

Name	Description	Source	Format	Tag	Length
Authorisation Code	Value generated by the issuer for an approved transaction	Issuer	an 6	'89'	6
Authorisation Response Code	A code that defines the disposition of a message	Issuer/ Terminal	an 2	'8A'	2
Cardholder Verification Method (CVM) Results	Indicates the results of the last CVM performed	Terminal	b	'9F34'	3
Certification Authority Public Key Check Sum	A check value calculated on the concatenation of all parts of the Certification Authority Public Key (RID, Certification Authority Public Key Index, Certification Authority Public Key Modulus, Certification Authority Public Key Exponent) using SHA-1	Terminal	b	--	20
Certification Authority Public Key Exponent	Value of the exponent part of the Certification Authority Public Key	Terminal	b	--	1 to N _{CA} /4
Certification Authority Public Key Index	Identifies the certification authority's public key in conjunction with the RID	Terminal	b	'9F22'	1
Certification Authority Public Key Modulus	Value of the modulus part of the Certification Authority Public Key	Terminal	b	--	N _{CA} (up to 248)
Default Dynamic Data Authentication Data Object List (DDOL)	DDOL to be used for constructing the INTERNAL AUTHENTICATE command if the DDOL in the card is not present	Terminal	--	--	var.
Default Transaction Authenticate Data Object List (TDOL)	TDOL to be used for generating the TC Hash Value if the TDOL in the card is not present	Terminal	--	--	var.
Enciphered Personal Identification Number (PIN) Data	Transaction PIN enciphered at the PIN pad for online verification or for offline verification if the PIN pad and IFD are not a single integrated device	Terminal	b	--	8

Name	Description	Source	Format	Tag	Length
Interface Device (IFD) Serial Number	A unique and permanent serial number assigned to the IFD by the manufacturer	Terminal	an 8	'9F1E'	8
User Authentication Data	Data sent to the ICC for online issuer authentication	Issuer	b	'91'	8-16
User Script Command	Contains a command for transmission to the ICC	Issuer	b	'86'	var. up to 261
User Script Identifier	Identification of the Issuer Script	Issuer	b	'9F18'	4
User Script Template	Contains proprietary issuer data for transmission to the ICC before the second GENERATE AC command	Issuer	b	'71'	var.
User Script Template	Contains proprietary issuer data for transmission to the ICC after the second GENERATE AC command	Issuer	b	'72'	var.
User Script Results	Indicates the result of the terminal script processing	Terminal	b	--	var.
Maximum Target Percentage to be used Biased Random Selection	Value used in terminal risk management for random transaction selection	Terminal	--	--	--
Merchant Category Code	Classifies the type of business being done by the merchant, represented according to ISO 8583:1993 for Card Acceptor Business Code	Terminal	n 4	'9F15'	2
Merchant Identifier	When concatenated with the Acquirer Identifier, uniquely identifies a given merchant	Terminal	ans 15	'9F16'	15
Merchant Name and Location	Indicates the name and location of the merchant	Terminal	ans	--	var.
Message Type	Indicates whether the batch data capture record is a financial record or advice	Terminal	n 2	--	1

Name	Description	Source	Format	Tag	Length
Personal Identification Number (PIN) Pad Secret Key	Secret key of a symmetric algorithm used by the PIN pad to encipher the PIN and by the card reader to decipher the PIN if the PIN pad and card reader are not integrated	Terminal	--	--	--
Point of Service (POS) Country Mode	Indicates source of cardholder account data at the terminal according to ISO 8583:1987	Terminal	n 2	'9F39'	1
Terminal Action Code - Default	Specifies the acquirer's conditions that cause a transaction to be rejected if it might have been approved online, but the terminal is unable to process the transaction online	Terminal	b	--	5
Terminal Action Code - Denial	Specifies the acquirer's conditions that cause the denial of a transaction without attempt to go online	Terminal	b	--	5
Terminal Action Code - Offline	Specifies the acquirer's conditions that cause a transaction to be transmitted online	Terminal	b	--	5
Target Percentage to be Used for Random Selection	Value used in terminal risk management for random transaction selection	Terminal	--	--	--
Terminal Capabilities	Indicates the card data input, CVM, and security capabilities of the terminal	Terminal	b	'9F33'	3
Terminal Country Code	Indicates the country of the terminal, represented according to ISO 3166	Terminal	n 3	'9F1A'	2
Terminal Floor Limit	Indicates the floor limit in the terminal in conjunction with the AID	Terminal	b	'9F1B'	4
Terminal Identification	Designates the unique location of a terminal at a merchant	Terminal	an 8	'9F1C'	8
Terminal Risk Management Data	An application-specific value used by the ICC for risk management purposes	Terminal	b	'9F1D'	1-8
Terminal Type	Indicates the environment of the terminal, its communication capability, and its operational control	Terminal	n 2	'9F35'	1

Name	Description	Source	Format	Tag	Length
Terminal Verification Results	Status of the different functions as seen from the terminal	Terminal	b	'95'	5
Threshold Value for Used Random Selection	Value used in terminal risk management for random transaction selection	Terminal	--	--	--
Transaction Amount	Clearing amount of the transaction, including tips and other adjustments	Terminal	n 12	--	6
Transaction Certificate Hash Value	Results of a hash function	Terminal	b	'98'	8-20
Transaction Currency Code	Indicates the currency code of the transaction according to ISO 4217	Terminal	n 3	'5F2A'	2
Transaction Currency Component	Indicates the implied position of the decimal point from the right of the transaction amount represented according to ISO 4217	Terminal	n 1	'5F36'	1
Transaction Date	Local date that the transaction was authorised	Terminal	n 6 YYMMDD	'9A'	3
Transaction Personal Identification Number (N) Data	Data entered by the cardholder for the purpose of PIN verification	Terminal	cn	'99'	2-6
Transaction Reference Currency Code	Code defining the common currency used by the terminal in case the Transaction Currency code is different from the Application Currency Code.	Terminal	n 3	'9F3C'	2
Transaction Reference Currency Conversion	Factor used in the conversion from the Transaction Currency Code to the Transaction Reference Currency Code	Terminal	n 8	--	4
Transaction Reference Currency Exponent	Indicates the implied position of the decimal point from the right of the Transaction Amount, with the reference currency represented according to ISO 4217	Terminal	n 1	'9F3D'	1

Name	Description	Source	Format	Tag	Length
Transaction Sequence Identifier	Counter maintained by the terminal that is incremented by one for each transaction	Terminal	n 4-8	'9F41'	2-4
Transaction Status Information	Indicates the functions performed in a transaction	Terminal	b	'9B'	2
Transaction Time	Local time that the transaction was authorised	Terminal	n 6 HHMMSS	'9F21'	3
Transaction Type	Indicates the type of financial transaction, represented by the first two digits of ISO 8583:1987 Processing Code	Terminal	n 2	'9C'	1
Transaction Predictable Number	Value to provide variability and uniqueness to the generation of the application cryptogram	Terminal	b	'9F37'	4

Table B-1 - Data Elements Dictionary

When the length defined for the data object is greater than the length of the actual data, the following rules apply:

data element in format n is right-justified and padded with leading hexadecimal zeroes

data element in format cn (compressed numeric) is left-justified and padded with trailing hexadecimal 'F's

data element in format an is left-justified and padded with trailing hexadecimal zeroes

data element in format ans is left-justified and padded with trailing hexadecimal zeroes

When data is moved from one entity to another (such as terminal to card), it shall always be passed from high order to low order, regardless of how it is internally stored. The same rule applies when concatenating data.

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