer processor interface audited the message. This flag is set by the CNFG040 Audit Level field in the Connex™ Environmental Data Base or the audit commands in Network Monitoring Information (NMI).

Default Value

Zero.

Possible Values:

Value	Description
0	Message not audited
1	Message audited

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Terminal Handler

Modified By

Not modified.

Used By

Log Statistics.

PROCESSING^FLAG[3].<6> - ISSR^MSG^AUDITED

Logscan Name
proc^flag

Description

This flag indicates if the issuer processor interface message is audited.

Default Value

Zero.

Possible Values

Value	Description
0	Message not audited
1	Message audited

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Log Statistics.

PROCESSING^FLAG[3].<7> - AUTH^BY^ALT^ROUTE

Logscan Name
proc^flag

Description

This flag is set by the issuing Processor Interface if the transaction was processed by the alternate route processor instead of the primary route processor. This flag indicates to other processes the method used to route the data.

Default Value

Zero.

Possible Values

Value	Description
0	Processed by the primary processor
1	Processed by the alternate processor

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Processor Interface (PI)
- Primary Message Control (PMC)
- Statistics Monitor Collector
- Terminal Handler (TH)
- Voice Authorization Entry (VAE)

PROCESSING^FLAG[3].<8> - TRAN^INCOMPLETE

Logscan Name
proc^flag

Description

This flag indicates if the acquirer determined that the record includes enough information for the issuer to authorize the request. For example, if an OAR request for From accounts does not include the requested transaction amount, the acquirer expects an OAR response and not a financial approval.

Default Value

Zero.

Possible Values

Value	Description
0	Complete transaction
1	Incomplete transaction

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Used By

- Issuer Processor Interface (PI)
- Authorization Processor (AP)

PROCESSING^FLAG[3].<9> - OAR^POSSIBLE

Logscan Name
proc^flag

Description

This flag indicates if the transaction is eligible for OAR processing and if the acquirer processes an OAR response for account selection. The acquirer can accept, but does not require, a list of one or more acceptable accounts to select from instead of a financial authorization/denial response. The issuer process uses this bit to determine the type of response the transaction can return.

Default Value

Zero.

Possible Values

Value	Description
0	Not eligible for OAR processing
1	Eligible for OAR processing

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[3].<10> - COMPLETION^REPLY^REQUIRED

Logscan Name
proc^flag

Description

This flag is not currently used. A completion reply must be sent to the acquirer for this transaction if this flag is set. This flag is set by the Terminal Handler if the completion message option is selected in the CEDTERM record for Completion Message - With Confirmation.

Default Value

Zero.

Possible Values

Value	Description
0	Completion reply not required
1	Completion reply required

Initially Set By

Terminal Handler (TH).

Modified By

Not modified.

Used By

Terminal Handler (TH).

PROCESSING^FLAG[3].<11> - COMPLETION^POSSIBLE

Logscan Name
proc^flag

Description

This flag indicates if the issuer processor interface set the completion required flag. This flag is set by the Terminal Handler if the completion message option is selected in the CEDTERM record for Completion Message - Without Confirmation, or Completion Message - With Confirmation.

Default Value

Zero.

Possible Values

Value	Description
0	Completion not possible
1	Completion possible

Initially Set By

Terminal Handler (TH).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

PROCESSING^FLAG[3].<12> - COMPLETION^REQUIRED

Logscan Name
proc^flag

Description

This flag indicates if the Terminal Handler is to set the completion message flag to yes for approved transactions. If this flag is set to yes, the Terminal Handler requires a completion for approved transactions.

Default Value

Zero.

Possible Values

Value	Description
0	Completion not required
1	Completion required

Initially Set By

Processor Interface (PI).

Modified By

Not modified.

Used By

Terminal Handler (TH).

PROCESSING^FLAG[3].<13:15> - PROCESSED^BY

Logscan Name
proc^flag

Description

This flag indicates that the switch process modified the action code.

Default Value

Zero.

Possible Values

Value	Description
0	Issuer
1	Issuer Processor Interface (stand-in)
2	Primary Message Control
3	Acquirer
4	Terminal Handler or Acquirer Processor Interface
5	Authorization Processor
6	Alternate Issuer
7	Processor Interface Full Velocity Server

Initially Set By

- Authorization Processor (AP)
- Primary Message Control (PMC)
- Processor Interface (PI)
- Terminal Handler (TH)

Modified By

- Authorization Processor (AP)
- Primary Message Control (PMC)
- Processor Interface (PI)
- Terminal Handler (TH)

Used By

- Processor Interface (PI)
- Statistics Monitor Collector

PROCESS^BILLING^FLAG

Logscan Name
proc^bill^flag

Description

The Processing Billing flag accumulates information about optional processing for a particular transaction. This information is used to determine the cost above the base transaction cost for this particular transaction. This four-word field consists of 64 bits that indicates the specific process billing flags used to identify the various billing steps for the transaction. For specific information, refer to the descriptions and values of the individual flags in the sections that follow.

Because specific flags are not identified as subfields within the FINIPC DDL, the subfield entry is blank for each flag description. Logscan displays the flags in groups of 16 as a sequence of binary 0/1 values. Each flag has an associated define that is used to qualify the FINIPC message used as part of the heading in the sections listed here:

- BYPASS^ARQC = PROCESS^BILLING^FLAG[0].<2>
- EVENT^BROKER = PROCESS^BILLING^FLAG[0].<3>
- PIN^VALIDATION^BYPASSED = PROCESS^BILLING^FLAG[0].<4>
- EMV^PERFORMED = PROCESS^BILLING^FLAG[0].<5>
- SENT^TO^BACKUP^AP = PROCESS^BILLING^FLAG[0].<6>
- ACQR^RECON^CURRENCY^OVERRIDE = PROCESS^BILLING^FLAG[0].<7>
- INTERNET^PIN^DEBIT^TRAN = PROCESS^BILLING^FLAG[0].<8>
- ISSR^CHG^CARD^BILL^CURR = PROCESS^BILLING^FLAG[0].<9>
- NOTIFY^STANDIN = PROCESS^BILLING^FLAG[0].<10>
- FALCON^PART^LEVEL = PROCESS^BILLING^FLAG[0].<11>
- FALCON^OLP^REASON = PROCESS^BILLING^FLAG[0].<12:13>
- FRAUD^MGR^BLOCK = PROCESS^BILLING^FLAG[0].<14:15>
- AP^FOR^PIN^VAL^ONLY = PROCESS^BILLING^FLAG[1].<0>
- CB^FOR^TRAN = PROCESS^BILLING^FLAG[1].<1>
- DYNAMIC^CVC3^PERFORMED = PROCESS^BILLING^FLAG[1].<2>
- ARPC^REGEN^PERFORMED = PROCESS^BILLING^FLAG[1].<3>
- MULTI^SWITCH^CURR^IND = PROCESS^BILLING^FLAG[1].<4>
- AUTH^INST^IND = PROCESS^BILLING^FLAG[1].<5>
- OFFLINE^FORCE^POST = PROCESS^BILLING^FLAG[1].<6>

- PINNED^TRANS = PROCESS^BILLING^FLAG[1].<7>
- ISSR^PERFORMED^MATCH = PROCESS^BILLING^FLAG[1].<8>
- FRAUD^CARD^TYPE = PROCESS^BILLING^FLAG[1].<9:10>
- CASE^MGMT^OPT = PROCESS^BILLING^FLAG[1].<11:12>
- ACQR^RATE^TABLE = PROCESS^BILLING^FLAG[1].<13>
- ISSR^RATE^TABLE = PROCESS^BILLING^FLAG[1].<14>
- CURRENCY^CONVERSION = PROCESS^BILLING^FLAG[1].<15>
- PMC2^SWAP^FILE USED = PROCESS^BILLING^FLAG[2].<0>
- DEMD^DATA^SOURCE = PROCESS^BILLING^FLAG[2].<1:2>
- FALCON^SCORE^TYPE = PROCESS^BILLING^FLAG[2].<4:6>
- INCLUDE^SURCHARGE^IN^USAGE = PROCESS^BILLING^FLAG[2].<7>
- EXP^DATE^CHECKED = PROCESS^BILLING^FLAG[2].<8>
- CARD^CAPTURE^EXPIRED = PROCESS^BILLING^FLAG[2].<9>
- PENDED^FORCE^POST^LOGEXP=PROCESS^BILLING^FLAG[2].<10>
- PENDED^FORCE^POST=PROCESS^BILLING^FLAG[2].<11>
- VALID^EXP^DATE=PROCESS^BILLING^FLAG[2].<12>
- MATCH^HOLD^INDICATOR=PROCESS^BILLING^FLAG[2].<13>
- POST^AUTH^DONE=PROCESS^BILLING^FLAG[2].<14>
- IN^AUTH^DONE=PROCESS^BILLING^FLAG[2].<15>
- EXPIRE^MISMATCH=PROCESS^BILLING^FLAG[3].<0:2>
- CVI2^STATUS=PROCESS^BILLING^FLAG[3].<3:4>
- BYPASS^EXP^DATE^CHK=PROCESS^BILLING^FLAG[3].<05>
- ISSR^ELECTS^ADMIN^FINIPC=PROCESS^BILLING^FLAG[3].<6>
- PMC^CHG^CARD^BILL=PROCESS^BILLING^FLAG[3].<07>
- LINKS^SUPPORT^EXTRN^SETL=PROCESS^BILLING^FLAG[3].<08>
- EXTRN^SETL^TRAN=PROCESS^BILLING^FLAG[3].<09>
- AP^FOR^AVS^ONLY=PROCESS^BILLING^FLAG[3].<10>
- INHIBIT^ADVICE^SEND=PROCESS^BILLING^FLAG[3].<11>
- SUPPRESS^FP^SEND=PROCESS^BILLING^FLAG[3].<12>
- OVERRIDE^NEGATIVE^DENIAL=PROCESS^BILLING^FLAG[3].<13>
- BATCH^REPLAY=PROCESS^BILLING^FLAG[3].<14>
- ACQR^SET^CARD^BILL= PROCESS^BILLING^FLAG[3].<15>

Default Value

Zero.

Possible Values

For specific information, refer to the descriptions and the values for the individual flags.

Initially Set By

Refer to the individual flag for specific information.

Modified By

Refer to the individual flag for specific information.

Used By

Refer to the individual flag for specific information.

PROCESS^BILLING^FLAG[0].<2> - BYPASS^ARQC

Logscan Name
proc^bill^flag

Description

This flag indicates if PMC bypassed ARQC validation for EMV Transactions.

Default Value

Zero.

Possible Values

Value	Description
0	Validate ARQC if configured.
1	Do not validate ARQC.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Not Used.

PROCESS^BILLING^FLAG[0].<3> - EVENT^BROKER

Logscan Name
proc^bill^flag

Description

This flag indicates the Data Distributor to filter transactions based on the criteria that a particular transaction was eligible to be processed by a particular network but was not seen by the network as either an acquirer or an issuer.

Default Value

Zero.

Possible Values

Value	Description
0	Indicates the conditions were not detected.
1	Indicates the conditions were detected.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

None.

PROCESS^BILLING^FLAG[0].<4> - PIN^VALIDATION^BYPASSED

Logscan Name
proc^bill^flag

Description

This flag indicates PIN validation is setup, but validation was bypassed.

Default Value

Zero.

Possible Values

Value	Description
0	PIN Validation is NOT bypassed. PIN will get validate if PIN validation is setup.
1	PIN Validation is bypassed. PIN will NOT get validate even if PIN validation is setup.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

None.

PROCESS^BILLING^FLAG[0].<5> - EMV^PERFORMED

Logscan Name
proc^bill^flag

Description

This flag indicates EMV ARQC is verified by switch.

Default Value

Zero.

Possible Values

Value	Description
0	ARQC is not verified by switch.
1	ARQC is verified by switch.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

None.

PROCESS^BILLING^FLAG[0].<6> - SENT^TO^BACKUP^AP

Logscan Name
proc^bill^flag

Description

This flag indicates transaction is sent to backup AP process.

Default Value

Zero.

Possible Values

Value	Description
0	Transaction is not sent to backup AP process.
1	Transaction is sent to backup AP process.

Initially Set By

Processor Interface (PI), Terminal Handler (TH).

Modified By

Not Modified.

Used By

Statistics Monitor Transaction Collector (SMONTRCT), Processor Interface (PI), Terminal Handler (TH).

PROCESS^BILLING^FLAG[0].<7> - ACQR^RECON^CURRENCY^OVERRIDE

Logscan Name
proc^bill^flag

Description

This flag indicates currency conversion was performed successfully.

Default Value

Zero.

Possible Values

Value	Description
0	Currency conversion was not performed.
1	Currency conversion was performed successfully.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

None.

PROCESS^BILLING^FLAG[0].<8> - INTERNET^PIN^DEBIT^TRAN

Logscan Name
proc^bill^flag

Description

This flag indicates internet Pinned debit transaction.

Default Value

Zero.

Possible Values

Value	Description
0	Not an internet Pinned debit transaction.
1	Internet Pinned debit transaction.

Initially Set By

Processor Interface (PI).

Modified By

Not Modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[0].<9> - ISSR^CHG^CARD^BILL^CURR

Logscan Name
proc^bill^flag

Description

This flag indicates issuer is modified card bill currency.

Default Value

Zero.

Possible Values

Value	Description
0	Issuer is not modified card bill currency.
1	Issuer is modified card bill currency.

Initially Set By

Citi Processor Interface (ICC PI).

Modified By

Not Modified.

Used By

None.

PROCESS^BILLING^FLAG[0].<10> - NOTIFY^STANDIN

Logscan Name
proc^bill^flag

Description

This flag indicates acquirer support stand-in.

Default Value

Zero.

Possible Values

Value	Description
0	Acquirer not support stand-in.
1	Acquirer support stand-in.

Initially Set By

Processor Interface (PI).

Modified By

Not Modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[0].<11> - FALCON^PART^LEVEL

Logscan Name
proc^bill^flag

Description

This flag indicates falcon real time BIN.

Default Value

Zero.

Possible Values

Value	Description
0	Not a falcon real time BIN.
1	Falcon real time BIN.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Falcon Interface Servers.

PROCESS^BILLING^FLAG[0].<12:13> - FALCON^OLP^REASON

Logscan Name
proc^bill^flag

Description

This flag indicates the reason why transaction goes in online plus mode.

Default Value

Zero.

Possible Values

Value	Description
0	Transaction is not going in online plus mode.
1	Request to Falcon timed out.
2	Falcon connection error.
3	Falcon Unavailable.

Initially Set By

Falcon interface servers.

Modified By

Not Modified.

Used By

Falcon interface servers.

PROCESS^BILLING^FLAG[0].<14:15> - FRAUD^MGR^BLOCK

Logscan Name
proc^bill^flag

Description

This flag indicates the fraud manager block.

Default Value

Zero.

Possible Values

Value	Description
0	Not blocked.
1	BIN blocked.
2	Card blocked.
3	Terminal Blocked.

Initially Set By

OEFSR000.

Modified By

Not Modified.

Used By

OEFSR000.

PROCESS^BILLING^FLAG[1].<0> - AP^FOR^PIN^VAL^ONLY

Logscan Name
proc^bill^flag

Description

This flag indicates to use Authorization Processor for PIN validation only.

Default Value

Zero.

Possible Values

Value	Description
0	Authorization Processor is not for PIN validation only.
1	Authorization Processor for PIN validation only

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Authorization Processor (AP), Processor Interface (PI).

PROCESS^BILLING^FLAG[1].<1> - CB^FOR^TRAN

Logscan Name
proc^bill^flag

Description

This is used for customer unique implementation.

Default Value

Zero.

Possible Values

N/A.

Initially Set By

N/A.

Modified By

N/A.

Used By

N/A.

PROCESS^BILLING^FLAG[1].<2> - DYNAMIC^CVC3^PERFORMED

Logscan Name
proc^bill^flag

Description

This flag indicates whether dynamic CVC3 is performed or not.

Default Value

Zero.

Possible Values

Value	Description
0	Dynamic CVC3 is not performed.
1	Dynamic CVC3 is performed.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Primary Message Control (PMC), Statistics Monitor Transaction Collector (SMONTRCT).

PROCESS^BILLING^FLAG[1].<3> - ARPC^REGEN^PERFORMED

Logscan Name
proc^bill^flag

Description

This flag indicates whether ARPC regenerated by AP or PI when transaction got denied.

Default Value

Zero.

Possible Values

Value	Description
0	ARPC is not regenerated.
1	ARPC is regenerated.

Initially Set By

Processor Interface (PI) or Authorization Processor (AP).

Modified By

Not Modified.

Used By

None.

PROCESS^BILLING^FLAG[1].<4> - MULTI^SWITCH^CURR^IND

Logscan Name
proc^bill^flag

Description

This flag indicates whether the switch supports multi-currency or not.

Default Value

Zero.

Possible Values

Value	Description
0	Switch does not support multi-currency.
1	Switch supports multi-currency.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Primary Message Control (PMC), Processor Interface (PI).

PROCESS^BILLING^FLAG[1].<5> - AUTH^INST^IND

Logscan Name
proc^bill^flag

Description

This flag indicates auth agent institution id is populated from issuer response.

Default Value

Zero.

Possible Values

Value	Description
0	Auth agent institution id is not populated.
1	Auth agent institution id is populated.

Initially Set By

Processor Interface (PI).

Modified By

Not Modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[1].<6> - OFFLINE^FORCE^POST

Logscan Name
proc^bill^flag

Description

This flag indicates whether to send the offline forced post to issuer or not.

Default Value

Zero.

Possible Values

Value	Description
0	Not send the offline forced post to issuer.
1	Send the offline forced post to issuer.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[1].<7> - PINNED^TRANS

Logscan Name
proc^bill^flag

Description

This flag indicates the pinned transaction.

Default Value

Zero.

Possible Values

Value	Description
0	Not a pinned transaction.
1	Pinned transaction.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Statistics Monitor Transaction Collector (SMONTRCT), Falcon Interface Servers.

PROCESS^BILLING^FLAG[1].<8> - ISSR^PERFORMED^MATCH

Logscan Name
proc^bill^flag

Description

This flag indicates Issuer Processor Interface performed the matching while using Transaction Distributor.

Default Value

Zero.

Possible Values

Value	Description
0	Matching not performed.
1	Matching performed.

Initially Set By

Processor Interface (PI).

Modified By

Not Modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[1].<9:10> - FRAUD^CARD^TYPE

Logscan Name
proc^bill^flag

Description

This flag indicates the card type.

Default Value

Zero.

Possible Values

Value	Description
0	None.
1	ATM
2	DEBIT
3	CREDIT

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Falcon Interface Servers.

PROCESS^BILLING^FLAG[1].<11:12> - CASE^MGMT^OPT

Logscan Name
proc^bill^flag

Description

This flag indicates the type of transaction falcon should do the scoring.

Default Value

Zero.

Possible Values

Value	Description
0	None.
1	Signature transaction only.
2	Pinned transaction only.
3	All transactions.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Falcon Interface Servers.

PROCESS^BILLING^FLAG[1].<13> - ACQR^RATE^TABLE

Logscan Name
proc^bill^flag

Description

This flag indicates whether the acquirer rate table is used or not.

Default Value

Zero.

Possible Values

Value	Description
0	Acquirer rate table is not used.
1	Acquirer rate table is used.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Not used.

PROCESS^BILLING^FLAG[1].<14> - ISSR^RATE^TABLE

Logscan Name
proc^bill^flag

Description

This flag indicates whether issuer rate table is used or not.

Default Value

Zero.

Possible Values

Value	Description
0	Issuer rate table is not used.
1	Issuer rate table is used.

Initially Set By

Primary Message Control (PMC).

Modified By

Not Modified.

Used By

Not used.

PROCESS^BILLING^FLAG[1].<15> - CURRENCY^CONVERSION

Logscan Name
proc^bill^flag

Description

This flag indicates whether currency conversion is invoked or not.

Default Value

Zero.

Possible Values

Value	Description
0	Currency conversion is not invoked.
1	Currency conversion is invoked.

Initially Set By

Primary Message Control (PMC), Terminal Handler (TH).

Modified By

Primary Message Control (PMC).

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[2].<0> - PMC2^SWAP^ FILE USED

Logscan Name
proc^bill^flag

Description

This flag indicates whether the card prefix (IBIN) of the current transaction is a network BIN or not.

Default Value

Zero.

Possible Values

Value	Description
0	BIN is not a network BIN
1	BIN is a network BIN

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

PMC to identify which CED file (CEDBAS or CEDNBIN) contains information related to the BIN.

PROCESS^BILLING^FLAG[2].<1:2> - DEMD^DATA^SOURCE

Logscan Name
proc^bill^flag

Description

This flag indicates the demographic data source for Falcon.

Default Value

Zero.

Possible Values

Value	Description
0	None
1	AP
2	CIMS
3	FINIPC

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Falcon Interface servers

PROCESS^BILLING^FLAG[2].<4:6> - FALCON^SCORE^TYPE

Logscan Name
proc^bill^flag

Description

This flag indicates the falcon scoring type.

Default Value

Zero.

Possible Values

Value	Description
0	Not falcon eligible
1	Online
2	Online plus
3	Realtime
6	Profile Maturation

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Logger, Primary Message Control (PMC) and Falcon Interface servers.

PROCESS^BILLING^FLAG[2].<7> - INCLUDE^SURCHARGE^IN^USAGE

Description

This flag indicates whether or not the surcharge is added to the transaction amount, and then tested against the withdrawal limit for that card base, during stand-in.

Default Value

Zero.

Possible Values

Value	Description
0	Surcharge is not added to the transaction amount, and then tested against the withdrawal limit for that card base, during stand-in.
1	Surcharge is added to the transaction amount, and then tested against the withdrawal limit for that card base, during stand-in.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Processor Interface(PI).

PROCESS^BILLING^FLAG[2].<8> - EXP^DATE^CHECKED

Logscan Name
proc^bill^flag

Description

This flag indicates if the Passthru Exp.Card field is set in the CEDCOPT file. If this field is set, the processor interface verifies the expiration date.

Default Value

Zero.

Possible Values

Value	Description
0	Do not verify expiration date
1	Verify expiration date

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[2].<9> - CARD^CAPTURE^EXPIRED

Logscan Name
proc^bill^flag

Description

This flag indicates if the Passthru Exp.Card field is set in the CEDCOPT file and the Capture Expired field is set in the CEDCOPT file to indicate if the capture is unconditional or conditional and if the capture device meets those conditions. The Processor Interface indicates if the card is captured.

Default Value

Zero.

Possible Values

Value	Description
0	Do not capture expired card
1	Capture expired card

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[2].<10> - PENDED^FORCE^POST^LOGEXP

Logscan Name
proc^bill^flag

Description

This flag indicates if a pended force post is passed after a log cutoff timestamp. If the log cutoff timestamp is passed, the force post is rejected.

Default Value

Zero.

Possible Values

Value	Description
0	Accept pended force post
1	Reject pended force post

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Authorization Processor (AP).

PROCESS^BILLING^FLAG[2].<11> - PENDED^FORCE^POST

Logscan Name
proc^bill^flag

Description

This flag indicates if the transaction is a pended force-post transaction.

Default Value

Zero.

Possible Values

Value	Description
0	Transaction is not a pended force-post
1	Transaction is a pended force-post

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Not used.

PROCESS^BILLING^FLAG[2].<12> - VALID^EXP^DATE

Logscan Name
proc^bill^flag

Description

This flag indicates if expiration date matching was performed and if the expiration date on the card is valid.

Default Value

Zero.

Possible Values

Value	Description
0	Expiration date not valid
1	Expiration date valid

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[2].<13> - MATCH^HOLD^INDICATOR

Logscan Name
proc^bill^flag

Description

This flag indicates if a match is found for a hold transaction during the end-of-day debit inquiry process.

Default Value

Zero.

Possible Values

Value	Description
0	Match not found for hold
1	One match found for hold

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Not used.

PROCESS^BILLING^FLAG[2].<14> - POST^AUTH^DONE

Logscan Name
proc^bill^flag

Description

This flag indicates if post-authorization is performed or required for the Neural Net Fraud Detection process.

Default Value

Zero.

Possible Values

Value	Description
0	Post-authorization is not performed or required
1	Post-authorization is performed or required

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Statistics Collector

PROCESS^BILLING^FLAG[2].<15> - IN^AUTH^DONE

Logscan Name
proc^bill^flag

Description

This flag indicates if in-authorization is preformed or required for the Neural Net Fraud Detection process.

Default Value

Zero.

Possible Values

Value	Description
0	In-authorization is not performed or required
1	In-authorization is performed or required

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Statistics Monitor Collector

PROCESS^BILLING^FLAG[3].<0:2> - EXPIRE^MISMATCH

Logscan Name
proc^bill^flag

Description

This flag is used for offline reporting and fraud scoring.

Default Value

Zero.

Possible Values

Value	Description
0	Not checked
1	Not able to confirm, missing from transaction
2	Did not match any expiration dates
3	Matched current expiration date
4	Matched previous expiration date
5	Excluded network - did not match either expiration date

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Statistics Monitor Collector

PROCESS^BILLING^FLAG[3].<3:4> - CVI2^STATUS

Logscan Name
proc^bill^flag

Description

This flag is not currently used.

Default Value

Zero.

Possible Values

None.

Initially Set By

Not set.

Modified By

Not modified.

Used By

Not used.

PROCESS^BILLING^FLAG[3].<5> - BYPASS^EXP^DATE^CHK

Logscan Name
proc^bill^flag

Description

This flag indicates if the expiration date check is bypassed for a recurring transaction.

Default Value

Zero.

Possible Values

Value	Description
0	Do not bypass expiration date check
1	Bypass expiration date check

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Primary Message Control (PMC).

PROCESS^BILLING^FLAG[3].<6> - ISSR^ELECTS^ADMIN^FINIPC

Logscan Name
proc^bill^flag

Description

This flag indicates if the Issuer Elects Admin FINIPC field (Connex_Opt3) is set in the CEDROUT file. If the flag is set to yes and no additional errors occur, the Processor Interface forwards an administrative FINIPC online to the issuer.

Default Value

Zero.

Possible Values

Value	Description
0	Admin FINIPC not selected
1	Admin FINIPC selected

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[3].<7> - PMC^CHG^CARD^BILL

Logscan Name
proc^bill^flag

Description

This flag indicates if externally settled transactions are processed as single currency transactions regardless of the currencies involved. For example, the acquirer, the network, the issuer and the card bill. This flag is set if the settlement currency is not the currency of the funds billed to the cardholder, normally the currency of the cardholder's account. The currency of the funds billed to the cardholder is the same as the settlement currency.

Default Value

Zero.

Possible Values

Value	Description
0	Card billing currency not changed
1	Card billing currency changed

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[3].<8> - LINKS^SUPPORT^EXTRN^SETL

Logscan Name
proc^bill^flag

Description

This flag indicates if external settlement is supported by the acquirer. This flag is set by the Links Support External Settlement field (Connex-Opt1) of the CEDTERM record.

Default Value

Zero.

Possible Values

Value	Description
0	Link does not support external settlement
1	Link supports external settlement

Initially Set By

Processor Interface (PI).

Modified By

Not modified.

Used By

- Processor Interface (PI)
- Primary Message Control (PMC)

PROCESS^BILLING^FLAG[3].<9> - EXTERN^SETL^TRAN

Logscan Name
proc^bill^flag

Description

This flag indicates to an acquirer if a transaction is settled externally. This flag is set by the LINKS^SUPPORT^EXTRN^SETL flag.

Default Value

Zero.

Possible Values

Value	Description
0	Not an external settlement transaction
1	External settlement transaction

Initially Set By

Processor Interface (PI).

Modified By

Not modified.

Used By

- Processor Interface (PI)
- Primary Message Control (PMC)

PROCESS^BILLING^FLAG[3].<10> - AP^FOR^AVS^ONLY

Logscan Name
proc^bill^flag

Description

This flag is set by the AP for AVS Only field (Connex_Opt1) in the CEDCBAS file. If this field is not set and alternate routing to an AP is possible, the primary Processor Interface routes a Step 4 transaction as a Step 24 transaction to an alternate Processor Interface that sends the transaction to its host for authorization.

Default Value

Zero.

Possible Values

Value	Description
0	Not AP for AVS only. Permit alternate routing if alternate routing enabled and available.
1	AP for AVS only. Do not permit alternate routing even if alternate routing enabled.

Initially Set By

Primary Message Code (PMC).

Modified By

Not modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[3].<11> - INHIBIT^ADVICE^SEND

Logscan Name
proc^bill^flag

Description

This flag indicates if the inhibit advice send field (Connex_opt4) in the CEDCOPT record is set by the PMC. The processor interface does not forward the advice to the issuer for these transactions.

Default Value

Zero.

Possible Values

Value	Description
0	Send advice
1	Do not send advice

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Processor Interface
- Authorization Processor

PROCESS^BILLING^FLAG[3].<12> - SUPPRESS^FP^SEND

Logscan Name
proc^bill^flag

Description

This flag is set by the suppress force-post send field (Connex_opt2) in the CEDPOPT file. This flag determines if the processor interface forwards force-post messages to the issuer.

Default Value

Zero.

Possible Values

Value	Description
0	Forward force post message
1	Do not forward force post message

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[3].<13> - OVERRIDE^NEGATIVE^DENIAL

Logscan Name
proc^bill^flag

Description

This flag indicates to override hot card denials by transaction type. This flag determines if the stand-in processor interface approves negative file card transactions. The PMC sets this flag using the value in the override negative denial field in the CEDROUT record. Cards in the negative file with a reject reason of 115 are not denied.

Default Value

Zero.

Possible Values

Value	Description
0	Do not override negative denial
1	Override negative denial

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Processor Interface (PI).

PROCESS^BILLING^FLAG[3].<14> - BATCH^REPLAY

Logscan Name
proc^bill^flag

Description

This flag is used only by the Australian Processor Interface to indicate a 0320 electronic draft capture message.

Default Value

Zero.

Possible Values

Value	Description
0	Not an electronic draft capture message (0320)
1	Electronic draft capture message (0320)

Initially Set By

Australian Processor Interface.

Modified By

Not modified.

Used By

Australian Processor Interface.

PROCESS^BILLING^FLAG[3].<15> - ACQR^SET^CARD^BILL

Logscan Name
proc^bill^flag

Description

This flag indicates if the Primary Message Control uses the cardholder billing currency provided by the acquirer. Primary Message Control lets the acquirer determine the transaction currency code.

Default Value

Zero.

Possible Values

Value	Description
0	Transaction currency code not determined by the acquirer
1	Transaction currency code determined by the acquirer

Initially Set By

Acquirer.

Modified By

Not modified.

Used By

Primary Message Code (PMC).

MILESTONE

Logscan Name
No Logscan Name

Description

This is an array field that consists of 15 timestamp subfields that represent various stages of FINIPC processing. The individual timestamps can be redefined to have more than one name and/or meaning. You access the subfields using the references in the following format: milestone[0].timestamp, ..., milestone[15].timestamp.

Logscan displays the individual timestamp fields under separate headings. For specific information, refer to the individual timestamp for descriptions and values. Each timestamp has a define associated with it that qualifies the FINIPC message and is used as part of the heading as listed here:

- TIME^RQST^RECV^FROM^ACQR=MILESTONE[0].TSTAMP.
WORD
- TIME^RQST^SENT^TO^ISSR=MILESTONE[1].TSTAMP.WORD
- TIME^RESP^RECV^FROM^ISSR=MILESTONE[2].TSTAMP.
WORD
- TIME^RESP^SENT^TO^ACQR=MILESTONE[3].TSTAMP.WORD
- TIME^RESP^QUEUED^TO^ACQR=MILESTONE[4].TSTAMP.
WORD
- TIME^COMPLETION^RECEIVED=MILESTONE[4].TSTAMP.
WORD
- TIME^REVERSAL^CREATED=MILESTONE[5].TSTAMP.WORD
- TIME^RQST^QUEUED^TO^ISSR=MILESTONE[6].TSTAMP.
WORD
- TIME^RQST^SENT^TO^PMC=MILESTONE[7].TSTAMP.WORD
- TIME^RESP^RECV^FROM^PMC=MILESTONE[8].TSTAMP.
WORD
- TIME^RQST^SENT^TO^APO=MILESTONE[9].TSTAMP.WORD
- TIME^RESP^RECV^FROM^APO=MILESTONE[10].TSTAMP.
WORD
- TIME^RQST^RECV^BY^PMC=MILESTONE[11].TSTAMP.WORD
- TIME^RESP^SENT^BY^PMC=MILESTONE[12].TSTAMP.WORD
- TIME^RQST^RECV^FROM^ACQR^OLD=MILESTONE[13].
TSTAMP.WORD
- TIME^RESP^RECV^FROM^ISSR^OLD=MILESTONE[14].TSTAMP.WORD.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

Refer to the individual timestamp for specific information.

Modified By

Refer to the individual timestamp for specific information.

Used By

Refer to the individual timestamp for specific information.

MILESTONE[0].TSTAMP - TIME^RQST^RECV^FROM^ACQR

Logscan Name	Subfield of
m0	MILESTONE

Description

The Time the Request was Received From the Acquirer indicates the date and time the transaction was acquired by the Connex™ on HP NonStop network. This is the first of the 15 possible milestone timestamps for a transaction and is used for all authorization timing.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

- Acquirer Processor Interface from timestamp set by the Communications Handler within the Communications Handler IPC message.
- Terminal Handler from timestamp set by the Communications Handler within the Communications Handler IPC message.

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI) to calculate the time left before the Issuer Processor Interface must time-out the transaction request.
- Acquirer Processor Interface (PI) to calculate the time left before an authorization is too late to deliver to the acquirer and must be reversed.
- Primary Message Control (PMC) to determine the value for the Network Reconciliation Date field.
- Statistics Monitor Collector

MILESTONE[1].TSTAMP - TIME^RQST^SENT^TO^ISSR

Logscan Name	Subfield of
m1	MILESTONE

Description

The Time the Request was Sent to the Issuer indicates the date and time the issuer acknowledged receiving the transaction. This is the second of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

Issuer Processor Interface (PI) timestamp set by the Communications Handler with the Communications Handler IPC message.

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[2].TSTAMP - TIME^RESP^RECV^FROM^ISSR

Logscan Name	Subfield of
m2	MILESTONE

Description

The Time the Response was Received From the Issuer indicates the date and time the issuer's response to the transaction request was received by the Connex™ on HP NonStop network. This is the third of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

Issuer Processor Interface (PI) timestamp set by the Communications Handler within the Communications Handler IPC message.

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[3].TSTAMP - TIME^RESP^SENT^TO^ACQR

Logscan Name	Subfield of
m3	MILESTONE

Description

The Time the Response was Sent To the Acquirer indicates the date and time the acquirer acknowledged the receipt of the transaction response. This is the fourth of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

- Acquirer Processor Interface (PI) timestamp set by the Communications Handler with the Communications Handler IPC message.
- Terminal Handler (TH) timestamp set by the Communications Handler within the Communications Handler IPC message.

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[4].TSTAMP - TIME^RESP^QUEUED^TO^ACQR

Logscan Name	Subfield of
m4	MILESTONE

Description

The Time the Response was Queued To the Acquirer indicates the date and time that the acquirer Processor Interface made the transaction response available to the session services queue for transfer to the acquire. This timestamp can also indicate that the acquirer Terminal Handler made the transaction response available to the extended memory interprocess communication queue for transfer to the appropriate Communications Handler. This is the fifth of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

MILESTONE[4].TSTAMP - TIME^COMPLETION^RECEIVED

Logscan Name	Subfield of
m4	MILESTONE

Description

The Time the Completion was Received indicates the date and time the network received the completion message from a terminal driver driven by a Terminal Handler. This field is recorded in the Terminal Handler buffer and is only logged if a reversal is generated by the completion message. This field is also set by a Processor Interface if a response from an issuer cannot be delivered to an acquirer and a reversal is sent to the issuer. This field is a redefine of the fifth milestone timestamps for the transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

- Terminal Handler (TH)
- Processor Interface (PI)

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[5].TSTAMP - TIME^REVERSAL^CREATED

Logscan Name	Subfield of
m5	MILESTONE

Description

The Time the Reversal was Created timestamp indicates the date and time that any of the following events occurred at the Connex™ on HP NonStop network:

- Received a reversal message from the acquirer.
- Received a completion message from a terminal driven by a Terminal Handler that indicated an abnormal completion and a reversal is created.
- Received a data communications NAK on the last retry of sending a transaction response.
- Timed out the authorization response.
- Received an authorization it determined to be late or out of context.

This is the sixth of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numeric value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

- Processor Interface from current system timestamp or timestamp set by the Communications Handler in the Communications Handler IPC message.
- Terminal Handler from current system timestamp or timestamp set by the Communications Handler in the Communications Handler IPC message.

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Statistics Monitor Collector

MILESTONE[6].TSTAMP - TIME^RQST^QUEUED^TO^ISSR

Logscan Name	Subfield of
m6	MILESTONE

Description

The Time the Request was Queued To the Issuer indicates the date and time the issuer Processor Interface made the transaction request available to the session services queue for transfer to the issuer. This is the seventh of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numeric value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

Processor Interface (PI).

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[7].TSTAMP - TIME^RQST^SENT^TO^PMC

Logscan Name	Subfield of
m7	MILESTONE

Description

The Time the Request was Sent to Primary Message Control (PMC) indicates the date and time that the acquirer process made the transaction request available to the extended memory interprocess communication queue for transfer to PMC. This is the eighth of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[8].TSTAMP - TIME^RESP^RECV^FROM^PMC

Logscan Name	Subfield of
m8	MILESTONE

Description

The Time the Response was Received from Primary Message Control indicates the date and time the acquirer process application received the response. This is the ninth of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[9].TSTAMP - TIME^RQST^SENT^TO^APO

Logscan Name	Subfield of
m9	MILESTONE

Description

The Time the Request was Sent To AP Online indicates the date and time the APEX process sent the request to an Authorization Processor online server. This is the tenth of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[10].TSTAMP - TIME^RESP^RECV^FROM^APO

Logscan Name	Subfield of
m10	MILSTONE

Description

The Time the Response was Received From AP Online indicates the date and time the APEX process received the transaction response from the Authorization Processor online server. This is the eleventh of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[11].TSTAMP - TIME^RQST^RECV^BY^PMC

Logscan Name	Subfield of
m11	MILESTONE

Description

The Time the Request was Received by Primary Message Control (PMC) indicates the date and time that PMC received the transaction request for processing. This is the twelfth of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[12].TSTAMP - TIME^RESP^SENT^BY^PMC

Logscan Name	Subfield of
m12	MILESTONE

Description

The Time the Response was Sent By Primary Message Control (PMC) indicates the date and time that PMC made the transaction response available to the extended memory interprocess communication queue for transfer to the requesting process. This is the thirteenth of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[13].TSTAMP - TIME^RQST^RECV^FROM^ACQR^OLD

Logscan Name	Subfield of
m13	MILESTONE

Description

The Old Time the Request was Received From the Acquirer indicates the date and time the transaction was acquired by the Connex™ on HP NonStop network using the pre-Connex on HP NonStop definition. If an application calculates statistics, this option uses the old timestamp to provide consistent statistics if converting from a pre-Connex on HP NonStop platform. The old timestamps provide consistent statistics if converting from a pre-Connex on HP NonStop platform. This is the fourteenth of 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-word HP NonStop timestamp.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Statistics Monitor Collector.

MILESTONE[14].TSTAMP - TIME^RESP^RECV^FROM^ISSR^OLD

Logscan Name	Subfield of
m14	MILESTONE

Description

The Old Time the Response was Received From the Issuer indicates the date and time the issuer's response to the transaction request was received by the Connex™ on HP NonStop network using a pre-Connex on HP NonStop definition. If an application calculates statistics, this option uses the old timestamp to provide consistent statistics if converting from a pre-Connex on HP NonStop platform. This is the last of the 15 possible milestone timestamps for a transaction.

Default Value

Zero.

Possible Values

Any numerical value from 0 to the current three-digit HP NonStop timestamp.

Initially Set By

- Issuer Processor Interface (PI)
- Terminal Handler Merchant Host

Modified By

Not modified.

Used By

Statistics Monitor Collector.

Segment 02-Problem Determination Data

CONTROLLER^ID

Logscan Name
cntr^id

Description

The Controller ID field is never used and is taken directly from the swap file if necessary. The Controller ID indicates the physical controller on a circuit that manages the terminal that acquired the transaction.

Each controller has a corresponding record in the Controller File (CEDCNTR) that defines the information a Communications Handler uses to poll and select that particular controller. Other information included in this file are the controller's Circuit ID, start-up information, and protocol dependent values.

Default Value

Blank.

Possible Values

This field always includes blanks.

Initially Set By

The Controller ID field in the FINIPC is never set.

Modified By

Not modified.

Used By

- Communications Handler (CH)
- Merchant Host (MH)
- Terminal Handler (TH)

CIRC^ID^ACQR

Logscan Name
circ^id^acq

Description

The Acquirer Circuit ID indicates the telecommunications circuit that acquired the transaction. Each telecommunications circuit physically attached to the Connex™ on HP NonStop system has a corresponding record in the Circuit File (CEDCIRC). The Communications Handler uses information from the CECIRC record to handle communications with entities attached to the circuit. The record defines the circuit configuration, protocol parameters, and network monitoring information.

Default Value

Blank.

Possible Values

The Circuit ID from the Circuit (CEDCIRC) record defined for the acquiring terminal.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Terminal Handler (TH).

CIRC^ID^ISSR

Logscan Name
circ^id^iss

Description

The Issuer Circuit ID indicates the telecommunications circuit that delivered the transaction to the issuer. Each telecommunications circuit physically attached to the Connex™ on HP NonStop system has a corresponding record in the Circuit File (CEDCIRC).

The Communications Handler (CH) uses the information from the CECIRC record to handle communications with entities attached to the circuit. The record defines the circuit configuration, protocol parameters, and network monitoring information.

Default Value

Blank.

Possible Values

The Circuit ID from the Circuit (CEDCIRC) record defined for the Issuing Processor.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Processor Interface (PI).

TSAP^ID

Logscan Name
tsap^id

Description

The Transport Services Access Point ID indicates the logical communications session that acquired the transaction. The logical session defines the link between a circuit attached to a Communications Handler and a Processor Interface or a Terminal Handler. Each session is defined by a record in the Transport Access Point File (CEDTSAP).

Default Value

Blank.

Possible Values

The TSAP Device ID from any Transport Access Point (CEDTSAP) record that received a transaction for the acquiring processor or terminal handler.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Communications Handler (CH)
- Merchant Host (MH)
- Processor Interface (PI)
- Terminal Handler (TH)

TERM^TOT^TYPE

Logscan Name
term^tot^typ

Description

The Terminal Total Type identifies the count and amount fields that the Totals Process updates for each transaction. This provides a comparison of totals calculated online to totals calculated in offline settlement. The Totals Process updates totals for the following class of terminals.

- Direct-attached
- Controller-attached
- Concentrator-attached
- Switched-attached
- Voice authorization entry

NOTE: Terminal Total Type is defined in the Transaction Set File (CEDTSET).

Default Value

Blank.

Possible Values

Value	Description
DBIT	Total debits
CRDT	Total credits
MEMO	Total memos
DR**	Total memo debits
CR**	Total memo credits
DRCR	Total debits and total credits
DC**	Total memo debits and total memo credits

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Merchant Host (MH)
- Terminal Handler (TH)
- Totals Process

DATE^CAPT

Logscan Name
date^capt

Description

The Capture Date indicates the date the transaction request was processed by the acquirer. Logscan displays the month and day using the MM/DD format. The Capture Date is provided by the acquirer in the request message. The availability and use of this date is determined by the interface.

Default Value

Blank.

Possible Values

Field	Value
MM	01 through 12
DD	01 through 31

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Processor Interface (PI).

DATE^ACT

Logscan Name
date^act

Description

The Action Date indicates the information date for a future action or as a birth or anniversary date. Logscan displays the month, day, and year using the MM/DD/YY format. The acquirer provides the Capture Date in the request message. The availability and use of this date is determined by the interface.

Default Value

Blank.

Possible Values

Field	Value
MM	01 through 12
DD	01 through 31
YY	00 through 99

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

ICHG^DESIGNATOR

Logscan Name	Subfield of
sevr^code^ichg^des	SERV^CODE^GRP

Description

The Interchange Designator indicates the geographic availability code of the cardholder.

Default Value

Blank.

Possible Values

Any Interchange Designator code validated by the ISO 8583 Codes Maintenance Agency.

Value	Description
1	International interchange
2	Chip Card
5	Interchange only in country of issue
6	Chip Card, available for interchange, only in country of issue
7	Not available for general interchange (specific bilateral agreements between issuers can override this restriction)
9	System test card

Initially Set By

- Acquirer Processor Interface (PI) if the Interchange Designator is provided in a field separate from the card's magnetic track information in a request message.
- Primary Message Control (PMC) if the Interchange Designator has not been set.

PMC attempts to extract the code from the card track fields using the layout provided by the Card Track (CEDTRCK) record. If the code cannot be located, PMC uses the default Interchange Designator code from the Card Track record.

Modified By

Not modified.

Used By

- Merchant Host (MH)
- Issuer Processor Interface (PI)

SERV^CODE

Logscan Name	Subfield of
serv^code	SERV^CODE^GRP

Description

The Service Code includes the service restrictions of the cardholder.

Default Value

Blank.

Possible Values

Any Service Code validated by the ISO 8583 Codes Maintenance Agency.

Value	Description
01	No restrictions
02	No ATM service
03	ATM service only
10	No cash advance service
11	No cash advance or ATM service
20	Positive authorization, all transactions are authorized by the issuer or its agent.
21	Authorization by issuer only.
22	Authorization by issuer only; Goods and Services
23	Authorization by issuer only; ATM only, PIN required
26	Authorization by issuer only; prompt for PIN, if PIN pad is present
41	Integrated circuit present; no restrictions
43	Integrated circuit present; ATM service only

Initially Set By

- Acquirer Processor Interface (PI) if the Service Code is provided in a field separate from the card's magnetic track information in a request message.
- Primary Message Control (PMC) if the Service Code has not been set.

PMC attempts to extract the code from the card track fields using the layout provided by the Card Track (CEDTRCK) record. If the code cannot be located, PMC uses the default Service Code from the Card Track record.

Modified By

Not modified.

Used By

- Merchant Host (MH)
- Processor Interface (PI)

APPROVAL^CODE^LEN

Logscan Name
app^code^len

Description

Approval Code Length indicates the maximum size of the approval code allowed by the acquirer. The acquirer provides the length in the external request message. The card issuer or agent is required to limit the approval code to this length.

Default Value

Blank.

Possible Values

Zero through six.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

OB^TERM^GRP

Logscan Name
ob^term^grp

Description

The Outbound Terminal Group indicates the value used to drive mapping of a terminal to an outbound terminal. The outbound terminal provides a unique description of the terminal to the next network receiving the transaction. All transactions received from this terminal have the same outbound terminal ID in every transaction.

Default Value

Blank.

Possible Values

- Outbound Term Group from the Intercept Terminal (CEDINTR) record if the acquiring process is a Processor Interface.
- Outbound Term Group from the Terminal (CEDTERM) record if the acquiring process is a Terminal Handler.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Merchant Host (MH)

CARDHOLDER^LANG^CODE

Logscan Name
lang^code

Description

Cardholder Language Code indicates the required language used by the acquirer to communicate with the cardholder.

Default Value

Blank.

Possible Values

Any Language Code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Terminal Handler (TH) from the ATM request message.
- Primary Message Control (PMC) if not already set.

PMC attempts to set the Language Code using these files in the following order until a non-blank Language Code is found.

- CEDCBAS Card Base
- CEDDEFR Default Routing
- CEDDIRR Direct Routing
- CEDDSTR Destination Routing

Modified By

Not modified.

Used By

Terminal Handler (TH).

CONTRACT^LIST^ID

Logscan Name
contract^id

Description

The Contract List ID indicates a list of contract relationships used for contract routing. The contracts are agreements for transaction acquirers at the terminal level. The list is defined in the Contract Agreements Acquirer File (CEDCNTA).

Default Value

Blank.

Possible Values

- Contract List from the Intercept Terminal (CEDINTR) record if the acquiring process is a Processor Interface.
- Contract List from the Terminal (CEDTERM) record if the acquiring process is a Terminal Handler.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

SOURCE^ROUTE^ID

Logscan Name
src^rte^id

Description

The Source Route ID indicates an acquirer for the purpose of source routing. The Source Route ID has a key relationship to the Source ID in the Source Routing File (CEDSRCE).

Default Value

Blank.

Possible Values

- Source Route ID from the Intercept Terminal (CEDINTR) record if the acquiring process is a Processor Interface.
- Source Route ID from the Terminal (CEDTERM) record if the acquiring process is a Terminal Handler.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

CARD^LOGO^LIST^ID

Logscan Name
crd^logo^id

Description

The Card Logo List ID indicates the card logos used for card logo routing. Card Logo List ID has a key relationship to the Card Logo List field in the Card Logo Lists Acquirer File (CEDLOGA). Each list defines the card logos the corresponding terminal supports.

Default Value

Blank.

Possible Values

- Card Logo List from the Intercept Terminal (CEDINTR) record if the acquiring process is a Processor Interface.
- Card Logo List from the Terminal (CEDTERM) record if the acquiring process is a Terminal Handler.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

DFLT^CARD^LOGO^ID

Logscan Name
crd^logo^dflt

Description

The Default Card Logo indicates the Card Logo ID used if Card Logo routing does not find an issuer. This allows routing activity to continue without matching the issuer's Card Logo ID to a default issuer. PMC uses Default Card Logo ID to locate a default Card Logo Lists Acquirer (CEDLOGA) record.

Default Value

Blank.

Possible Values

- Default Card Logo ID from the Intercept Terminal (CEDINTR) record if the acquiring process is a Processor Interface.
- Default Card Logo ID from the Terminal (CEDTERM) record if the acquiring process is a Terminal Handler.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

DFLT^CBASE^LIST^ID

Logscan Name
cbase^dfit

Description

The Default Cardbase List ID indicates a list of records used for default routing. The Default Cardbase List ID has a key relationship with the Card Base List in the Default Routing File (CEDDEFR). This file provides routing information for transactions associated with card information in a network.

Default Value

Blank.

Possible Values

- Default Cardbase List from the Intercept Terminal (CEDINTR) record if the acquiring process is a Processor Interface.
- Default Cardbase List from the Terminal (CEDTERM) record if the acquiring process is a Terminal Handler.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

RESTRICT^GRP

Logscan Name
rest^grp

Description

The Restrictive Group indicates a restrictive interchange for transactions received from a set of terminals. The combination of the acquirer's restrictive interchange group and the issuer's restrictive interchange group determines the transactions available for the interchange. The Restrictive Group is related to the Terminal Group in the Restrictive Interchange File (CEDICHG).

Default Value

Blank.

Possible Values

- Restrictive Group from the Intercept Terminal (CEDINTR) record if the acquiring process is a Processor Interface.
- Restrictive Group from the Terminal (CEDTERM) record if the acquiring process is a Terminal Handler.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

TRANSET^ID

Logscan Name
tset^id

Description

The Transaction Set ID indicates the list of transactions that an issuer allows one or more acquirers. Primary Message Control (PMC) uses this list to determine if a transaction is valid for the interchange between an acquirer and an issuer. This list is maintained in the Transaction Set File (CEDTSET).

Default Value

Blank.

Possible Values

The Transaction Set List from one of the CED files listed below. PMC determines the routing method for the specific file.

- CEDCBAS Card Base
- CEDDEFRR Default Routing
- CEDDIRR Direct Routing
- CEDDSTR Destination Routing
- CEDSRCE Source Routing
- CEDICRG Transaction Interchange

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used. PMC places this value in the FINIPC for information only.

ROUTE^LIST^ID

Logscan Name
rte^id

Description

The Routing Information List ID indicates the list of transactions used to determine routing and processing options for the transaction. This list is maintained in the Routing Information File (CEDROUT). The Routing Information List ID is related to Routing Info List in the Card Options File (CEDCOPT).

Default Value

Blank.

Possible Values

The Routing Info List from the Card Options (CEDCOPT) record for the card and its interchange characteristics.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used. PMC assigns this value in the FINIPC for information only.

CARD^OPT^ID

Logscan Name
crd^opt^id

Description

The Card Options List ID indicates a list of Card Options (CEDCOPT) records that determine routing interchanges and provide access to routing information and processing options. This information applies to any group of cards that share the same interchange characteristics. The Card Options List ID and the Card Options Interchange ID are related to the Card Options File (CEDCOPT).

Default Value

Blank.

Possible Values

The Card Options List from one of the CED files listed below. PMC determines the routing method for the specific file.

- CEDCBAS Card Base
- CEDDEFR Default Routing
- CEDDIRR Direct Routing
- CEDDSTR Destination Routing
- CEDLOGA Card Logo Lists Acquirer

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used. PMC assigns this value in the FINIPC for information only.

Special Functions and Related Fields

COPT^ICHG^ID

COPT^ICHG^ID

Logscan Name
crd^ichg^id

Description

The Card Options Interchange ID indicates card options corresponding to an interchange. The interchange between the acquirer and issuer determines the available card options for the specific interchange. The Card Options Interchange ID and the Card Options List ID are related to the Card Options File (CEDCOPT).

Default Value

Blank.

Possible Values

The Transaction Set List from one of the CED files listed below. PMC determines the routing method for the specific file. This field is blank if on-us routing is used.

- CEDDEFR Default Routing
- CEDDIRR Direct Routing
- CEDDSTR Destination Routing
- CEDSRCE Source Routing
- CEDLOGI Card Logo Lists Issuer
- CEDLOGA Card Logo Lists Acquirer
- CEDCNTI Contract Agreements Issuer

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used. PMC assigns this value in the FINIPC for information only.

Special Functions and Related Fields

CARD^OPT^ID

CARD^LOGO^OPT^ID

Logscan Name
crd^logo^opt^id

Description

The Card Logo Options List ID indicates the card logo information and options used by a specific device. This file is related to the Card Logo Options List in the Card Logo Options File (CEDLOPT) and identifies options to process transactions associated with a specific card logo and card category. These options for processing transactions are only available at terminals with a defined Card Logo Options List ID.

Default Value

Blank.

Possible Values

The Routing Info List from the Card Options (CEDCOPT) record for the card and the related Card Logo Opt List from the Terminal (CEDTERM) record of the acquiring device.

Initially Set By

- Terminal Handler (TH)
- Merchant Host (MH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

ID

Logscan Name	Subfield of
trk^key^id	TRACK^INFO^KEY

Description

The Track Location List ID indicates a list of Card Track Information (CEDTRCK) records that provide a detailed description of the track layout information. Primary Message Control (PMC) uses this information to validate the card and the cardholder and extract any information included on the card's magnetic tracks.

Default Value

Blank.

Possible Values

The Track Location List from one of the following CED files. PMC determines the routing method used by this specific file. This field is blank if no track information is used from the card.

- CEDCBAS Card Base
- CEDDEFR Default Routing
- CEDDIRR Direct Routing
- CEDDSTR Destination Routing

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Authorization Processor (AP).

Special Functions and Related Fields

ID, TRACK^NBR, and SEQ-NBR make up the key to the Card Track Information (CEDTRCK) record.

TRACK^NBR

Logscan Name	Subfield of
trk^key^nbr	TRACK^INFO^KEY

Description

The Track Number indicates the card track used by Primary Message Control (PMC) to validate the card. The Track Number is related to Track Number from the Card Track Information file (CEDTRCK).

- If multiple track types are present, PMC validates in the following order: Track2, Track1, and Track3.
- If no track is present, PMC is tries to locate a default (CEDTRCK) record.

Default Value

Blank.

Possible Values

This field is blank if none of the card's track information is used.

Value	Description
1	Track 1
2	Track 2
3	Track 3

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Authorization Processor (AP).

Special Functions and Related Fields

ID, TRACK^NBR and SEQ-NBR make up the key to a Card Track Information (CEDTRCK) record.

SEQ^NBR

Logscan Name	Subfield of
trk^key^seq^nbr	TRACK^INFO^KEY

Description

The Sequence Number indicates the Card Track Information (CEDTRCK) record used by Primary Message Control (PMC). The Sequence Number in CEDTRCK specifies a search sequence if two or more records in a track location list have identical Track Number values.

Default Value

Blank.

Possible Values

This field is blank if none of the card's track information is used. Numeric value in the range of 0 to 9.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Authorization Processor (AP).

Special Functions and Related Fields

ID, TRACK^NBR and SEQ-NBR make up the key to a Card Track Information (CEDTRCK) record.

TRACK^1^2^IND

Logscan Name
trk^1^2^ind

Description

The Track 1 or 2 Indicator identifies the magnetic track located in the first of two track data fields in the FINIPC.

Default Value

Blank.

Possible Values

Value	Description
Blank	No track data
1	Track 1
2	Track 2

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

- TRACK^1^DATA
- TRACK^2^DATA

TRACK^1^DATA

Logscan Name
trk^1^2

Description

The Track 1 Data indicates the information encoded on track 1 if the Track 1 or Track 2 Indicator specifies Track 1. The longitudinal redundancy check value along with beginning and ending sentinels are not used.

Default Value

Blank.

Possible Values

Track 1. If Track 1 is not present, this field is blank.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

TRACK^1^2^IND

TRACK^2^DATA

Logscan Name	Redefine of
trk^1^2	TRACK^1^DATA

Description

The Track 2 Data indicates the information encoded on Track 2 if the Track 1 or Track 2 Indicator specifies Track 2. The longitudinal redundancy check value and the beginning and ending sentinels are not used.

Default Value

Blank.

Possible Values

Track 2. If Track 2 is not present, this field is blank.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

TRACK^1^2^IND.

TRACK^3^2^IND

Logscan Name
trk^3^2^ind

Description

The Track 3 or 2 Indicator indicates the magnetic track located in the second of two track data fields in the FINIPC.

Default Value

Blank.

Possible Values

Value	Description
Blank	No track data
3	Track 3
2	Track 2

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

- TRACK^3^DATA
- TRACK^2^DATA

TRACK^3^DATA

Logscan Name
trk^3^2

Description

The Track 3 Data indicates the information encoded on Track 3 if the Track 3 or Track 2 Indicator specifies Track 3. The longitudinal redundancy check value and the beginning and ending sentinels are not used.

Default Value

Blank.

Possible Values

Track 3. If Track 3 is not present, this field is blank.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

TRACK^3^2^IND.

TRACK^2^DATA

Logscan Name	Redefine of
trk^3^2	TRACK^3^DATA

Description

The Track 2 Data indicates the information encoded on Track 2 if the Track 3 or Track 2 Indicator specifies Track 2. The longitudinal redundancy check value and the beginning and ending sentinels are not used.

Default Value

Blank.

Possible Values

Track 2. If Track 2 is not present, this field is blank.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

TRACK^3^2^IND.

GREETING^NAME

Logscan Name
greeting^name

Description

The Greeting Name indicates the cardholder's name stored in the parent file of the Authorization Processor. This information is returned to the Terminal Handler for screen and/or receipt printing. An instruction in the AP parameter file controls the placement of the cardholder's name in this field. The Greeting Name is not support by standard AP and TH code.

Default Value

Blank.

Possible Values

A 20-character name using the format: LAST/FIRST/MI/TITLE/SUFFIX

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Terminal Handler (TH).

USAGE^UPD^FLAG^9

Logscan Name
us^upd^flg^9

Description

This flag, the usage update flag, and the usage update amount type used to support stand-in approval or denial and update usage buckets. The values for this one-bit character field represent bit positions rather than actual values. The valid bits and the action taken if the bit is set on are described here:

Bit	Bit Define Name	Description
all zeros		Use default usage information
8	check^aggregate^limit	Check aggregate usage limit
9	update^aggregate^limit	Update aggregate usage
10	aggregate ^pfv^limit	Check and update aggregate usage limit
8 and 9	use^aggregate^limit	Check and update aggregate usage limit

Default Value

Binary zeros.

Initially Set By

Primary Message Control (PMC).

Modified By

Full Velocity Server.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

- USAGE^UPD^FLAG
- PFV^LIMIT^FLAG
- USAGE^UPD^AMT^TYPE

STANDIN^ACT

Logscan Name
standin^act

Description

The Stand-in Action indicates if a transaction is approved or denied using the stand-in logic of the Issuer Processor Interface.

Default Value

Blank.

Possible Values

Value	Description
Blank	Approve or deny the transaction using the default stand-in logic within the Issuer Processor Interface. The outcome depends on the value entered in the Stand-in Option field.
A	Approve the transaction unconditionally.
D	Deny the transaction unconditionally.
L	Approve or deny the transaction based on the appropriate limit determined by the transaction request type. The limit usage is updated if the transaction is approved.
R	Deny the transaction unconditionally using a referral action code.

Initially Set By

- Primary Message Control (PMC)
- POS Terminal Handler

Modified By

- Full Velocity Server
- Issuer Processor Interface (PI)

Used By

- Full Velocity Server
- Issuer Processor Interface (PI)

Special Functions and Related Fields

- STANDIN^ACT^CODE^APPROVE
- STANDIN^ACT^CODE^DENY
- STANDIN^OPT

STANDIN^ACT^CODE^APPROVE

Logscan Name
standin^act^appr

Description

The Stand-in Action Code for Approval indicates the action code used by the Issuer Processor Interface for stand-in logic if the code approves a transaction.

Default Value

Blank.

Possible Values

Value	Description
Blank	No approval code specified
000	Approved unconditionally
001	Honour with identification
002	Approved for partial amount
003	Approved (VIP)
004	Approved, update track 3
005	Approved, account type specified by card issuer
006	Approved for partial amount, account type specified by card issuer
007	Approved, for update ICC

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Full Velocity Server
- Issuer Processor Interface (PI)

Special Functions and Related Fields

ACT^CODE.

STANDIN^ACT^CODE^DENY

Logscan Name
standin^act^deny

Description

The Stand-in Action Code for Denial indicates the action code used by the Issuer Processor Interface for stand-in logic if the code denies a transaction.

Default Value

Blank.

Possible Values

Any Denial Action Code defined by the ISO 8583 Codes Maintenance Agency.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Full Velocity Server
- Issuer Processor Interface (PI)

Special Functions and Related Fields

ACT^CODE.

STANDIN^OPT

Logscan Name
standin^opt

Description

The Stand-in Option indicates the set of rules the Issuer Processor Interface uses during stand-in transaction processing.

Default Value

Zero.

Possible Values

Value	Description
0	No stand-in processing, transaction unconditionally denied.
1	Stand-in processing using standard negative file check and limits processing.
2	Stand-in processing using PI Stand-in Override rules.
3	Stand-in processing using customer-unique rules.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Full Velocity Server
- Issuer Processor Interface (PI)

STANDIN^LIM[0:8]

Logscan Name
standin^lim

Description

The Stand-in Limit indicates the maximum amount the cardholder is allowed in nine categories if the Processor Interface performs stand-in for the transaction request on behalf of the Issuer. The nine cardholder limits are listed here:

Limits	Description
0	Cash withdrawal limit
1	Cash advance limit
2	Debit purchase limit
3	Credit purchase limit
4	Cash limit
5	Purchase limit
6	Debit activity limit
7	Credit activity limit
8	Aggregate limit

Default Value

Zero.

Possible Values

Any numerical value in the range of 0 to 9223372036854775807.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Full Velocity Server

- Issuer Processor Interface (PI)

USAGE^UPD^FLAG

Logscan Name
us^upd^flg

Description

The Usage Update Flag is used with the usage^upd^flag^9 and the usage^upd^amt^type to support stand-in approval or denial and update usage bucket. The bit settings and descriptions for the two-bit binary field are described here:

Bit	Bit Define Name	Description
all zeros		Use default usage information
0	check^cash^withdrawal^limit	Check cash withdrawal usage limit
1	update^cash^withdrawal^limit	Update cash withdrawal usage
2	check^cash^advance^limit	Check cash advance usage limit
3	update^cash^advance^limit	Update cash advance usage
4	check^debit^purchase^limit	Check debit purchase usage limit
5	update^debit^purchase^limit	Update debit purchase usage
6	check^credit^purchase^limit	Check credit purchase usage limit
7	update^credit^purchase^limit	Update credit purchase usage
8	check^cash^limit	Check cash usage limit
9	update^cash^limit	Update cash usage
10	check^purchase^limit	Check purchase usage limit
11	update^purchase^limit	Update purchase usage
12	check^debit^activity^limit	Check debit activity usage limit
13	update^debit^activity^limit	Update debit activity usage
14	check^credit^activity^limit	Check credit activity usage limit
15	update^credit^activity^limit	Update credit activity usage
0 and 1	use^cash^withdrawal^limit	Check and update withdrawal usage limit
2 and 3	use^cash^advance^limit	Check and update cash advance usage limit

Bit	Bit Define Name	Description
4 and 5	use^debit^purchase^limit	Check and update debit purchase usage limit
6 and 7	use^credit^purchase^limit	Check and update credit purchase usage limit
8 and 9	use^cash^limit	Check and update cash usage limit
10 and 11	use^purchase^limit	Check and update purchase usage limit
12 and 13	use^debit^activity^limit	Check and update debit activity usage limit
14 and 15	use^credit^activity^limit	Check and update credit activity usage limit

Default Value

Binary zeros.

Initially Set By

Primary Message Control (PMC).

Modified By

Full Velocity Server.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

- USAGE^UPD^FLAG^9
- USAGE^UPD^AMT^TYPE

USAGE^UPD^AMT^TYPE[0:8]

Logscan Name
us^upd^typ

Description

The Usage Update Amount Type indicates the amount field for the transaction used to check and/or update the nine possible cardholder limits. Check or update a limit for a transaction request if the Processor Interface performed stand-in for the Issuer. The nine cardholder limits are listed here:

Limit	Description
0	Cash withdrawal limit
1	Cash advance limit
2	Debit purchase limit
3	Credit purchase limit
4	Cash limit
5	Purchase limit
6	Debit activity limit
7	Credit activity limit
8	Aggregate limit

Default Value

Zero.

Possible Values

Value	Description
0	No amount field, the limit is not checked or updated.
1	Use issuer reconciliation amount field of primary route.
2	Use cash amount occurrence of amount's additional request.
3	Use goods and services amount occurrence for amount's additional request.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Full Velocity Server
- Issuer Processor Interface (PI)

Special Functions and Related Fields

- USAGE^UPD^FLAG^9
- USAGE^UPD^FLAG
- PFV^LIMIT^FLAG

TSAP^IDX

Logscan Name
tsap^idx

Description

The Transport Services Access Point Index indicates if responses are matched to the original requests.

Default Value

Zero.

Possible Values

Any numerical value in the range of 0 to 2147483647.

Initially Set By

- Acquirer Processor Interface (PI)
- Point of Sale (POS) Terminal Handler
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Point of Sale (POS) Terminal Handler
- Terminal Handler (TH)

TSAP^MSG^SEQ^NBR

Logscan Name
tsap^msg^nbr

Description

The Transport Services Access Point Message Sequence Number indicates the internal communications handler request sequence number used to keep the communications handler in sync with the Interface Processor or Terminal Processor. This number is also used as a true/false (1/0) value to indicate if the response is sent back to the acquirer using the same link that the original request was received on.

Default Value

Zero.

Possible Values

Any numerical value in the range of 0 to 32767

Initially Set By

- Acquirer Processor Interface (PI)
- POS Terminal Handler
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- POS Terminal Handler
- Terminal Handler (TH)

FLOOR^LIM^ACQR

Logscan Name
flr^lmt^acq

Description

The Acquirer Floor Limit indicates the transaction amount below which an Issuer Processor Interface unconditionally performs stand-in for the issuer (if stand-in is allowed) using the floor limit processing option. This value is predetermined by the acquiring institution and represents the maximum amount that the acquirer accepts during stand-in. This value and the Issuer Floor Limit determine the maximum stand-in amount allowed.

Default Value

Zero.

Possible Values

Any numerical value in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

FLOOR^LIM^ISSR.

FLOOR^LIM^ISSR

Logscan Name
flr^lmt^iss

Description

The Issuer Floor Limit defines the transaction amount below which an Issuer Processor Interface unconditionally performs stand-in for the issuer (if stand-in is allowed) using the floor limit processing option. This value is predetermined by the cardholder institution and represents the maximum amount that the issuer allows during stand-in. This value and the Acquirer Floor Limit determine the maximum stand-in amount allowed.

Default Value

Zero.

Possible Values

Numerical value in the range of 0 to 9223372036854775807.

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

FLOOR^LIM^ACQR.

SEND^ADV^OPT

Logscan Name
send^adv^opt

Description

The Send Advice Option indicates if advice and/or notification (excluding reversals) is sent to the Issuer. Advices and/or notifications are generated by the acquirer or Connex™ on HP NonStop software and notify the receiver if any action is taken on their behalf.

Default Value

Zero.

Possible Values

Value	Description
0	Send all advices and notifications to the Issuer.
1	Send only approval advices and notifications to the Issuer
2	Never send an advice or notification to the Issuer
3	Only send approved plus Bad PIN advices
4	Only send approved plus PIN Tries Exceeded advices
5	Only send approved plus CVV failure advices
6	Only send approved plus Fraud System failure advices.

Initially Set By

- POS Terminal Handler
- Primary Message Control (PMC)
- Voice Authorization Entry

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

ONLINE^FEE^GRP

Logscan Name
online^fee^grp

Description

The Online Fee Group indicates the terminal group element as the key to a CED fees file record. This value with the issuer group element of the CED route record and the transaction's currency code are assess the online fees defined in the CED fees file.

Default Value

Blank.

Possible Values

Up to eight characters corresponding to an entry in the CEDOFEE file.

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

SERV^FEE^GRP

Logscan Name
serv^fee^grp

Description

The Service Fee Group indicates the value in the Service Fee Group field from the CEDTERM or CEDINTR record. This value is not defined by the Connex™ on HP NonStop system, but is used by customer settlement systems.

Default Value

Zero.

Possible Values

Any numerical value in the range of 00 to 99.

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)
- Terminal Handler (TH)
- Voice Authorization Entry

Modified By

Not modified.

Used By

Not used.

AUTH^RQST^TIMER

Logscan Name
No Logscan Name

Description

The Authorization Request Timer indicates the length of time that the acquirer process waits for a response from any transaction request. All transaction requests are timed by the Issuer Processor Interface using the lesser time frame of this field or the Issr Response Time field from the Issuer Processor Interface configuration record. The Request Received From Acquirer Milestone field is the beginning time used to time-out transaction requests.

Default Value

Zero.

Possible Values

Any numerical value in the range of 0 to 9999 (seconds).

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)
- Terminal Handler (TH)
- Voice Authorization Entry

Modified By

Primary Message Control (PMC).

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)

RESP^ACK^TIMER

Logscan Name
resp^ack^tim

Description

The Response ACK Timer indicates the length of time that the Acquirer Processor Interface requires to deliver a response to the transaction origination point.

Default Value

Zero.

Possible Values

Any numerical value in the range of 0 to 9999 (seconds).

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)

DEST^ROUTE^OPT

Logscan Name
dest^rte^opt

Description

The Destination Route Option indicates if destination routing is available for the transaction and any other routing methods used if destination routing fails.

Default Value

Zero.

Possible Values

Value	Description
0	Destination routing is allowed. If routing fails, other routing methods are used.
1	Destination routing is allowed but requires a match using the Source Route ID field. If routing fails, other routing methods are used.
2	Destination routing is required. If routing fails, the transaction is denied.
3	Destination routing requires the use of the Source Route ID field. If routing fails, the transaction is denied.
4	Destination routing is not allowed. Other routing methods are used.

Initially Set By

- Merchant Host Process (MH)
- Terminal Handler (TH)
- Voice Authorization Entry

Modified By

Not modified.

Used By

Primary Message Control (PMC).

DIR^ROUTE^OPT

Logscan Name
dir^rte^opt

Description

The Direct Route Option indicates if direct routing is available for the transaction and if other routing methods are used if direct routing fails.

Default Value

Zero.

Possible Values

Value	Description
0	Direct routing is allowed. If routing fails, other routing methods used.
1	Direct routing is required. If routing fails, the transaction is denied.
2	Direct routing is not allowed. Other routing methods are used.

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

PIN^DATA^FORMAT

Logscan Name
pin^data^fmt

Description

The Personal Identification Number (PIN) Data Format indicates the format of the PIN data that is passed through the Connex™ on HP NonStop system. This value also indicates how the PIN data is presented.

Default Value

Zero.

Possible Values

Value	Description
-1	No PIN
0	In the clear; no conversion or encryption
1	ANSI PIN block format using the left-most digits of the PAN
2	ANSI PIN block format using the right-most digits of the PAN, including the check digit
3	ANSI PIN block format using the right-most digits of the PAN, excluding the check digit
4	PIN padded with F's PIN block format
5	IBM 3624 PIN block format
6	Docutel unpacked PIN block format
7	Docutel packed PIN block format
8	ANSI PIN block format
9	Unknown, passed through as received

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Terminal Handler (TH)
- Voice Authorization Entry

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

PIN^RESULT

Logscan Name
pin^result

Description

The PIN Result indicates if the PIN was verified by the terminal or the Connex™ on HP NonStop system, and if the PIN is valid. If the PIN is verified by the Cardholder institution, the PIN^RESULT displays as Not Verified.

Default Value

Zero.

Possible Values

Value	Description
-2	Verified by the Connex™ on HP NonStop system and valid
-1	Verified by the terminal and valid
0	Not verified
4	Verified by the Connex™ on HP NonStop system and invalid
5	Invalid PIN length
6	Invalid PIN block
8	Invalid PIN missing data
20	Verified by the terminal and invalid

Initially Set By

- Acquirer Processor Interface (PI)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Full Velocity Server
- Issuer Processor Interface (PI)

MAX^PIN^TRIES

Logscan Name
max^pin^try

Description

The Maximum PIN Tries indicates the maximum number of times the cardholder can enter an invalid PIN and not enter a valid PIN before the card is eligible for capture.

Default Value

Zero.

Possible Values

Any numerical value in the range of 0 to 99.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

- Authorization Processor (AP)

- Full Velocity Server
- Issuer Processor Interface (PI)

PMC^ERROR

Logscan Name
pmc^err

Description

The PMC Error indicates the error location code returned by Primary Message Control during the request process. The error values are returned in hexadecimal format in this integer field. Refer to [“PMC Errors” on page 603](#) for a list and description of the different errors.

Default Value

Zero.

Possible Values

Hexadecimal values ranging from 0000 to FFFF. The special value, FFFF, indicates that PMC found the transaction OK; no errors.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used.

PREAUTH^COMPLETION^OPT

Logscan Name
preauth^comp^opt

Description

The Pre-authorization Completion Option indicates the process to complete a pre-authorization transaction. If the transaction is a completed pre-authorization, the field indicates that transaction type.

Default Value

Zero.

Possible Values

Value	Description
0	No electronic completion of preauthorization
1	Complete with a replacement authorization request
2	Complete with a replacement authorization advice
3	Complete with a replacement authorization notification
4	Complete with a previously authorized authorization request
5	Complete with a previously authorized authorization advice
6	Complete with a previously authorized authorization notification

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Not used.

SEGMENT^LOG^OPT^ACQR

Logscan Name
seg^opt^acq

Description

The Acquirer Segment Logging Option indicates the internal financial message segments the acquirer records to the activity log file. This field and the Issuer Segment Logging Option field determine the internal financial message segments written to the log file.

Default Value

Zero.

Possible Values

Defaults to the system logging level for all segments.

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

The Logger.

SEGMENT^LOG^OPT^ISSR

Logscan Name
seg^opt^iss

Description

The Issuer Segment Logging Option indicates the internal financial message segments the issuer records to the activity log file. This field and the Acquirer Segment Logging Option determine the internal financial message segments written to the log file.

Default Value

Zero.

Possible Values

Defaults to the system logging level for all segments.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

The Logger.

NETWORK^ID^DIR^ROUTE

Logscan Name
net^id^dir^rte

Description

The Direct Route Network ID indicates the Network ID specified by the acquirer as the direct route used for transaction processing. Primary Message Control uses this field to determine the transaction route.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified

Used By

Primary Message Control (PMC).

PFV^LIMIT^FLAG

Logscan Name
pfv^limit^flag

Description

This flag indicates the limit checks performed by the Full Velocity PI server if the PI performs stand-in for the issuer. This one-bit character field uses representative bit positions rather than actual values. The valid bits and the actions performed are described here:

Bit	Bit Define Name	Description
all zeros		Use default usage information
8	cash^withdrawal^pfv^limit	Check and update cash withdrawal usage limit
9	cash^advance^pfv^limit	Check and update cash advance usage limit
10	debit^purchase^pfv^limit	Check and update debit purchase usage limit
11	credit^purchase^pfv^limit	Check and update credit purchase usage limit
12	cash^pfv^limit	Check and update cash usage limit
13	purchase^pfv^limit	Check and update purchase usage limit
14	debit^activity^pfv^limit	Check and update debit activity usage limit
15	credit^activity^pfv^limit	Check and update credit activity usage limit

Default Value

Binary zeros.

Initially Set By

Primary Message Control (PMC).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

- USAGE^UPD^FLAG^9
- USAGE^UPD^FLAG
- USAGE^UPD^AMT^TYPE

Segment 03-Acquirer Data

CNX^DATA^FORMAT^ACQR

Logscan Name
data^font^acq

Description

The Acquirer Data Format indicates the code that identifies the specific process that acquired the transaction. This code defines the format of the data in the CNX^DATA^PRIV^ACQR field. This code also compares any like code for the acquiring interface to determine if the CNX^DATA^PRIV^ACQR field must be remapped and sent to the issuer or if the code is left in its current format.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^3 (in source module LOGSCUST) is set to true.

Default Value

Zero.

Possible Values

For a Terminal Handler the value will be > 499:

- ATM = 510
- POS = 501, 502, 505

Each PI has a unique value. The PI value is typically the same CNFG040 Format Code field, but refer to the specific PI workbook to verify the value.

Initially Set By

Acquirer process.

Modified By

Not modified.

Used By

The Issuer Processor Interface to determine if the acquiring and issuing processes are the same format.

Special Functions and Related Fields

CNX^DATA^PRIV^ACQR

CNX^DATA^PRIV^ACQR

Logscan Name
data^priv^acq

Description

The Acquirer Private Data indicates that the data from the acquired external message not recorded in other standard fields of the internal financial (FINIPC) message. Data in this field is formatted specifically for the acquirer and is identified by the code in CNX^DATA^FORMAT^ACQR. The data in this field is used:

- To create a response to the transaction request.
- To pass non-standard data to the issuer, whether remapped or in the same format as the acquirer.
- For batch reporting.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^3 (in source module LOGSCUST) is set to true.

Default Value

Blank.

Possible Values

Any combination of binary or character fields. The documentation for the specific acquiring process defines the format and content of this field.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

- Batch process

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

CNX^DATA^FORMAT^ACQR.

Segment 04-Issuer Data

CNX^DATA^FORMAT^ISSR

Logscan Name
data^frmt^iss

Description

The Issuer Data Format indicates the code used to identify the specific process linked to the issuer. This code defines the format of the data in the CNX^DATA^PRIV^ISSR field. This code also compares any like code for the acquiring interface to determine if the CNX^DATA^PRIV^ISSR field is remapped and sent to the acquirer or if the code is left in its current format.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^4 (in source module LOGSCUST) is set to true.

Default Value

Zero.

Possible Values

Each PI has a unique value. The PI value is typically the same CNFG040 Format Code field, but refer to the specific PI workbook to verify the value.

Initially Set By

Issuer process.

Modified By

Not modified.

Used By

The Acquirer to determine if the acquiring and issuing processes are the same format.

Special Functions and Related Fields

CNX^DATA^PRIV^ISSR.

CNX^DATA^PRIV^ISSR

Logscan Name
data^priv^iss

Description

The Issuer Private Data indicates data taken from the issuer external message that is not recorded in other standard fields of the internal financial (FINIPC) message. Data in this field is formatted specifically for the issuer identified by the CNX^DATA^FORMAT^ISSR code. The data in this field is used to:

- Create a reversal.
- Pass non-standard data to the acquirer, if remapped or in the same format as the issuer.
- Process batch reporting.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^4 (in source module LOGSCUST) is set to true.

Default Value

Blank.

Possible Values

Any combination of binary or character fields. The documentation for the specific issuing process defines the format and content of this field.

Initially Set By

- Issuer Processor Interface (PI)
- Authorization Processor (for standalone processing)

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

Special Functions and Related Fields

CNX^DATA^FORMAT^ISSR.

Segment 05-Additional Response Amounts

ACCT^TYPE

Logscan Name	Subfield of
adtl^resp^acct^typ	AMTS^ADTL^RESP[0:5]

Description

The Account Type is the first of five subfields in each of the six occurrences of Additional Response Amounts. This two-character field describes the type of account associated with AMT (fourth subfield) for a specific occurrence of Additional Response Amounts.

Default Value

Blank.

Possible Values

Refer to [“Acct^Type” on page 550](#).

Initially Set By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

AMT.

AMT^TYPE

Logscan Name	Subfield of
adtl^resp^amt^typ	AMTS^ADTL^RESP[0:5]

Description

The Amount Type is the second of five subfields in each of the six occurrences of Additional Response Amounts. This two-character field describes the type of amount contained in AMT (fourth subfield) for a specific occurrence of Additional Response Amounts.

Default Value

Blank.

Possible Values

Refer to [“Amt^Type” on page 551](#).

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

- Issuer Processor Interface (PI)

Special Functions and Related Fields

AMT.

CUR^CODE

Logscan Name	Subfield of
adtl^resp^cur^code	AMTS^ADTL^RESP[0:5]

Description

The Currency Code is the third of five subfields in each of the six occurrences of Additional Response Amounts. This three-character field defines the currency of AMT (fourth subfield) for a specific occurrence of Additional Response Amounts.

Default Value

Blank.

Possible Values

Any currency code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

AMT.

AMT

Logscan Name	Subfield of
adtl^resp^amt	AMTS^ADTL^RESP[0:5]

Description

The Amount is the fourth of five subfields in each of the six occurrences of Additional Response Amounts. These additional amounts are returned at the discretion of the issuer or authorizer and provide information about account balance or the authorized amount.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

ACCT^IDX

Logscan Name	Subfield of
adtl^resp^idx	AMTS^ADTL^RESP[0:5]

Description

The Account Index is the fifth of five subfields in each of the six occurrences of Additional Response Amounts. This subfield indicates if the account number field corresponds to AMT (the fourth subfield) for a specific occurrence of Additional Response Amounts.

Default Value

Zero.

Possible Values

Refer to [“Acct^Idx” on page 553](#).

Initially Set By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Modified By

Terminal Handler (TH)

The TH adds 10 to the Additional Response Amounts index when it has formatted, for printing, the amount. This tags the amount occurrence as having been processed preventing it from being printed twice.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

AMT.

Segment 06-Authorization Processor Data

AP^CARD^GRP

Logscan Name
ap^crd^grp

Description

The Authorization Processor (AP) Card Group indicates the cardholder is a member of a specific group of cards associated with the card issuer. Parameters for this card group define the transaction processing.

Default Value

Blank.

Possible Values

The AP Card Group is extracted from the CED Card Options (CEDCOPT) record if transaction routing is determined using one of the card base oriented routing methods and the AP Primary or AP Alternate processing information in the CED Routing (CEDROUT) record.

Initially Set By

- AHL940
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

- Authorization Processor (AP) determines the set of rules used to process this transaction.
- Fraud Detection

AP^PROCESS^ID

Logscan Name
ap^proc^id

Description

The AP Process ID indicates the name of the APEX process that the transaction is routed to for authorization.

Default Value

Blank.

Possible Values

The AP Process Name taken from the CED Card Base (CEDCBAS) record if transaction routing is determined using one of the card base routing methods and the AP Primary or AP Alternate processing information in the CED Routing (CEDROUT) record.

Initially Set By

- AHL940
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)
- Issuer Processor Interface (PI)

AP^RULE^ID

Logscan Name
ap^rule^id

Description

The AP Rule ID field is not used.

Default Value

Blank.

Possible Values

Blank.

Initially Set By

Not set.

Modified By

Not modified.

Used By

Not used.

AP^DATA

Logscan Name
ap^data

Description

The AP Data is used by the Authorization Processor to determine and control several aspects of transaction processing for both the current and future transactions for the cardholder. These processing attributes are identified by one or more of the characters in this eight-byte field.

Default Value

None.

Possible Values

Bytes 0-1 identify the method used for transaction processing.

Bytes 0-1	Description
OF	Offline transaction (AP is standalone or the host Cooperative processor was down)
ON	Online transaction (Host Cooperative mode)

Bytes 0-2 identify the type of account that is the source of funds or the designated From Account for an Open Account Relationship (OAR) transaction. (The above OF/ON is overlaid.)

Bytes 3-5 identify the type of account that is the designated To Account for a transfer transaction.

Bytes 0-2	Description
DDA	Demand Deposit Account
SAV	Savings Account
CRD	Credit Account
OTH	All other accounts
ALL	All accounts
NPR	All non-primary accounts

Byte 6 is used internally by AP to identify an error situation. The possible values are significant only in the AP processing context.

Byte 7 is used to request that balance information be returned or to control current and future fraud detection processing.

Byte	Description
B	Balance requested. No fraud detected.
I	Fraud: In-Auth performed. Post-Auth eligible.
P	Fraud: No In-Auth performed. Post-Auth eligible.
E	Fraud: In-Auth performed. Host Up. Post-Auth eligible.
A	Fraud: No In-Auth performed. Host Up. Post-Auth eligible.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)
- Authorization Processor (AP)

Modified By

Authorization Processor (AP).

Used By

Authorization Processor (AP).

Special Functions and Related Fields

- Open Account Relationship (OAR)
- Fraud Detection

AP^APPROVAL^CODE

Logscan Name
ap^approval^code

Description

The AP Approval Code is assigned by AP to authorize a pre-authorization transaction that is copied into the Approval Code field by AP. In a cooperative authorization flow, the host assigns an approval code to overlay the original value copied by AP into the Approval Code field.

The value copied by AP to the Approval Code field remains and allows AP to update any hold placed by the original approval with the host's approval as the authorization passes from the host back into the system. AP is able to match and remove the hold at the time that message processing is complete. The Approval Code field, not the value copied by AP, is returned by the acquirer if the pre-authorization is complete.

Default Value

Blank.

Possible Values

Any set of alphanumeric characters that are left-justified and space filled.

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Authorization Processor (AP).

AP^REJ^REASON^CODE

Logscan Name
ap^rej^reas^code

Description

The AP Reject Reason Code indicates the standard AP reject condition.

Default Value

Zero.

Possible Values

Values 0 through 59 are listed in APOLITS.

Value	Description
1	A HP NonStop Guardian System error occurred. The specific error is found in the AP^ERROR^NBR field.
2	A software error occurred. The specific error number is found in the AP^ERROR^NBR field.

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Analyst investigating an error situation.

Special Functions and Related Fields

AP^ERROR^NBR.

AP^ERROR^TRACE^LOC

Logscan Name
ap^err^trc^loc

Description

The AP Error Trace Location indicates the point that the program encountered an error condition in the code.

Default Value

Zero.

Possible Values

The octal P-register address.

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Analyst investigating an error situation.

AP^ERROR^NBR

Logscan Name
ap^err^nbr

Description

The AP Error Number indicates the Guardian or AP software error encountered during transaction processing.

Default Value

Zero.

Possible Values

Code	Description
AP^REJ^REASON^CODE = 1	Any valid HP NonStop Guardian error number.
AP^REJ^REASON^CODE = 2 (software error)	Values 0 through 91 (listed in APOLITS)

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

Analyst investigating an error situation.

Special Functions and Related Fields

AP^REJ^REASON^CODE.

AP^FILE^NBR

Logscan Name
ap^fle^nbr

Description

The AP File Number indicates the instruction number of the AP processing procedure if a software error occurred.

Default Value

Zero.

Possible Values

Values 0 through 45 (add 1000 to this number for Commit type actions). The definition of an instruction number is determined by its use as an index in the CASE statement of APOSR100. To determine if the procedure was executed using APPC, issue the MAINT INST command and scroll through the instructions until the instruction number displays.

Initially Set By

Authorization Processor (AP).

Modified By

Not modified.

Used By

The analyst investigating an error situation.

Segment 07-Additional Response Data

ADTL^RESP^DATA

Logscan Name
adtl^resp^data

Description

The Additional Response Data indicates other data required for the authorization. For example, telephone number. This additional data is returned at the discretion of the issuer.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^7 (in source module LOGSCUST) is set to true.

Default Value

Blank.

Possible Values

Any alphanumeric or special characters.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Segment 08-Transaction Unique Data

FORMAT

Logscan Name	Subfield of
uniq^frmt	TRAN^UNIQ^DATA

Description

The Format is the first of two subfields for Transaction Unique Data and specifies the type of information included in the remainder of Segment 8. This transaction-unique information is stored in one or more of the four redefines of the INFO subfield.

Default Value

Blank.

Possible Values

Format	Description	INFO Redefine PIN^CHG	INFO Redefine AVS	INFO Redefine e CVV2	INFO Redefine CNX^INFO	INFO Redefine TRACK1^ NAME^RE SULT	INFO Redefine CCD
Blank					X		
AR	AVS Result		X	X	X	X	
AV	AVS Data		X	X	X	X	
CR	CVV2 Result		X	X	X	X	
CV	CVV2 Data		X	X	X	X	
NP	New PIN	X			X		
UM	MICR not formatted				X		
VR	CAVV Result only				X		
TN	Track1 Name Result					X	
DC	dCVV Result						X
AT	ATC Result						X

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Primary Message Control (PMC)
- Authorization Processor (AP)
- Terminal Handler (TH)

Special Functions and Related Fields

INFO.

INFO

Logscan Name	Subfield of
unique^info	TRAN^UNIQ^DATA

Description

The Info is the second of two subfields for Transaction Unique Data and includes information unique to a specific type of transaction. This 98-character field is used and interpreted using one or more of the four redefines. Valid redefines are determined by the code in the FORMAT field.

Redefine	INFO Bits Redefined	Redefine Formats
PIN^CHG	0-17	NP
AVS	0-29	AR, AV, CR, CV, TN
CVV2	30-37	AR, AV, CR, CV, TN
CNX^INFO	55-97	All
TRACK1^NAME	41	TN
CCD	42-43	DC, AT

Format	INFO Bits as Native Data	Description
Blank	0-54	
AR	38-54	AVS Result
AV	38-54	AVS Data
CR	38-54	CVV2 Result
CV	38-54	CVV2 Data
NP	18-54	New PIN
UM	0-54	MICR not formatted
DC	42	Contactless Result Code
AT	43	ATC Validation Result

Default Value

Blank.

Possible Values

Any combination of alphanumeric and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- AHL940
- Primary Message Control (PMC)
- Authorization Processor (AP)
- Terminal Handler (TH)

Special Functions and Related Fields

FORMAT.

NEW^PIN^DATA^FORMAT

Logscan Name	Subfield of
uniq^new^pin^frmt	PIN^CHG

Description

The New PIN Data Format indicates the format of the NEW^PIN^DATA field as it passes through the Connex™ on HP NonStop system.

Default Value

Blank.

Possible Values

Value	PIN Block Format
0	PIN in the clear
1	ANSI using left-most digits of the PAN
2	ANSI using right-most digits of the PAN, including check digit
3	ANSI using right-most digits of the PAN, excluding check digit
4	PIN padded with F's
5	IBM 3624
6	Docutel unpacked
7	Docutel packed
8	ANSI
9	Unknown, passed through as received

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- AHL940

- Primary Message Control (PMC)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Special Functions and Related Fields

NEW^PIN^DATA.

NEW^PIN^DATA

Logscan Name	Subfield of
never displayed	PIN^CHG

Description

The New PIN Data indicates the newly selected Personal Identification Number (PIN) using the format defined by NEW^PIN^DATA^FORMAT.

Default Value

Blank.

Possible Values

Any combination of alphabetic, numeric, and special characters.

Initially Set By

- Acquirer Processor Interface
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- AHLSR940
- Primary Message Control (PMC)
- Authorization Processor (AP)
- Issuer Processor Interface
- Terminal Handler (TH)

Special Functions and Related Fields

NEW^PIN^DATA^FORMAT.

ADDR

Logscan Name	Subfield of
avs^address	AVS

Description

The Address indicates the portion of the cardholder's address used by the Address Verification Service (AVS) for mail and telephone order transactions.

Default Value

Blank.

Possible Values

Any combination of alphanumeric and special characters.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Not used.

RESULT^CODE

Logscan Name	Subfield of
avs^result	AVS

Description

The Result Code indicates the results of the verification service offered by VISA® for mail and telephone order transactions.

Default Value

Blank.

Possible Values

Result	Description
A	Street codes match. Zip codes do not match.
E	Address extracted from inbound message includes invalid characters, etc.
N	Street codes do not match. Zip codes do not match.
R	Retry, system unable to process.
S	Currently not supported.
U	Not enough information to verify address.
W	Street codes do not match. Nine-digit ZIP codes match.
X	Street codes match. Nine-digit ZIP codes match.
Y	Street codes match. Five-digit ZIP codes match.
Z	Street codes do not match. Five-digit ZIP codes match.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Not used.

RESULT^ACQR

Logscan Name	Subfield of
cvv2^result^acqr	CVV2

Description

The Acquirer Result is a one-character code that indicates the status of CVV2 processing at the acquirer level.

Default Value

Blank.

Possible Values

Result	Description
M	Match
N	No match
P	Not processed
S	Not on card
U	No keys, not certified or both

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

RESULT^ISSR

Logscan Name	Subfield of
cvv2^result^issr	CVV2

Description

The Issuer Result is a one-character code that indicates the status of CVV2 processing at the issuer level.

Default Value

Blank.

Possible Values

Result	Description
M	Match
N	No match
P	Not processed
S	Not on card
U	No keys, not certified or both

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Not used.

PRESENCE^IND

Logscan Name	Subfield of
cvv2^presence^ind	CVV2

Description

The Presence Indicator is a one-character code that indicates if the CVV2 appears in the transaction.

Default Value

Blank.

Possible Values

Value	CVV2 Condition
0	Not present
1	Present
2	Not legible
9	Not imprinted

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

RESPONSE^TYPE

Logscan Name	Subfield of
cvv2^response^type	CVV2

Description

The Response Type is a one-character code that indicates the information the transaction acquirer requires be returned.

Default Value

Blank.

Possible Values

Type	Response
0	Response Code only
1	Response Code and Result Code

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

VALUE^CODE

Logscan Name	Subfield of
cvv2^value^code	CVV2

Description

The Value Code indicates the actual one-digit to four-digit CVV2 value.

Default Value

Blank.

Possible Values

Any numeric characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

RESULT

Logscan Name	Subfield of
cavv^result	CAVV

Description

The Result indicates the result of CAVV verification by PMC.

Default Value

Blank.

Possible Values

Value	CVV2 Condition
Blank or not present	CAVV not present.
0	CAVV authentication results invalid.
1	CAVV failed validation-authentication.
2	CAVV passed validation-authentication.
3	CAVV passed validation-attempt, CAVV generated by issuer ACS.
4	CAVV failed validation-attempt, CAVV generated by issuer ACS.
5	Not currently used, reserved for future use.
6	CAVV not validated, issuer not participating in CAVV validation.
7	CAVV failed validation-attempt, CAVV generated by Visa® ACS.
8	CAVV passed validation-attempt, CAVV generated by Visa® ACS.
9	CAVV failed validation-attempt, CAVV generated by Visa® ACS, issuer ACS not available.
A	CAVV passed validation -attempt, CAVV generated by Visa® ACS, issuer ACS not available.
B	CAVV passed validation -information only, no liability shift.
C	CAVV was not validated-attempt.

Value	CVV2 Condition
E	CAVV data was missing.
F	CAVV data was not sent.
D	CAVV was not validated-authentication.
S	Static AAV- No verification needed.

Initially Set By

Primary Message Control(PMC).

Modified By

Not modified.

Used By

Issuer PI.

TRACK1^NAME^RESULT

Logscan Name	Subfield of
track1^name^result	INFO

Description

The Track1 Name Result Code indicates the result of the verification service offered by Track1 Name Match Solution.

Default Value

Blank.

Possible Values

Result	Description
P	Last name in FINIPC matches with the last name provided by host.
F	Last name in FINIPC does not match with the last name provided by the host.
N	No Track1 Names provided by host.

Result	Description
E	No Track1 data available in the FINIPC.
U	Unable to verify track1 name.
Space	Institution not participating in the Track1 Name Match Solution.

Initially Set By

Authorization Block Server.

Modified By

Not modified.

Used By

Primary Message Control (PMC).

ALT^CUT^CODE

Logscan Name	Subfield of
alt^cur^code	CNX^INFO

Description

The Alternate Currency Code indicates the three-digit country code for the EURO (978) or the EURO member country (i.e. In-Country) where the transaction was acquired.

- If the acquiring country code is EURO, then the EURO member country appears here.
- If the acquiring country code is the EURO member country, then EURO appears here.

Default Value

Blank.

Possible Values

Any currency code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)

- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

Special Functions and Related Fields

ALT^AMOUNT.

ALT^AMOUNT

Logscan Name	Subfield of
alternate^amt	CNX^INFO

Description

The Alternate Amount indicates the acquired transaction amount converted to the currency specified by ALT^CUR^CODE.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Primary Message Control (PMC).

Used By

Not used.

Special Functions and Related Fields

ALT^CUR^CODE.

AMT^TRAN

Logscan Name	Subfield of
orig^rqst^amt^tran	CNX^INFO.AMTS^ORIG^RQST

Description

The Transaction Amount indicates the original requested amount for a reversal of a transaction that was approved for an amount that is different from the amount requested. This field maintains the information from the original request.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

AMT^RECON^ACQR

Logscan Name	Subfield of
orig^rqst^amt^recon^acqr	CNX^INFO.AMTS^ORIG^RQST

Description

The Acquirer Reconciliation Amount indicates the original acquirer reconciliation amount for a reversal of a transaction that was approved for an amount that is different from the amount requested. This field maintains the information from the original request.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

AMT^CARD^BILL

Logscan Name	Subfield of
orig^rqst^card^bill	CNX^INFO.AMTS^ORIG^RQST

Description

The Cardholder Billed Amount indicates the original billed amount for a reversal of a transaction that was approved for an amount that is different from the amount requested. This field maintains the information from the original request.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

AMT^RECON^ISSR

Logscan Name	Subfield of
orig^rqst^amt^recon^issr	CNX^INFO.AMTS^ORIG^RQST

Description

The Issuer Reconciliation Amount indicates the original issuer reconciliation amount for a reversal of a transaction that was approved for an amount that is different from the amount requested. This field maintains the information from the original request.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

CONTACTLESS^RESULT^CODE

Logscan Name	Subfield of
contactless^result^code	TRAN^UNIQUE^DATA

Description

The Contactless Result Code is a one byte new field that indicates the Contactless Card Validation status.

Default Value

Blank.

Possible Values

Result	Description
Blank	Contactless Card Validation not attempted
1	Correct Validation Value
2	Incorrect Validation Value
3	Unable to Validate

Initially Set By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)

Modified By

Not modified

Used By

- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)

ATC^VALIDATION^RESULT

Logscan Name	Subfield of
atc^validation^result	TRAN^UNIQUE^DATA

Description

The ATC Validation Result is a one byte new field that indicates the ATC Validation status.

Default Value

Blank.

Possible Values

Result	Description
Blank	Contactless ATC validation not attempted
1	Valid ATC
2	ATC exceeds window
3	ATC not increasing in value
4	Edit check on Stored ATC

Initially Set By

- Primary Message Control (PMC)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)

Segment 09-Additional Request Amounts

ACCT^TYPE

Logscan	Subfield of
adtl^req^acct^typ	AMTS^ADTL^RQST[0:5]

Description

The Account Type is the first of five subfields in each of the six occurrences of Additional Request Amounts. This two-character field indicates the type of account associated with the AMT (the fourth subfield) for a specific occurrence of Additional Request Amounts.

Default Value

Blank.

Possible Values

Refer to [“Acct^Type” on page 550](#).

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)
- Authorization Processor (AP)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Special Functions and Related Fields

AMT.

AMT^TYPE

Logscan Name	Subfield of
adtl^req^amt^typ	AMTS^ADTL^RQST[0:5]

Description

The Amount Type is the second of five subfields in each of the six occurrences of Additional Request Amounts. This two-character field indicates the type of amount included in the AMT (the fourth subfield) for a specific occurrence of Additional Request Amounts.

Default Value

Blank.

Possible Values

Refer to [“Amt^Type” on page 551](#).

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)
- Authorization Processor (AP)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Special Functions and Related Fields

AMT.

CUR^CODE

Logscan Name	Subfield of
adtl^req^cur^code	AMTS^ADTL^RQST[0:5]

Description

The Currency Code is the third of five subfields in each of the six occurrences of Additional Request Amounts. This three-character field indicates the currency of the AMT (the fourth subfield) for a specific occurrence of Additional Request Amounts.

Default Value

Blank.

Possible Values

Any currency code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)
- Authorization Processor (AP)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Special Functions and Related Fields

AMT.

AMT

Logscan Name	Subfield of
adtl^req^amt	AMTS^ADTL^RQST[0:5]

Description

The Amount is the fourth of five subfields in each of the six occurrences of Additional Request Amounts. These additional amounts are returned at the discretion of the transaction acquirer and provide information on components of the transaction amount. For example, a tip or gratuity for service or other significant amount information.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)
- Authorization Processor (AP)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

ACCT^IDX

Logscan Name	Subfield of
adtI^req^idx	AMTS^ADTL^RQST[0:5]

Description

The Account Index is the fifth of five subfields in each of the six occurrences of Additional Request Amounts. This subfield indicates the account number field that corresponds to AMT (the fourth subfield) for a specific occurrence of Additional Request Amounts.

Default Value

Zero.

Possible Values

Refer to [“Acct^Idx” on page 553](#).

Initially Set By

- Acquirer Processor Interface (PI)

- Terminal Handler (TH)
- Authorization Processor (AP)

Modified By

Not modified.

Used By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Special Functions and Related Fields

AMT.

Segment 10-Bill Counters

NBR^ITEMS^DISP[0:7]

Logscan Name
nbr^item^disp

Description

The eight Number of Items Dispensed fields indicate the number of items dispensed from each of the eight possible canisters located in the ATM.

- If the transaction completes successfully, these fields include the amount that was actually dispensed.
- If a transaction is reversed, the fields in the original authorization message include only the amount that was requested by the Terminal Handler to be dispensed.

NOTE:

In a reversal message, these fields include the amount that was actually dispensed, and the Original Number of Items fields include the amount that the Terminal Handler requested to be dispensed.

Default Value

Zero.

Possible Values

Any positive number, limited by the maximum number of items the terminal canister can dispense, specified in the Terminal Canister Information record for the Network Terminal ID included in the message.

Initially Set By

Terminal Handler (TH).

Modified By

Terminal Handler (TH).

NOTE:

If a reversal is generated, these fields are copied to the corresponding Original Number of Items fields before being replaced with the counts that were actually dispensed from each canister.

Used By

Totals.

Special Functions and Related Fields

ORIG^NBR^ITEMS[0:7].

ITEM^VALUE[0:7]

Logscan Name

item^value

Description

The eight Item Value fields indicate the cash value of a single item in each of the eight possible canisters in the ATM. Each Item Value field includes a Unit Value from the Terminal Canister Information file associated with an ATM.

Default Value

Zero.

Possible Values

Values 0 through 9999999

Initially Set By

Terminal Handler (TH).

Modified By

Not modified.

Used By

Totals.

ORIG^NBR^ITEMS[0:7]

Logscan Name
orig^nbr^item

Description

The eight Original Number of Items to be Dispensed fields indicates the number of items requested by the Terminal Handler to be dispensed from each of the eight possible canisters located in the terminal if the message is a reversal. The Number of Items Dispensed fields include the actual number of items dispensed by the terminal from each of the eight possible canisters.

Default Value

Zero.

Possible Values

Any positive number, limited by the maximum number of items the terminal canister can dispense, specified in the Terminal Canister Information record for the Network Terminal ID and included in the message.

Initially Set By

Terminal Handler (TH).

Modified By

Terminal Handler. If a reversal is generated, the contents of the corresponding Number of Items Dispensed fields are copied to these fields.

Used By

Totals.

Special Functions and Related Fields

NBR^ITEMS^DISP[0:7].

Segment 11-Acquirer Reference Data

FORMAT

Logscan Name	Subfield of
acq^ref^frmt	REF^DATA^ACQR

Description

The Format field indicates the code for the specific process that acquired the transaction and specifies the format of the special trace and/or reference data located within the INFO field of Acquirer Reference Data.

Default Value

Blank.

Possible Values

Not all Terminal Handlers or Processor Interfaces set a value different than the field default of "0", but there are some deviations. The individual TH and PI workbooks should be consulted.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Authorization Processor (AP)

Special Functions and Related Fields

INFO.

INFO

Logscan Name	Subfield of
acq^ref^info	REF^DATA^ACQR

Description

The Information field indicates the special trace and/or reference data specified by the acquirer as a requirement for the issuer to provide in the subsequent transaction. Data in this field is formatted specifically for the acquirer identified by the FORMAT code.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^11 (in source module LOGSCUST) is set to true.

Default Value

Blank.

Possible Values

Any combination of binary or character fields. The documentation for the specific acquiring process defines the format and content of this field.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

FORMAT.

Segment 12-Issuer Reference Data

FORMAT

Logscan Name	Subfield of
iss^ref^frmt	REF^DATA^ISSR

Description

The Format field indicates the code for the specific issuing process that authorized the transaction and the format of the special trace and/or reference data included in the INFO field of Issuer Reference Data.

Default Value

Blank.

Possible Values

Not all Processor Interfaces set a value different than the field default of "0", but there are some deviations. The individual PI workbooks should be consulted.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

Special Functions and Related Fields

INFO.

INFO

Logscan Name	Subfield of
iss^ref^info	REF^DATA^ISSR

Description

The Information field indicates the special trace and/or reference data specified by the issuer as a requirement for the acquirer to provide in the subsequent transaction. Data in this field is formatted specifically for the issuer and identified by the FORMAT code.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^12 (in source module LOGSCUST) is set to true.

Default Value

Blank.

Possible Values

Any combination of binary or character fields. The documentation for the specific issuer process defines the format and content of this field.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

Special Functions and Related Fields

FORMAT.

Segment 13-Acquirer Settlement Currency

CUR^RECON^ACQR

Logscan Name
cur^recon^acq

Description

The Acquirer Reconciliation Currency Code field indicates the currency used by the acquirer for internal reconciliation and possible funds movement.

Default Value

Blank.

Possible Values

Any currency code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Primary Message Control (PMC).

DATE^CONV^ACQR

Logscan Name
date^conv^acq

Description

This field indicates the date that the conversion rate is effective to convert the transaction amount from the original currency to the acquirer's reconciliation currency. Logscan displays the month and day in using the MM-DD format.

Default Value

Blank.

Possible Values

Field	Value
MM	01 through 12
DD	01 through 31

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

- Primary Message Control (PMC)
- Acquirer Processor Interface (PI)

CONV^RECON^ACQR

Logscan Name
conv^recon^acqr

Description

The Acquirer Reconciliation Conversion Rate indicates the factor used to convert the transaction amount to the acquirer reconciliation amount. Logscan displays this field as eight contiguous digits and includes two sub-fields.

Subfield	Digit	Description
DES^POS	1	Defines the number of positions the decimal point must be moved left from the right-most digit of the Acquirer Reconciliation Conversion Rate. For example, <ul style="list-style-type: none"> A displayed rate of 91234567 represents the decimal value 0.001234567 A displayed rate of 81234567 represents the decimal value 0.01234567
RATE	2-8	Defines the seven significant digits of the Acquirer Reconciliation Conversion Rate without any decimal point indicated.

Default Value

Blank.

Possible Values

Subfield	Length	Value
DEC^POS	Digit 1	0 through 9
RATE	Digits 2-8	0000001 through 9999999

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

- Primary Message Control (PMC)
- Acquirer Processor Interface (PI)

AMT^RECON^ACQR

Logscan Name
amt^recon^acqr

Description

The Acquirer Reconciliation Amount indicates the funds transferred between the acquirer and the issuer. This amount is equal to the transaction amount in the currency of the reconciliation.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

- Primary Message Control (PMC)
- Acquirer Processor Interface (PI)

Segment 14-Issuer Settlement Currency

CUR^RECON^ISSR

Logscan Name	Subfield of
p^cur^recon^iss	PRIM^ROUTE^CX

Description

The Primary Issuer Reconciliation Currency indicates the currency used by the issuer for internal reconciliation and possible funds movement if the primary route is used for authorization. This information is always present but not used if PROCESSING^FLAG[3].<7>, "Auth^by^alt^route", is set to true. This indicates the transaction was processed by the alternate processor and not the primary processor.

Default Value

Blank.

Possible Values

Any currency code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

Primary Message Control (PMC) using the primary processor definition for the issuer in CEDROUT.

Modified By

Issuer Processor Interface (PI) if the transaction is externally settled and the issuer is a currency parent.

Used By

- Authorization Processor (AP)
- Merchant Host (MH)
- Primary Message Control (PMC)
- Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields.

PROCESSING^FLAG[3].<7>, “Auth^by^alt^route,” is true if this transaction was processed by the alternate processor and not the primary processor.

DATE^CONV^ISSR

Logscan Name	Subfield of
p^date^conv^iss	PRIM^ROUTE^CX

Description

The Primary Issuer Conversion Rate Date indicates if the CONV^RECON^ISSR rate is effective for converting the transaction amount from the original currency to the issuer's reconciliation currency. Logscan displays the month and day using the MM-DD format.

This information is present but not used if PROCESSING^FLAG[3].<7>, “Auth^by^alt^route”, is set to true. This indicates that this transaction was processed by the alternate processor and not the primary processor.

Default Value

Blank.

Possible Values

Field	Value
MM	01 through 12
DD	01 through 31

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI) modifies this field using currency information provided in the authorizer response if the issuer is a currency parent.

Used By

- Primary Message Control (PMC)
- Processor Interface (PI)

Special Functions and Related Fields

PROCESSING^FLAG[3].<7>, “Auth^by^alt^route”, is true if the transaction was processed by the alternate processor and not the primary processor.

CONV^RECON^ISSR

Logscan Name	Subfield of
p^conv^recon^iss	PRIM^ROUTE^CX

Owner

Transaction Authorizer.

Description

The Primary Issuer Reconciliation Conversion Rate indicates the factor used in the conversion of the transaction amount to an issuer reconciliation amount if the primary route is used for authorization. Logscan displays this field as eight contiguous digits and includes two sub-fields: DEC^POS and RATE.

Subfield	Description
DEC^POS	Digit one defines the number of positions the decimal point must be moved to the left from the right-most digit of the Primary Issuer Reconciliation Conversion Rate. Example: A displayed rate of 91234567 represents the decimal value 0.001234567, and 81234567 represents the decimal value of 0.0123456, and so forth.
RATE	Digits two through eight defines the seven significant digits of the Primary Issuer Reconciliation Conversion Rate without any decimal point indicated.

PMC initially sets this field using both the currency information provided by the acquirer and the parent/child currency relationship between the acquirer and the switch. PMC uses currency information supplied by the acquirer if the switch is not a currency parent, provided by the network or a hybrid of the two. If the switch is a currency parent, network provided currency information is used.

This information is present but is not used if PROCESSING^FLAG[3].<7>, “Auth^by^alt^route”, is set to true. This indicates that the transaction was processed by the alternate processor and not the primary processor.

Default Value

Blank.

Possible Values

Subfield	Length	Value
DEC^POS	Digit 1	0 through 9
RATE	Digits 2 through 8	0000001 through 9999999

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI) using currency information provided in the authorizer response if the issuer is a currency parent.

Used By

- Merchant Host (MH)
- Primary Message Control (PMC)
- Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

PROCESSING^FLAG[3].<7>, "Auth^by^alt^route", is true if this transaction was processed by the alternate processor and not the primary processor.

AMT^RECON^ISSR

Logscan Name	Subfield of
p^amt^recon^iss	PRIM^ROUTE^CX

Description

The Primary Issuer Reconciliation Amount indicates the funds transferred between the acquirer and the issuer. This amount is equal to the transaction amount in the currency of reconciliation if the primary route is used for authorization.

This information is present and not used if PROCESSING^FLAG[3].<7>, “Auth^by^alt^route”, is set to true. This indicates that the transaction was processed by the alternate processor and not the primary processor.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI).

Used By

- Authorization Processor (AP)
- Merchant Host (MH)
- Primary Message Control (PMC)
- Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

PROCESSING^FLAG[3].<7>, “Auth^by^alt^route”, is true if this transaction was processed by the alternate processor and not the primary processor.

CUR^RECON^ISSR

Logscan Name	Subfield of
a^cur^recon^iss	ALT^ROUTE^CX

Description

The Alternate Issuer Reconciliation Currency indicates the currency used by the issuer for internal reconciliation and possible funds movement if the alternate route is used for authorization.

This information is present in some primary route processing, and is always present and used if PROCESSING^FLAG[3].<7>, "Auth^by^alt^route", is set to true. This indicates that the transaction was processed by the alternate processor and not the primary processor.

Default Value

Blank.

Possible Values

Any currency code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

Primary Message Control (PMC) using the alternate processor definition for the issuer in CEDROUT.

Modified By

Issuer Processor Interface (PI) if the transaction is externally settled and the issuer is a currency parent.

Used By

- Authorization Processor (AP)
- Merchant Host (MH)
- Primary Message Control (PMC)
- Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields.

PROCESSING^FLAG[3].<7>, "Auth^by^alt^route", is true if this transaction was processed by the alternate processor and not the primary processor.

DATE^CONV^ISSR

Logscan Name	Subfield of
a^date^conv^iss	ALT^ROUTE^CX

Description

The Alternate Issuer Conversion Rate Date indicates the dates that the CONV^RECON^ISSR rate is effective for converting the transaction amount from the original currency to the issuer's reconciliation currency. Logscan displays this month and day using the MM-DD format.

This information is not always present in primary route processing, but is present and used if PROCESSING^FLAG[3].<7>, "Auth^by^alt^route", is set to true. This indicates that the transaction was processed by the alternate processor and not the primary processor.

Default Value

Blank.

Possible Values

Field	Value
MM	01 through 12
DD	01 through 31

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI) using currency information provided in the authorizer response if the issuer is a currency parent.

Used By

- Primary Message Control (PMC)
- Processor Interface (PI)

Special Functions and Related Fields

PROCESSING^FLAG[3].<7>, “Auth^by^alt^route”, is true if this transaction was processed by the alternate processor and not the primary processor.

CONV^RECON^ISSR

Logscan Name	Subfield of
a^conv^recon^iss	ALT^ROUTE^CX

Description

The Alternate Issuer Reconciliation Conversion Rate indicates the factor used in the conversion of the transaction amount to an issuer reconciliation amount if the alternate route is used for authorization. Logscan displays this field as eight contiguous digits and includes two sub-fields: DEC^POS and RATE.

Subfield	Description
DEC^POS	Digit one defines the number of positions the decimal point is moved left from the right-most digit of the Primary Issuer Reconciliation Conversion Rate. Example: A displayed rate of 91234567 represents the decimal value of 0.001234567, and 81234567 represents the decimal value of 0.01234567, and so on.
RATE	Digits two through eight define the seven significant digits of the Primary Issuer Reconciliation Conversion Rate without an indicated decimal point.

PMC initially sets this field using both the currency information provided by the acquirer and the parent/child currency relationship between the acquirer and the switch. PMC uses currency information supplied by the acquirer if the switch is not a currency parent provided by the network, or a hybrid of the two. If the switch is a currency parent, network provided currency information is used.

This information is present in primary route processing, but is not always present and used if PROCESSING^FLAG[3].<7>, “Auth^by^alt^route” is set to true. This indicates that the transaction was processed by the alternate processor and not the primary processor.

Default Value

Blank.

Possible Values

Subfield	Length	Value
DEC^POS	Digit 1	0 through 9
RATE	Digits 2 through 8	0000001 through 9999999

Initially Set By

Primary Message Control (PMC).

Modified By

The Issuer Processor Interface (PI) using currency information provided in the authorizer response if the issuer is a currency parent.

Used By

- Merchant Host (MH)
- Primary Message Control (PMC)
- Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

PROCESSING^FLAG[3].<7>, "Auth^by^alt^route", is true if this transaction was processed by the alternate processor and not the primary processor.

AMT^RECON^ISSR

Logscan Name	Subfield of
a^amt^recon^iss	ALT^ROUTE^CX

Description

The Alternate Issuer Reconciliation Amount indicates the funds transferred between the acquirer and the issuer that is equal to the transaction amount in the currency of reconciliation if the alternate route is used for authorization. This information is sometimes present in primary route processing and is always present and used if PROCESSING^FLAG[3].<7>, "Auth^by^alt^route", is set to true. This indicates that this transaction was processed by the alternate processor and not than the primary processor.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

Primary Message Control (PMC).

Modified By

Issuer Processor Interface (PI).

Used By

- Authorization Processor (AP)
- Merchant Host (MH)
- Primary Message Control (PMC)
- Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

PROCESSING^FLAG[3].<7>, "Auth^by^alt^route", is true if this transaction was processed by the alternate processor and not the primary processor.

Segment 15-Transaction Description

TRAN^DESC

Logscan Name
tran^desc

Description

The Transaction Description indicates data that provides additional information about the transaction for billing, fee collection or representment purposes. This value also provides information about the merchandise in a transaction. For example, airline itinerary. If the transaction originates at an ATM, this field includes information for statement printing, check inquiry, check reorder, etc.

NOTE:	Logscan displays this client-unique field if cust^seg^flag^15 (in source module LOGSCUST) is set to true.
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Default Value

Blank.

Possible Values

Any combination of alphanumeric and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Terminal Handler (TH)

Segment 16-Fee Amounts

TYPE^CODE

Logscan Name	Subfield of
fee^type^code	AMTS^FEES.FEE[0:5]

Description

The two-character Fee Type Code indicates the type of fee present for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency.

Value	Description
00	Transaction fee
01	Transaction processing fee
70	Surcharge

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- POS Terminal Handler
- Terminal Handler (TH)

Modified By

Not normally modified after the initial value is determined. The Acquirer Processor Interface modifies using replacement fees.

Used By

- Authorization Processor (AP)
- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)

- Log File Extract
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

CUR^CODE

Logscan Name	Subfield of
fee^cur^code	AMTS^FEE.FEE[0:5]

Description

The three-character Fee Currency Code indicates the currency of the AMT field for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Blank.

Possible Values

Any Currency Code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

AMT.

MEMO^FLAG

Logscan Name	Subfield of
fee^mem^flg	AMTS^FEES.FEE[0:5]

Description

The one-character Fee Memo Flag indicates if the fee information is informational for a specific occurrence of the six-entry Fees Amounts field. If informational only, no funds movement can occur.

Default Value

Blank.

Possible Values

Value	Description
N	Not informational, funds do move
Y	Informational only

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

INITIATOR

Logscan Name	Subfield of
fee^init	AMTS^FEES.FEE[0:5]

Description

The one-character Fee Initiator indicates the party that instituted the fee for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Blank.

Possible Values

Value	Description
A	Acquirer
I	Issuer

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

DEC^POS

Logscan Name	Subfield of
fee^dec^pos	AMTS^FEES.FEE[0:5]

Description

The one-character Fee Decimal Positions indicates the number of positions the decimal separator is moved from the right-most digit to the left of the Fee Amount, Acquirer Reconciliation Fee Amount, Issuer Reconciliation Fee Amount or Alternate Issuer Reconciliation Fee Amount for a specific occurrence of the six entry Fees Amounts field. This is only used if the fee amount is not in whole units of the minimum currency value.

NOTE:

A Fee Amount of 103 with a Fee Currency Code of 840 (U.S. dollars) and a fee decimal Position of one represents 10.2 cents.

Default Value

Zero.

Possible Values

Values 0 through 9.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

- AMT
- AMT^RECON^ACQR

- AMT^RECON^ISSR
- AMT^RECON^ISSR^ALT

CONV^ACQR

Logscan	Subfield of
fee^conv^acq	AMTS^FEES.FEE[0:5]

Description

The eight-character Acquirer Reconciliation Fee Conversion Rate indicates the factor used in the conversion of the Fee Amount to an acquirer reconciliation amount for a specific occurrence of the six-entry Fees Amounts field. The Acquirer Reconciliation Fee Conversion Rate includes the two subfields: DEC^POS and RATE.

Subfield	Description
DEC^POS	This one-character value is the left-most digit that defines the number of positions the decimal separator must be moved from the right-most digit to the left of the Rate field of the Acquirer Reconciliation Fee Conversion Rate. Example: An Acquirer Reconciliation Fee Conversion Rate of <u>9</u> 1234567 represents the decimal value 0.001234567.

Default Value

Zero.

Possible Values

Values 0 through 9.

Subfield	Description
RATE	This seven-character value is the right-most seven digits that defines the factor used in the conversion of the Fee Amount to an acquirer reconciliation amount. The Fee Amount is multiplied by the Acquirer Reconciliation Fee Conversion Rate to determine the acquirer reconciliation amount. Example: An Acquirer Reconciliation Fee Conversion Rate of 30000125 represents the decimal value 0.125. The Acquirer Reconciliation Fee Amount for a Fee Amount of 200 is 25 after the conversion.

Default Value

Blank.

Possible Values

Values 0000001 to 9999999.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

AMT.

CUR^RECON^ACQR

Logscan Name	Subfield of
fee^recon^acq	AMTS^FEES.FEE[0:5]

Description

The three-character Acquirer Reconciliation Fee Currency Code indicates the currency used by the acquirer for internal reconciliation for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Blank.

Possible Values

Any Currency Code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

CONV^ISSR

Logscan Name	Subfield of
fee^conv^iss	AMTS^FEES.FEE[0:5]

Description

The eight-character Issuer Reconciliation Fee Conversion Rate indicates the factor used in the conversion of the Fee Amount to an issuer reconciliation amount for a specific occurrence of the six-entry Fees Amounts field. Issuer Reconciliation Fee Conversion Rate includes the two subfields: DEC^POS and RATE.

Subfield	Description
DEC^POS	This one-character value is the left-most digit defines the number of positions the decimal separator must be moved from the right-most digit to the left of the Rate field of the Issuer Reconciliation Fee Conversion Rate. Example: An Issuer Reconciliation Fee Conversion Rate of 91234567 represents the decimal value of 0.001234567.

Default Value

Zero.

Possible Values

Values 0 through 9.

Subfield	Description
RATE	This seven-character value is the right-most seven digits and defines the factor used in the conversion of the Fee Amount to an issuer reconciliation amount. The Fee Amount is multiplied by the Issuer Reconciliation Fee Conversion Rate to determine the issuer reconciliation amount. Example: An Issuer Reconciliation Fee Conversion Rate of 30000125 represents the decimal value of 0.125. The Issuer Reconciliation Fee Amount for a Fee Amount of 200 is 25 after the conversion.

Default Value

Blank.

Possible Values

Values 0000001 to 9999999.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Issuer Processor Interface (PI).

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)

Special Functions and Related Fields

AMT.

CUR^RECON^ISSR

Logscan Name	Subfield of
fee^recon^iss	AMTS^FEES.FEE[0:5]

Description

The three-character Issuer Reconciliation Fee Currency Code indicates the currency used by the issuer for internal reconciliation for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Blank.

Possible Values

Any Currency Code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Issuer Processor Interface (PI).

Used By

- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

AMT

Logscan Name	Subfield of
fee^amt	AMTS^FEES.FEE[0:5]

Description

The four-byte amount indicates the funds requested by the fee initiator for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Log File Extract
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

AMT^RECON^ACQR

Logscan Name	Subfield of
fee^amt^recon^acq	AMTS^FEES.FEE[0:5]

Description

The four-byte Acquirer Reconciliation Fee Amount indicates the fee transferred between the acquirer and the card issuer in the currency of reconciliation used by the acquirer for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Log File Extract
- Merchant Host Process (MH)
- Primary Message Control (PMC)

AMT^RECON^ISSR

Logscan Name	Subfield of
fee^amt^recon^iss	AMTS^FEES.FEE[0:5]

Description

The four-byte Issuer Reconciliation Fee Amount indicates the fee transferred between the acquirer and the card issuer in the currency of the reconciliation used by the issuer for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)

AMT^RECON^ISSR^ALT

Logscan Name	Subfield of
fee^amt^recon^iss^alt	AMTS^FEES.FEE[0:5]

Description

The four-byte Alternate Issuer Reconciliation Fee Amount indicates the fee transferred between the acquirer and the card issuer in the currency of reconciliation used by the issuer if an alternate processor authorizes the request for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Authorization Processor (AP).

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)
- Terminal Handler (TH)

CONV^ISSR^ALT

Logscan Name	Subfield of
fee^conv^iss^alt	AMTS^FEES.FEE[0:5]

Description

The eight-character Alternate Issuer Reconciliation Fee Conversion Rate defines the factor used in the conversion of the Fee Amount to an alternate issuer reconciliation amount for a specific occurrence of the six-entry Fees Amounts field. Alternate Issuer Reconciliation Fee Conversion Rate includes the two subfields: DEC^POS and RATE.

Subfield	Description
DEC^POS	This one-character value is the left-most digit that defines the number of positions the decimal separator must be moved from the right-most digit to the left of the Rate field of the Alternate Issuer Reconciliation Fee Conversion Rate. Example: An Alternate Issuer Reconciliation Fee Conversion Rate of <u>9</u> 1234567 represents the decimal value 0.001234567.

Default Value

Zero.

Possible Values

Values 0 through 9.

Subfield	Description
RATE	The seven-character value is the right-most seven digits that defines the factor used in the conversion of the Fee Amount to an issuer reconciliation amount. The Fee Amount is multiplied by the Alternate Issuer Reconciliation Fee Conversion Rate to determine the alternate issuer reconciliation amount. Example: An Alternate Issuer Reconciliation Fee Conversion Rate of 30000125 represents the decimal value of 0.125. The Alternate Issuer Reconciliation Fee Amount for a Fee Amount of 200 is 25 after the conversion.

Default Value

Blank.

Possible Values

Values 0000001 to 9999999.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not Modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Special Functions and Related Fields

AMT.

CUR^RECON^ISSR^ALT

Logscan Name	Subfield of
fee^recon^issr^alt	AMTS^FEES.FEE[0:5]

Description

The three-character Alternate Issuer Reconciliation Fee Currency indicates the currency used by the alternate authorizing processor for internal reconciliation for a specific occurrence of the six-entry Fees Amounts field.

Default Value

Blank.

Possible Values

Any Currency Code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

TYPE^CODE

Logscan Name	Subfield of
o^fee^type^code	AMTS^ORIG^FEES.FEE[0:5]

Description

The two-character Fee Type Code indicates the type of fee present in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency.

Value	Description
00	Transaction fee
01	Transaction processing fee

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not Modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

CUR^CODE

Logscan Name	Subfield of
o^fee^cur^code	AMTS^ORIG^FEES.FEE[0:5]

Description

The three-character Fee Currency Code indicates the currency of the ATM field in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Blank.

Possible Values

Any Currency Code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Special Functions and Related Fields

AMT.

MEMO^FLAG

Logscan Name	Subfield of
o^fee^mem^flg	AMTS^ORIG^FEES.FEE[0:5]

Description

The one-character Fee Memo Flag indicates if the fee information in the original transaction is only for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Blank.

Possible Values

Value	Description
N	Not informational only, funds do move
Y	Informational only

Initially Set By

- Acquirer Processor Interface (PI)

- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface
- Issuer Processor Interface
- Primary Message Control (PMC)
- Terminal Handler (TH)

INITIATOR

Logscan Name	Subfield of
o^fee^init	AMTS^ORIG^FEES.FEE[0:5]

Description

The one-character Fee Initiator indicates the party that initiated the fee in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Blank.

Possible Values

Value	Description
A	Acquirer
I	Issuer

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

DEC^POS

Logscan Name	Subfield of
o^fee^dec^pos	AMTS^ORIG^FEES.FEE[0:5]

Description

The one-character Fee Decimal Positions indicates the number of positions the decimal separator is moved from the right-most digit to the left of the Fee Amount, Acquirer Reconciliation Fee Amount, or Issuer Reconciliation Fee Amount in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field. Use only if the fee amount is not in whole units of the minimum currency value.

NOTE:

A Fee Amount of 102 with a Fee Currency Code of 840 (U.S. dollars) and a Fee Decimal Position of one represents 10.2 cents.

Default Value

Zero.

Possible Values

Values 0 through 9.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Special Functions and Related Fields

- AMT
- AMT^RECON^ACQR
- AMT^RECON^ISSR

CONV^ACQR

Logscan Name	Subfield of
o^fee^conv^acq	AMTS^ORIG^FEES.FEE[0:5]

Description

The eight-character Acquirer Reconciliation Fee Conversion Rate indicates the factor used in the conversion of the Fee Amount to an acquirer reconciliation amount in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field. Acquirer Reconciliation Fee Conversion Rate includes the two subfields: DEC^POS and RATE.

Subfield	Description
DEC^POS	<p>This one-character value is the left-most digit that defines the number of positions the decimal separate must be moved from the right-most digit to the left of the Rate field of the Acquirer Reconciliation Fee Conversion Rate.</p> <p>Example: An Acquirer Reconciliation Fee Conversion Rate of <u>9</u>1234567 represents the decimal value 0.001234567.</p>

Default value

Zero.

Possible Values

The value 0 through 9.

Subfield	Description
RATE	This seven-character value is the right-most seven digits that defines the factor used in the conversion of the Fee Amount to an acquirer reconciliation amount. The Fee Amount is multiplied by the Acquirer Reconciliation Fee Conversion Rate to determine the acquirer reconciliation amount. Example: An Acquirer Reconciliation Fee Conversion Rate of 30000125 represents the decimal value of 0.125. The Acquirer Reconciliation Fee Amount for a Fee Amount of 200 is 25 after the conversion.

Default Value

Blank.

Possible Values

Values 0000001 to 9999999.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Special Functions and Related Fields

AMT.

CUR^RECON^ACQR

Logscan Name	Subfield of
o^fee^recon^acq	AMTS^ORIG^FEES.FEE[0:5]

Description

The three-character Acquirer Reconciliation Fee Currency Code indicates the currency used by the acquirer for internal reconciliation in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Blank.

Possible Values

Any Currency Code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

CONV^ISSR

Logscan Name	Subfield of
o^fee^conv^iss	AMTS^ORIG^FEES.FEE[0:5]

Description

The eight-character Issuer Reconciliation Fee Conversion Rate indicates the factor used in the conversion of the Fee Amount to an issuer reconciliation amount in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field. Issuer Reconciliation Fee Conversion Rate includes the two subfields: DEC^POS and RATE.

Subfield	Description
DEC^POS	This one-character value is the left-most digit that defines the number of positions the decimal separator must be moved from the right-most digit to the left of the Rate field of the Issuer Reconciliation Fee Conversion Rate. Example: An Issuer Reconciliation Fee Conversion Rate of <u>9</u> 1234567 represents the decimal value of 0.001234567.

Default value

Zero.

Possible Values

Values 0 through 9.

Subfield	Description
RATE	This seven-character value is the right-most seven digits that defines the factor used in the conversion of the Fee Amount to an issuer reconciliation amount. The Fee Amount is multiplied by the Issuer Reconciliation Fee Conversion Rate to determine the issuer reconciliation amount. Example: An Issuer Reconciliation Fee Conversion Rate of 30000125 represents the decimal value of 0.125. The Issuer Reconciliation Fee Amount for a Fee Amount of 200 is 25 after the conversion.

Default Value

Blank.

Possible Values

Values 0000001 to 9999999.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Special Functions and Related Fields

AMT.

CUR^RECON^ISSR

Logscan Name	Subfield of
o^fee^recon^iss	AMTS^ORIG^FEES.FEE[0:5]

Description

The three-character Issuer Reconciliation Fee Currency Code indicates the currency used by the issuer for internal reconciliation in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Blank.

Possible Values

Any Currency Code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

AMT

Logscan Name	Subfield of
o^fee^amt	AMTS^ORIG^FEES.FEE[0:5]

Description

This four-byte amount indicates the funds requested by the fee initiator in the original transaction for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)

- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

AMT^RECON^ACQR

Logscan Name	Subfield of
o^fee^amt^recon^acq	AMTS^ORIG^FEES.FEE[0:5]

Description

The four-byte Acquirer Reconciliation Fee Amount indicates the fee transferred between the acquirer and the card issuer for the original transaction, with the currency of reconciliation used by the acquirer for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Zero.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface (PI)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler

- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

AMT^RECON^ISSR

Logscan Name	Subfield of
o^fee^amt^recon^iss	AMTS^ORIG^FEES.FEE[0:5]

Description

The four-byte Issuer Reconciliation Fee Amount indicates the fee transferred between the acquirer and the card issuer for the original transaction using the issuer's the currency of reconciliation for a specific occurrence of the six-entry Original Fees Amounts field.

Default Value

Blank.

Possible Values

Any positive or negative number.

Initially Set By

- Acquirer Processor Interface
- Authorization Processor (AP)
- Issuer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler
- Primary Message Control (PMC)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Issuer Processor Interface (PI)
- Primary Message Control (PMC)
- Terminal Handler (TH)

Segment 17-Payee Name

PAYEE

Logscan Name
payee

Description

The Payee indicates the third party beneficiary in a transaction if the Processing Code identifies a payment transaction. The transaction types 50 through 59.

Default Value

Blank.

Possible Values

Any combination of alphanumeric and special characters.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Segment 18-Original Data Elements (ODE)

MTI

Logscan Name	Subfield of
ode^mti	ODE

Description

The Message Type Identifier (MTI) from the Original Data Elements (ODE) that indicates message information for processing the message. The MTI includes four one-character subfields.

Subfields	Bit Number	Description
Version	Bit 1	Version number of the original message
CLAS	Bit 2	Activities performed by the original message
FUNC	Bit 3	Purpose of the original message
ORIG	Bit 4	Initiator of the original message

Default Value

Blank.

Possible Values

These codes are controlled by the ISO 8583 Codes Maintenance Agency.

Version Bit 1	Description
1	ISO8583: 1992
9	Connex TM on HP NonStop private use

CLAS Bit 2	Description
1	Authorization, approval or guarantee of funds by the card issuer to the acquirer. Does not allow the approved transaction amount to be applied to the cardholder's account for billing or posting.
2	Financial. Allows the approved transaction to be applied to the cardholder's account for billing or posting.
4	Reversal/chargeback. A reversal partially or completely voids the effects of a previous financial or authorization transaction and is initiated by the acquirer. A chargeback partially or completely voids a previous financial transaction and is initiated by the issuer.

FUNC Bit 3	Description
0	Request informs the receiver if a transaction is in progress and a response is required to complete the activity.
1	Request response informs the receiver of the sender's decision to the request. This could be a full approval, a partial approval, a decline or a reject.
2	Advice informs the receiver of an activity taken that requires no approval but does require a response.
3	Advice response informs the receiver of the sender's decision to transfer financial liability due to the advice.
4	Notification informs the receiver if the activity does not require approval or response.

ORIG Bit 4	Description
0	Acquirer, financial institution (or its agent) that acquires related transaction data from the card acceptor and initiates data into an interchange system.
1	Acquirer repeat. If no response is received, the acquirer can repeat the message.
2	Issuer, financial institution (or its agent) that issues the financial transaction card to the cardholder.
3	Issuer repeat. If no response is received, the issuer can repeat the message.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Acquirer Processor Interface (PI)
- Primary Message Control (PMC)
- Totals/Totals-E
- Transaction Exception System (TES)

SYSTEM^TRACE^AUDIT^NBR

Logscan Name	Subfield of
ode^aud^nbr	ODE

Description

The System Trace Audit Number from the Original Data Elements (ODE) indicates the number assigned by the transaction originator to the original transaction to identify the transaction.

Default Value

Blank.

Possible Values

Values 000000 through 999999.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Acquirer Processor Interface (PI)
- Transaction Exception System (TES)

DATE^TIME^LOCAL^TRAN

Logscan Name	Subfield of
ode^datetime	ODE

Description

The Local Transaction Date and Time from the Original Data Elements (ODE) indicates if the original transaction occurred at the card acceptor location. The format for the year, month, day, hours, minutes, and seconds is YY-MM-DD-HH-MN-SS.

Default Value

Blank.

Possible Values

Field	Value
YY	Values 00 through 99
MM	Values 01 through 12
DD	Values 01 through 31
HH	Values 00 through 23
MN	Values 00 through 59
SS	Values 00 through 59

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Acquirer Processor Interface (PI)
- Transaction Exception System (TES)

LEN^ACQR^INST^ID

Logscan Name	Subfield of
ode^inst^len	ODE

Description

The Acquirer Institution ID Length from the Original Data Elements (ODE) indicates the length of the Acquirer Institution ID. For specific information, refer the Inst^id^acqr field.

Default Value

Blank.

Possible Values

Values 00 through 11 if other ODE fields are present. Otherwise, this field is blank.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Not used.

INST^ID^ACQR

Logscan Name	Subfield of
ode^inst^acq	ODE

Description

The Acquirer Institution ID in the Original Data Elements (ODE) indicates the institution that acquired the original transaction.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Registration Authority. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Issuer Processor Interface (PI)
- Transaction Exception System (TES)

Segment 19-Additional Institutions Identifiers

COUNTRY^TRAN^ORIG^INST

Logscan Name
cntry^orig^inst

Description

The Originator Institution Country indicates the three-character code that identifies the country location for the transaction originator.

Default Value

Blank.

Possible Values

Any country code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

Not set.

Modified By

Not modified.

Used By

Not used.

INST^ID^TRAN^ORIG

Logscan Name
inst^orig

Description

The Originator Institution Identification indicates the originator of the transaction.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Registration Authority. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Acquirer Processor Interface (PI)
- POS Terminal Handler

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

COUNTRY^FORWARDING^INST

Logscan Name
cntry^frwd^inst

Description

The Forwarding Institution Country indicates the three-character code that identifies the country location for the forwarding institution.

Default Value

Blank.

Possible values

Any country code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Acquirer Processor Interface (PI).

INST^ID^FRWD

Logscan Name
inst^frwd

Description

The Forwarding Institution Identification indicates the institution that forwarded the transaction to the Connex™ on HP NonStop network. This data is normally present if the institution is the original acquirer institution.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Registration Authority. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Acquirer Processor Interface (PI)
- POS Terminal Handler
- Log File Extract Process

Modified By

Not normally modified, the new data for this field can be returned from the Issuer.

Used By

- Acquirer Processor Interface (PI)
- Log File Extract Process

COUNTRY^RECEIVING^INST

Logscan Name
cntry^rec^inst

Description

The Receiving Institution Country indicates the three-character code that identifies the country location for the receiving institution.

Default Value

Blank.

Possible Values

Any country code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

POS Terminal Handler.

Modified By

Not modified.

Used By

Not used.

INST^ID^RECV

Logscan Name
rec^inst

Description

The Receiving Institution Identification indicates the institution that receives the transaction from the Connex™ on HP NonStop network if that institution is not the card issuer.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Registration Authority. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Acquirer Processor Interface (PI)
- POS Terminal Handler

Modified By

New data for this field can be returned from the Authorizer. This information is not normally modified.

Used By

Acquirer Processor Interface (PI).

COUNTRY^TRAN^DEST^INST^IB

Logscan Name
cntry^dest^inst^ib

Description

Inbound Destination Institution Country indicates the three-character code that identifies the country location for the inbound destination institution.

Default Value

Blank.

Possible Values

Any country code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Merchant Host Process (MH)
- POS Terminal Handler

Modified By

Not modified.

Used By

Primary Message Control (PMC).

INST^ID^TRAN^DEST^IB

Logscan Name
dest^inst^ib

Description

The Inbound Destination Institution Identification indicates the institution that receives the transaction. Use this field if the PAN is not available for check authorization transactions or if the PAN does not uniquely identify the issuer.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Registration Authority. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Acquirer Processor Interface (PI)
- Merchant Host Process (MH)
- POS Terminal Handler

Modified By

Not modified.

Used By

- Primary Message Control (PMC)
- Acquirer Processor Interface (PI)

COUNTRY^TRAN^DEST^INST^OB

Logscan Name
cntry^dest^inst^ob

Description

The Outbound Destination Institution Country indicates the three-character code that identifies the country location for the outbound destination institution.

Default Value

Blank.

Possible Values

Any country code validated by the ISO 8583 Codes Maintenance Agency.

Initially Set By

- Primary Message Control (PMC)
- POS Terminal Handler

Modified By

Not modified.

Used By

Not used.

INST^ID^TRAN^DEST^OB

Logscan Name
dest^inst^ob

Description

The Outbound Destination Institution Identification indicates the institution that receives the transaction. Use this field if the PAN is not available with check authorization transactions or if the PAN does not uniquely identify the issuer.

Default Value

Blank.

Possible Values

The codes are controlled by the ISO 8583 Registration Authority. Codes with prefixes of 9 or 59 are controlled by the appropriate national standards body.

Initially Set By

- Issuer Processor Interface (PI)
- Primary Message Control (PMC)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Segment 20-Additional National Data

ADLT^DATA^NATL

Logscan Name
adtl^natl

Description

The Additional National Data indicates unique processing information used in applications in a specific country.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^20 (in source module LOGSCUST) is set to true.

Default Value

Blank.

Possible Values

Any combination of binary or character fields. The client-unique documentation for the processor interfaces defines the format and content of this field.

Initially Set By

Acquirer Processor Interface (PI).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Segment 21-Acquirer Additional Private Data

ADTL^DATA^PRIV^ACQR

Logscan Name
adtl^priv^acq

Description

The Acquirer Additional Data Private indicates the unique network application data transferred from the acquirer to the issuer.

NOTE:

Logscan displays this client-unique field if cust^seg^flag^21 (in source module LOGSCUST) is set to true.

Default Value

Blank.

Possible Values

Any combination of alphanumeric and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer Processor Interface for data from an Acquirer Processor Interface.

Segment 22-Issuer Additional Private Data

ADTL^DATA^PRIV^ISSR

Logscan Name
adtl^priv^iss

Description

The Issuer Additional Data Private indicates the unique network application data transferred from the issuer to the acquirer.

NOTE:

Logscan displays this unformatted, client-unique field if cust^seg^flag^22 (in source module LOGSCUST) is set to false. Other cust^seg^flags default to false, but cust^seg^flag^22 defaults to true to display a formatted version of ADTL^CK^DATA.

Default Value

Blank.

Possible Values

Any combination of alphanumeric and special characters.

Initially Set By

Issuer Processor Interface.

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

ADTL^CK^DATA

Logscan Name	Redefine of
no logscan name	ADTL^DATA^PROV^ISSR

Description

The set of subfields under ADTL^CK^DATA that indicate check data from the acquirer and issuer.

NOTE: Logscan displays this formatted subfield as cust^seg^flag^22 (in source module LOGSCUST) is set to true. Other cust^seg^flags default to false, but cust^seg^flag^22 defaults to true.

FORMAT

Logscan Name	Subfield of
acqr^ck^data^frmt	ADTL^CK^DATA.ACQR^CK^DATA

Description

The Format field, if not blank, includes a code to indicate that check data was received from the acquirer.

Default Value

Blank.

Possible Values

Value	Description
AC	Acquirer check data

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

INFO.

INFO

Logscan Name	Subfield of
acqr^ck^data^info	ADTL^CK^DATA.ACQR^CK^DATA

Description

The Information indicates acquirer check data that includes the types of identification presented by the customer for a check authorization. The various check data displays as tagged sequences.

Each sequence starts with a two-character identification tag that is followed by a two-digit length. The two-digit length is followed by one or more specific pieces of data that appear in the sequence order determined by the specified data length.

Tag	Sequence Description	Length	Data in Sequence	Data Length
AT	Acquirer Tag ID	01-02	Tag ID	2
CN	Check Number (manual entry)	01-12	Check Number	12
DB	Date of birth	01-08	DOB (yyyymmdd)	8
DR	Drivers license	01-31	<ul style="list-style-type: none"> State code License Number Validation type 	2 28 1
MF	Formatted MICR	01-46	<ul style="list-style-type: none"> Routing and Transit Account Number Check Serial Validation Type 	9 18 12 1
MU	Unformatted MICR	01-66	<ul style="list-style-type: none"> Validation type Process control 	1 6
PI	Proprietary ID	01-28	Proprietary ID	28
PL	Plastic card	01-29	<ul style="list-style-type: none"> PAN Validation type 	28 1

Tag	Sequence Description	Length	Data in Sequence	Data Length
PN	Phone number	01-10	Phone number	10
SC	State code	02	State code	2
SI	State ID	01-24	<ul style="list-style-type: none"> State code State ID 	2 22
SS	Social security number	01-11	<ul style="list-style-type: none"> State code SSAN 	2 9
ZC	Zip code	01-09	Zip code	9

Default Value

Blank.

Possible Values

Any combination of alphanumeric and special characters.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

FORMAT.

FORMAT

Logscan Name	Subfield of
issr^ck^data^frmt	ADTL^CK^DATA.ISSR^CK^DATA

Description

The Format field, if not blank, indicates the presence of check data received from the issuer.

Default Value

Blank.

Possible Values

Value	Description
AC	Acquirer check data

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

INFO.

INFO

Logscan Name	Subfield of
issr^ck^data^info	ADTL^CK^DATA.ISSR^CK^DATA

Description

The Information indicates the various issuer checks. This check data displays as tagged sequences. Each sequence starts with a two-character identification tag that is followed by a two-digit space. After that length, one or more specific pieces of data appear in the sequence in the order determined by the specified data length.

Tag	Sequence Description	Length	Data Sequence	Data Length
CK	Check information	01-16	• Vendor format code (S for Scan Online)	1
			• Vendor response code (Scan Online values)	3
			• Vendor item number	12
MF	Formatted MICR	01-46	• Routing & Transit	9
			• Account number	18
			• Check serial number	12
			• Validation type	1
			• Process control	6

Default Value

Blank.

Possible Values

Any combination of alphanumeric and special characters.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

FORMAT.

Segment 23-Message-In-Progress and PIN Data

PROC^QUEUE^ID

Logscan Name
proc^queue^id

Description

The Processor Queue ID indicates the internal memory queue and the address of a message-in-progress sent to the issuer. This field is used only by FIS technical staff.

Default Value

Zero.

Possible Values

Any positive number.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

PROC^QUEUE^ADDR.

PROC^QUEUE^ADDR

Logscan Name
proc^que^addr

Description

The Processor Queue Address in the Processor Queue indicates the internal memory location of a message in progress sent to the issuer. This field is used only by FIS technical staff.

Default Value

Zero.

Possible Values

Any positive number.

Initially Set By

Issuer Processor Interface (PI).

Modified By

Not modified.

Used By

Issuer Processor Interface (PI).

Special Functions and Related Fields

PROC^QUEUE^ID.

SS^QUEUE^ID

Logscan Name
ss^que^id

Description

The Session Services Queue ID indicates the internal memory queue that stores the address of a message-in-progress sent to a communications process. This field is used only by FIS technical staff.

Default Value

Zero.

Possible Values

Any positive number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

SS^QUEUE^ADDR.

SS^QUEUE^ADDR

Logscan Name
ss^que^addr

Description

The Session Services Queue Address in the Session Services Queue indicates the internal memory location of a message in progress sent to a communications process. This field is used only by FIS technical staff.

Default Value

Zero.

Possible Values

Any positive number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

SS^QUEUE^ID

INTR^QUEUE^ID

Logscan Name
intr^que^id

Description

The Intercept Queue ID indicates the internal memory queue holding the address of a message in progress sent to the acquirer. This field is used only by FIS technical staff.

Default Value

Zero.

Possible Values

Any positive number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

INTR^QUEUE^ADDR.

INTR^QUEUE^ADDR

Logscan Name
intr^que^addr

Description

The Intercept Queue Address in the Intercept Queue indicates the internal memory location for a message-in-progress sent to the acquirer. This field is used only by FIS technical staff.

Default Value

Zero.

Possible Values

Any positive number.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Not modified.

Used By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Special Functions and Related Fields

INTR^QUEUE^ID.

PIN^DATA

Logscan Name
pin^data

Description

The Personal Identification Number (PIN) Data indicates the cardholder's PIN entered at the point of service and encrypted according to the specifications in the PIN Data Format field. This verifies that the person initiating the transaction request is the cardholder.

Default Value

Blank.

Possible Values

Any hexadecimal value in the range of 0 through F. Trailing blanks are allowed if the PIN data is in the clear.

Initially Set By

- Acquirer Processor Interface (PI)
- Terminal Handler (TH)

Modified By

Primary Message Control (PMC).

Used By

- Primary Message Control (PMC)
- Authorization Processor (AP)
- Issuer Processor Interface (PI)

Segment 24-Variable Length Data (For Future Use)

TOKENIZED DATA

Description

This segment will be used to pass newly-defined FINIPC field values. FIS technical staff will define usage of the fields as specific needs arise. Tokens will be assigned as requested by the Processor Interface (PI) department.

Default Value

N/A

Possible Values

A tokenized message.

Initially Set By

The data area itself is initialized by the procedure, initialize^cnx0400.

Modified By

Various processes, using calls shown below.

Used By

Various processes, using the cnx^get^token or cnx^get^token^ord procedures.

Special Functions and Related Fields

The following function calls can be used to access the tokenized data area:

CNX^PUT^TOKEN

CNX^GET^TOKEN

CNX^GET^TOKEN^ORD

CNX^TOKEN^COUNT

CNX^TOKEN^AREA^SIZE

CNX^DROP^TOKENS

CNX^MERGE^TOKENS



CALCULATE^LOG^FIN^SIZE

FORMAT^LOG^FIN

The first two calls will be used most often. The other calls are typically for special situations that normal code would not use.



Message Codes List

This appendix highlights the FINIPC fields that fully identify a message.

Header Message

Each interprocess message and log record in the Connex™ on HP NonStop® (CHPNS) system includes a message header. The header includes the Message Code and Step Code. These fields are used to:

- Identify the type of message
- Purpose of the message
- The data format following the header

Header Definition

Field #	Level	Field Name	Offset	Data Type	Comments
009	02	HEADER	16	Group 28	
010	03	MSG-CODE	16	Binary (16) Signed	
011	03	STEP	18	Binary (16) Signed	
012	03	SOURCE	20	Character 6	
013	03	DESTINATION	26	Character 6	
014	03	OUTPUT-ONLY- INFO	32	Character 8	
015	03	PACKET-ID	32	Binary (64) Signed	Redefines OUTPUT-ONLY- INFO
016	03	REPLY-TAG	32	Binary (16) Signed	Redefines OUTPUT-ONLY- INFO

Field #	Level	Field Name	Offset	Data Type	Comments
017	03	REPLY-EXPECTED	40	Binary (16) Signed	
018	03	ACKNOWLEDGE	40	Binary (16) Signed	Redefines RELY-EXPECTED
019	03	MSG-LENGTH	42	Binary (16) Signed	

NOTE:

All items listed with a **Message Data Definition Name** are logged and each logged record is preceded by the LOGHDRT layout which contains:

- Timestamp of the Log file open
- Timestamp of the Log record write
- Node name
- MTF version number

Message Codes List

The following table describes each of the message codes and steps used by CHPNS system and includes the data definition information used for any records in the log files.

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
400	Financial Transaction	<ul style="list-style-type: none"> • Variable length log determined by segment flags. • Steps 9, 21, 25, 50, 51, 86, 87, 88 are logged. 	CNX0400
	Step 1	Sent from CH to TH (not a FINIPC but a CH IPC).	
	Step 2	Sent from Acquiring PI or TH to PMC	
	Step 3	Returned from PMC to acquiring PI or TH.	
	Step 4	Sent from Acquiring PI or TH to AP or Issuing PI.	
	Step 6	Returned from AP or Issuing PI to Acquiring PI or TH.	
	Step 7	Sent from TH to Pend and sent from TH to CH	

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
	Step 8	Sent from CH to TH (CH ACK/NAK, not a FINIPC but a CH IPC).	
	Step 9	Acquiring PI or TH to Logger: authorizations, financial, and advice or notification not rejected by PMC. Acquiring PI to Logger (advice rejected by PMC). Acquiring TH to Pend (ACK received). Acquiring TH to Totals (ACK received, not a FINIPC but a Totals update request). Acquiring EDC TH to PI (resend if terminal totals and Connex™ on HP NonStop system totals don't match). See retransmission bit in def 0400--word 0, bit 2 in processing flag.	
	Step 10	Internally with the TH, completion received from Terminal TH to Pend (completion message received).	
	Step 11	TH to Pend (completion message received).	
	Step 12	Positive completion notification sent to Issuing PI	
	Step 13	TH to Logger, update FINIPC Segment 24 with EMV reply status.	
	Step 21	Acquiring PI or TH to Logger to AP, or the issuing PI (reversals for accepted transactions only). Acquiring PI or TH to AP or Issuing PI (advice or notification). TH to Pend (reversals only).	
	Step 25	Reversal rejected by PMC sent to Logger by Acquiring PI. Authorization requests rejected by PMC sent to issuing PI by Acquiring PI and TH.	
	Step 26	Advice or notifications rejected by PMC, sent to Logger by Acquiring TH.	
	Step 50	Sent from AP to Logger (advice, notification, and reversal only)	
	Step 51	Issuing PI to Logger (advice, notification, and reversals only)	

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
	Step 86	Issuing PI to Logger (advices and notifications if the issuer does not accept advices or notifications).	
	Step 87	Issuing PI to Logger (an advice notification that an optional preauthorized advice or notification turned into a financial request, while waiting for a financial response Connex™ on HP NonStop system times out the request. The time was not delivered and out of balance condition exists.	
	Step 88	Issuing PI to Logger (an advice or notification that a preauthorized request, advice or notification was not able to turn into a reversal for the issuer if the originally authorized amount is zero. This indicates that the acquiring message format does not include the originally authorized amount or that the pend item for the original preauthorization was not found. The PI cannot determine the amount of the reversal. The item could not be delivered using the issuer's selection and an out of balance condition exists.	
	Step 121	Item forwarded from Pend process to a process using the originating process requesting that the pended item is sent to a process after some specific time had expired.	
401	OPEN		
402	OAR messages.		
404	OPEN		
405	PIN Verification message from AP to PMC.		CNX0405 definition.

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
406	PIN change message from AP to PMC.		CNX0406 definition.
407	Card Application Block message from AP to PMC.		CNX0407 definition.
408	Card Risk Management message from AP to PMC.		CNX0408 definition.
409	Unblock Script message from AP to PMC.		CNX0409 definition.
410	Adjustment message.		ADJDEF-AGER definition.
411-429	OPEN		
430	Invalid authorization response.		
	Step 1	Financial transaction reply reject (for example, a 137 is sent and the data logged is the CNX0400 definition built from the 135).	
	Step 2	Financial transaction late or unsolicited response (data received, for example 135 definition).	
	Step 3	Financial transaction late or unsolicited response (data sent, for example 143 definition).	

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
	Step 4	Financial transaction approvals that cannot be handled because of currency conversion problems, processing code changes not supported or partial approvals not supported which are auto-reversed (data received, e.g. I35 definition)	
	Step 5	Financial transaction approvals that cannot be handled because of currency conversion problems, processing code changes not supported or partial approvals not supported which are auto-reversed (data sent, e.g. I43 definition)	
431-439	OPEN		
440		Host log on/off related messages.	
441		End of log file marker	CNX0441-MESSAGE definition preceded by a HEADER definition
442	Start/stop to host messages.		E002 definition preceded by a HEADER definition.
	Step 0	No error; otherwise error number is the step code.	
443-449	OPEN		
450		Negative file maintenance messages.	CNX0450 definition
	Step 1	Routing request to PMC	
	Step 3	Response sent to host	
	Step 10	Request from FMR or another PI to be sent out	
	Step 12	Special DA item	
	Step 13	Response from host	

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
	Step 23	Negative maintenance that cannot be handled due to processor ID not supported by the Acquirer PI	
451-459	OPEN		
460		Terminal totals update request message.	
461		Terminal totals inquiry request/reply message (new POS format).	CNX0461 definition
462		An I49 balance update message sent from an issuer PI to AP (never logged). Endpoint cutoff message (intercept terminal or host service line).	E004-MSG or E009-LOG definitions preceded by a HEADER definition.
463	Key change messages.		I7x definition if Format 8 or a special PI, their external message format.
464	Move ttf file request/restore in CP.		CNX0464 definition.
465	OPEN		
466	Exception log message.	Log exceptions are logged by Processor Interface for various exception conditions. See the Processor Interface Workbook for a list of exception conditions, data definitions and field usage for your environment's PI. See the AS 2805 PI Workbook for the exception conditions, data definitions and field usage in the FDRA environment.	LOGEXCP, EXCP-TOTALS, EXCP-ADJUST, EXCP-REJ-REV, EXCP-FEE, or EXCP-ADMIN definitions preceded by a HEADER definition. LOGEXCP is the main definition used by the AS 2805 PI for logging exceptions as defined.
467-468	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
469	Terminal Totals update completion message.		CNX0469 definition.
470	E098	All structures are preceded by a HEADER definition. Duplicates are distinguished from raw date (for example, lxx is in the data).	
	Step 0	Received from acquirer or issuer (for example, 199 definition).	
	Step 1 through 99	Sent to acquirer or issuer (for example, 199 definition)	
	Step 49	Advice or notification application response sent to acquirer (for example, 149 definition).	
	Step 51	Financial transaction reply reject (for example, 137 definition we receive).	
	Step 80	End-of-day cutoff complete received (for example, 180 definition).	
	Step 81	End-of-day cutoff complete received (for example, 181 definition).	
	Step 82	End-of-day cutoff complete received (for example, 181 definition).	
	Step 83	End-of-day cutoff complete received (for example, 181 definition).	
471-479	OPEN		
480		Step code includes the value from the error field in the CH-IPC. The error is the reason for the reject or denial. TH edit reject or transaction denial.	CH-IPC definition
481		Out of context reply from PMC received by TH. Out of context reply from AP server received by APEX. Financial cannot be routed by Acquirer PI to an Issuer.	CNX0400 definition

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
482		Out of context completion from device received by TH. Rejected reversal, force post or denial advice by AP.	CNX0400 definition
483		Terminal/canister cash management adjustment/reset transaction by AP.	
484		Rejected online balance update or approval code update by AP.	APOMS003 definition preceded by a HEADER definition.
485-489	OPEN		
490	EOD terminal totals		CNX0490
491-499	OPEN		
500-549	Datacom IPC Messages		
500	Sent from PI to CH		
501	OPEN		
502	Session control		
	Step 0	SSAP table establishment	
	Step 1	Session active	
	Step 2	Session down	
	Step 3	Session quiesced??	
503	Send flow control		
504	Receive flow control		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
505	SNA exception response		
506	SNA bind received		
507-548	OPEN		
549		IPC communication between two communications handlers or a communication handler and a non-communication handler process.	
550-599	Command messages		
550	Checkpoint read request		
551	Checkpoint read reply		
552-559	OPEN		
560	Device start/stop commands		
561	Line open/close/modify retry count/modify poll interval commands.		
562-569	OPEN		
570	AP Balance Refresh notification		
571	AP institution cutoff notification		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
572	AP Cooperative institution status change		
573	Swap log file		
574	AP Cooperative processor status changes		
575-579	OPEN		
580	Clear Statistics		
581	Quiesce?? activity request		
582	Shutdown process request	Process less <11 not shut down until the 1504 message is received.	
583	Restart process request		
584	EOD notification to TH and PI	Triggers EOD start advice to processors.	
585	Restart security device		
586	Refresh propriety swap file request		
587	Refresh shared swap file request		
588-596	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
597	Process alive and well notification		
598	EOD completed notification to PI	Triggers EOD completed advice to processors.	
599	Start activity request		
600	Admin Messages		CNX0600 definition.
601-609	OPEN		
610-519	Messages sent by TH to CH to transmit to terminal.		
610	Send open to terminal ack/nak		
611	Send close to terminal ack/nak		
612-614	OPEN		
615	Command in progress		
616-619	OPEN		
620-649	Messages sent to Logger for audit		
620	Usage file reset audit		Logged without a fixed structure definition.
621	Card capture notification		CNxE52X definition.

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
622	Large private data audit		
623	ATM electronic journal data	Journal data is in raw vendor format.	CNX0623 definition.
624	Dial Terminal Status Message		CNX0624 definition
625-640	OPEN		
641	EOD notification to Logger		
642-644	OPEN		
645-649	Messages sent to any online process		
645	Text level command		
646-649	OPEN		
650-659	Messages to/from Event Manager		
650	EOD even (also notification of EOD to totals)		
651	Request for current EOD cutoff time		
652-659	OPEN		
660-663	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
664	Control group responsibility update		
665	OPEN		
666	OPEN		
667	Utility process completed work notification.		
668	OPEN		
669	Non-keyboard command		
670	OPEN		
671	Calendar rebuild notification		
672-679	OPEN		
680	Control group assignments		
681-689	OPEN		
690	Pend request from PI		
691	PEN TH status update request		
692	Pend TH status retrieval request		
693	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
694	Temporary Override Message		CNX0694 definition
695	MMM File Maintenance Message		CNX0695 definition
696-699	OPEN		
700-799	Maintenance related messages		
700	Maintenance activity log message		FMR-AUDIT definition preceded by a HEADER definition.
701	CED batch maintenance activity log message		FMRCED definition preceded by a HEADER definition.
702	HDS maintenance activity log message		
703		ETC check authorization system velocity parameters maintenance activity log message.	VEL-PARAM-LOG definition less FMR-DATA definition preceded by a HEADER definition (note DDL structure is ETCVLLOG).
704-799	OPEN		
800-849	Disaster avoidance		
800-849	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
850-899	AP Maintenance messages		
850	Cardholder information maintenance	Step code is the AP segment number maintained.	APLMS100-DEF definition preceded by a HEADER definition.
851		Raw AP cardholder information maintenance forwarded to PI	
851	Pre-note request	Duplicate must be resolved if implemented on Connex on HP NonStop	
852		Raw AP negative maintenance forwarded to PI	
853		APM response to AP cardholder maintenance from host	
854-859	OPEN		
860	Account Detail information maintenance	Step code is the AP segment number maintained	APLMS100-DEF definition preceded by a HEADER definition.
861		Raw AP Account Detail information maintenance forwarded to PI.	
862	OPEN		
863		APM response to AP Account Detail maintenance from the host.	
864-869	OPEN		
870		APLMS10-DEF definition less AP-LOG-HEADER-DEF definition preceded by a HEADER definition. Unrecognized segment number or record type.	
871-879	OPEN		
880	Fraud Detail information maintenance	Step code is the AP segment number maintained.	

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
881-889	OPEN		
890	VRU Auditing Information.		
891	Access Auditing Information.	Action field indicates the access.	AUDTLOG-def definition.
892-899	OPEN		
900-909	Settlement control check messages.		
900	Activity log file.	Open marker (includes last close time).	CNX0900 definition preceded by a HEADER definition.
901		Activity log file close marker (includes record count and hash values from Logger for verification by Log Unload).	CNX0901 definition preceded by a HEADER definition.
902		End of all unloaded log data marker (includes record count and hash values from Log Unload for verification by Settlement and the unload sequence number)	CNX0902 definition preceded by a HEADER definition.
903		Logger inactivity message generated based on specified interval if not activity is received by Logger to be logged within the interval.	HEADER definition only.
904	Unload Control Message		CNX0904 definition.
905-909	OPEN		
910-939	OPEN		
940-960		Administrative message service messages.	
940-960	OPEN		
961-995	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
996			CNX0400 definition.
	Step 0	Cannot route authorization request to cooperative host from AP, cannot handle financial because the issuer processor is not supported by the PI, and alternate authorizer could not send request and now the primary authorizer does not support the issuer processor received in the message.	
	Step1	Invalid step code received by issuer PI.	
997-999	OPEN		
1000-1099	Connex™ on HP NonStop Settlement messages		
1000		Processor message to batch process from Report Control or process message from batch process that is not processor dependent on Report Control for processing problems.	
1001-1099	OPEN		
1100	Home Banking Advantage event message		CNX1100 definition
1101	Home Banking Pathway event message		CNX1101 definition
1102	Home Banking CyberWeb event message		CNX1102 definition

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
1103	Home Banking SP/ Architect Bank event message		CNX1103 definition
1104	Home Banking SP/ Architect event message		CNX1104 definition
1105-1199	OPEN		
1200-1299	Customer unique messages		
1200	BOA history item		
1201		Quantum posting memo	
1202		Nets utility request/reply	
1203	Society POD adjustment		
1204		Merchants West Germany text totals sent to terminal in response to terminal totals inquiry with reset request.	
1205		FSP adjustment/representments/ chargebacks initiated from PLUS ISO PI to FIS ISP PI host link (format of data is FIS ISO PI format fixed message structure).	
1206	EDC terminal totals	CNX1206 definition. Connex™ on HP NonStop totals always logged. Use processing code 920000. Terminal totals logged if original doesn't match Connex™ on HP NonStop totals. Use processing code 960000.	CNX1206 definition.
1207	POS Tip/Tax Message		CNX1207 definition.
1208-1299	OPEN		
1300-1301	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
1302	Falcon prefix totals Message		CNX1302 definition.
1303-1399	OPEN		
1400	Security Service Device Key Message		CNX1400 definition.
1401	Security Service Remote Key Message		CNX1401 definition
1402-1499	OPEN		
1500-1699	Network Monitoring Messages		
1500	Command message to Netmon and NMQ from NMI.		
1501	Process not restarted notification.		
1502	Inquiry command response text.		CNX1502 definition.
1503		Shutdown notification to Process Control.	
1504		Shutdown process request for process classes <11.	
1505	Process restarted notification.		
1506	OPEN		
1507	OPEN		
1508	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
1509	Alert message request		
1510	Alert message display		
1511	Alert message audit		CNX1511 definition.
1512	Alert message history		
1513		Fatal error notification to Process Control that the process should not be recreated.	
1514-1517	OPEN		
1518	Alert status request.		
1519	Alert status from stataIrt to msgalrt.		
1520	Alert status display.		
1521	Alert status audit.		CNX1512 definition.
1522	Alert status history.		
1523-1549	OPEN		
1550	Routing tbl update request		
1551	Routing tbl update message		
1552	Single entry update message		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
1553-1599	OPEN		
1600		Command to any switch process except to NMQ or Network Monitor.	
1601		Broad cast command to any switch process except NMQ or Network Monitor.	
1602		Pathway initiated command.	CNX1602 definition.
1603		Statistics inquiry request.	
1604		Connex™ on HP NonStop utility command.	
1605		Process inquiry request from NMQ.	
1606		Process inquiry response data for NMQ.	
1607-1699	OPEN		
1700-1749	OPEN		
1750-1799	Statistics Monitor messages.		
1750	Financial Transaction Message from Dist to collector.		
1751	All other transaction Message from Dist to collector.		
1752	History file name message.		
1753	Minimum transaction trigger message(Over 60 mins).		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
1754	History file name message(Under 60 mins).		
1755	Blocked message		
1756	1801/1802 messages Dist to collector		
1757	Single PAN Transaction watch message		
1758	1100/1104 home banking messages		
1759-1764	OPEN		
1765	Falcon Statistics Message from Falcon to Logger.		
1766-1799	OPEN		
1800-1899		Statistics and billing information from online applications.	
1801	POS call logging by CH.		CNX1801 definition.
1802		POS statistics logging by CH.	
1803		POS X.25 statistics logging by CH (future when PO on X.25 is done).	
1804	Terminal load billing information.		CNX1804 definition.
1805	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
1806	Transaction detail recall		CNX1806 definition.
1807	Statistics logged on interval.		CNX1603 definition with Stats field defined by LGSTAT,PISTAT, PNSTAT or TTSTAT definitions.
1808		AP annual card service fee (future implementation).	
1809		Merchant Host supported response time and host performance data as supplied by merchant.	
1810-1899	OPEN		
1900-1999	Transaction Storage messages		
1900		IPC message between Logger and LFX, used to pass access keys and long range historical data.	
1901	OPEN		
1902		IPC message between LFX and LFXR, used to pass beginning and ending RBA/offset pairs to determine recovery holes.	
1903		IPC message between LFX and LFXR, used to request the creation of missing LFX files.	
1904-1999	OPEN		
2000	TH transaction message from NMQ to MCG server.		
2001	ATM terminal message from NMQ to MCG server.		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
2002	Totals message from NMQ to MCG server.		
2003	Error message from NMQ to MCG server.		
2004-2009	OPEN		
2010	MCG History message.		
2011	MCG Info message.		
2012	MCG Totals Message.		
2013-2099	OPEN		
2100	Segment Resize Message to MOM process.		
2101-2199	OPEN		
2200	Network Synchronization Message.		
2201-2399	OPEN		
2400	Token data Message.		
2401-2499	OPEN		
2500-2599	OPEN		
2600-2699	OPEN		
2700-2799	OPEN		
2800-2899	OPEN		
2900-2999	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
3000-3099	OPEN		
3100-3199	OPEN		
3200-3299	OPEN		
3300-3399	OPEN		
3400-3499	OPEN		
3500-3599	OPEN		
3600-3699	OPEN		
3700-3799	OPEN		
3800-3899	OPEN		
3900-3999	OPEN		
4000-4099	OPEN		
4100-4199	OPEN		
4200-4299	OPEN		
4300-4399	OPEN		
4400-4499	OPEN		
4500-4599	OPEN		
4600-4699	OPEN		
4700-4799	OPEN		
4800-4899	OPEN		
4900-4999	OPEN		
5000-5099		Standard Pathway functionality	
5000		Application user activity for billing	AHLASS definition preceded by a HEADER definition.
5001-5099	OPEN		

Message Code	Message Type or Step Code	Description and Comments	Message Data Definition Name
5100-5199	ANA application.		
5100		TES data base parameter and rules maintenance.	TESLG010-AGER, TESLG020-AGER, TESLG030-AGER, TESLG040-AGER, TESLG041-AGER, TESLG050-AGER, TESLG910-AGER, and TESLG920-AGER definitions.
5101-5199	OPEN		

Step Codes List

Step	Format	Source	Destination	Logged	Description
0	FINIPC	PI	Logger	Yes	Notification Responses. This is currently created only for CITI Processor Interface.
1	CHIPC	CH	TH	NO	Initial transaction received from a terminal.
2	FINIPC	TH and PI	PMC	No	Sent to PMC to determine routing and perform edits.
3	FINIPC	PMC	TH or PI	No	Returned from PMC with routing information or rejection.
4	FINIPC	TH or PI	AP or PI	No	Authorization request.
6	FINIPC	AP or PI	TH or PI	No	Authorization request.
7	FINIPC	TH or PI	Pend and CH	No	Authorization request.
8	CHIPC	CH	TH	No	Ack or nak received from terminal.
9	FINIPC	PI or TH	Logger	Yes	Original transactions, advices and notifications.
9	FINIPC	TH	Pend	No	Original transactions, advices, and notifications.
9	Totals Update	TH	Totals	No	Original transactions, advices, and notifications.
10	FINIPC	TH	TH	No	Completion message received, used internally within a TH.
11	FINIPC	TH	Pend	No	Completion message received.
12	FINIPC	TH or PI	PI	No	Positive completion notification (only if required by issuer).
13	FINIPC	TH	Logger	Yes	Segment 24 updated with EMV reply status.
19	FINIPC	TH	Logger	Yes	Log update for ATM bill counts (future).
21	FINIPC	TH or PI	AP or PI	No	Reversals, advices or notifications.
21	FINIPC	TH or PI	Logger	Yes	Reversals
21	FINIPC	TH	Pend	No	Reversals

Step	Format	Source	Destination	Logged	Description
25	FINIPC	PI or TH	Logger	Yes	Reversals rejected by PMC.
25	FINIPC	PI or TH	AP or PI	No	Rejected authorization requests (only if required by issuer).
26	FINIPC	TH	Logger	Yes	PMC rejected advices and notifications.
50	FINIPC	AP	Logger	Yes	Advices, notifications and reversals.
51	FINIPC	PI	Logger	Yes	Advices, notifications and reversals.
86	FINIPC	PI	Logger	Yes	Advices, notifications and reversals for issuers that don't accept them.
87	FINIPC	PI	Logger	Yes	Time-out advices or notifications that were changed to requests.
88	FINIPC	PI	Logger	Yes	Zero amount advices or notifications that were not turned into reversals.
121	FINIPC	Pend	TH or PI	No	Timed-out item returned from Pend to the original process.

Additional FINIPC fields

Message Function Codes List

Function Code	Function Description
100	Original authorization - Amount accurate.
101	Original authorization - Amount estimated.
102	Replacement authorization - Amount accurate.
103	Replacement authorization - Amount estimated.
104	Resubmission - Amount accurate.
105	Resubmission - Amount estimated.
106	Supplementary authorization - Amount accurate.
107	Supplementary authorization - Amount estimated.
108	Inquiry
180	Notification
181	Merchant authorized authorization request
182	Card validation
200	Original financial request/advice.
201	Previously approved authorization - Amount same.
202	Previously approved authorization - Amount differs
203	Resubmission of previously denied financial request.
204	Resubmission of previously reversed financial transaction.
205	First representment.
206	Second representment.
207	Third or subsequent representment.
280	Merchant authorized financial request
400	Full reversal - Transaction did not complete as approved.
401	Partial reversal - Transaction did not complete for full amount.
410	All reversal function codes.
440	Reversal for denied transaction.
570	Terminal day totals at Network EOD.

Function Code	Function Description
571	Network business day totals.
572	Terminal day inquiry with reset request.
573	Terminal day inquiry - No reset request.
574	Shift inquiry with reset request.
575	Shift inquiry - No reset request.
576	Batch inquiry with reset request.
577	Batch inquiry - No reset request.
578	Terminal day at Network EOD historical request.
579	Network business day historical request.
580	Terminal day historical request.
581	Shift totals historical request.
582	Batch totals historical request.
583	Cash add.
584	Cash decrement.
585	Cash reset.
586	End settlement.
587	Close to replenish.
595	Teller Deposits
640	Card capture notification.
641	Admin messages.

Message Action Codes List

Code	Description
000	Approved.
001	Honor with identification.
002	Approved for partial amount.
003	Approved (VIP).
004	Approved - Update track 3.
005	Approved - Account type specified by card issuer.
006	Approved for partial amount - Account type specified by card issuer.
007	Approved - Update ICC.
009	Approval with overdraft.
010	Purchase only approval, for purchase with cash back transaction.
080	Allowable number of PAN entries warning.
081	Qualified approval; funds not immediately available.
100	Do not honor.
101	Expired card.
102	Suspected fraud.
103	Card acceptor contact acquirer.
104	Permanent restraint (return card).
105	Card acceptor call acquirer's security department.
106	Allowable PIN tries exceeded (return card).
107	Refer to card issuer.
108	Refer to card issuer's special condition.
109	Invalid merchant.
110	Invalid amount.
111	Invalid card number.
112	PIN data required.
113	Unacceptable fee.
114	No account of type requested.
115	Requested function not supported.

Code	Description
116	Not sufficient funds.
117	Incorrect PIN.
118	No card record.
119	Transaction not permitted for cardholder.
120	Transaction not permitted at terminal.
121	Exceeds withdrawal amount limit.
122	Security violation.
123	Exceeds withdrawal frequency limit.
124	Violation of law.
125	Card not effective.
126	Invalid PIN block.
127	PIN length error.
128	PIN key synch error.
129	Suspected counterfeit card.
180	Lost card (no pickup).
181	Authorization life cycle unacceptable.
182	Authorization life cycle expired.
183	Closed account.
184	Dormant account.
185	Special conditions (no pickup).
186	Item specified in error.
187	Information unavailable.
188	Card Verification Value (CVV) verification failed (no pickup).
190	No unspecified funding account available.
191	No other account available.
192	No savings account available.
193	No checking account available.
194	No credit account available.
195	No universal account available.

Code	Description
196	No investment account available.
197	Cash back amount exceeded.
198	Check and usage exceeded.
199	Cash back and usage exceeded.
200	Do not honor (pick up card).
201	Expired card (pick up card).
202	Suspected fraud (pick up card).
203	Card acceptor contact acquirer (pick up card).
204	Restricted card (pick up card).
205	Card acceptor call acquirer's security department (pick up card).
206	Allowable PIN tries exceeded (pick up card).
207	Special conditions (pick up card).
208	Lost card (pick up card).
209	Stolen card (pick up card).
210	Suspected counterfeit card (pick up card).
280	Exceeds withdrawal frequency limit.
281	Exceeds withdrawal limit amount.
282	Expiration date mismatch (card capture).
300	Successful file update.
301	Not supported by receiver.
303	Duplicate record, old record replaced.
304	Field edit error.
305	File locked out.
306	Processing error - try later.
307	Format error.
308	Duplicate account on Negative File.
309	Unknown file.
380	Invalid card (cardholder) number
400	Accepted.

Code	Description
480	Rejected reversal.
900	Advice acknowledged - No financial liability accepted.
901	Advice acknowledged - financial liability accepted.
902	Invalid transaction.
903	Re-enter transaction.
904	Format error.
905	Acquirer not supported by switch.
906	Cutover in process.
907	Card issuer or switch inoperative.
908	Transaction destination for routing not found.
909	System malfunction.
910	Card issuer signed off.
911	Card issuer timed out.
912	Card issuer unavailable.
913	Duplicate transmission.
914	Not able to trace back to original transaction.
915	Reconciliation cutover or checkpoint error.
916	MAC incorrect.
917	MAC key sync error.
918	No communication keys available for use.
919	Encryption key sync error.
920	Security software/hardware error - Try again.
921	Security software/hardware error - No action.
922	Message number out of sequence.
923	Request in progress.
940	Invalid security code.
949	Issuer requests stand-in.
A00	Check not acceptable for cash.
A01	Check not acceptable.

Code	Description
A02	Check deposit limit exceeded.
A03	Check cash back limit exceeded.
A04	Check amount does not match courtesy amount.
A05	PIN not selected.
A06	PIN already selected.
A07	Unmatched voucher information.
A08	Allowable number of PAN tries exceeded.
A09	Expiration date mismatch.
A10	Inactive card.
A11	Invalid digital signature.
A12	Item suspected for stop pay.
A13	Account closed.
A14	Ineligible account.
A15	Item submitted more than two times.
A16	No account on file - absolute.
A17	Unable to locate.
A18	General denial.
A19	Item settled via ACH.
A20	Cross-reference card not found.
A21	Category limit exceeded.
A22	Transaction limit exceeded.
A23	Daily limit exceeded.
A24	Monthly limit exceeded.
A25	Invalid secret PIN.
A26	Bad CVV2.
A27	Stop payment order.
A28	Revocation of authorization order.
A29	Risk block
A30	Stop reoccurring payments.

Code	Description
A31	Mobile operator/carrier unavailable.
A32	Exceeds sales tax tolerance.
A33	No wireless number entered.
A34	Unable to retrieve a recharge PIN for the requested amount.
A35	Invalid mobile number.
A36	Restricted mobile number.
A37	Denied by real time scoring.
A38	Insufficient funds for fees.
A39	Bad CVV3.
A40	ARQC validation failed for chip card.
A45	Cardholder - contact issuer.
A47	Sender BIN does not participate in A2A.
A48	Receiver BIN does not participate in A2A.
A49	Mobile Reject.
A50	Reject/block received from Fraud Manager.
A51	Foreign Withdrawal Limit Exceeded on FraudNavigator.
A55	Unsafe PIN.
A56	Additional customer authentication required.

Message Reason Codes List

Reason Code	Description
1000	Stand-in processing at the card issuer's option
1001	Card issuer signed off
1002	Card issuer timed out on original request
1003	Card issuer unavailable
1004	Terminal processed
1005	ICC processed
1006	Under floor limit
1007	Stand-in processing at the acquirer's option
1008	Transaction not sent to issuer
1009	Transaction Blocking
1010	Additional Authentication required
10~~	All advice/notification reasons instead of request (part 1)
1121	Account lookup service
11~~	All advice/notification reasons instead of request (part 2)
12~~	All advice/notification reasons instead of request (part 3)
1376	No communications keys available for use
1377	Authorized by alternate means
1378	Over dispense
1379	MAC key not yet established
1381	Check not returned
1382	Issuer requested stand-in
1383	Notification of Multiple message not completed
1384	Bill mix change notice
13~~	All advice/notification reasons instead of request (part 4)
14~~	All advice/notification reasons instead of request (part 5)
1500	ICC application, common data file unable to process
1501	ICC application, application data file unable to process
1502	ICC random selection

Reason Code	Description
1503	Terminal random selection
1504	Terminal not able to process ICC
1505	On line forced by ICC (CDF or ADF)
1506	On line forced by card acceptor
1507	On line forced by CAD to be updated
1508	On line forced by terminal
1509	On line forced by card issuer
1510	Over floor limit
1511	Merchant suspicious
15~~	All request reasons instead of advice/notification (part 1)
16~~	All request reasons instead of advice/notification (part 2)
17~~	All request reasons instead of advice/notification (part 3)
18~~	All request reasons instead of advice/notification (part 4)
19~~	All request reasons instead of advice/notification (part 5)
3700	Token create
3701	Token deactivate
3702	Token suspend
3703	Token resume
3711	Device provisioning result
3712	OTP verification result
3713	Call center activation
3714	Mobile banking app activation
3715	Replenishment Confirmation of limited use keys
3716	Tokenization exception event
3717	Token Replacement
3718	Token Expiry update
3720	PAN expiration date update
3721	PAN replacement
4000	Customer cancellation

Reason Code	Description
4001	Unspecified, no action taken
4002	Suspected malfunction
4003	Format error, no action taken
4004	Completed partially
4005	Original amount incorrect
4006	Response received too late
4007	Card acceptor device unable to complete transaction
4008	Deposit out of balance
4009	No check in envelope
4010	Payment out of balance
4011	Deposit out of balance/applied contents
4012	Payment out of balance/applied contents
4013	Unable to deliver message to point of service
4014	Suspected malfunction/card retained
4015	Suspected malfunction/card returned
4016	Suspected malfunction/track 3 not updated
4017	Suspected malfunction/no cash dispensed
4018	Timed-out at taking money/no cash dispensed
4019	Timed-out at taking card/card retained and no cash dispensed
4020	Invalid response, no action taken
4021	Timeout waiting for response
4022	Suspect Fraud
40~~	All reversal reasons (part 1)
41~~	All reversal reasons (part 2)
42~~	All reversal reasons (part 3)
4351	Partial Reversal for Incremental Authorization
4352	No Completion
4353	Check cannot be retained
4354	Zero dollar reversal - timeout

Reason Code	Description
4355	Zero dollar reversal - retract
4356	Zero dollar reversal - powerfail
4357	Zero dollar reversal - possible fraud
4358	Tran verify - partial reversal
4359	Tran verify - full reversal
4360	A2A Immediate funds not allowed
43~~	All reversal reasons (part 4)
44~~	All reversal reasons (part 5)
5600	Terminal cash management at device level
5601	Canister 1 cash management
5602	Canister 2 cash management
5603	Canister 3 cash management
5604	Canister 4 cash management
5605	Canister 5 cash management
5606	Canister 6 cash management
5607	Canister 7 cash management
5608	Canister 8 cash management
5609	Terminal cash management at canister level

Connex™ Data Private Acquirer

ISO

The following CNX^DATA^PRIV^ACQR (segment 3 of the FINIPC) field information is used by the ISO Processor Interface

The following information defines how the ISO Processor Interface use the field CNX^DATA^PRIV^ACQR (segment 3 of the FINIPC).

NOTE

This field is used differently by the Terminal Handler.

ISO PI Field Name	Offset	Length in Bytes
acqur^iso^rsp	0	2
iso^pc	2	6
ico^msg^class	8	1
iso^cond	9	2
iso^entry^mode	11	3
national^cond	14	8
natl^cond^term	22	2
iso^natl^geo	24	14
iso^geo^country	38	3
fin^rev^rsn	41	2
fin^adv^rsn	43	2
inbound^pterm	45	6
tot^type^acqr	51	1
acqr^frdaba^ind	52	1
forw^frdaba^ind	53	1
iso^merch^type	54	4
iso^country	58	2
ext^acqr^iso^rsp	60	2
ext^acqr^netid^in	62	3
ext^issr^netid^out	65	3
acqr^frdaba^ckdgt	68	1
forw^frdaba^ckdgt	69	14
iso^63^map	83	1
iso^bit^map^prime	84	1
iso^bit^1^8	84	1
iso^bit^9^16	85	1
iso^bit^17^24	86	1
iso^bit^25^32	87	1
iso^bit^33^40	88	1

ISO PI Field Name	Offset	Length in Bytes
iso^bit^41^48	89	1
iso^bit^49^56	90	1
iso^bit^57^64	91	1
iso^bit^map^sec	92	1
iso^bit^65^72	92	1
iso^bit^73^80	93	1
iso^bit^81^88	94	1
iso^bit^89^96	95	1
iso^bit^97^104	96	1
iso^bit^105^112	97	1
iso^bit^113^120	98	1
iso^bit^121^128	99	1

Connex™ Private Data Issuer

ISO

The following information defines how the ISO Processor Interface uses the field CNX^DATA^PRIV^ISSR (segment 4 of the FINIPC).

NOTE	This field is used differently by the Terminal Handler.
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ISO PI Field Name	Offset	Length in Bytes
iso^rsp	0	2
error^element	2	3
outbound^pterm	5	6
tot^type^issr	11	1
auth^frdaba^ind	12	1
ext^iso^rsp	13	2

ISO PI Field Name	Offset	Length in Bytes
ext^acqr^netid^out	15	3
ext^issr^netid^in	18	3
issr^frdaba^ckdgt	21	1

Business Class Codes

Business Class Codes	Description
0742	Veterinary Services
0763	Agricultural Cooperatives
0780	Landscaping and Horticultural Services
1520	General Contractors - Residential Buildings
1711	Heating, Plumbing, Air Conditioning Contractors
1731	Electrical Contractors
1740	Masonry, Stonework, Tile Setting, Plastering, Insulation Contrct
1750	Carpentry
1761	Roofing, Siding, Sheet Metal Work
1771	Concrete Work
1799	Special Trade Contractors, not elsewhere classified
4011	Railroads
4111	Local/Suburban Commuter Passenger Transportation; Ferries
4119	Ambulance Services
4121	Taxicabs, Limousines
4131	Bus Lines, Charters, Tour Buses
4214	Motor Freight Carriers; Trucking: Local/Long Distance; Moving
4215	Courier Services - Air and Ground, Freight Forwarders
4225	Public Warehousing - Farm Products, Refrig/Household Goods
4411	Steamships, Cruise Lines
4457	Boat Rentals, Boat Leases
4468	Marinas, Marine Service - Supplies

Business Class Codes	Description
4511	Airlines, Air Carriers
4582	Airports, Flying Fields, Airport Terminals
4722	Travel Agencies
4761	Telemarketing: Travel Related Services, Vitamins
4784	Tolls, Bridge Fees
4789	Transportation Services, not elsewhere classified
4812	Telecommunication Equipment including Telephone Sales
4814	Telecomm Service: Local/Long Distance Calls, Fax Services
4821	Telegraph Services
4829	Wire Transfer, Money Orders
4899	Cable Services
4900	Utilities - Electric, Gas, Water, Sanitary
5211	Lumber, Building Materials Stores
5231	Glass, Paint, Wallpaper Stores
5251	Hardware Stores
5261	Nurseries, Lawn, Garden Supply Stores
5271	Mobile Home Dealers
5310	Discount Stores
5311	Department Stores
5331	Variety Stores
5399	Miscellaneous General Merchandise Stores
5411	Grocery Stores, Supermarkets
5422	Freezer, Locker Meat Provisioners
5441	Candy, Nut, Confectionery Stores
5451	Dairy Products Stores
5462	Bakeries
5499	Miscellaneous Food Stores - Speciality Markets, Convenience
5511	Auto & Truck Dealers (new & used) Sales, Service, Parts

Business Class Codes	Description
5521	Auto & Truck Dealers (used only) Sales
5531	Auto Stores, Home Supply Stores
5532	Automotive Tire Stores
5533	Automotive Parts, Accessories Stores
5541	Service Stations
5542	Automated Gasoline Dispensers
5551	Boat Dealers
5561	Recreational & Utility Trailers, Camper Dealers
5571	Motorcycle Dealers
5592	Motor Home Dealers
5598	Snowmobile Dealers
5599	Miscellaneous Automotive Dealers, not elsewhere classified
5611	Men's & Boy's Clothing and Accessory Stores
5621	Women's Ready to Wear Stores
5631	Women's Accessory and Specialty Stores
5641	Children's & Infant's Wear Stores
5651	Family Clothing Stores
5655	Sports Apparel, Riding Apparel Stores
5661	Shoe Stores
5681	Furriers, Fur Shops
5691	Men's and Women's Clothing Stores
5697	Tailors, Seamstresses, Mending, Alterations
5698	Wig and Toupee Stores
5699	Miscellaneous Apparel & Accessory Stores
5712	Furniture, Home Furnishings & Equipment, not Appliances
5713	Floor Covering Stores
5714	Drapery, Window Coverings, Upholstery
5718	Fireplace, Fireplace Screens & Accessories Stores

Business Class Codes	Description
5719	Miscellaneous House Furnishing Specialty Stores
5722	Household Appliance Stores
5732	Radio, Television & Stereo Stores
5733	Music Stores, Musical Instruments, Pianos, Sheet Music
5734	Computer Software Stores
5735	Record Stores
5811	Caterers
5812	Eating Places, Restaurants
5813	Drinking Places (Alcoholic Bev) - Bars, Taverns, Nightclubs
5814	Fast Food Restaurants
5912	Drug Stores, Pharmacies
5921	Package Stores, Beer, Wine, Liquor
5931	Used Merchandise Stores, Second Hand Stores
5932	Antique Shops
5933	Pawn Shops
5935	Wrecking & Salvage Yards
5937	Antique Reproduction Stores
5940	Bicycle Shops - Sales & Service
5941	Sporting Goods Stores
5942	Book Stores
5943	Stationery, Office and School Supply Stores
5944	Jewelry, Watches, Clocks and Silverware Stores
5945	Hobby, Toy & Game Stores
5946	Camera & Photographic Supply Stores
5947	Gift, Card, Novelty and Souvenir Stores
5948	Luggage & Leather Goods Stores
5949	Sewing, Needlework, Fabric & Piece Goods Stores
5950	Glassware and Crystal Stores

Business Class Codes	Description
5961	Mail Order Houses: Catalog Order Stores, Book & Record Clubs
5963	Direct Selling Establishments, Door-to-Door Sales
5970	Artist Supply & Craft Stores
5971	Art Dealers & Galleries
5972	Stamp & Coin Stores - Philatelic & Numismatic Supplies
5973	Religious Goods Stores
5974	Rubber Stamp Stores
5975	Hearing Aids - Sales, Service, Supply Stores
5976	Orthopedic Goods - Artificial Limb Stores
5977	Cosmetic Stores
5978	Typewriter Stores - Sales, Service, Rentals
5983	Fuel Dealers - Fuel Oil, Wood, Coal, Liquefied Petroleum
5992	Florists
5993	Cigar Stores and Stands
5994	News Dealers & Newsstands
5995	Pet Shops, Pet Food and Supplies
5996	Swimming Pools - Sales & Supplies
5997	Electric Razor Stores - Sales & Service
5998	Tent and Awning Stores
5999	Miscellaneous & Specialty Retail Stores
6010	Financial Institutions - Manual Cash Disbursements
6011	Financial Institutions - Automated Cash Disbursements
6012	Financial Institutions - Merchandise and Services
6051	Non Financial Insts - Foreign Currency, Money Orders, Scrip
6211	Securities - Brokers and Dealers
6300	Insurance - Sales and Underwriting
6381	Insurance Premiums
6399	Insurance, not elsewhere classified

Business Class Codes	Description
6611	Overpayments, Reclamation
6760	Savings Bonds
7011	Lodging - Hotels, Motels, Resorts
7032	Sporting & Recreational Camps, Boys' and Girls' Camps
7033	Trailer Parks and Campgrounds
7210	Laundry, Cleaning and Garment Services
7211	Laundry Services - Family and Commercial
7216	Dry Cleaners
7217	Carpet and Upholstery Cleaning
7221	Photographic Studios
7230	Beauty Shops, Barber Shops
7251	Shoe Repair Shops, Shoe Shine Parlors, Hat Cleaning Shops
7261	Funeral Service and Crematories
7273	Dating & Escort Services
7276	Tax Preparation Service
7277	Counseling Service - Marriage, Personal
7278	Buying and Shopping Services, Clubs
7279	Debt Counseling
7280	Hospital Patient Personal Funds Withdrawal Accounts
7295	Babysitting Services
7296	Clothing Rental - Costumes, Uniforms
7297	Massage Parlors
7298	Health and Beauty Spas
7299	Miscellaneous Personal Services, not elsewhere classified
7311	Advertising Services
7321	Consumer Credit Reporting Agencies
7322	Debt Collection Agencies
7332	Blueprinting and Photocopying Services

Business Class Codes	Description
7333	Commercial Photography, Art, Graphics
7338	Quick Copy and Reproduction Services
7339	Stenographic Services
7341	Window Cleaning Services
7342	Exterminating and Disinfecting Services
7349	Cleaning and Maintenance, Janitorial Services
7361	Employment Agencies, Temporary Help Services
7372	Computer and Data Processing Services
7389	Telemarketing other than Travel Related Services
7392	Management, Consulting, Public Relations Services
7393	Detective & Protective Agencies, Security, Armored Cars
7394	Equip Rental & Leasing Services, Tool/Furniture/Appl Rentals
7395	Photofinishing Laboratories, Photo Developing
7399	Business Services, not elsewhere classified
7512	Automobile Rental & Leasing
7513	Truck & Utility Trailer Rental
7519	Motor Home & Recreational Vehicle Rental
7523	Automobile Parking Lots and Garages
7531	Automobile Body Repair Shops
7534	Tire Retreading & Repair Shops
7535	Automotive Paint Shops
7538	Automotive Repair Shops (non-dealer)
7542	Car Washes
7549	Towing Services
7622	Radio, Television & Stereo Repair Shops
7623	Air Conditioning and Refrigeration Repair Shops
7629	Electrical and Small Appliance Repair Shops
7631	Watch, Clock and Jewelry Repair Shops

Business Class Codes	Description
7641	Reupholstery and Furniture Repair, Furniture Refinishing
7692	Welding
7699	Miscellaneous Repair Shops and Related Services
7832	Motion Picture Theaters
7833	Motion Picture Theaters (Quick Payment Services)
7841	Video Rental Stores
7911	Dance Halls, Studios, and Schools
7922	Theatrical Producers (except Motion Pictures), Ticket Agency
7929	Bands, Orchestras, Entertainers
7932	Billiard & Pool Establishments
7933	Bowling Alleys
7941	Commercial/Professional Sports Clubs, Athletic Fields
7991	Tourist Attractions and Exhibits
7992	Gold Courses - Public
7993	Video Amusement Game Supplies
7994	Video Game Arcades and Establishments
7995	Betting (including Lottery/Casino/Wagers at Race Track)
7996	Amusement Parks, Circuses, Carnivals, Fortune Tellers
7997	Membership Clubs (Sports, Recreation), Country Clubs
7998	Aquariums, Seaquariums, Dolphinariums
7999	Recreation Services (pools, mini golf, ski slopes, boat rental)
8011	Doctors
8021	Dentists, Orthodontists
8031	Osteopathic Physicians
8041	Chiropractors
8042	Optometrists, Ophthalmologists
8043	Opticians
8044	Optical Goods and Eyeglasses

Business Class Codes	Description
8049	Chiropodists, Podiatrists
8050	Nursing & Personal Care Facilities
8062	Hospitals
8071	Medical & Dental Laboratories
8099	Medical Services, Health Practitioners, not elsewhere listed
8111	Legal Services, Attorneys
8211	Elementary and Secondary Schools
8220	Colleges, Universities, Professional Schools & Jr Colleges
8241	Correspondence Schools
8244	Business and Secretarial Schools
8249	Vocational and Trade Schools
8299	Schools and Educational Services, not elsewhere classified
8351	Child Care Services
8398	Charitable & Social Service Organizations
8641	Civic, Social and Fraternal Associations
8651	Political Organizations
8661	Religious Organizations
8675	Automobile Associations
8699	Membership Organizations, not elsewhere classified
8911	Architectural, Engineering and Surveying Services
8931	Accounting, Auditing and Bookkeeping Services
8999	Professional Services, not elsewhere classified
9211	Court Costs, including Alimony and Child Support
9222	Fines
9223	Bail & Bond Payments
9311	Tax Payments

Business Class Codes	Description
9399	Government Services, not elsewhere classified
9401	Food Stamps
9411	Government Loan Payments

Additional Amounts Fields

Acct^Type

Possible Values

Value	Type of Account
00	Unspecified default
05	Conversion w/Verification
06	Check Debit (From)/Return (To)
07	Check Conversion Only
08	Financial Instrument, not an account (ie. cash, check)
09	Unspecified other
10	Default savings
19	Other savings
20	Default checking
29	Other checking
30	Default credit facility
39	Other credit facility
40	Default universal
49	Other universal
50	Default investment
59	Other investment
60	Load Electronic Purse Card
67	Purchase Electronic Purse Card
70	Check In

Value	Type of Account
71	Check Out
72	Attendance Sheet Request
73	Attendance Report
74	Reconciliation Report
90	Default loan
91	Mortgage loan
92	Installment loan
94	EBT Child Care Purchase Benefit
95	EBT WIC Benefit
96	EBT Cash Benefit
97	Unknown type
98	EBT Food Stamp Benefit
99	Other Loan

Amt^Type

Possible Values

Value	Type of Amount
00	Unknown
01	Account ledger balance
02	Account available balance
03	Amount owing
04	Amount due
05	Amount available credit
16	Credit line (FIS)
17	Cash advance\ATM overdraft protection balance
18	Beginning balance
19	POS balance/purchase power
20	Amount remaining this cycle

Value	Type of Amount
40	Cash Amount
41	Goods or services
56	Hold amount
57	Check amount/ Pre-Authorized amount
58	Authorized or tendered amount
59	Check count
90	Check amount
91	Original Amount
92	Coin Deposit Amount
93	Cash Deposit Amount
94	Check Deposit Amount
95	Sales Tax Amount
96	Cash Benefit Amount
97	Unknown amount type
98	Courtesy amount
99	Original cash amount
TA	Transaction amount
SF	Surcharge fee
1S	BCFS unique; Account current balance
3S	Co-payment amount
4S	Healthcare Amount
4T	Transit Amount
4U	Prescription/Rx Amount
4V	Vision/Optical Amount
4W	Clinic/Medicals Amount
4X	Dental
4Y	Unverified Deposit Amount (envelope deposits)
X	Citi unique; Top of large balance

Acct^Idx

Possible Values

Value	Description
0	From account
1	To account
2	Neither account
3	Converted From Account
4	Converted To Account
5	Converted Neither Account
97	No account

NOTE:

The TH adds 10 to the Additional **Response** Amounts index when it has formatted, for printing, the amount. This tags the amount occurrence as having been processed preventing it from being printed twice.



Cross Reference Tables

This appendix includes tables that cross references the FINIPC name with the Logscan name.

FINIPC to Logscan Cross Reference

The following table lists the FINIPC field name and the associated logscan names. All of the FINIPC fields and logscan names link to additional information in the FINIPC Segments chapter of this manual.

FINIPC Name	Logscan Name
ACCT^ID^1 See page 119 .	acct^id^1 See page 119 .
ACCT^ID^2 See page 121 .	acct^id^2 See page 121 .
ACCT^ID^3 See page 123 .	acct^id^3 See page 123 .
ACCT^IDX See page 374 .	adtl^resp^idx See page 374 .
ACCT^IDX See page 411 .	adtl^req^idx See page 411 .
ACCT^QUAL^1 See page 53 .	acct^qual^1 See page 53 .
ACCT^QUAL^2 See page 54 .	acct^qual^2 See page 54 .
ACCT^TYPE^1 See page 118 .	acct^typ^1 See page 118 .
ACCT^TYPE^2 See page 120 .	acct^typ^2 See page 120 .
ACCT^TYPE^3 See page 122 .	acct^typ^3 See page 122 .

FINIPC Name	Logscan Name
ACCT^TYPE See page 370 .	adtl^resp^acct^typ See page 370 .
ACCT^TYPE See page 408 .	adtl^req^acct^typ See page 408 .
ACKNOWLEDGE See page 33 .	reply^exp See page 33 .
ACT^CODE See page 56 .	act^code See page 56 .
ADDR See page 391 .	avs^address See page 391 .
ADLT^DATA^NATL See page 481 .	adtl^natl See page 481 .
ADTL^CK^DATA See page 484 .	no logscan name
ADTL^DATA^PRIV^ACQR See page 482 .	adtl^priv^acq See page 482 .
ADTL^DATA^PRIV^ISSR See page 483 .	adtl^priv^iss See page 483 .
ADTL^RESP^DATA See page 385 .	adtl^resp^data See page 385 .
ALT^AMOUNT See page 401 .	alternate^amt See page 401 .
ALT^CUST^ID See page 124 .	alt^cust^id See page 124 .
ALT^CUT^CODE See page 400 .	alt^cur^code See page 400 .
ALT^ROUTE.INST^ID^MAP^OPT^RESP See page 116 .	a^map^resp See page 116 .
ALT^ROUTE.INST^ID^MAP^OPT^RQST See page 115 .	a^map^req See page 115 .
ALT^ROUTE.MSG^REASON^CODE^ISSR See page 111 .	a^rcode^iss See page 111 .
ALT^ROUTE.NETWORK^ID^ISSR See page 110 .	a^iss^net^id See page 110 .
ALT^ROUTE.PROC^ID See page 108 .	a^proc^id See page 108 .

FINIPC Name	Logscan Name
ALT^ROUTE.PROCESS^ID See page 112 .	a^prcs^id See page 112 .
ALT^ROUTE.ROUTE^TO^AP See page 114 .	a^rte^ap See page 114 .
ALT^ROUTE.RPT^INST^ID^ISSR See page 109 .	a^iss^rpt^id See page 109 .
ALT^ROUTE.SPONSOR^BANK^ID See page 113 .	a^spon^bnk See page 113 .
ALT^ROUTE See page 106 .	no logscan name
AMT^CARD^BILL^FEE See page 173 .	amt^crd^bill^fee See page 173 .
AMT^CARD^BILL See page 172 .	amt^crd^bill See page 172 .
AMT^CARD^BILL See page 404 .	orig^rqst^card^bill See page 404 .
AMT^RECON^ACQR See page 403 .	orig^rqst^amt^recon^acqr See page 403 .
AMT^RECON^ACQR See page 423 .	amt^recon^acqr See page 423 .
AMT^RECON^ACQR See page 446 .	fee^amt^recon^acq See page 446 .
AMT^RECON^ACQR See page 462 .	o^fee^amt^recon^acq See page 462 .
AMT^RECON^ISSR^ALT See page 448 .	fee^amt^recon^iss^alt See page 448 .
AMT^RECON^ISSR See page 405 .	orig^rqst^amt^recon^iss See page 405 .
AMT^RECON^ISSR See page 428 .	p^amt^recon^iss See page 428 .
AMT^RECON^ISSR See page 433 .	a^amt^recon^iss See page 433 .
AMT^RECON^ISSR See page 447 .	fee^amt^recon^iss See page 447 .
AMT^RECON^ISSR See page 463 .	o^fee^amt^recon^iss See page 463 .

FINIPC Name	Logscan Name
AMT^TRAN See page 165 .	amt^tran See page 165 .
AMT^TRAN See page 402 .	orig^rqst^amt^tran See page 402 .
AMT^TYPE See page 371 .	adtl^resp^amt^typ See page 371 .
AMT^TYPE See page 409 .	adtl^req^amt^typ See page 409 .
AMTS^ORIG.AMT^CARD^BILL See page 170 .	amt^crd^bill See page 170 .
AMTS^ORIG.AMT^RECON^ACQR See page 169 .	orig^amt^recon^acq See page 169 .
AMTS^ORIG.AMT^RECON^ISSR See page 171 .	orig^amt^recon^iss See page 171 .
AMTS^ORIG.AMT^TRAN See page 168 .	orig^amt^tran See page 168 .
AMTS^ORIG See page 167 .	no logscan name
AMT See page 373 .	adtl^resp^amt See page 373 .
AMT See page 410 .	adtl^req^amt See page 410 .
AMT See page 445 .	fee^amt See page 445 .
AMT See page 461 .	o^fee^amt See page 461 .
AP^APPROVAL^CODE See page 380 .	ap^approval^code See page 380 .
AP^CARD^GRP See page 375 .	ap^crd^grp See page 375 .
AP^DATA See page 378 .	ap^data See page 378 .
AP^ERROR^NBR See page 383 .	ap^err^nbr See page 383 .
AP^ERROR^TRACE^LOC See page 382 .	ap^err^trc^loc See page 382 .

FINIPC Name	Logscan Name
AP^FILE^NBR See page 384 .	ap^fle^nbr See page 384 .
AP^PROCESS^ID See page 376 .	ap^proc^id See page 376 .
AP^REJ^REASON^CODE See page 381 .	ap^rej^reas^code See page 381 .
AP^RULE^ID See page 377 .	ap^rule^id See page 377 .
APPROVAL^CODE^LEN See page 313 .	app^code^len See page 313 .
APPROVAL^CODE See page 129 .	app^code See page 129 .
AUTH^BY See page 125 .	auth^by See page 125 .
AUTH^LIFE^CYCLE.TIME^CODE See page 59 .	auth^life^cycle^code See page 59 .
AUTH^LIFE^CYCLE.TIME^INTERVAL See page 60 .	auth^life^cycle^int See page 60 .
AUTH^LIFE^CYCLE See page 58 .	no logscan name
AUTH^RQST^TIMER See page 353 .	no logscan name
CARD^ACPT^BUSINESS See page 75 .	crd^acpt^bus See page 75 .
CARD^ACPT^COUNTRY See page 72 .	crd^acpt^cntry See page 72 .
CARD^ACPT^COUNTY See page 74 .	crd^acpt^cnty See page 74 .
CARD^ACPT^FIXED^LEN See page 70 .	crd^acpt^name^loc See page 70 .
CARD^ACPT^ID See page 67 .	crd^acpt^id See page 67 .
CARD^ACPT^INFO^IND See page 68 .	crd^acpt^info^ind See page 68 .
CARD^ACPT^NAME^LOC See page 69 .	crd^acpt^name^loc See page 69 .

FINIPC Name	Logscan Name
CARD^ACPT^POSTAL^CODE See page 73 .	crd^acpt^pc See page 73 .
CARD^ACPT^REGION See page 71 .	crd^acpt^reg See page 70 .
CARD^ACPT^TERM^ID See page 66 .	crd^acpt^term See page 66 .
CARD^CATEGORY See page 156 .	crd^cat See page 156 .
CARD^LOGO^ID See page 158 .	crd^logo See page 158 .
CARD^LOGO^LIST^ID See page 318 .	crd^logo^id See page 318 .
CARD^LOGO^OPT^ID See page 326 .	crd^logo^opt^id See page 326 .
CARD^OPT^ID See page 324 .	crd^opt^id See page 324 .
CARD^SEQ^NBR See page 90 .	crd^seq^nbr See page 90 .
CARDHOLDER^LANG^CODE See page 315 .	lang^code See page 315 .
CIRC^ID^ACQR See page 305 .	circ^id^acq See page 305 .
CIRC^ID^ISSR See page 306 .	circ^id^iss See page 306 .
CLERK^ID See page 77 .	clerk^id See page 77 .
CNX^DATA^FORMAT^ACQR See page 366 .	data^font^acq See page 366 .
CNX^DATA^FORMAT^ISSR See page 368 .	data^frmt^iss See page 368 .
CNX^DATA^PRIV^ACQR See page 367 .	data^priv^acq See page 367 .
CNX^DATA^PRIV^ISSR See page 369 .	data^priv^iss See page 369 .
CNX^NETWORK^ID See page 130 .	cnx^net^id See page 130 .

FINIPC Name	Logscan Name
CONTRACT^LIST^ID See page 316 .	cntract^id See page 316 .
CONTROLLER^ID See page 304 .	cntr^id See page 304 .
CONV^ACQR See page 440 .	fee^conv^acq See page 440 .
CONV^ACQR See page 456 .	o^fee^conv^acq See page 456 .
CONV^CARD^BILL See page 92 .	conv^crd^bill See page 92 .
CONV^ISSR^ALT See page 449 .	fee^conv^iss^alt See page 449 .
CONV^ISSR See page 442 .	fee^conv^iss See page 442 .
CONV^ISSR See page 459 .	o^fee^conv^iss See page 459 .
CONV^RECON^ACQR See page 422 .	conv^recon^acqr See page 422 .
CONV^RECON^ISSR See page 426 .	p^conv^recon^iss See page 426 .
CONV^RECON^ISSR See page 431 .	a^conv^recon^iss See page 431 .
CONV^RECON^NETWORK See page 136 .	conv^recon^net See page 136 .
COPT^ICHG^ID See page 325 .	crd^ichg^id See page 325 .
COUNTRY^ACQR^INST See page 79 .	acqr^cntry See page 79 .
COUNTRY^AUTH^AGENT^INST See page 127 .	cntry^agent See page 127 .
COUNTRY^FORWARDING^INST See page 473 .	cntry^frwd^inst See page 473 .
COUNTRY^PAN See page 91 .	cntry^pan See page 91 .
COUNTRY^RECEIVING^INST See page 475 .	cntry^rec^inst See page 475 .

FINIPC Name	Logscan Name
COUNTRY^TRAN^DEST^INST^IB See page 477 .	cntry^dest^inst^ib See page 477 .
COUNTRY^TRAN^DEST^INST^OB See page 479 .	cntry^dest^inst^ob See page 479 .
COUNTRY^TRAN^ORIG^INST See page 471 .	cntry^orig^inst See page 471 .
CUR^CARD^BILL See page 164 .	cur^crd^bill See page 164 .
CUR^CODE See page 372 .	adtl^resp^cur^code See page 372 .
CUR^CODE See page 409 .	adtl^req^cur^code See page 409 .
CUR^CODE See page 436 .	fee^cur^code See page 436 .
CUR^COD See page 452 .	o^fee^cur^code See page 452 .
CUR^RECON^ACQR See page 420 .	cur^recon^acq See page 420 .
CUR^RECON^ACQR See page 441 .	fee^recon^acq See page 441 .
CUR^RECON^ACQR See page 458 .	o^fee^recon^acq See page 458 .
CUR^RECON^ISSR^ALT See page 450 .	fee^recon^issr^alt See page 450 .
CUR^RECON^ISSR See page 424 .	p^cur^recon^iss See page 424 .
CUR^RECON^ISSR See page 429 .	a^cur^recon^iss See page 429 .
CUR^RECON^ISSR See page 444 .	fee^recon^iss See page 444 .
CUR^RECON^ISSR See page 460 .	o^fee^recon^iss See page 460 .
CUR^RECON^NETWORK See page 132 .	cur^recon^net See page 132 .
CUR^TRAN See page 163 .	cur^tran See page 163 .

FINIPC Name	Logscan Name
CUR^TYPE See page 162 .	cur^type See page 162 .
DATE^ACT See page 310 .	date^act See page 310 .
DATE^CAPT See page 309 .	date^capt See page 309 .
DATE^CONV^ACQR See page 421 .	date^conv^acq See page 421 .
DATE^CONV^ISSR See page 425 .	p^date^conv^iss See page 425 .
DATE^CONV^ISSR See page 430 .	a^date^conv^iss See page 430 .
DATE^EFFECT See page 137 .	date^effect See page 137 .
DATE^EXP See page 138 .	date^exp See page 138 .
DATE^RECON^ACQR See page 84 .	acq^recon^date See page 84 .
DATE^RECON^ISSR See page 95 .	iss^recon^date See page 95 .
DATE^RECON^NETWORK See page 131 .	net^recon^date See page 131 .
DATE^TIME^LOCAL^TRAN See page 468 .	ode^datetime See page 468 .
DATE^TIME^LOCAL^TRAN See page 61 .	datetime See page 61 .
DATE^TIME^TRANS^RQST See page 161 .	date^rqst See page 161 .
DEC^POS See page 439 .	fee^dec^pos See page 439 .
DEC^POS See page 455 .	o^fee^dec^pos See page 455 .
DEST^ROUTE^OPT See page 355 .	dest^rte^opt See page 355 .
DESTINATION See page 28 .	destination See page 28 .

FINIPC Name	Logscan Name
DFLT^CARD^LOGO^ID See page 319 .	crd^logo^dfilt See page 319 .
DFLT^CBASE^LIST^ID See page 320 .	cbase^dfilt See page 320 .
DIR^ROUTE^OPT See page 356 .	dir^rte^opt See page 356 .
EXT^PAY^DATA See page 160 .	ext^pay^cd See page 160 .
FLOOR^LIM^ACQR See page 348 .	flr^lmt^acq See page 348 .
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PMC Errors

PMC OK; no errors	
%hFFFF	PMC found the transaction OK. Probably denied by issuer.
REESTABLISH CEDTRCK	
%h0000	CEDTRCK Could not locate the Track Information List
%h0001	CEDTRCK Could not locate the Track Information Record
REESTABLISH ROUTE	
%h0002	CEDCOPT Could not locate the Card Options List
%h0003	CEDROUT ONUS routing selected, but could not find record
%h0004	CEDCOPT Could not locate the Card Options Record
REESTABLISH TRANSACTION SET	
%h0005	CEDTSET Could not locate the Transaction Set List
CVV ELIGIBLE CARD	
%h0067	CEDTRCK CVV failed. Could not locate Expiration Date from the transaction
%h0068	CEDTRCK CVV failed. No expiration date located on the FINIPC
%h0069	CEDTRCK CVV failed on year check
%h006A	CEDTRCK CVV failed on month check

CURRENCY CONVERSION

%h0091	Currency Conversion failed, insufficient information. Currency Conversion information is usually supplied by the acquirer. This format error usually indicates a problem on the acquirer's side
--------	---

ROUTING BY CARD LOGO

%h0093	CEDLOGA Could not find matching acquirer logo list???????
--------	---

ROUTE BY CARD

%h0094	PAN number not numeric
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DIRECT ROUTE, where direct routing required.

%h009B	PAN number not numeric
%h009C	CEDDIRR record not found
%h009D	CEDDIRR record found, but PAN length on the transaction does not match the length on the CEDDIRR record

DESTINATION ROUTE, where destination routing required.

%h009E	CEDDSTR list not found
%h009F	CEDDSTR No ceddstr record matches route id of the source

DESTINATION ROUTE, where destination routing optional.

%h00A0	CEDDSTR No CEDDSTR record matches, and CEDDSTR field for Search Card Base is set to No
%h00A1	CEDDSTR No CEDDSTR record matches route id of the source
%h00A2	PMC attempted to route using Search Card Base option, but could not locate card base

DEFAULT ROUTE

%h0092	PAN not numeric
--------	-----------------

HIGH LEVEL ROUTING

%h00A6	PMC can not find a routing configuration for the card
--------	---

LOW LEVEL ROUTING

%h00A3	CEDCOPT record could not be found
%h00A4	CEDROUT record could not be found for a reversal
%h00A5	CEDROUT record could not be found for reroute
%h00AC	Routing info could not be validated

VISA CVV HARDWARE

%h0072	CEDCVVP record could not be found.
%h0073	CEDTRCK CVV DATA 1 field does not match card.
%h0074	CEDTRCK CVV DATA 2 field does not match card.
%h0075	CEDTRCK CVV DATA 3 field does not match card.
%h0076	CEDTRCK CVV field does not match card.
%h0077	CVV failed due to hardware error
%h0078	CVV failed.

VISA CVV SOFTWARE

%h006B	CEDCVVP record could not be found.
%h006C	CEDTRCK CVV DATA 1 field does not match card.
%h006E	CEDTRCK CVV DATA 2 field does not match card.
%h006F	CEDTRCK CVV DATA 3 field does not match card.
%h0070	CEDTRCK CVV field does not match card.
%h0071	Found CVV value but failed the calculation of CVV, this could mean the values are wrong or the CEDTRCK values are not set properly.

CVV Custom Unique Validation

%h0086	CVV Validation failure.
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CARD VALIDATION	
%h0079	CEDTRCK record not found.
%h0079	Acquirer validated CVV, and is bad.
%h00A7	Card maintenance attempted by other than owning processor.
%h0008	CEDCKDG record not found.
%h0009	PAN not numeric.
%h000A	CEDCKDG Extraction length for PAN exceeds PAN length.
%h00AF	CEDCKDG PAN + 1 ckdg exceeds PAN length.
%h000B	Check digit validated and is bad.
%h0016	CEDCRC1 Country, Region, County validation performed. Tran cannot be performed by the current cardholder at the current location.
%h000C	Expiration Date not present, or where CEDTRCK record specifies, but CEDROUT record requires it.
%h000D	Could not extract Expiration Date from data.
%h000E	Expiration year not numeric.
%h000F	Expiration month not numeric.
%h0010	Expiration year not valid, never capture card.
%h0011	Expiration year not valid, always capture card
%h0012	Expiration year not valid, if device can, and capable, capture card.
%h00B0	Expiration year not valid, if device can, and not capable, don't capture card.
%h0013	Expiration month not valid, never capture card.
%h0014	Expiration month not valid, always capture card.
%h0015	Expiration month not valid, if device can, and capable, capture card.
%h00B1	Expiration month not valid, if device can, and not capable, don't capture card.
%h0006	Tran not supported by restrictive interchange in CEDTSET.
%h00E9	Tran explicitly excluded by restrictive interchange.
%h00EA	Tran explicitly excluded by restrictive interchange.
%h00EB	CEDICHG TRANSET field does not exist.
%h00EC	Tran not found in Issuer Transet.

CARD VALIDATION	
%h00ED	Tran explicitly excluded in Issuer Transet.
%h00EE	Tran not found in Acquirer Transet.
%h00EF	Tran explicitly excluded in Acquirer Transet.

PVV DES HARDWARE	
%h001A	CEDDES record not found
%h001B	Bad PIN block.
%h001C	CEDTRCK PVV field does not match the card in the transaction.
%h001D	CEDTRCK PVV data does not match the card in the transaction.
%h0087	Hardware PIN change not supported.
%h008E	Hardware PIN change not supported.
%h001E	Missing original PIN in PIN change.
%h001F	Hardware error during PIN change.
%h0020	Bad PIN during PIN change.
%h001E	Missing PIN.
%h001F	Hardware error.
%h0020	Bad PIN.
%h002B	CEDDIEB record not found.
%h002C	Bad PIN block
%h002D	CEDTRCK PVV field does not match the card in the transaction.
%h002E	CEDTRCK PVV data does not match the card in the transaction.
%h0087	Hardware PIN change not supported.
%h002F	Missing original PIN in PIN change.
%h0030	Hardware error during PIN change.
%h0031	Bad PIN during PIN change.
%h002F	Missing PIN.
%h0030	Hardware error.
%h0031	Bad PIN.

PVV ATALLA HARDWARE	
%h0039	CEDIKEY record not found.
%h003A	Bad PIN block
%h003B	CEDTRCK PVV field does not match the card in the transaction.
%h003C	CEDTRCK PVV data does not match the card in the transaction.
%h003D	Missing PIN.
%h003E	Hardware error
%h003F	Bad PIN

PVV TRW HARDWARE	
%h0040	CEDTRW record not found.
%h0041	Bad PIN block.
%h0042	CEDTRCK PVV field does not match the card in the transaction.
%h0043	CEDTRCK PVV data does not match the card in the transaction.
%h0044	Hardware error.
%h0045	Bad PIN.

PVV VISA HARDWARE	
%h004D	CEDVISA record not found.
%h004E	Bad PIN block
%h004F	CEDTRCK PVV index does not match the card in the transaction.
%h0050	PVK Index is invalid from track data of transaction.
%h0051	CEDTRCK PVV field does not match the card in the transaction.
%h0052	CEDTRCK PVV data does not match the card in the transaction.
%h0087	Hardware PIN change not supported.
%h0053	Missing original PIN in PIN change.
%h0054	Hardware error during PIN change.
%h0055	Bad PIN during PIN change.
%h0053	Missing PIN.
%h0054	Hardware error.
%h0055	PIN change requested, but failed.

PVV DES SOFTWARE	
%h0021	CEDDES record not found.
%h0022	Bad PIN block.
%h0023	CEDDES Customer entered PIN not valid length.
%h0024	PIN not numeric.
%h0025	CEDTRCK PVV data does not match the card in the transaction.
%h0026	Missing original PIN in PIN change.
%h0027	CEDTRCK PVV field does not match the card in the transaction.
%h0028	Missing new PIN in PIN change.
%h0029	Bad PIN in PIN change.
%h002A	Bad PIN.

PVV DIEBOLD SOFTWARE	
%h0032	CEDDIEB record not found.
%h0033	Bad PIN block
%h0034	PIN number not numeric
%h0035	CEDTRCK PVV data does not match the card in the transaction.
%h0036	Missing original PIN in PIN change.
%h0037	CEDTRCK PVV field does not match the card in the transaction.
%h0038	Bad PIN in transaction.

PVV TRW SOFTWARE	
%h0046	CEDTRW record not found.
%h0047	Bad PIN block.
%h0048	PIN not numeric.
%h0049	CEDTRCK PVV data does not match the card in the transaction.
%h004A	Missing original PIN in PIN change.
%h004B	CEDTRCK PVV field does not match the card in the transaction.
%h004C	Bad PIN.

PVV VISA SOFTWARE	
%h0056	CEDVISA record not found.
%h0057	Bad PIN block
%h0058	PIN block size invalid.
%h0059	PIN not numeric.
%h005A	CEDTRCK PVV index does not match the card in the transaction.
%h005B	PIN key index not valid.
%h005C	PIN key index is 0.
%h005D	CEDTRCK PVV data does not match the card in the transaction.
%h005E	Bad original PIN in PIN change.
%h005F	CEDTRCK PVV field does not match the card in the transaction.
%h0060	Bad PIN.

PVV Custom Unique Validation	
%h0061	Bad PIN block

PIN VALIDATION	
%h0062	ATM verified PIN, PIN invalid
%h0063	CEDROUT specified PIN Required always, but PIN missing.
%h0064	CEDROUT specified PIN Required if device capable, device indicates it is capable, but PIN missing.
%h0065	CEDROUT has an unknown value defaults to PIN Required but PIN is missing.
%h0066	The CEDCBAS refers to a CEDROUT which has a VERIFY PIN OPT of yes. The TRACK LOC LIST on page 2 of CEDCBAS refers to a non-existent CEDTRCK record or the TRACL LOC LIST is blank.

VALIDATE TRANSACTION INFORMATION	
%h0017	Transaction code not located in PMC table. (Hard coded table within PMC)
%h0018	MTI not located in PMC table.
%h0019	CEDCBAS specified this card is Deposit Only card, but transaction attempted is not deposit eligible.
%h00B2	CEDCBAS specified this card is Deposit Only card, but tran includes an additional amount type of "40".

VALIDATE CURRENCY INFORMATION	
%h007A	Invalid currency
%h007B	Invalid currency
%h007C	Invalid currency
%h007D	Invalid currency
%h007E	Invalid currency
%h007F	Invalid currency

MISCELLANEOUS TRANSACTION EDITS	
%h00AD	CEDCBAS specified a Reject Action Code, but the code is invalid.
%h011D	MC HW Len Bad AAV Length 0
%h011E	MC HW Data Bad Key Index 0
%h011F	MC HW DB No EKEY(HMAC) 6
%h0120	MC HW Dev Bad Block (HMAC) 0
%h0121	MC HW Dev Bad Data (HMAC) 0
%h0122	MC HW Dev HW Error (HMAC) 0
%h0123	MC HW Dev Not Sup. (HMAC) 0
%h0124	MC HW Val Bad AAV (HMAC) 1
%h0125	MC HW DB No EKEY (CVC2) 6
%h0126	MC HW Data Bad Seq. (CVC2) 0
%h0127	MC HW Data Bad For. (CVC2) 0
%h0128	MC HW Dev HW Error (CVC2) 0
%h0129	MC HW Val Bad AAV(CVC2) 1
%h012A	MC HW Data Bad ACS Id 0
%h012B	Visa HW Len Bad CAVV Length 0
%h012C	Visa HW Data Bad Key Index 0
%h012D	Visa HW DB No EKEY Record 6
%h012E	Visa HW Dev Hardware Error 0
%h012F	Visa HW Val Bad CAVV Value 1
%h0130	Sec. Val. Val Bad CAVV Result Not 2
%h0131	Sec. Val. Data Bad C/AVV Token 0
%h0132	Sec. Val. DB Bad COPT 3D Opt. 6
%h0133	Exp date is non numeric
%h0134	Foreign Curr transaction not supported
%h0135	Foreign Curr transaction not supported
%h0136	Authorization block denial
%h0137	SDX interface error in CVV verify

MISCELLANEOUS TRANSACTION EDITS	
%h0138	Unable to handle XLATE block in DES verify
%h0139	SDX interface error in CVC2 verify
%h013A	Unable to extract XLATE block in DES verify
%h013B	SDX interface error in CVC2 verify
%h013C	SDX interface error in DES verify
%h013D	SDX interface error in 3d_mc_hardware
%h013E	PIN offset token missing in DES verify
%h013F	SDX interface error in 3d_mc_hardware
%h0140	SDX interface error in DES verify
%h0141	SDX interface error in 3d_visa_hardware
%h0142	Unable to handle XLATE block in DIEB Verify
%h0143	Unable to extract XLATE block in DIEB Verify
%h0144	SDX interface error in Diebold change
%h0145	SDX interface error in Diebold Verify
%h0146	Unable to handle XLATE block in IKEY Verify
%h0147	Unable to extract XLATE block in IKEY Verify
%h0148	SDX interface error in IKEY PIN verify
%h0149	SDX interface error in DES Bilevel PIN verify
%h014A	Unable to handle XLATE block in VISA Verify
%h014B	Unable to extract XLATE block in VISA Verify
%h014C	SDX interface error in VISA Verify
%h014D	SDX interface error in VISA Verify
%h014E	Track1 Name Match Failure
%h014F	Acqr Key Sync
%h0150	Acqr Key Sync
%h0151	Acqr Key Sync
%h0152	Acqr Key Sync
%h0153	Acqr Key Sync

MISCELLANEOUS TRANSACTION EDITS	
%h0154	Acqr Key Sync
%h0155	Acqr Key Sync
%h0156	Exit 15 Failure
%h0157	ARQC Failure
%h0158	EMV Database Error
%h0159	EXIT16
%h015A	EXIT17
%h015B	EMV Chip Format Error
%h015C	OEF
%h015D	Temp for testing
%h015E	Contactless Validation Error
%h015F	Contactless Validation Error
%h0160	Contactless Validation Error
%h0161	Contactless Validation Error
%h0162	Contactless Validation Error
%h0163	Contactless Validation Error
%h0164	Contactless Validation Error
%h0165	Contactless Validation Error
%h0166	Contactless Validation Error
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%h0169	Contactless Validation Error
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%h016C	Contactless Validation Error
%h016D	Contactless Validation Error
%h016E	Contactless Validation Error
%h016F	Contactless Validation Error

MISCELLANEOUS TRANSACTION EDITS	
%h0170	Contactless Validation Error
%h0171	Contactless Validation Error
%h0172	Contactless Validation Error
%h0173	Contactless Validation Error
%h0174	Contactless Validation Error
%h0175	Contactless Validation Error
%h0176	CEDTRCK not found
%h0177	Contactless QK Acqr Validation
%h0178	PMCEXIT18
%h0179	3D Sec Data Missing
%h0180	3D Sec Data Not Sent
%h0181	PMCEXIT19
%h0182	Contactless chip - Unpred # missing
%h0183	Contactless chip - ARQC missing
%h0184	Contactless chip - ATC missing
%h0185	Contactless chip - IAD missing
%h0186	Contactless chip - invalid DKI
%h0187	Contactless chip - FF missing
%h0188	Contactless chip - invalid FF
%h0189	Contactless chip - invalid ATC
%h0190	Contactless chip - SDX error
%h0191	Contactless chip - invalid ARQC
%h0192	Unable to find institution recon currency
%h0193	Currency conversion error
%h0194	3D Secure Data - Attempt AAV
%h0195	Contactless chip - CVN Missing

MISCELLANEOUS TRANSACTION EDITS

%h0196	Cardless Cash Access Transaction is not supported
%h0197	Invalid Service code in Track data
%h0198	Falcon Denial

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