Annex D (normative)

Code listings

Account reference codes (bit 51)

Table D.1 identifies the account or entity to which the information in a specific dataset instance of the Account owner data is related (see C.3.21.5).

Code	Description		
01	Account type 1 (related to account implied in Processing Code bit 3, positions 3-4, Account type 1)		
02	Account Type 2 (related to account implied in Processing Code bit 3, positions 5-6, Account type 2)		
03	Account Identification 1 (related to account specified in bit 102, Account identification 1)		
04	Account Identification 2 (related to account specified in bit 103, Account identification 2)		
05	Payer (related to an entity sending money or payment)		
06	Payee (related to an entity receiving money or a payment – e.g. entity specified in bit 98, Payee)		

Account type codes (bits 3, 54)

Table D.2 lists the Account type codes that are used in the Processing code (see C.3.1) and in Amounts additional (see C.3.22).

Range	Codes	Description
00-0Z	00	Default – unspecified
Default	01-02	Default – reserved for ISO use
	03-07	Default – reserved for national use
	08-09	Default – reserved for private use
	0A-0Z	Default – reserved for ISO use
10-1Z	10	Savings account – default
Savings account	11	Savings account – money market
	12	Savings account – certificate of deposit
	13-15	Savings account – reserved for ISO use
	16-17	Savings account – reserved for national use
	18-19	Savings account – reserved for private use
	1A-1Z	Savings account – reserved for ISO use

Table D.2 — Account type codes

20-2Z	20	Cheque account – default
Cheque account	21	Cheque account – money market checking
	22-22	Cheque account – reserved for ISO use
	23-27	Cheque account – reserved for national use
	28-29	Cheque account – reserved for private use
	2A-2Z	Cheque account – reserved for ISO use
30-3Z	30	Credit facility – default
Credit facility	31	Credit facility – line of credit
	32	Credit facility – instalment loan
	33	Credit facility – mortgage loan
	34	Credit facility – home equity loan
	35	Credit facility – Deferred debit
	36	Credit facility – Charge
	37-38	Credit facility – reserved for national use
	39	Credit facility – reserved for private use
	3A-3Z	Credit facility – reserved for ISO use
40-4Z	40	Universal account – default
Universal account	41-42	Universal account – reserved for ISO use
	43-47	Universal account – reserved for national use
	48-49	Universal account – reserved for private use
	4A-4Z	Universal account – reserved for ISO use
50-5Z	50	Investment account – default
Investment account	51	Investment account – stock or bond
	52	Investment account – retirement account
	53	Investment account – revolving loan account
	54-55	Investment account – reserved for ISO use
	56-57	Investment account – reserved for national use
	58-59	Investment account – reserved for private use
	5A-5Z	Investment account – reserved for ISO use
60-6Z	60	Electronic purse card account – default
Electronic purse card account	61-63	Electronic purse card account – reserved for ISO use
	64-66	Electronic purse card account – reserved for national use

	67-69	Electronic card account – reserved for private use
	6A-6Z	Electronic purse card account – reserved for ISO use
70-7Z	70	Benefit account – default
Benefit account	71	Benefit account – general
	72	Benefit account – food
	73	Benefit account – healthcare
	74	Benefit account – fuel
	75	Benefit account – agricultural
	76	Benefit account – pension
	77-7G	Reserved for ISO use
	7H-7Q	Reserved for national use
	7R-7Z	Reserved for private use
80-8Z	80-85	Reserved for ISO use
Reserved	86-87	Reserved for national use
	88-89	Reserved for private use
	8A-8Z	Reserved for ISO use
90-9Z	90-95	Reserved for ISO use
Reserved	96-97	Reserved for national use
	98-99	Reserved for private use
9A-ZZ	9A-IZ	Reserved for ISO use
Reserved	J0-PZ	Reserved for national use
	R0-ZZ	Reserved for private use

Action codes (bit 39)

Table D.3 lists the action codes.

Table D.3 — Action codes

Range	Codes	Description
0000-0999	0000	Approved or completed successfully
Used in 110, 120, 121, 140 210, 220, 221 and 240 messages to indicate that the transaction	0001	Honour with identification
has been approved		Approved for partial amount
	0003	Approved (VIP)
	0004	Approved, update track 3
	0005	Approved, account type specified by card issuer
		Approved for partial amount, account type specified by issuer

0009Approved with overdraft0010Approved, customer reactivated0011Approved, unable to process online0012Approved, transaction processed offline after referral0013Approved, transaction processed offline after referral0014Reserved for ISO use0086No reason to decline0086Reserved for ISO use0086Reserved for ISO use0086Reserved for ISO use0087Reserved for ISO use0088No reason to decline0089Reserved for ISO use0100-19991000Used in 110, 114, 120, 121, 124, 140 144, 1541001Expired card101210111020, 220, 221 and 240 messages to1020Suspected fraudprocessed for authorization or verification by1004Restricted card1005Card acceptor contact acquirer1006Allowable number of PIN tries exceeded1007Refer to card issuer's special conditions1008Refer to card issuer's special conditions1009Invalid amount1011Invalid actin number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016No stificient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder1020Transaction not pe		0008	Approved but fees disputed
0011Approved, unable to process online0012Approved, transaction processed offline0013Approved, transaction processed offline after referral0014Reserved for ISO use0085No reason to decline0086-Reserved for ISO use00870086-00880-Reserved for private use00999000000800-Reserved for private use011Expired card01111011010Expired card0111011102Suspected fraud103Card acceptor contact acquirer104Restricted card105Card acceptor call acquirer's security department1006Allowable number of PIN tries exceeded1007Refer to card issuer'1008Refer to card issuer's special conditions1011Invalid amount1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		0009	Approved with overdraft
0012 Approved, transaction processed offline 0013 Approved, transaction processed offline after referral 0014 Reserved for ISO use 0084 0085 0086 No reason to decline 0086 Reserved for ISO use 0087 No reason to decline 0086 Reserved for ISO use 0999 0600- 0880 Reserved for private use 0999 0800- 1000 Do not honour Used in 110, 114, 120, 121, 124, 140 144, 154 1010 Expired card 1011 Expired card 1012 Suspected fraud processed for authorization or verification by 1003 102 Card acceptor contact acquirer 102 Card acceptor call acquirer's security department 1006 Allowable number of PIN tries exceeded 1007 Refer to card issuer 108 Refer to card issuer's special conditions 109 Invalid amount 1011 Invalid amount 1012 PIN data required <td></td> <td>0010</td> <td>Approved, customer reactivated</td>		0010	Approved, customer reactivated
0013 Approved, transaction processed offline after referral 0014 Reserved for ISO use 0085 No reason to decline 0086 Reserved for ISO use 0086 Reserved for national use 0799 0600-Reserved for private use 0999 0600-Reserved for private use 0000 Reserved for private use 1000 Card acceptor contact acquirer 1004 Restricted card 1005 Card acceptor contact acquirer 1006 Allowable number of PIN tries exceeded 1007 Refer to card issuer 1008 Refer to card issuer 1008 Refer to card issuer is special conditions 1009 Invalid merchant 1010 Invalid amount 1011 Invalid card number (no such number) 1012 PIN data required 1013 Unacceptable transaction fee 1014 No account of type requested 1015 Requested function not supported 1016 Not sufficient funds 1017 Incorrect personal identification number 1018 No card record 1019 Transaction not permitted to cardholder		0011	Approved, unable to process online
0014- 0084Reserved for ISO use 00840085No reason to decline0086- 0086- 0086- 0086- 0086- 0086- 0080- 0080- 0080- 0080- 0080- 0099-Reserved for ISO use 0099- 0000- 		0012	Approved, transaction processed offline
00840085No reason to decline0086-Reserved for ISO use05990600-0800-Reserved for national use079907991000-199910001001Expired cardindicate that the transaction has been10020801-Suspected fraudprocessed for authorization or verification by0801Card acceptor contact acquirer0802Card acceptor contact acquirer0803Card acceptor contact acquirer080410040805Restricted card1006Allowable number of PIN tries exceeded1007Refer to card issuer1008Refer to card issuer's special conditions1009Invalid amount1011Invalid card number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		0013	Approved, transaction processed offline after referral
0086- 0599Reserved for ISO use 05990600- 0799Reserved for national use 07990800- 0800- 0999Reserved for private use 09991000-19991000Do not honourUsed in 110, 114, 120, 121, 124, 140 144, 154 and 210, 220, 221 and 240 messages to indicate that the transaction has been 1002Suspected fraud Suspected fraudprocessed for authorization or verification by or on behalf of the card lissuer and has been denied (not requiring a card pick-up.)1003Card acceptor contact acquirer1006Allowable number of PIN tries exceeded1007Refer to card issuer' superial superial superial superial superial canditions1009Invalid merchant1010Invalid amount1011Invalid act number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder			Reserved for ISO use
05990600- 07990800- 09991000-19991000-199910001000-120, 221 and 240 messages to indicate that the transaction has been processed for authorization or verification by or on behalf of the card issuer and has been denied (not requiring a card pick-up.)10061007Refer to card acceptor contact acquirer's security department 10061008100910091008Refer to card issuer's special conditions 100910111012101410151016101110121012101310141014101510151016101710181018101910191019101910191019101910191019101910101011101210131014101510161017101810181019101910191019101010191010101110121013101410151016101710181019101910191019101910191019101010101		0085	No reason to decline
07990800- 0999Reserved for private use 09991000-19991000Do not honourUsed in 110, 114, 120, 121, 124, 140 144, 154 and 210, 220, 221 and 240 messages to indicate that the transaction has been processed for authorization or verification by or on behalf of the card issuer and has been denied (not requiring a card pick-up.)1004Restricted card1005Card acceptor contact acquirer's security department 1006Allowable number of PIN tries exceeded1007Refer to card issuer's special conditions1008Refer to card issuer's special conditions1009Invalid amount1011Invalid amount1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function number1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder			Reserved for ISO use
09991000-19991000Used in 110, 114, 120, 121, 124, 140 144, 154 and 210, 220, 221 and 240 messages to indicate that the transaction has been toressed for authorization or verification by or on behalf of the card issuer and has been denied (not requiring a card pick-up.)1002Suspected fraud Suspected card1004Restricted card1005Card acceptor contact acquirer's security department 1006Allowable number of PIN tries exceeded1007Refer to card issuer1008Refer to card issuer's special conditions1009Invalid merchant1011Invalid amount1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder			Reserved for national use
Used in 110, 114, 120, 121, 124, 140 144, 154 and 210, 220, 221 and 240 messages to indicate that the transaction has been processed for authorization or verification by or on behalf of the card issuer and has been denied (not requiring a card pick-up.) 1004 Restricted card 1005 Card acceptor call acquirer's security department 1006 Allowable number of PIN tries exceeded 1007 Refer to card issuer 1008 Refer to card issuer 1008 Refer to card issuer 1009 Invalid merchant 1010 Invalid amount 1011 Invalid card number (no such number) 1012 PIN data required 1013 Unacceptable transaction fee 1014 No account of type requested 1015 Requested function not supported 1016 Not sufficient funds 1017 Incorrect personal identification number 1018 No card record 1019 Transaction not permitted to cardholder			Reserved for private use
and 210, 220, 221 and 240 messages to indicate that the transaction has been processed for authorization or verification by or on behalf of the card issuer and has been denied (not requiring a card pick-up.) 1004 Restricted card 1005 Card acceptor call acquirer's security department 1006 Allowable number of PIN tries exceeded 1007 Refer to card issuer 1008 Refer to card issuer 1008 Refer to card issuer's special conditions 1009 Invalid merchant 1010 Invalid amount 1011 Invalid card number (no such number) 1012 PIN data required 1013 Unacceptable transaction fee 1014 No account of type requested 1015 Requested function not supported 1016 Not sufficient funds 1017 Incorrect personal identification number 1018 No card record 1019 Transaction not permitted to cardholder			Do not honour
indicate that the transaction has been processed for authorization or verification by or on behalf of the card issuer and has been denied (not requiring a card pick-up.) 1004 Restricted card 1005 Card acceptor call acquirer's security department 1006 Allowable number of PIN tries exceeded 1007 Refer to card issuer 1008 Refer to card issuer 1008 Invalid merchant 1010 Invalid amount 1011 Invalid card number (no such number) 1012 PIN data required 1013 Unacceptable transaction fee 1014 No account of type requested 1015 Requested function not supported 1016 Not sufficient funds 1017 Incorrect personal identification number 1018 No card record 1019 Transaction not permitted to cardholder			Expired card
or on behalf of the card issuer and has been denied (not requiring a card pick-up.) 1004 Restricted card 1005 Card acceptor call acquirer's security department 1006 Allowable number of PIN tries exceeded 1007 Refer to card issuer 1008 Refer to card issuer's special conditions 1009 Invalid merchant 1010 Invalid amount 1011 Invalid card number (no such number) 1012 PIN data required 1013 Unacceptable transaction fee 1014 No account of type requested 1015 Requested function not supported 1016 Not sufficient funds 1017 Incorrect personal identification number 1018 No card record 1019 Transaction not permitted to cardholder	indicate that the transaction has been	1002	Suspected fraud
denied (not requiring a card pick-up.)1004Restricted card1005Card acceptor call acquirer's security department1006Allowable number of PIN tries exceeded1007Refer to card issuer1008Refer to card issuer's special conditions1009Invalid merchant1010Invalid amount1011Invalid card number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder			Card acceptor contact acquirer
1006Allowable number of PIN tries exceeded1007Refer to card issuer1008Refer to card issuer's special conditions1009Invalid merchant1010Invalid amount1011Invalid card number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder			Restricted card
1007Refer to card issuer1008Refer to card issuer's special conditions1009Invalid merchant1010Invalid amount1011Invalid card number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1005	Card acceptor call acquirer's security department
1008Refer to card issuer's special conditions1009Invalid merchant1010Invalid amount1011Invalid card number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1006	Allowable number of PIN tries exceeded
1009Invalid merchant1010Invalid amount1011Invalid card number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1007	Refer to card issuer
1010Invalid amount1011Invalid card number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1008	Refer to card issuer's special conditions
1011Invalid card number (no such number)1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1009	Invalid merchant
1012PIN data required1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1010	Invalid amount
1013Unacceptable transaction fee1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1011	Invalid card number (no such number)
1014No account of type requested1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1012	PIN data required
1015Requested function not supported1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1013	Unacceptable transaction fee
1016Not sufficient funds1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1014	No account of type requested
1017Incorrect personal identification number1018No card record1019Transaction not permitted to cardholder		1015	Requested function not supported
1018No card record1019Transaction not permitted to cardholder		1016	Not sufficient funds
1019 Transaction not permitted to cardholder		1017	Incorrect personal identification number
		1018	No card record
1020 Transaction not permitted to terminal		1019	Transaction not permitted to cardholder
		1020	Transaction not permitted to terminal

1022	Security violation
1023	Exceeds withdrawal frequency limit
1024	Transaction cannot be completed; violation of law
1025	Card not effective
1026	Invalid PIN block
1027	PIN length error
1028	Key sync error
1029	Suspected counterfeit card
1030	Currency unacceptable to card issuer
1031	Not authorized and fees disputed
1032	Lost/stolen card
1033	Authorization lifecycle unacceptable
1034	Authorization lifecycle has expired
1035	Closed account, or restricted for closing
1036	Closed savings account, or restricted for closing
1037	Closed credit account or restricted for closing
1038	Closed credit facility cheque account or restricted for closing
1039	Closed cheque account or restricted for closing
1040	Bad debt
1041	From account bad status
1042	To account bad status
1043	Cheque already posted
1044	Information not on file
1045	Verification data failed
1046	Amount not found
1047	PIN change required
1048	New PIN invalid
1049	Bank not found
1050	Bank not effective
1051	Customer vendor not found
1052	Customer vendor not effective
1053	Customer vendor account invalid
1054	Vendor not found

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1056	Vendor data invalid
1057	Payment date invalid
1058	Personal identification not found
1059	Scheduled transactions exist
1060	Transaction did not complete normally at terminal
1061	Transaction not supported or transaction blocked by the card issuer
1062	Cashback not allowed
1063	Cashback amount exceeded
1064	Declined, transaction processed offline
1065	Declined, unable to process offline
1066	Declined, transaction processed offline after referral
1067	Additional consumer authentication required
1068	Identification number invalid
1069	Driver number invalid
1070	Vehicle number invalid
1071	Digital certificate expired
1072	Surcharge amount not permitted for card product
1073	Surcharge not permitted by selected network
1074	Exceeds pre-authorized amount
1075	Stop payment order – specific pre-authorized paymen
1076	Stop payment order – all pre-authorized payments fo merchant
1077	Stop payment order – account
1078	Transaction does not fulfil anti-money-launderin requirements
1079	Exceeds withdrawal amount limit
1080	PIN is not allowed for transaction
1081	Message number out of sequence
1082	Original transaction was declined
1083	Transaction blocked by cardholder-contact cardholder
1084-1599	Reserved for ISO use
1600-1799	Reserved for national use
L	

	1800-1999	Reserved for private use
2000-2999	2000	Pick-up
Used in 110, 114, 120, 121, 124, 140 144, 154 and 210, 220, 221 and 240 messages to	2001	Expired card
ndicate that the transaction has been	2002	Suspected fraud
processed for authorization or verification by or on behalf of the card issuer and has been	2003	Card acceptor contact acquirer
denied requiring the card to be picked up	2004	Restricted card
	2005	Card acceptor call acquirer security
	2006	Allowable PIN tries exceeded
	2007	Pick-up card, special condition
	2008	Lost card, pick-up
	2009	Stolen card, pick-up
	2010	Suspected counterfeit card, pick up card
	2011	Daily withdrawal uses exceeded
	2012	Daily withdrawal amount exceeded
	2013-2599	Reserved for ISO use
	2600-2799	Reserved for national use
	2800-2999	Reserved for private use
3000-3999		Successful
Used in 314, 324, 325 and 344 messages to indicate the result of the file action	3001	File update not supported by receiver
indicate the result of the me action	3002	Unable to locate record on file
	3003	Duplicate file update record, old record replaced
	3004	File update field edit error
	3005	File update file locked out
	3006	File update not successful
	3007	Format error
	3008	Duplicate, new record rejected
	3009	Unknown file
	3010	Invalid card/cardholder number
	3011-3599	Reserved for ISO use
	3600-3799	Reserved for national use
	3800-3999	Reserved for private use

4000-4999	4000	Accepted
Used in 430, 432, 440 and 442 messages to indicate the result of the reversal or	4001-4599	Reserved for ISO use
chargeback	4600-4799	Reserved for national use
	4800-4999	Reserved for private use
5000-5999	5000	Reconciled, in balance
Used in 510, 512, 530 and 532 messages to indicate the result of a reconciliation	5001	Reconcile error
indicate the result of a reconcination	5002	Amount not reconciled, totals provided
	5003	Totals not available
	5004	Not reconciled, totals provided
	5005-5599	Reserved for ISO use
	5600-5799	Reserved for national use
	5800-5999	Reserved for private use
6000-6999	6000	Accepted
Used in 6xx messages to indicate the result of an administrative activity	6001-6599	Reserved for ISO use
	6600-6799	Reserved for national use
	6800-6999	Reserved for private use
7000-7999	7000	Accepted
Used in 720, 721, 740, 722, 723 and 742 messages to indicate the result of a fee		Reserved for ISO use
collection	7600-7799	Reserved for national use
	7800-7999	Reserved for private use
8000-8999	8000	Accepted
Used in 8xx network management messages to indicate the result of a network	8001	Currently unable to perform request, try later
to indicate the result of a networl management activity	8002	Key verification failed; key check value does not match
	8003-8599	Reserved for ISO use
	8600-8799	Reserved for national use
	8800-8999	Reserved for private use

9000-9001	9000	Advice acknowledged, no financial liability accepted
Used in all message types to indicate error or response actions	9001	Advice acknowledged, financial liability accepted
9002-9099 Used in advice responses to indicate acceptance conditions	9002-9059	Reserved for ISO use
	9060-9079	Reserved for national use
	9080-9099	Reserved for private use
9100-9101 Used in all message types to indicate error or	9100	One or more data element errors (see Message error indicator)
response actions	9101	Reserved for ISO use
9102-9299	9102	Invalid transaction
Used in request response and advice	9103	Re-enter transaction
response messages to indicate transaction could not be processed	9105	Acquirer bank not supported
	9106	Cut-off is in process (switch ending a day's business and starting the next; transaction can be sent again in a few minutes)
	9107	Issuer or switch is inoperative
	9108	Financial institution or intermediate network facility cannot be found for routing
	9109	System malfunction
	9110	Card issuer signed off
	9111	Card issuer timed out
	9112	Card issuer unavailable
	9113	Duplicate transmission
	9114	No matching original transaction
	9115	Reconciliation cutover or checkpoint error
	9116	MAC incorrect
	9117	MAC key sync error
	9118	No communication keys available for use
	9119	Encryption key sync error
	9120	Security software/hardware error – try again
	9121	Security software/hardware error – do not retry
	9122	Message sequence number error
	9123	Request in progress
	9124	Invalid security code
	9125	Database error

	9126	No such issuer (invalid IIN)
	9126	Perform Stand-In Processing (STIP)
	9128	Customer vendor format error
	9132	Recurring data error
	9133	Update not allowed
	9134-9259	Reserved for ISO use
	9260-9279	Reserved for national use
	9280-9299	Reserved for private use
		Reserved for ISO use
Used in advice response messages (x3x) to indicate the reason for rejection of the transfer of financial liability		Violation of business arrangement
	9351-9359	Reserved for ISO use
	9360-9379	Reserved for national use
	9380-9399	Reserved for private use
9400-9999 Used in all message types to indicate error or response actions	9400-9998	Reserved for ISO use
_	9999	Other errors

Additional identification type codes (bit 49-71)

Table D.4 lists the additional identification type codes.

Range	Codes	Description
0-9	0	Driver licence
Indicates the type of additional indication used	1	Passport
useu	2	National identity card
	3-5	Reserved for ISO use
	6-7	Reserved for national use
	8-9	Reserved for private use

Additional service result codes (bit 34-04/76)

Table D.5 contains common result code values used for select fields in Table C.12.

Codes	Description
00	Performed
01	Not performed
02	Not supported
03-1Z	Reserved for ISO use
20-3Z	Reserved for national use
40-ZZ	Reserved for private use

Table D.5 — Additional service result codes

Address verification result codes (bit 49-72)

Table D.6 lists the address verification result codes.

Table D.6 — Address verification result codes

Range	Codes	Description
0-Z	0-9	Reserved for ISO use
Indicates the result of address verification	А	Reserved for private use
	В	Street addresses match; postal code not verified due to incompatible formats
	С	Street address and postal code not verified due to incompatible formats
	D	Reserved for private use
	E-F	Reserved for private use
	G	Address information not verified
	Н	Reserved for private use
	Ι	Address verification service not performed
	J-L	Reserved for private use
	М	Street addresses and postal codes match
	N	No match; neither the street addresses nor the postal codes match
	0	Reserved for private use
	Р	Postal codes match; street address not verified due to incompatible formats
	Q	Reserved for private use
	R	Retry, system unable to process
	S	Service not supported
	Т	Reserved for private use
	U-V	Reserved for national use

W-Z		Reserved for private use
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Amount type codes (bit 54)

Table D.7 lists the amount type codes.

Table D.7 — Amount type codes

Range	Codes	Description
00-1Z	00	Reserved for ISO use
Account-related balances	01	Account ledger balance
	02	Account available balance
	03	Amount owing
	04	Amount due
	05	Account available credit
	06	Unknown
	07	Account ledger balance account 2
	08	Account available balance account 2
	09	Credit line
	0A	Points
	10	Amount on hold
	11-1J	Reserved for ISO use
	1K-1R	Reserved for national use
	1S-1Z	Reserved for private use
20-2Z	20	Amount remaining this cycle
Card-related amounts	21-2J	Reserved for ISO use
	2K-2R	Reserved for national use
	2S-2Z	Reserved for private use
30-3Z	30-3J	Reserved for ISO use
Account-related amounts	3K-3R	Reserved for national use
	3S-3Z	Reserved for private use
40-4Z	40	Amount cash
Transaction-related amounts	41	Amount goods and services
	42	Amount, surcharge
	43	Amount, cumulative
	44	Amount, anticipated

	45	Amount, pre-dynamic currency conversion (DCC)
	46	Amount, Dynamic Currency Conversion Fee
	47	Amount, Donation
	48	Amount, Extra
	49	Amount, Foreign Exchange Fee
	4A	Amount, Gratuity
	4B	Amount, Tax
	4C	Amount, Total Authorized
	4D	Amount, Issuer Cardholder Fee
	4E	Amount, requested
	4F	Amount, Requested Cashback
	4G	Amount, Discount
	4H	Maximum Interchang Fee
	4I	Maximum Allowed Amount
	4J	Minimum Allowed Amount
	4K-4R	Reserved for national use
	4S-4Z	Reserved for private use
50-5Z	50	Beginning balance
Benefit amounts	51	Pre-authorised amount
	52	Amount, General benefit
	53	Amount, Meal voucher
	54	Amount, Fuel
	55	Amount, Ecological/Sustainability
	56	Amount, Sports/Culture
	57	Amount, Book/Education
	58	Amount, Philanthropy/Patronage/Consumption
	59	Amount, Gift
	5A	Amount, Total eligible healthcare
	5B	Amount, Transit
	5C	Amount, prescription/Rx
	5D	Amount, Vision/Optical
	5E	Amount, Clinic/Other Qualified Medical
	5F	Amount, Dental
	5G	Amount, Co-payment
		· · ·

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	52-5J	Reserved for ISO use
	5K-5R	Reserved for national use
	5S-5Z	Reserved for private use
60-6Z	60	Amount, Base
Additional Transaction Related Amount	61-6J	Reserved for ISO use
	6K-6R	Reserved for national use
	6S-6Z	Reserved for private use
70-7Z	70-7J	Reserved for ISO use
Reserved	7K-7R	Reserved for national use
	7S-7Z	Reserved for private use
80-8Z	80-8J	Reserved for ISO use
Reserved	8K-8R	Reserved for national use
	8S-8Z	Reserved for private use
90-9Z	90-9J	Reserved for ISO use
Reserved	9K-9R	Reserved for national use
	9S-9Z	Reserved for private use
A0-ZZ	A0-IZ	Reserved for ISO use
Reserved	J0-PZ	Reserved for national use
	R0-ZZ	Reserved for private use

Authorization life cycle codes (bit 57)

Table D.8 lists the authorization life cycle codes.

Range	Codes	Description
Position 1, 0-9 time code	0	Reserved for ISO use
	1	Calendar days
	2	Hours
	3	Minutes
	4-5	Reserved for ISO use
	6-7	Reserved for national use
	8-9	Reserved for private use
Position 2 & 3, 00-99 time interval	0	Reserved for ISO use

	A value of 01 to 99 indicating the number of reiterations indicated in position 1

Auto adjusted amount indicator codes (bit 104-76)

Table D.9 lists the auto adjusted amount indicator codes.

Range	Codes	Description
A-Z	А	Drop-off charges
Indicates the type of charges provided in Auto amount adjusted	В	Delivery charges
	С	Parking expenses
	D	Extra hours
	Е	Violations
	F-S	Reserved for ISO use
	T-W	Reserved for national use
	х	Multiple charges of the above types
	Y-Z	Reserved for private use
	Space	Unknown

Batch/file transfer acknowledgement codes (bit 68)

Table D.10 lists the batch/file transfer acknowledgement codes.

Range	Codes	Description
0-Z	0	No acknowledgement required
Indicates if an acknowledgement is required	1	Acknowledgement required
	2	Acknowledgement required, end of transfer
	3	Positive acknowledgement
	4	Reserved for ISO use
	5	Reserved for ISO use
	6	Reserved for ISO use
	7	Negative acknowledgement, repeat requested
	8	Negative acknowledgement, no repeat
	9-I	Reserved for ISO use
	J-R	Reserved for national use
	S-Z	Reserved for private use

Table D.10 — Batch/file transfer acknowledgement codes

Fee type codes (bits 46, 66, 109, 110)

Table D.11 lists the fee type codes.

Range	Codes	Description
0-99	0	Transaction fee
	1	Transaction processing fee
	2	Fee collection fee
	3	File action fees
	4	Telex, telephone and cable charges
	5	Auto-telex charges
	6	Lost/stolen card report fees
	7	Card acceptor service fees
	8	Recovered card awards
	9	Invalid chargeback handling fee
	10	Recovery of copy/original fees
	11	Returned guaranteed cheque
	12	Emergency cash disbursement handling fee
	13	Arbitration cash disbursement handling fee
	14	Incorrect card acceptor identification/transaction data handling fee
	15	Currency conversion fee
	16	Special handling fee
	17	Investigation fees
	18	Emergency card replacement fee
	19	Warning bulletin handling fee
	20	Good faith acceptance
	21	Collection letters
	22	Interchange Fee
	23	Minimum Interchange Fee
	24	Maximum Interchange Fee
	25	Cashback Interchange Fee
	26-39	Reserved for ISO use
	40-69	Reserved for national use

Table D.11 — Fee type codes

70-99 Reserved for private use		70-99	Reserved for private use
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Fleet motor fuel prompt codes (bit 104-78)

Table D.12 lists the fleet motor fuel prompt codes.

Range	Codes	Description
0-9	0	Reserved for ISO use
Indicates the type of prompts provided		Prompts for identification number and odometer reading
	2	Prompts for vehicle number and odometer reading
	3	Prompts for driver number and odometer reading
	4	Prompts for odometer reading only
	5	No prompts issued
	6	Reserved for ISO use
	7	Reserved for ISO use
	8	Reserved for national use
	9	Reserved for private use
	Space	Unknown

Fleet motor fuel service type codes (bit 104-78)

Table D.13 lists the fleet motor fuel service codes.

Range	Codes	Description
0-9	0	Reserved for ISO use
Indicates the type of service provided	1	Self-service
	2	Full service
	3	Only non-fuel products purchased
	4-5	Reserved for ISO use
	6-7	Reserved for national use
	8-9	Reserved for private use
	Space	Unknown

Function codes (bit 24)

Table D.14 lists the function codes.

Range	Codes	Description
000-099	000-099	Reserved for ISO use
Reserved for ISO use		
	100	Original authorization – amount accurate
Used in 100, 101, 120, 121 and 140 messages to indicate type of authorization or		Original authorization – amount estimated
verification transaction	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
	109	Address verification for billing address
	110	Address verification for ship to address
	111	Certificate request data verification
	112	Cheque verification
	113	Account verification
	114	Final authorization – amount accurate
	115	Completion of a previous authorization – amount no known
	116	Pre-authorisation – time-bound for a maximu amount
	117-159	Reserved for ISO use
	160-179	Reserved for national use
	180-199	Reserved for private use
	200	Original financial presentment request/advice
Used in 200, 201, 220, 221 and 240 messages to indicate type of financial presentment	201	Previously approved authorization – amount same
to indicate type of financial presentment	202	Previously approved authorization – amount differs
	203	Resubmission of a previously denied finance presentment request
	204	Resubmission of a previously reversed finance presentment
	205	First representment full amount

Table D.14 — Function codes

	206	Second representment full amount
	207	Third or subsequent representment full amount
	208	Final representment full amount
	209	Incomplete account number on original financial presentment request
	210	Resubmission of a previously submitted financial presentment request
	211	First representment partial amount
	212	Second representment partial amount
	213	Third or subsequent representment partial amount
	214	Final representment partial amount
	215	Aggregation for accumulation transaction
	216	Card issuer backup total for accumulation transaction
	217	Truncation for accumulation transaction
	218	Completion of a time-bound pre-authorization – amount now known
	219-259	Reserved for ISO use
	260-279	Reserved for national use
	280-299	Reserved for private use
300-399	300	Reserved for ISO use
Used in 304, 305, 324, 325 340, 344 350, 354, 362, 364, 372, and 374 messages to indicate	301	Add record
file action required: use 302 when fields	302	Change record
within a record are being replaced; if the entire record is being changed, code 304 is	303	Delete record
recommended	304	Replace record
	305	Inquiry
	306	Replace file
	307	Add file
	308	Delete file
	309	Card administration
	310	Other
	311-359	Reserved for ISO use
	360-379	Reserved for national use
	380-399	Reserved for private use
400-449	400	Full reversal, transaction did not complete as approved
Used in 420, 421 and 440 messages to indicate the function of the reversal	401	Partial reversal, transaction did not complete for full amount

	402-419	Reserved for ISO use
	420-439	Reserved for national use
	440-449	Reserved for private use
450-499	450	First chargeback, full
Used in 422, 423 and 442 messages to indicate the function of the chargeback	451	Second chargeback, full
	452	Third or subsequent chargeback, full
	453	First chargeback, partial
	454	Second chargeback, partial
	455	Third or subsequent chargeback, partial
	456	Final chargeback, full amount
	457	Final chargeback, partial amount
	458-469	Reserved for ISO use
	470-489	Reserved for national use
	490-499	Reserved for private use
500-599	500	Final reconciliation
Used in 500, 501, 502, 503, 520, 521, 522, 523, 540 and 542 messages to indicate type of	501	Checkpoint reconciliation
reconciliation	502	Final reconciliation in a specified currency
	503	Checkpoint reconciliation in a specified currency
	504	Request for reconciliation totals
	505-539	Reserved for ISO use
	540-569	Reserved for national use
	570-599	Reserved for private use
600-649	600	Hard copy (original document) retrieval
Used in 602, 603, 612, 662, 672, 640 and 650 messages to indicate the type of retrieval data required or provided	601	Hard copy (original document) repeat retrieval
	602	Hard copy (original document) retrieval fulfilment
	603	Photocopy (microfilm copy, photocopy or fax copy retrieval
	604	Photocopy (microfilm copy, photocopy or fax copy repeat retrieval
	605	Photocopy (microfilm copy, photocopy or fax copy retrieval fulfilment
	606	Electronic image (photocopy) retrieval fulfilment
	607	Electronic image (photocopy) retrieval fulfilmer network generated

	608	Substitute draft retrieval
	609	Substitute draft repeat retrieval
	610	Substitute draft retrieval fulfilment
	611	Electronic image (substitute draft) retrieval fulfilment
	612	Electronic image (substitute draft) retrieval fulfilment network generated
	613	Retrieval not fulfilled
	614-629	Reserved for ISO use
	630-639	Reserved for national use
	640-649	Reserved for private use
650-699	650	Unable to parse message
Used in 604, 605, 624, 625 and 644 messages	651	MTI not recognized
for administrative messages	652	Message level error
	653	Batch/file level error
	654-669	Reserved for ISO use
	670-689	Reserved for national use
	689-699	Reserved for private use
700-799	700	Fee collection message
Used in 720, 721, 740, 722, 723 and 742	701	Fee collection cancellation, full/partial
messages to indicate type of fee collection transaction	702-759	Reserved for ISO use
	760-779	Reserved for national use
	780-799	Reserved for private use
800-809	800	Reserved for ISO use
Used in 804, 805, 824, 825 and 844 messages to indicate system conditions	801	System condition/sign-on
	802	System condition/sign-off
	803	System condition/target system unavailable
	804	System condition/message originator's system in backup
	805	System condition/special instruction
	806	System condition/initiate alternate routing
	807-809	Reserved for ISO use
810-819	810	Reserved for ISO use
Used in 804, 805, 824, 825 and 844 messages	811	System security/request key change
to support system security activity	812	System security/security alert
	813	System security/password change

	814	System security/device authentication
	815	System security/ deliver key
	816	System security/ request key verification
	817-819	Reserved for ISO use
820-829	820	Reserved for ISO use
Used in 804, 805, 824, 825 and 844 messages to indicate system accounting	821	System accounting/cutover
to indicate system accounting	822	System accounting/checkpoint
	823-829	Reserved for ISO use
830-839	830	Reserved for ISO use
Used in 804, 805, 824, 825 and 844 messages to indicate system audit controls	831	System audit control/echo test
to indicate system addit controls	832	System audit control/response received
	833-839	Reserved for ISO use
840-849	840	Reserved for ISO use
Used in 804, 805, 824, 825 and 844 messages to indicate batch/file transfer	841	Start of batch/file transfer
to multate batch/me transfer	842	End of batch/file transfer
	843-849	Reserved for ISO use
850-859	850	Reserved for ISO use
Used in 804, 805, 824, 825 and 844 messages to indicate synchronization	851	Exchange control, give token
	852	Clock synchronization
	853-859	Reserved for ISO use
860-879 Used in 804, 805, 824, 825 and 844 messages	860-879	Reserved for ISO use
880-889	880-889	Reserved for national use
Used in 804, 805, 824, 825 and 844 messages		
890-899 Used in 804, 805, 824, 825 and 844 messages	890-899	Reserved for private use
900-999	900-939	Reserved for ISO use
Reserved	940-969	Reserved for national use
	970-999	Reserved for private use

Message error codes (bit 18)

Table D.15 lists the message error codes.

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Table D.15 — Message error codes
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Range	Codes	Description
0000-9999	0001	Required data element missing
	0002	Invalid length
	0003	Invalid value
	0004	Amount format error
	0005	Date format error
	0006	Account format error
	0007	Name format error
	0008	Format error other, e.g. data element format is not valid
	0009	Inconsistent data with POS data code, e.g. no track 1 or track 2 for an indicated magnetic stripe read
	0010	Inconsistent data, does not match original request
	0011	Other inconsistent data
	0012	Recurring data error
	0013	Customer vendor format error
	0014-3999	Reserved for ISO use
	4000-5999	Reserved for national use
	6000-9999	Reserved for private use

Message reason codes (bit 25)

Table D.16 lists the message reason codes.

Range	Codes	Description
0000-0999	0000-0999	Reserved
Reserved for ISO		
1000-1499	1000	Stand-in processing at the card issuer's option
Reason for an authorization/financial presentment advice/notification message		Card issuer signed off
		Card issuer timed out on original request
	1003	Card issuer unavailable
	1004	Terminal processed
	1005	ICC processed
	1006	Under floor limit

	1007	Chand in proceeding of the convinction of the
	1007	Stand-in processing at the acquirer's option
	1008	Stand-in processing at the receiver's option
	1009	Receiver signed off
	1010	Receiver timed out on original request
	1011	Receiver unavailable
	1012-1150	Reserved for ISO use
	1151-1375	Reserved for national use
	1376-1499	Reserved for private use
	1500	ICC application unable to process
Reason for an authorization/financial presentment request message rather than an	1501	Reserved for ISO use
advice/notification message	1502	ICC random selection
	1503	Terminal random selection
	1504	Terminal not able to process ICC
	1505	On line forced by ICC
	1506	On line forced by card acceptor
	1507	On line forced by CAD
	1508	On line forced by terminal
	1509	On line forced by card issuer
	1510	Over floor limit
	1511	Card acceptor suspicious
	1512-1650	Reserved for ISO use
	1651-1775	Reserved for national use
	1776-1999	Reserved for private use
2000-2999	2000	Reserved for ISO use
Reason for a representment	2001	Invalid acquirer's reference number on chargeba documentation was received or was not required
	2002	Non-receipt of required documentation to supp chargeback
	2003	Correct transaction date provided
	2004	Invalid acquirer's reference number on chargeba documentation was received

	2005	Correct card acceptor location/description provided
	2006	Reserved for ISO use
	2007	Transaction did not exceed card acceptor floor limit
	2008	Card issuer authorised transaction
	2009	Reserved for ISO use
	2010	Reserved for ISO use
	2011	Credit previously issued
	2012	Reserved for ISO use
	2013	Chargeback remedied, see corresponding documentation
	2014	Duplicate chargeback
	2015	Past chargeback time limit
	2016	Requested transaction documentation provided (hardship variance)
	2017	Invalid member message text
	2018	Correct card acceptor category code provided
	2019	Authorization advised suspicious
	2020	No authorization request required or attempted
	2021	Account not listed on the applicable warning bulletin as of the transaction date
	2022	Documentation received was illegible
	2023	Documentation received was invalid/incomplete
	2024-2399	Reserved for ISO use
	2400-2699	Reserved for national use
	2700-2999	Reserved for private use
	3000	Lost card
tion	3001	Stolen card
	3002	Undelivered card
	3003	Counterfeit card
	3004	Other
	3005-3399	Reserved for ISO use
		Deserved for a time large
	3400-3699	Reserved for national use

3000-3999 Reason for a file

4000-4499	4000	Customer cancellation
Reason for a reversal	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 POS
	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
	4022-4199	Reserved for ISO use
	4200-4350	Reserved for national use
	4351-4499	Reserved for private use
4500-4999	4500	Reserved for ISO use
Reason for a chargeback	4501	Requested transaction information not received
	4502	Requested/required information illegible or missing
	4503-4006	Reserved for ISO use
	4507	Warning bulletin file

4508	Requested/required authorization not obtained
4509-4011	Reserved for ISO use
4512	Account number not on file
4513-4523	Reserved for ISO use
4524	Earlier warning bulletin protection
4525-4030	Reserved for ISO use
4531	Transaction amount differs
4532-4533	Reserved for ISO use
4534	Duplicate processing
4535	Card not valid or expired
4536	Reserved for ISO use
4537	No cardholder authorization
4538-4539	Reserved for ISO use
4540	Fraudulent processing of transaction
4541	Cancelled recurring transaction
4542	Late presentment
4543-4545	Reserved for ISO use
4546	Correct transaction currency code not provided
4547	Exceeds floor limit, not authorised – a fraudulent transaction
4548	Reserved for ISO use
4549	Questionable card acceptor activity
4550	Credit posted as a purchase
4551-4552	Reserved for ISO use
4553	Not as described
4554	Cardholder dispute, not elsewhere classified
4555	Non-receipt of merchandise
4556	Defective merchandise
4557	Card activated telephone transaction
4558	Reserved for ISO use
4559	Services not rendered

fraud4563Non-receipt of required documentation to suppor representment4564Documentation received was illegible4565Documentation received was invalid/incomplete4566Chargeback contained a valid acquirer's reference number4567Invalid acquirer's reference number on representment documentation was received or was not required		
1501Note teacher to the acc4562Counterfeit transaction, magnetic stripe authorization fraud4563Non-receipt of required documentation to suppor representment4564Documentation received was illegible4565Documentation received was invalid/incomplete4566Chargeback contained a valid acquirer's reference number4567Invalid acquirer's reference number on representment documentation was received or was not required4568Invalid acquirer's reference number on representment documentation was received4569-4572Reserved for ISO use4573Expired card4574Freeved for ISO use4579Requested transaction receipt not received4580Processing error4581Missing imprint4582Reserved for ISO use4583Non-possession of card4584Missing signature4585Reserved for ISO use	4560	Credit not processed
fraud45634563Non-receipt of required documentation to suppor representment45644565Documentation received was invalid/incomplete45664566Chargeback contained a valid acquirer's reference number4567Invalid acquirer's reference number on representment documentation was received or was not required4568Invalid acquirer's reference number on representment documentation was received4569-4572Reserved for ISO use457345744578Ineligible transaction4579Requested transaction receipt not received4580Processing error45814582Reserved for ISO use4583Non-possession of card45844585Reserved for ISO use4586Alteration of amount	4561	Reserved for ISO use
representment 4564 Documentation received was illegible 4565 Documentation received was invalid/incomplete 4566 Chargeback contained a valid acquirer's reference number 4567 Invalid acquirer's reference number on representment documentation was received or was not required 4568 Invalid acquirer's reference number on representment documentation was received 4569-4572 Reserved for ISO use 4573 Expired card 4574-4577 Reserved for ISO use 4578 Ineligible transaction 4579 Requested transaction receipt not received 4580 Processing error 4581 Missing imprint 4582 Reserved for ISO use 4583 Non-possession of card 4584 Missing signature 4585 Reserved for ISO use 4586 Alteration of amount		Counterfeit transaction, magnetic stripe authorization fraud
4565Documentation received was invalid/incomplete4566Chargeback contained a valid acquirer's reference number4567Invalid acquirer's reference number on representment documentation was received or was not required4568Invalid acquirer's reference number on representment documentation was received4569Invalid acquirer's reference number on representment documentation was received4569-4572Reserved for ISO use4573Expired card457445774578Ineligible transaction4579Requested transaction receipt not received4581Missing imprint4582Reserved for ISO use4583Non-possession of card4584Missing signature4585Reserved for ISO use4586Alteration of amount		Non-receipt of required documentation to support representment
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4573Expired card4573Expired card4574-4577Reserved for ISO use4578Ineligible transaction4579Requested transaction receipt not received4580Processing error4581Missing imprint4582Reserved for ISO use4583Non-possession of card4584Missing signature4585Reserved for ISO use4586Alteration of amount		Invalid acquirer's reference number on representment, documentation was received
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4579Requested transaction receipt not received4580Processing error4581Missing imprint4582Reserved for ISO use4583Non-possession of card4584Missing signature4585Reserved for ISO use4586Alteration of amount	4574-4577	Reserved for ISO use
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4581Missing imprint4582Reserved for ISO use4583Non-possession of card4584Missing signature4585Reserved for ISO use4586Alteration of amount	4579	Requested transaction receipt not received
4582Reserved for ISO use4583Non-possession of card4584Missing signature4585Reserved for ISO use4586Alteration of amount	4580	Processing error
4583Non-possession of card4584Missing signature4585Reserved for ISO use4586Alteration of amount	4581	Missing imprint
4584Missing signature4585Reserved for ISO use4586Alteration of amount	4582	Reserved for ISO use
4585 Reserved for ISO use 4586 Alteration of amount	4583	Non-possession of card
4586 Alteration of amount	4584	Missing signature
	4585	Reserved for ISO use
4587 Domestic transaction receipt processing violation	4586	Alteration of amount
	4587	Domestic transaction receipt processing violation
4588-4589 Reserved for ISO use	4588-4589	Reserved for ISO use
4590 Non-receipt of merchandise, non-receipt of cash a ATM or load transaction value at ATM or load device	4590	Non-receipt of merchandise, non-receipt of cash at ATM or load transaction value at ATM or load device
4591-4593 Reserved for ISO use	4591-4593	Reserved for ISO use
4594 Cancelled guaranteed reservation	4594	Cancelled guaranteed reservation
4595 Advance lodging deposit	4595	Advance lodging deposit

	4596	Transaction exceeds limited amount
	4597-4649	Reserved for ISO use
	4650-4749	Reserved for national use
	4750-4999	Reserved for private use
5000-5999 Reason for a reconciliation	5000-5299	Reserved for ISO use
	5300-5599	Reserved for national use
	5600-5999	Reserved for private use
6000-6499 Reason for a retrieval or retrieval fulfilment	6001-6004	Reserved for ISO use
	6005	Cardholder does not agree with amount billed
	6006-6020	Reserved for ISO use
	6021	Cardholder does not recognize transaction
	6022	ICC transaction certificate and associated data requested
	6023	Cardholder needs information for personal records
	6024-6027	Reserved for ISO use
	6028	Request for copy bearing signature
	6029	Travel and entertainment document request
	6030-6031	Reserved for ISO use
	6032	Copy request because original lost in transit
	6033-6034	Reserved for ISO use
	6035	Written cardholder request for original due to inadequate copy of mail/phone order or recurring transaction receipt
	6036	Legal process request for original, e.g. a subpoena
	6037	Received copy illegible
	6038	Paper/handwriting analysis request
	6039-6040	Reserved for ISO use
	6041	Fraud investigation
	6042	Potential arbitration, chargeback or compliance documentation required

	6043	Retrieval not fulfilled – not able to trace origin transaction
	6044	Retrieval not fulfilled – invalid reference number
	6045	Retrieval not fulfilled – reference number/PA incompatible
	6046	Requested documentation supplied
	6047	Retrieval cannot be fulfilled – required/request documentation is not available
	6048	Retrieval will not be fulfilled – request for an item th is not required to be provided
	6049	Retrieval cannot be fulfilled – ICC transaction certificate and associated data is not available
	6050-6199	Reserved for ISO use
	6200-6299	Reserved for national use
	6300-6499	Reserved for private use
6500-6999 Reason for an administrative message	6500-6599	Reserved for ISO use
	6600-6799	Reserved for national use
	6800-6999	Reserved for private use
7000-7999 Reason for a fee collection message	7000-7299	Reserved for ISO use
	7300-7599	Reserved for national use
	7600-7999	Reserved for private use
8000-8099	8000	Start batch/file transfer, no recovery procedure
Reason for a network management message	8001	Start batch/file transfer, recovery procedure
	8002	End batch/file
	8003-8059	Reserved for ISO use
	8060-8069	Reserved for national use
	8070-8099	Reserved for private use
8100-8199	8100	Standard key exchange/activation key life cycle
Reason for a key change message	8101	Standard key exchange/activation keys out of sync

1		
	8102	Standard key exchange/activation security reasons
	8103	Standard key exchange key deactivation
	8104	Standard key exchange verification key life cycle
	8105	Standard key exchange keys out of sync
	8106-8159	Reserved for ISO use
	8160-8169	Reserved for national use
	8170-8199	Reserved for private use
8200-8999 Reserved	8200-8399	Reserved for ISO use
Nesel veu	8400-8699	Reserved for national use
	8700-8999	Reserved for private use
9000-9999 Reserved	9000-9299	Reserved for ISO use
1/2321 VEU	9300-9599	Reserved for national use
	9600-9999	Reserved for private use

Message type identifier codes

All possible message type identifier codes

The message type identifier is a three-position code. Table D.17 gives the possible values of each position of the message type identifier code.

Range	Codes	Description
First position Message class	0	Reserved for ISO use
	1	Authorization
	2	Financial presentment
	3	File action
	4	Reversal/chargeback
	5	Reconciliation
	6	Administrative
	7	Fee collection
	8	Network management

Table D.17 — Message type identifiers

	9	Reserved for ISO use
Second position Message function	0	Request
	1	Request response
	2	Advice
	3	Advice response
	4	Notification
	5	Notification acknowledgement
	6	Instruction
	7	Instruction acknowledgement
	8	Reserved for ISO use
	9	Reserved for ISO use
Third position Transaction originator	0	Acquirer
	1	Acquirer repeat
	2	Card issuer
	3	Card issuer repeat
	4	Other originator
	5	Other originator repeat
	6	Reserved for ISO use
	7	Reserved for ISO use
	8	Reserved for ISO use
	9	Reserved for ISO use

Allocated message type identifier codes

The message type identifier is a three-position code. Table D.18 gives the codes allocated within this document.

Table D.18 — Allocated message type identifiers

Message class	Originator	Rqs t	Rqst rpt	Rqst resp	Adv c	Advc rpt	Advc resp	Ntfn	Ntfn ack	Inst	Inst ack
Authorization	Acquirer	100	101	110	120	121	130	140	150		
Verification	Other	104	105	114	124	125	134	144	154		
Financial presentment	Acquirer	200	201	210	220	221	230	240	250		
File action	Acquirer							340	350		
	Card issuer									362	372

	Other	304	305	314	324	325	334	344	354	364	374
Reversal	Acquirer				420	421	430	440	450		
Chargeback	Card issuer				422	423	432	442	452		
Reconciliation	Acquirer	500	501	510	520	521	530	540	550		
	Card issuer	502	503	512	522	523	532	542	552		
Administration	Acquirer							640	650		
	Card issuer	602	603	612						662	672
	Other	604	605	614	624	625	634	644	654		
Fee collection	Acquirer				720	721	730	740	750		
	Card issuer				722	723	732	742	752		
Network management	Other	804	805	814	824	825	834	844	854		
Key											
Rqst request											
Rpt repeat											
Resp response											
Advc advice											
Ntfn notification	1										
Ack acknowlege	ment										

Inst instruction

Point of service capability (bit 27)

POS card-reading capability

Table D.19 lists the value attributed to each bit of the 32 bits (four characters) which indicate the card-reading capabilities of the POS.

	-	Tubh					cuun	0	•	5						
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
Unknown	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Information not taken from card, e.g. RFID	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Physical (key entry or OCR reading of embossing or printed data either at time of transaction or after the event)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Optical code	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Magnetic stripe	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
ICC	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Account data on file	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-		1	-	-	-	-	-		-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32
Reserved for ISO use	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-		1	-	-	-	-	-		-	-
Reserved for national use	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-

Table D.19 — POS card-reading capability

Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

POS cardholder verification capability

Table D.20 lists the value attributed to each bit of the 32 bits which indicate the cardholder verification capabilities of the POS.

_	Iu	DIC D		105	, cui c	moru		mee		cupu	onney					
	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
Unknown	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
None	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manual signature verification	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Online PIN	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Offline PIN in clear	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Offline PIN encrypted	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Offline digitized signature analysis	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Offline biometrics	-	-	-	-	-	-		1	-	-	-	-	-		-	-
Other manual verification, e.g. passport or driver's licence	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Offline biographics	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Account-based digital signature	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Public-key-based digital signature	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32
Reserved for ISO use	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-

Table D.20 — POS cardholder verification capability

		-														
Reserved for national use	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-		1	-	-	-	-	-		-	-
Reserved for national use	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Point of service data code (bit 22)

Card-reading method used at POS

Table D.21 lists the value attributed to each bit of the 32 bits (four characters) which indicate the card-reading method actually used by the POS or how account data was obtained for this transaction.

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
Unknown	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Information not taken from card, e.g. RFID	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Physical (key entry or OCR reading of embossing or printed data either at time of transaction or after the event)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Optical code	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Magnetic stripe	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
ICC	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Account data on file	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-

Table D.21 — Card-reading method used at POS

		1			1	1			1	1	1			1		
Reserved for ISO use	-	-	-	-	-	-		1	-	-	-	-	-		-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
ICC read attempted but failed	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Magnetic stripe read attempted but failed	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Fallback	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32
Reserved for ISO use	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Cardholder verification method used at POS

Table D.22 lists the value attributed to each bit of the 32 bits (four characters) which indicate the cardholder verification method actually used by the POS.

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
Unknown	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
None	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manual signature verification	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Online PIN	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Offline PIN in clear	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Offline PIN encrypted	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Offline digitized signature analysis	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Offline biometrics	-	-	-	-	-	-		1	-	-	-	-	-		-	-
Other manual verification, e.g. passport or driver's licence	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Offline biographics	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Account-based digital signature	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Public-key-based digital signature	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for ISO use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	B1 7	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32
Reserved for ISO use	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-

Table D.22 — Cardholder verification method used at POS

Reserved for national use	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

POS environment

Table D.23 lists the value attributed to each bit of the 32 bits (four characters) which indicate the POS environment.

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
Unknown	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Attended POS	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unattended, details unknown	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Mail order/telephone order	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Electronic commerce	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Mobile commerce	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Recurring transaction	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Stored details	-	-	-	-	-	-		1	-	-	-	-	-		-	-
CAT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
ATM on bank premises	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
ATM off bank premises	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Deferred transaction	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Instalment transaction	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Key entered ATM transaction	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-

Table D.23 — POS environment

Recurring payment, first occurrence	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Recurring payment, subsequent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32
Reserved for ISO use	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Security characteristics

Table D.24 lists the value attributed to each bit of the 32 bits (four characters) which indicate the security characteristics.

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
Unknown	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Private network	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

 Table D.24 — Security characteristics

		-	1	-		-	-	-	-		1	1	1	1		
Open network (Internet)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Channel MACing	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Pass through MACing	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Channel encryption	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
End-to-end encryption	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Private algorithm encryption	-	-	-	-	-	-		1	-	-	-	-	-		-	-
PKI encryption	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Private algorithm MACing	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Standard algorithm MACing	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Cardholder managed end-to-end encryption	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Cardholder managed point-to-point encryption	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Merchant managed end- to-end encryption	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Merchant managed point-to-point encryption	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Acquirer managed end- to-end encryption	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	B31	B32
Acquirer managed point-to-point encryption	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Reserved for ISO use	-	-	-	-	-	-		1	-	-	-	-	-		-	-
Reserved for national use	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Reserved for national use	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Reserved for national use	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Reserved for private use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Shipping indicator codes (bit 34)

Table D.25 lists the Shipping indicator codes.

Code	Description
01	Ship to cardholder's billing address
02	Ship to another verified address on file with merchant
03	Ship to address that is different than the cardholder's billing address
04	"Ship to store"/pick-up at local store (store address shall be populated in shipping address fields)
05	Digital goods (includes online services, electronic gift cards and redemption codes)
06	Travel and event tickets, not shipped
07	Other (e.g. gaming, digital services not shipped, e-media subscriptions)
08	Pick-up and go delivery

Transaction type codes (bit 3)

Table D.26 lists the Transaction type codes.

Table D.26 — Transaction type codes

Range	Codes	Description
00-1Z	00	Goods and service
Debit transactions	01	Cash (ATM)
	02	Adjustment
	03	Cheque guarantee (funds guaranteed)
	04	Cheque verification (funds available but not guaranteed)

	05	Eurocheque (retired)
	06	Traveller cheque
	07	Letter of credit
	08	Giro (postal banking)
	09	Goods and services with cash disbursement
	10	Non-cash financial instrument, e.g. wire transfer
	11	Quasi-cash and scrip
	12	Cash (manual)
	13	Funds withdrawal for electronic purse; unlinked loads to funds issuer
	14	Benefits purchase with cash-back
	15	Benefit cash withdrawal
	16	Benefit cash purchase
	17	Funds withdrawal for electronic purse; unlinked unloads to card issuer
	<mark>18-1J</mark>	Reserved for ISO use
	<mark>1A</mark>	Fee Collection
	<mark>1B-1J</mark>	Reserved for ISO use
	1K-1R	Reserved for national use
	1S-1Z	Reserved for private use
20-2Z	20	Returns
Credit transactions	21	Deposits
	22	Adjustment
	23	Cheque deposit guarantee
	24	Cheque deposit
	25	Deposit with cash-back
	26	Cheque deposit with cash-back
	27	Funds deposit from electronic purse; unlinked unloads to funds issuer
	28	Funds deposit from electronic purse; unlinked loads to card issuer
	29	Original credit e.g. wire transfer, gaming wins
	2A	Goods and services; initiated by issuer for payment to goods and services provider
	2B	Pre-paid load
	2C	Funds Disbursement
	<mark>2D-2J</mark>	Reserved for ISO use
	2K-2R	Reserved for national use
	2S-2Z	Reserved for private use

30-3Z	30	Available funds inquiry
Inquiry/verification service	^s 31	Balance inquiry
	32	Validate Card-on-File
		Note: the usage for "Ledger balance inquiry" is discommissioned
	33	Verification inquiry
	34	Statement inquiry
	35	Cleared item inquiry
	36	Cash balance inquiry
	37	Instalment inquiry, e.g. instalment program terms
	38	Fee inquiry, e.g. to determine fee prior to transaction initiation
	39	Eligibility inquiry
	3A	Customer profile inquiry, e.g. inquiry performed by an ATM to retrieve customer preferences
	3B-3J	Reserved for ISO use
	3K-3R	Reserved for national use
	3S-3Z	Reserved for private use
40-4Z	40	Cardholder accounts transfer
Transfer services	41-4J	Reserved for ISO use
	4K-4R	Reserved for national use
	4S-4Z	Reserved for private use
50-5Z Payment services	50	Customer/cardholder generated/initiated bill payment – debit t customer/cardholder
	51	Account verification
	52	Payment return
	53	Biller generated/initiated bill payment – credit to biller
	54-5J	Reserved for ISO use
	5K-5R	Reserved for national use
	5S-5Z	Reserved for private use
60-6Z	60	Load value; linked loads
Electronic purse services	61	Unload value; linked unloads
	62	Transfer value
	63	Administrative
	64	Currency exchange
	65-6J	Reserved for ISO use

	6K-6R	Reserved for national use
	6S-6Z	Reserved for private use
70-7Z	70	Pin change
Administrative	71	PIN verify
	72	Activation
	73	Card update
	74	Card read
	75	Provisioning Request
	<mark>76-7J</mark>	Reserved for ISO use
	7K-7R	Reserved for national use
	7S-7Z	Reserved for private use
80-8Z	80-8J	Reserved for ISO use
Reserved	8K-8R	Reserved for national use
	8S-8Z	Reserved for private use
90-9Z	90-9J	Reserved for ISO use
Reserved	9K-9R	Reserved for national use
	9S-9Z	Reserved for private use
A0-ZZ	A0 IZ	Reserved for ISO use
Reserved	J0-PZ	Reserved for national use
	R0-ZZ	Reserved for private use

Identification Type Code (bit 51-75)

Table D.27 lists the Identification type codes.

NOTE, this is shared code with ATICA.

Codes	Description
CUID	Customer Identification (unspecified)
PRXY	Proxy Identification
NTID	National Identification
SSNB	Social Security Number
PASN	Passport Number
DRLN	Driver License
ARNB	Alien registration number

TXIN	Tax identification
LAWE	Law enforcement identification
MILI	Military identification
TRVL	Travel identification (non-passport)
CPNY	Company registration number
EMAL	email
PHON	Phone number

Data Encoding Format Code (bit 108)

Table D.28 lists the Data in local language encoding format codes.

Codes	Description
01	UTF-8
02-59	Reserved for ISO use
60-79	Reserved for national use
80-99	Reserved for private use

Account Identifier Type (bit 51)

Table D.29 lists the codes for the account identifier type.

Table D.28 Account Identifier Type

Codes	Description
00	Other
01	Routing transit number (RTN) and bank account
02	IBAN
03	Card account
04	Email
05	Phone Number
06	Bank account number (BAN) and bank identification code (BIC)
07	Wallet Id
08	Social Network Id