Conversion guide
CB2A Authorisation/CBAE
for multipayment data

1   Preamble

This guide is for acquirers to help them, for RTS SCA regulation, to make conversions for e-commerce data for multipayment.

This guide concerns conversions between CB2A Authorisation 1.6.1 June 2020 and CBAE 5.01 – January 2020 (and updates).

2   Conversions for initial transaction

Transactions described in this paragraph are transactions performed with ERT = 24 with or without cardholder authentication.

NB : E-commerce data listed here are present with the limitation of their presence conditions indicated in the corresponding protocols.

Correspondance between CB2A Authorisation -> CBAE in Authorisation message requests

Label	CB2A value	CB2A Authorisation Field	CBAE Field
Cumulative total of authorised amount	Transaction specific	Field 54 amount type 43	Field 54 amount type 43
3DS protocol major version	Transaction specific	Field 56 type 0022	Field 57 type 0022
DS transaction ID	Transaction specific	UUID data from Field 56 type 0023 with nomenclature = 1	UUID data from Field 57 type 0023 with nomenclature = 1
ACS transaction ID	Transaction specific	UUID data from Field 56 type 0023 with nomenclature = 2	UUID data from Field 57 type 0023 with nomenclature = 2
Payment use case	Transaction specific	Field 56 type 0028	Field 57 type 0028
Card-on-file action	Transaction specific	Field 56 type 0029	Field 57 type 0029
Payment number	Transaction specific	Field 56 type 0031	Field 57 type 0031
Total number of payments	Transaction specific	Field 56 type 0032	Field 57 type 0032
Exemption indicator	Transaction specific	Field 56 type 0033	Field 57 type 0033
Authentication merchant name	Transaction specific	Field 56 type 0036	Field 57 type 0036
Authentication date	Transaction specific	Field 56 type 0037	Field 57 type 0037

Label	CB2A value	CB2A Authorisation Field	CBAE Field
Authentication amount	Transaction specific	Field 56 type 0038	Field 57 type 0038
Payment validity date	Transaction specific	Field 56 type 0045	Field 57 type 0045
Transaction identifier or cryptogram supplied by the acceptor	Transaction specific	Field 59 type 0400	Field 59 type 0400
Cardholder authentication value	Transaction specific	Field 59 type 0401	Field 59 type 0401
Electronic commerce transaction security type	Transaction specific	Field 59 type 0407	Field 59 type 0407
Cardholder authentication method	Transaction specific	Field 59 type 0410	Field 59 type 0410
Cardholder authentication value calculation method	Transaction specific	Field 59 type 0411	Field 59 type 0411
Three-domain secure results	Transaction specific	Field 59 type 0412	Field 59 type 0412
Additional electronic commerce data elements	Transaction specific	Field 59 type 0414	Field 59 type 0414
Digital wallet name	Transaction specific	Field 59 type 0415	Field 59 type 0415
Electronic commerce indicator	Transaction specific	Field 59 type 0416	Field 59 type 0416
Digital wallet additional data	Transaction specific	Field 59 type 0417	Field 59 type 0417
Wallet identifier	Transaction specific	Field 59 type 0418	Field 59 type 0418
Three-domain secure results, others	Transaction specific	Field 59 type 0419	Field 59 type 0419

Correspondance between CBAE -> CB2A Authorisation in responses to Authorisation requests

Label	CB2A value	CB2A Authorisation Field	CBAE Field
Unique transaction identifier	Set by the issuer	Field 47 type 95	Field 47 type 95
Original unique transaction identifier	Absent	Field 47 type 99	Field 47 type 99 is absent

3   Conversions for subsequent transactions

Transactions that are described here are the subsequent transactions performed with ERT = 27 and service attribute = 7, without authentication, that are subsequent to one initial transaction described in the previous paragraph.

NB : E-commerce data listed here are present with the limitation of their presence conditions indicated in the corresponding protocols.

Correspondance between CB2A Authorisation -> CBAE in Authorisation message requests

Label	CB2A value	CB2A Authorisation Field	CBAE Field
Original unique transaction identifier	Same as Field 47 type 95 from the response of the initial transaction	Field 47 type 99	Field 47 type 99
Cumulative total of authorised amount	Transaction specific	Field 54 amount type 43	Field 54 amount type 43
Payment use case	Same as Field 56 type 0028 from initial transaction	Field 56 type 0028	Field 57 type 0028
Card-on-file action	Absent	Field 56 type 0029	Field 56 type 0029 absent
Payment number	Transaction specific	Field 56 type 0031	Field 57 type 0031
Total number of payments	Same as Field 56 type 0032 from initial transaction	Field 56 type 0032	Field 57 type 0032
Exemption indicator	Transaction specific	Field 56 type 0033	Field 57 type 0033
Payment validity date	Same as Field 56 type 0045 from initial transaction	Field 56 type 0045	Field 57 type 0045
3DS protocol major version	Copy of Field 56 type 0022 from initial transaction (*)	Field 56 type 0046/ 3DS protocol major version	Field 119 type 0046/ 3DS protocol major version
DS transaction ID	Copy of Field 56 type 0023 from initial transaction (*)	Field 56 type 0046/ DS transaction ID	Field 119 type 0046/ DS transaction ID
ACS transaction ID	Copy of Field 56 type 0023 from	Field 56 type 0046/ ACS transaction ID	Field 119 type 0046/ ACS transaction ID

Label	CB2A value	CB2A Authorisation Field	CBAE Field
	initial transaction (*)		
Authentication merchant name	Copy of Field 56 type 0036 from initial transaction (*)	Field 56 type 0046/ Authentication merchant name	Field 119 type 0046/ Merchant name
Authentication date	Copy of Field 56 type 0037 from initial transaction (*)	Field 56 type 0046/ Authentication date	Field 119 type 0046/ Authentication date
Authentication amount	Copy of Field 56 type 0038 from initial transaction (*)	Field 56 type 0046/ Authentication amount	Field 119 type 0046/ Authentication amount
Actual Cardholder authentication value	Absent	Field 59 type 0401	Sans objet
Actual Electronic commerce transaction security type	Absent	Field 59 type 0407	Sans objet
Actual Cardholder authentication method	Absent	Field 59 type 0410	Sans objet
Actual Cardholder authentication value calculation method	Absent	Field 59 type 0411	Sans objet
Actual Three-domain secure results	Absent	Field 59 type 0412	Sans objet
Actual Three-domain secure results, others	Absent	Field 59 type 0419	Sans objet
Initial cardholder authentication value	Copy of Field 59 type 0401 from initial transaction (*)	Field 59 type 0420/ Cardholder authentication value	Field 119 type 0420/ Authentication value
Initial electronic commerce transaction security type	Copy of Field 59 type 0407 from initial transaction (*)	Field 59 type 0420/ Electronic commerce transaction security type	Field 119 type 0420/ Electronic commerce transaction security type
Initial cardholder authentication method	Copy of Field 59 type 0410 from initial transaction (*)	Field 59 type 0420/ Cardholder authentication method	Field 119 type 0420/ Cardholder authentication method
Initial carholder authentication value calculation method	Copy of Field 59 type 0411 from initial transaction (*)	Field 59 type 0420/ Carholder authentication value calculation method	Field 119 type 0420/ Carholder authentication value calculation method

Label	CB2A value	CB2A Authorisation Field	CBAE Field
Initial result of using a secured remote payment architecture	Copy of Field 59 type 0412 from initial transaction (*)	Field 59 type 0420/ Result of using a secured remote payment architecture	Field 119 type 0420/ Result of using a secured remote payment architecture
Initial extension of result of using a secured payment architecture	Copy of Field 59 type 0419 from initial transaction (*)	Field 59 type 0420/ Extension of result of using a secured payment architecture	Field 119 type 0420/ Extension of result of using a secured payment architecture

(*) If the data element has no object, it is set to the padding characters that are specific to the data format