Data Dictionary - Enhanced Response

Public - Security Level 0

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REVISION HISTORY

Date	Version	Author(s)	Comments
5/23/16	2.0	C. Meaney	Reformatting

Contents

Enhanced Response Overview

The following fields are returned in the response when the Enhanced Authorization Response flag is enabled on the merchant profile. Please contact your relationship manager for more information regarding enabling this feature.

Version 2

When the merchant profile is set to a Version 2 enhanced response, the below fields are included in the response along with the basic legacy response fields listed in the main data dictionary.

AUTH_AMOUNT

The AUTH_AMOUNT field contains the amount that was used during the transaction.

Example:

```
<FIELD KEY="AUTH_AMOUNT">3.21</FIELD>
```

AUTH_AMOUNT_REQUESTED

The AUTH_AMOUNT_REQUESTED field contains the amount that was requested to be used during the transaction.

Example:

```
<FIELD KEY="AUTH_AMOUNT_REQUESTED">3.2100</FIELD>
```

AUTH_CARD_COUNTRY_CODE

The AUTH_CARD_COUNTRY_CODE field contains the 3-digit numeric representation of the country in which the card was issued.

Example:

```
<FIELD KEY="AUTH_CARD_COUNTRY_CODE">840</FIELD>
```

AUTH_CARD_COUNTRY_NAME

The AUTH_CARD_COUNTRY_NAME field contains the name of the country in which the card was issued.

Example:

```
<FIELD KEY="AUTH_CARD_COUNTRY_NAME">USA</FIELD>
```

AUTH_CARD_CURRENCY_CODE

The AUTH_CARD_CURRENCY_CODE field contains the 3-digit numeric representation of the currency used by the issuer to bill the cardholder's account.

Example:

```
<FIELD KEY="AUTH_CURRENCY_CODE">840</FIELD>
```

AUTH_CARD_CURRENCY_NAME

The AUTH_CARD_CURRENCY_NAME field contains the name of the currency in which the card was issued.

Example:

```
<FIELD KEY="AUTH_CURRENCY_NAME">USD</FIELD>
```

AUTH_CARD_B for Visa and MasterCard

The AUTH_CARD_B field contains a code that will represent how the card was used during the transaction. The table below contains a list of possible values for Visa and MasterCard.

Example:

```
<FIELD KEY="AUTH_CARD_B">C</FIELD>
```

Codes	Description
Visa	
C	Credit Card
D	Debit Card
F	Visa Check Card II
	Unspecified
MasterCard	
DMC	Debit Card
MCC	Credit Card

Codes	Description
MSI	Maestro
SOL	Solo
SWI	Switch
	Unspecified

AUTH_CARD_C for Visa

The AUTH_CARD_C field contains a code that will represent the credit card Product ID used during the transaction. The table below contains a list of possible values for Visa.

Example:

```
<FIELD KEY="AUTH_CARD_C">A</FIELD>
```

Code	Description
A	Traditional
AX	American Express
B	Visa Traditional Rewards
C	Visa Signature
D	Visa Signature Preferred
DI	Discover
DN	Diners
E	Proprietary ATM
F	Visa Classic
G	Visa Business
G1	Visa Signature Business
G3	Visa Business Enhanced

Code	Description
G4	Visa Infinite Business
I	Visa Infinite
J3	Visa Healthcare
JC	JCB
K	Visa Corporate T&E
K1	Visa GSA Corporate T&E
L	Electron
M	MasterCard
N	Visa Platinum
N1	Visa Rewards
N2	Visa Select
P	Visa Gold
Q	Private Label
R	Proprietary
S	Visa Purchasing
S1	Visa Purchasing with Fleet
S2	Visa GSA Purchasing
S3	Visa GSA Purchasing with Fleet
S4	Commercial Loan
S5	Commercial Transport EBT
S6	Business Loan
S7	Visa Distribution
U	Visa Travel Money

Code	Description
V	V Pay

AUTH_CARD_A and AUTH_CARD_C for MasterCard

The AUTH_CARD_A and AUTH_CARD_C fields contain codes that, when taken together, represent the MasterCard credit card Product ID used during the transaction. The table below contains a list of possible values for MasterCard.

Examples:

```
<FIELD KEY="AUTH_CARD_A">MPL</FIELD><FIELD KEY="AUTH_CARD_C"> MCT</FIELD>
```

AUTH_CARD_A	AUTH_CARD_C	Description
CIR	CIR	Cirrus
MAB	MAB	World Elite MasterCard for Business
MAC	MAC	MasterCard Corporate World Elite
MBE	MBE	MasterCard Electronic Business
MBE	MRB	Prepaid MasterCard Electronic Business (Non-U.S.)
MBK	MBK	MasterCard Black
MCB	MBD	MasterCard Deferred Debit Business
MCB	MCB	MasterCard BusinessCard Card
MCB	MDB	Debit Business Card
MCB	MEB	MasterCard Executive BusinessCard Card
MCB	MEO	MasterCard Executive Corporate card
MCB	MLC	MasterCard Micro-BusinessCard Card
MCB	MLD	MasterCard Distribution Card
MCB	MPC	MasterCard Professional Card
MCB	MXB	Debit Card X Code

AUTH_CARD_A	AUTH_CARD_C	Description
MCB	MPW	MasterCard Debit Business Card Prepaid Workplace
MCC	MCC	MasterCard Credit (mixed BIN)
MCC	MHC	MasterCard Healthcare Credit Non-Substantiated
MCC	MNS	MCC-MasterCard Mixed
MCD	MCD	Debit MasterCard
MCE	MCA	MasterCard Electronic Basic
MCE	MCE	MasterCard Electronic
MCE	MED	Debit MasterCard Electronic (Non-U.S.)
MCE	MLB	MasterCard Electronic Student Card
MCE	MLH	Debit MasterCard Electronic Commercial Card
MCE	MRL	Prepaid MasterCard Electronic Commercial Card
MCF	MCF	MasterCard Fleet Card
MCF	MDM	Middle Market Fleet Card
MCG	MCG	MasterCard Gold Card
#MCO	MLL	MasterCard Central Travel Solutions Land
MCO	MCO	MasterCard Corporate
MCO	MDQ	Middle Market Corporate Card
MCO	MLA	MasterCard Central Travel Solutions Air
MCP	MCP	MasterCard Purchasing Card
MCP	MDN	Middle Market Purchasing Card
MCS	MCS	MasterCard Standard Card
MCS	MCU	MasterCard Un-embossed
MCS	MIC	MasterCard Credit Standard Student Card

AUTH_CARD_A	AUTH_CARD_C	Description
MCS	MIG	MasterCard Un-embossed Student Card
MCS	MIU	Debit MasterCard Un-embossed (Non-U.S.)
MCS	MSD	MasterCard Deferred Debit Consumer
MCS	M1J	Debit MasterCard Un-embossed Student Card
MCW	MCW	World MasterCard Card
MDG	MDG	Debit Gold MasterCard
MDG	MXG	Debit Card Gold
MCO	MLL	MasterCard Central Travel Solutions Land
MCO	MCO	MasterCard Corporate
MCO	MDQ	Middle Market Corporate Card
MCO	MLA	MasterCard Central Travel Solutions Air
MCP	MCP	MasterCard Purchasing Card
MCP	MDN	Middle Market Purchasing Card
MCS	MCS	MasterCard Standard Card
MCS	MCU	MasterCard Un-embossed
MCS	MIC	MasterCard Credit Standard Student Card
MCS	MIG	MasterCard Un-embossed Student Card
MCS	MIU	Debit MasterCard Un-embossed (Non-U.S.)
MCS	MSD	MasterCard Deferred Debit Consumer
MCS	M1J	Debit MasterCard Un-embossed Student Card
MCW	MCW	World MasterCard Card
MDG	MDG	Debit Gold MasterCard
MDG	MXG	Debit Card Gold

AUTH_CARD_A	AUTH_CARD_C	Description
MDH	MDH	Debit World
MDH	MDI	Debit World
MDJ	MDJ	Debit Other 2 Embossed
MDJ	MDK	Debit Other 2 Un-embossed
MDL	MDL	Business Debit Other Embossed
MDO	MDO	Debit Other
MDO	MXO	Debit Card Other
MDP	MDP	Debit Platinum
MDP	MEP	Premium Debit MasterCard
MDP	MUP	Premium Debit MasterCard Un-embossed
MDP	MXP	Debit Card Platinum
MDR	MDR	Debit Brokerage 1
MDR	MXR	Debit Card Brokerage
MDS	MPZ	Prepaid MasterCard Debit Standard-Government
MDS	MPQ	Prepaid MasterCard Debit Standard-Government
MDS	MPM	Prepaid MasterCard Debit Standard-Consumer
MDS	MPY	Prepaid MasterCard Debit Standard-Employee
MDS	MDS	Debit MasterCard Card
MDS	MDU	Debit MasterCard Un-embossed
MDS	MHA	MasterCard Healthcare Prepaid Non-tax
MDS	MHB	MasterCard HSA Substantiated
MDS	MHH	MasterCard HSA Non-Substantiated
MDS	MID	Debit MasterCard Un-embossed Student Card

AUTH_CARD_A	AUTH_CARD_C	Description
MDS	MIS	MasterCard Debit Standard Student Card
MDS	MPA	Prepaid MasterCard Debit Standard-Payroll
MDS	MPF	Prepaid MasterCard Debit Standard-Gift
MDS	MPN	Prepaid MasterCard Debit Standard-Insurance
MDS	MPO	Prepaid MasterCard Debit Standard-Other
MDS	MPR	Prepaid MasterCard Debit Standard-Travel
MDS	MPT	Prepaid MasterCard Debit Standard-Teen
MDS	MPX	Prepaid MasterCard Debit Standard-Flex Benefit
MDS	MPY	Prepaid MasterCard Debit Standard-Government
MDS	MXS	Debit Card Standard
MDT	MDT	Commercial Debit
MEC	MEC	MasterCard Payment Account
MEF	MEF	Electronic Payment Account
MGF	MGF	MasterCard Government Commercial Card
MNF	MNF	MasterCard Public Sector Commercial Card
MNW	MNW	MasterCard New World
MPB	MPB	MasterCard Preferred Business Card
MPG	MIA	Prepaid MasterCard Un-embossed Student Card
MPG	MPG	MasterCard Debit Standard Prepaid-General Spend
MPG	MUS	Prepaid MasterCard Un-embossed
MPK	MPK	Prepaid MasterCard Government Commercial Card
MPL	MCT	MasterCard Titanium
MPL	MPL	Platinum MasterCard

AUTH_CARD_A	AUTH_CARD_C	Description
MPP	MIP	MasterCard Debit Prepaid Student Card
MPP	MPP	Prepaid
MRC	MIK	Prepaid MasterCard Electronic Student Card
MRC	MRC	Prepaid MasterCard Electronic (Non-U.S.)
MRG	MIL	Prepaid MasterCard Un-embossed Student Card
MRG	MRG	MasterCard Standard Prepaid (Non-U.S.)
MRG	SUR	Prepaid MasterCard Un-embossed (Non-U.S.)
MRW	MRW	MasterCard Credit Business Card Prepaid (Non-U.S.)
MSA	MSA	Prepaid Maestro Payroll Card
MSF	MSF	Prepaid Maestro Gift Card
MSG	MSG	Prepaid Maestro Consumer Reloadable Card
MSI	MSB	Maestro Small Business
MSI	MSI	Maestro
MSI	MSS	Maestro Student Card
MSM	MSM	Prepaid Maestro Consumer Promotion Card
MSN	MSN	Prepaid Maestro Insurance Card
MSO	MSO	Prepaid Maestro Other Card
MSQ	MSQ	Reserved for Future Use
MSR	MSR	Prepaid Maestro Travel Card
MST	MST	Prepaid Maestro Teen Card
MSV	MSV	Prepaid Maestro Government Benefit Card
MSW	MSW	Prepaid Maestro Corporate Card
MSX	MSX	Prepaid Maestro Flex Benefit Card

AUTH_CARD_A	AUTH_CARD_C	Description
MSY	MSY	Prepaid Maestro Employee Incentive Card
MSZ	MSZ	Prepaid Maestro Assistance Card
MWB	MWB	World MasterCard for Business
MWE	MWE	World Elite MasterCard
MWO	MWO	MasterCard Corporate World
PMC	PMC	Proprietary Credit Card (Sweden Domestic)
PMD	PMD	Proprietary Debit Card (Sweden Domestic)
PSC	PSC	Common Proprietary Swedish Credit Card
PSD	PSD	Common Proprietary Swedish Debit Card
PVC	PVC	Private Label C
PVD	PVD	Private Label D
PVE	PVE	Private Label E
PVF	PVF	Private Label F
PVG	PVG	Private Label G
PVH	PVH	Private Label H
PVJ	PVJ	Private Label J
PVI	PVI	Private Label L
PYA	PYA	Private Label A
PYL	PYL	Private Label L
SOL	SOL	UK Domestic Solo Brand
SWI	SWI	UK Domestic Switch Brand
		Undefined

AUTH_CURRENCY_CODE

The AUTH_CURRENCY_CODE field contains the 3-digit numeric representation of the currency in which the amount was authorized.

Example:

```
<FIELD KEY="AUTH_CURRENCY_CODE">840</FIELD>
```

AUTH_MASKED_ACCOUNT_NBR

The AUTH_MASKED_ACCOUNT_NBR field contains the masked account number with only the last 4 digits of the card showing.

Example:

```
<FIELD KEY="AUTH_MASKED_ACCOUNT_NBR">************1111</FIELD>
```

Version 3

When the merchant profile is set to a Version 3 enhanced response, the following fields are included in the response along with the Version 2 enhanced response fields listed in the previous section.

AUTH_CARD_E

The AUTH_CARD_E field contains the original credit flag that will indicate for issuers if the Original Credit transaction will be accepted. Possible values for this field are listed below.

Example:

```
<FIELD KEY="AUTH_CARD_E">Y</FIELD>
```

Value	Description
Y	Accept OC transactions
N	Reject OC transactions

AUTH_CARD_F

The AUTH_CARD_F field contains the money transfer flag that will indicate for issuers if the Money Transfer transaction will be accepted. Possible values for this field are listed below.

Example:

```
<FIELD KEY="AUTH_CARD_F">Y</FIELD>
```

Value	Description
Y	Accept MT transactions
N	Reject MT transactions

AUTH_CARD_G

The AUTH_CARD_G field contains the online gambling flag that will indicate for issuers if the Online Gambling transaction will be accepted. Possible values for this field are listed below.

Example:

```
<FIELD KEY="AUTH_CARD_G">Y</FIELD>
```

Value	Description
Y	Accept OG transactions
N	Reject OG transactions

AUTH_CARD_H

The AUTH_CARD_H field contains the combo card code that will indicate if the card number provided is a Combo Card and if so what type. Possible values for this field are listed below.

Example:

```
<FIELD KEY="AUTH_CARD_H">Y</FIELD>
```

Value	Description
Y	Combo Card, Credit and Debit
C	Combo Card, Credit and Prepaid
N	Not a Combo Card

AUTH_CARD_I

The AUTH_CARD_I field contains the fast funds code that will indicate if the card number provided is valid for Fast Funds. Possible values for this field are listed below.

Example:

```
<FIELD KEY="AUTH_CARD_I">Y</FIELD>
```

Value	Description
Y	Valid for Fast Funds
N	Not Valid for Fast Funds

AUTH_CARD_J

The AUTH_CARD_J field contains the travel indicator that will indicate if the card number provided is Travel Card-capable. Possible values for this field are listed below.

Example:

```
<FIELD KEY="AUTH_CARD_J">Y</FIELD>
```

Value	Description
Y	Travel card-capable
N	Not applicable

Version 5

When the merchant profile is set to a Version 5 enhanced response, the following fields will be included in the response along with all of the prior versions' enhanced response fields listed in the previous sections.

AUTH_CARD_L

The AUTH_CARD_L field contains the account funding source code. Possible values for this field are listed below.

Example:

```
<FIELD KEY="AUTH_CARD_L">C</FIELD>
```

Value	Description
C	Credit
D	Debit
P	Prepaid
H	Charge
R	Deferred Debit

AUTH_CARD_K

The AUTH_CARD_K field shows if the account is regulated for use. Possible values for this field are listed below.

Example:

```
<FIELD KEY="AUTH_CARD_K">N</FIELD>
```

Value	Description
0	Regulated BIN Type
1	Regulated BIN Type
N	Unregulated BIN