



Transaction Specs – COF / MIT/ Recurring / Installment

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10/29/2020	1.1	M. Billips	Add COF & MIT support
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10/6/2023	1.4	M. Billips	Add MasterCard to ACI_EXT

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EPX Tag Reference

This chapter outlines the tags specifically associated with COF, MIT, Recurring, and Installment transactions. Reference the EPX data dictionary for the complete list of request and response tags.

Request Tags

ACI_EXT

The Authorization Characteristics Indicator Extension (ACI_EXT) field is used to identify additional characteristics of the transaction for the Networks. The below table describes the possible values.

ACI Extension Values for card types

ACI_EXT Value	Description	Card Type
AE	Estimated Amount	Discover
CA	AFD Completion Advice Host will add this to transaction based on TRAN_TYPE	Visa
DS	Delayed Card Sale	Discover, MasterCard, & Visa
IP	Installment Payment	Discover, MasterCard, & Visa
NS	No Show charges	Discover, MasterCard, & Visa
PS	Partial Shipment	Discover, MasterCard, & Visa
RA	Re-authorization	Discover and Visa
RB	Recurring Billing	All card types
RS	Resubmission of Card Sale	Discover, MasterCard, & Visa
SA	Subscription/Standing Authorization	Discover, MasterCard, & Visa
UP	Unscheduled Payment (MIT)	Discover, MasterCard, & Visa

If the four-part processing key requires a CVV2 value to process an authorization, sending the ACI_EXT field will override this requirement, as recurring or installment transactions do not require a CVV2 value. This field should always be submitted when performing a recurring or installment authorization or sale transactions.

- Variable Type: Alphanumeric
- Max Length: 2

Example:

```
<ACI_EXT>RB</ACI_EXT>
```

CARD_ENT_METH

The CARD_ENT_METH (Card Entry Method) field is used to indicate how the card number was entered for the transaction.

CARD_ENT_METH Values for COF

Value	Description
Z	BRIC / GUID Token Transaction
6	PAN Entry via COF (Merchant's Card On File)

- Variable Type: Alphanumeric
- Max Length: 1

COF_PERIOD

The COF_PERIOD tag is used to indicate a base transaction for Card on File and Merchant Initiated Transactions. The COF_PERIOD designates the BRIC / GUID as COF / MIT and the number of months to keep the BRIC / GUID available for usage. This tag is only to be used during the base transaction request or customer initiated transaction. All subsequent COF / MIT transactions should not contain this tag.

- If COF_PERIOD is not supplied with "CCx0" AVS Only, "CCx1" Sale, and "CCx2" Auth Only transactions, EPX will by default mark as COF with the standard 13 month life usage window.
- If COF_PERIOD is supplied with a value of 1 – 24, EPX will mark as COF with the numeric value indicating the amount of months the BRIC / GUID will be available for usage. If the EPX BRIC / GUID is used within the initially specified window of time, EPX will reset the usage window to the original requested number of months; essentially restoring it with a new life cycle.
- If COF_PERIOD is supplied with a value of "0", EPX will **NOT** mark as COF. The BRIC can only be used to perform "CCx4" Capture Only, "CCx7" Reversal, "CCx9" Return, and "CCxX" Void transactions. The BRIC cannot be used to process any new "CCx0" AVS Only, "CCx1" Sale, and "CCx2" Auth Only transactions. The cardholder must provide their account information to process new transactions with the ACCOUNT_NBR, EXP_DATE, and CVV2.

The table below indicates the possible values and usage for COF_PERIOD.

COF_PERIOD Values

Value	Description
0	Specifies the transaction will NOT be sent out with the COF indicator to the Networks and the BRIC cannot be used to process any new AVS, Auth Only, or Sale transactions.
1 - 24	Specifies the amount of months the EPX BRIC / GUID is available for usage.

- Variable Type: Numeric
- Max Length: 2

ORIG_AUTH_AMOUNT

The ORIG_AUTH_AMOUNT tag contains the original authorization amount that was returned in the AUTH_AMOUNT response tag from the original base Card on File CCx0 AVS, CCx1 Sale, and CCx2 Auth Only transaction requests. EPX will include this value in the COF / MIT authorization request to the Networks.

Note: This tag is specifically used to support PAN based COF / MIT transactions, and is non-applicable to EPX BRIC / GUID based COF / MIT transactions.

- Variable Type: Numeric (Decimal Point Required)
- Format: N.NN
- Max Length: 13
- REGEX: $^{\wedge}([0-9])\{1,12\}?(\\.[0-9]\{0,4\})|([0-9])\{0,12\}?(\\.[0-9]\{1,4\}))\$$

Example:

```
<ORIG_AUTH_AMOUNT>77.00</ORIG_AUTH_AMOUNT>
```

ORIG_AUTH_GUID

The ORIG_AUTH_GUID field contains the BRIC/GUID (Globally Unique Identifier) of the original transaction being referenced in the current transaction. This field is used in transactions such as a capture of an existing authorization or the void of an existing unsettled sale. This field is also used when doing a BRIC/GUID-based token transaction such as a new Authorization or Sale.

- Variable Type: Alphanumeric
- Max Length: 20

Example:

```
<ORIG_AUTH_GUID>0V7017HDJXK00PNZKBE</ORIG_AUTH_GUID>
```

ORIG_AUTH_TRAN_IDENT

The ORIG_AUTH_TRAN_IDENT tag contains the NTID (Network Transaction ID) value that was returned in the AUTH_TRAN_IDENT response tag from the original base Card on File CCx0 AVS, CCx1 Sale, and CCx2 Auth Only transaction requests. EPX will include this value in the COF / MIT authorization request to the Networks.

Note: This tag is specifically used to support PAN based COF / MIT transactions, and is non-applicable to EPX BRIC / GUID based COF / MIT transactions.

- Variable Type: Alphanumeric
- Max Length: 20
- REGEX: ^([A-Z0-9]){0,20}\$

Example:

```
<ORIG_AUTH_TRAN_IDENT>210817175754976</ORIG_AUTH_TRAN_IDENT>
```

Response Tags

AUTH_AMOUNT

The AUTH_AMOUNT tag contains the actual dollar amount that the transaction request was approved for.

- Variable Type: Numeric
- Max Length: 13
- Format: N.NN

Example:

```
<FIELD KEY="AUTH_AMOUNT">237.0000</FIELD>
```

AUTH_GUID

The AUTH_GUID field contains the globally unique identifier (GUID), also commonly referred to as the EPX BRIC for the transaction requested. This value is unique throughout the EPX platform. When retained, the BRIC / GUID can be used later to reference the transaction for other transactions, such as a refund. It can also be used by the relationship manager to refer to specific transactions.

- Variable Type: Alphanumeric
- Max Length: 20

Example:

```
<FIELD KEY="AUTH_GUID">0V703WNY8DD00KXNQG1</FIELD>
```

AUTH_TRAN_IDENT

The AUTH_TRAN_IDENT response tag contains the NTID (Network Transaction ID) value that is returned by the Networks only for approved transactions.

Note: This value is specifically used to support PAN based COF / MIT transactions, and is non-applicable to EPX BRIC / GUID based COF / MIT transactions.

- Variable Type: Alphanumeric
- Max Length: 20
- REGEX: `^([A-Z0-9]){0,20}$`

Example:

```
<AUTH_TRAN_IDENT>210817175754976</AUTH_TRAN_IDENT>
```

COF Credential on File

Overview

The EPX platform supports COF (credential on file) functionality to comply with the Network requirements. We offer the ability for the client application to accomplish this by sending an EPX BRIC (Token) based transaction or sending the PAN with the appropriate elements with the CCx1 Sale and CCx2 Authorization Only transaction requests.

BRIC Lifetime

The EPX BRIC (GUID/Token) can be used to create new transactions within the EPX system, but it is important to know how long the value will be available for this use. BRICs received with the response of a financial transaction, such as an authorization, will only be accessible for 13 months from creation. This limitation applies to all financial BRICs by default. Since each financial transaction created with a BRIC receives a new BRIC in the response, a common practice is for merchants to replace the previous BRIC with the new one, as this new token is valid for a new 13-month interval.

For those merchants who need the BRIC availability to exceed this limitation, the BRIC Storage transaction is available and will create BRICs that will be accessible indefinitely.

Field types

Note the following about mandatory and optional fields:

- Mandatory fields are shown in **bold** and need to be submitted with the transaction request to ensure a successful response.
- Optional fields can be omitted; however, optional fields might still be used during the transaction. For example, if optional AVS fields are provided, they are validated and an AVS response is sent back. Also, a merchant's profile can be set up to make some optional fields mandatory to comply with Risk and Underwriting requirements.

Transaction Types

The transaction samples in the following chapter contain the TRAN_TYPE field values of CCx, where the "x" indicates the industry type (Retail, MOTO, Ecommerce). Reference the respective industry-specific Transaction Specs for more details and the Data Dictionary for EPX field definitions.

Transaction Samples

Base Transaction for COF

The base or reference transaction is used to indicate to the Networks that the account information will be stored for credential / card on file for future usage. When the COF_PERIOD tag is absent from the request or is presented with a value of 1 – 24, it will be used to designate the transaction as a COF / MIT base transaction. The following types of transaction types can be sent as base COF transactions.

Note: If COF_PERIOD is supplied with a value of "0", EPX will *not* mark as COF.

- CCx0 – Account Verification
- CCx1 – Sale (authorization & capture)
- CCx2 – Authorization Only

Account Verification (CCx0) for BRIC usage

This is a sample of a base COF Ecommerce Account Verification with the COF_PERIOD tag indicating BRIC usage with a 24 month life span.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE0</TRAN_TYPE>
<COF_PERIOD>24</COF_PERIOD>
<AMOUNT>0.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>31</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>E</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<CVV2>123</CVV2>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF base transaction for BRIC usage</USER_DATA>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE0&COF_PERIOD=24&AMOUNT=0.00&BATCH_ID=17&TRAN_NBR=31&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=E&INDUSTRY_TYPE=E&CVV2=123&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF base transaction for BRIC usage
```

Account Verification (CCx0) for PAN usage

This is a sample of a base COF Ecommerce Account Verification *without* the COF_PERIOD tag indicating PAN usage.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE0</TRAN_TYPE>
<AMOUNT>0.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>32</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>E</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<CVV2>123</CVV2>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF base transaction for PAN usage</USER_DATA>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE0&AMOUNT=0.00&BATCH_ID=17&TRAN_NBR=32&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=E&INDUSTRY_TYPE=E&CVV2=123&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF base transaction for PAN usage
```

Sale – Authorization & Capture (CCx1) for BRIC usage

This is a sample of a base COF Ecommerce Sale (Authorization & Capture) with the COF_PERIOD tag indicating BRIC usage with an 18 month life span.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<COF_PERIOD>18</COF_PERIOD>
<AMOUNT>79.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>33</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>E</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<CVV2>123</CVV2>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF base transaction for BRIC usage</USER_DATA>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&COF_PERIOD=18&AMOUNT=79.00&BATCH_ID=17&TRAN_NBR=33&ACCOUNT_NBR=411111111111111&EXP_DATE=4912&CARD_ENT_METH=E&INDUSTRY_TYPE=E&CVV2=123&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF base transaction for BRIC usage
```

Sale – Authorization & Capture (CCx1) for PAN usage

This is a sample of a base COF Ecommerce Sale (Authorization & Capture) *without* the COF_PERIOD tag indicating PAN usage.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>79.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>34</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>E</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<CVV2>123</CVV2>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF base transaction for PAN usage</USER_DATA>
```

</DETAIL>

HTTPS

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=79.00&BATCH_ID=17&TRAN_NBR=34&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=E&INDUSTRY_TYPE=E&CVV2=123&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF base transaction for PAN usage

Authorization Only (CCx2) for BRIC usage

This is a sample of a base COF Ecommerce Authorization Only with the COF_PERIOD tag indicating BRIC usage with a 20 month life span.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<COF_PERIOD>20</COF_PERIOD>
<AMOUNT>79.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>35</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>E</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<CVV2>123</CVV2>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF base transaction for BRIC usage</USER_DATA>
</DETAIL>
```

HTTPS

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&COF_PERIOD=20&AMOUNT=79.00&BATCH_ID=17&TRAN_NBR=35&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=E&INDUSTRY_TYPE=E&CVV2=123&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF base transaction for BRIC usage

Authorization Only (CCx2) for PAN usage

This is a sample of a base COF Ecommerce Authorization Only *without* the COF_PERIOD tag indicating PAN usage.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>79.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>36</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>E</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<CVV2>123</CVV2>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF base transaction for PAN usage</USER_DATA>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=79.00&BATCH_ID=17&TRAN_NBR=36&ACCOUNT_NBR=411111111111111&EXP_DATE=4912&CARD_ENT_METH=E&INDUSTRY_TYPE=E&CVV2=123&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF base transaction for PAN usage
```

Sale – Authorization & Capture (CCx1) – Non-COF

This is a sample of a base COF Ecommerce Sale (Authorization & Capture) with the COF_PERIOD tag containing a value of "0" to indicate non-COF where the BRIC cannot be used to process new transactions.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<COF_PERIOD>0</COF_PERIOD>
<AMOUNT>79.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>37</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>E</CARD_ENT_METH>
```

```

<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<CVV2>123</CVV2>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF base transaction for PAN usage</USER_DATA>
</DETAIL>

```

HTTPS

```

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&COF_PERIOD
=0&AMOUNT=79.00&BATCH_ID=17&TRAN_NBR=37&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912
&CARD_ENT_METH=E&INDUSTRY_TYPE=E&CVV2=123&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRES
S=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF base
transaction for PAN usage

```

Authorization Only (CCx2) – Non-COF

This is a sample of an Ecommerce Authorization Only with the COF_PERIOD tag containing a value of "0" to indicate non-COF where the BRIC cannot be used to process new transactions.

XML

```

<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<COF_PERIOD>0</COF_PERIOD>
<AMOUNT>79.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>38</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>E</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<CVV2>123</CVV2>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF base transaction for PAN usage</USER_DATA>
</DETAIL>

```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&COF_PERIOD=0&AMOUNT=79.00&BATCH_ID=17&TRAN_NBR=38&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=E&INDUSTRY_TYPE=E&CVV2=123&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF base transaction for PAN usage
```

Sale (CCx1)

The sale transaction is an authorization and capture within the same transaction. Because of this, the authorization is immediately captured by the EPX platform so no additional transaction is required to capture the authorization. If the sale is approved, the transaction will close and settle during the next batch close time for funding to take place.

COF with BRIC/GUID

This is a sample of a COF Ecommerce Sale with an EPX BRIC containing CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3113</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3113&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF PAN
```

COF with PAN

This is a sample of a COF Ecommerce Sale with account information containing the ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3113</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3113&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF PAN
```

Authorization Only (CCx2)

The authorization only transaction is an authorization that will hold funds equal to the AMOUNT of the transaction on a cardholders' account. A subsequent capture transaction is required in order for settlement and funding to take place. However, when no capture is performed, the funds that are held from the authorization will not be made available to the cardholder until the issuing bank releases them which is typically 3-10 days later. The card brands usually allow up to 30 days to capture the authorization, because of this the EPX platform will not allow an authorization BRIC to be captured after the 30 day window. If there is no intention to capture and settle the authorization, a reversal should be performed on the authorization BRIC per card brand rules.

COF with BRIC/GUID

This is a sample of a COF Ecommerce Sale with an EPX BRIC containing CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC-based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3114</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3114&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF PAN
```

COF with PAN

This is a sample of a COF Ecommerce Authorization Only with account information containing the ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3114</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
```

```
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3114&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=COF PAN
```

Recurring and Installment Transactions

Overview

The EPX platform supports Recurring and Installment transactions. The client application is required to include the ACI_EXT (Authorization Characteristics Indicator Extension) tag and the appropriate value for all recurring / installment CCx1 Sale and CCx2 Authorization Only transaction requests. Failure to include this data in the request message can result in declines from the issuer. When the ACI_EXT and CARD_ENT_METH tags are present, EPX will initiate the authorization request to the Networks using the appropriate credential on file requirements.

BRIC Lifetime

The EPX BRIC (GUID/Token) can be used to create new transactions within the EPX system, but it is important to know how long the value will be available for this use. BRICs received with the response of a financial transaction, such as an authorization, will only be accessible for 13 months from creation. This limitation applies to all financial BRICs by default. Since each financial transaction created with a BRIC receives a new BRIC in the response, a common practice is for merchants to replace the previous BRIC with the new one, as this new token is valid for a new 13-month interval.

For those merchants who need the BRIC availability to exceed this limitation, the BRIC Storage transaction is available and will create BRICs that will be accessible indefinitely.

Field types

Note the following about mandatory and optional fields:

- Mandatory fields are shown in **bold** and need to be submitted with the transaction request to ensure a successful response.
- Optional fields can be omitted; however, optional fields might still be used during the transaction. For example, if optional AVS fields are provided, they are validated and an AVS response is sent back. Also, a merchant's profile can be set up to make some optional fields mandatory to comply with Risk and Underwriting requirements.

Transaction Types

The transaction samples in the following chapter contain the TRAN_TYPE field values of CCx, where the "x" indicates the industry type (Retail, MOTO, Ecommerce). Reference the respective industry-specific Transaction Specs for more details and the Data Dictionary for EPX field definitions.

Transaction Samples

Sale (CCx1)

The sale transaction is an authorization and capture within the same transaction. Because of this, the authorization is immediately captured by the EPX platform so no additional transaction is required to capture the authorization. If the sale is approved, the transaction will close and settle during the next batch close time for funding to take place.

NOTE: For Recurring and Installment transactions, when sent with an ACI_EXT value of "RB" or "IP" the EPX platform will send off for processing as a merchant initiated transaction.

The first or initial transaction that is initiated by the customer should not contain the ACI_EXT field and sent as a regular one time transaction request. Only the subsequent Recurring transactions should be sent with the ACI_EXT.

Recurring with BRIC/GUID

This is a sample of a BRIC (Token) based Recurring Ecommerce Sale that contains ACI_EXT with a value of "RB" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
  <TRAN_TYPE>CCE1</TRAN_TYPE>
  <AMOUNT>77.00</AMOUNT>
  <BATCH_ID>7</BATCH_ID>
  <TRAN_NBR>113</TRAN_NBR>
  <ORIG_AUTH_GUID>09KEFRUDDY6B4A8EDR7</ORIG_AUTH_GUID>
  <ACI_EXT>RB</ACI_EXT>
  <CARD_ENT_METH>Z</CARD_ENT_METH>
  <INDUSTRY_TYPE>E</INDUSTRY_TYPE>
  <FIRST_NAME>Teddy</FIRST_NAME>
  <LAST_NAME>Tester</LAST_NAME>
  <ADDRESS>123 Main St</ADDRESS>
  <CITY>Wilmington</CITY>
  <STATE>DE</STATE>
  <ZIP_CODE>12345</ZIP_CODE>
  <USER_DATA_1>Recurring Subscription ID 113767</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=7&TRAN_NBR=113&ORIG_AUTH_GUID=09KEFRUDDY6B4A8EDR7&ACI_EXT=RB&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=Recurring Subscription ID 113767
```

Recurring with PAN

This is a sample of a Recurring Ecommerce Sale with account information containing the ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "RB" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>7</BATCH_ID>
<TRAN_NBR>113</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<ACI_EXT>RB</ACI_EXT>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>Recurring Subscription ID 113767</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=7&TRAN_NBR=113&ACCOUNT_NBR=4111111111111111&ACI_EXT=RB&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=Recurring Subscription ID 113767
```

Installment with BRIC/GUID

This is a sample of a BRIC (Token) based Installment Ecommerce Sale that contains ACI_EXT with a value of "IP" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>7</BATCH_ID>
<TRAN_NBR>113</TRAN_NBR>
<ORIG_AUTH_GUID>09KEFRUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<ACI_EXT>IP</ACI_EXT>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>Recurring Subscription ID 113767</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=7&TRAN_NBR=113&ORIG_AUTH_GUID=09KEFRUDDY6B4A8EDR7&ACI_EXT=IP&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=Recurring Subscription ID 113767
```

Installment with PAN

This is a sample of an Installment Ecommerce Sale with account information containing the ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "IP" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>7</BATCH_ID>
<TRAN_NBR>113</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<ACI_EXT>IP</ACI_EXT>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
```

```

<ORIG_AUTH_TRAN_IDENTITY>910317175753276</ORIG_AUTH_TRAN_IDENTITY>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>Recurring Subscription ID 113767</USER_DATA_1>
</DETAIL>

```

HTTPS

```

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=7&TRAN_NBR=113&ACCOUNT_NBR=4111111111111111&ACI_EXT=IP&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ORIG_AUTH_TRAN_IDENTITY=910317175753276&ORIG_AUTH_AMOUNT=100.00FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=Recurring Subscription ID 113767

```

Authorization Only (CCx2)

The authorization only transaction is an authorization that will hold funds equal to the AMOUNT of the transaction on a cardholders' account. A subsequent capture transaction is required in order for settlement and funding to take place. However, when no capture is performed, the funds that are held from the authorization will not be made available to the cardholder until the issuing bank releases them which is typically 3-10 days later. The card brands usually allow up to 30 days to capture the authorization, because of this the EPX platform will not allow an authorization BRIC to be captured after the 30 day window. If there is no intention to capture and settle the authorization, a reversal should be performed on the authorization BRIC per card brand rules.

NOTE: For Recurring and Installment transactions, when sent with an ACI_EXT value of "RB" or "IP" the EPX platform will send off for processing as a merchant initiated transaction.

The first or initial transaction that is initiated by the customer should not contain the ACI_EXT field and sent as a regular one time transaction request. Only the subsequent Recurring transactions should be sent with the ACI_EXT.

Recurring with BRIC/GUID

This is a sample of a BRIC- (Token) based Recurring Ecommerce Authorization Only that contains ACI_EXT with a value of "RB" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC-based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>7</BATCH_ID>
<TRAN_NBR>114</TRAN_NBR>
<ORIG_AUTH_GUID>09KEFRUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<ACI_EXT>RB</ACI_EXT>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>Recurring Subscription ID 993762</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=7&TRAN_NBR=114&ORIG_AUTH_GUID=09KEFRUDDY6B4A8EDR7&ACI_EXT=RB&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=Recurring Subscription ID 993762
```

Recurring with PAN

This is a sample of a Recurring Ecommerce Authorization Only with account information containing the ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "RB" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>7</BATCH_ID>
<TRAN_NBR>114</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<ACI_EXT>RB</ACI_EXT>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
```

```
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>Recurring Subscription ID 993762</USER_DATA_>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=7&TRAN_NBR=114&ACCOUNT_NBR=4111111111111111&ACI_EXT=RB&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmingto
n&STATE=DE&ZIP_CODE=12345&USER_DATA_1=Recurring Subscription ID 993762
```

Installment with BRIC/GUID

This is a sample of a BRIC- (Token) based Installment Ecommerce Authorization Only that contains ACI_EXT with a value of "IP" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC-based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>7</BATCH_ID>
<TRAN_NBR>114</TRAN_NBR>
<ORIG_AUTH_GUID>09KEFRUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<ACI_EXT>IP</ACI_EXT>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>Recurring Subscription ID 993762</USER_DATA_>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=7&TRAN_NBR=114&ORIG_AUTH_GUID=09KEFRUDDY6B4A8EDR7&ACI_EXT=IP&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmingto
n&STATE=DE&ZIP_CODE=12345&USER_DATA_1=Recurring Subscription ID 993762
```

Installment with PAN

This is a sample of an Installment Ecommerce Authorization Only with account information containing the ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "IP" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>7</BATCH_ID>
<TRAN_NBR>114</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<ACI_EXT>IP</ACI_EXT>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>Recurring Subscription ID 993762</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=7&TRAN_NBR=114&ACCOUNT_NBR=4111111111111111&ACI_EXT=IP&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=Recurring Subscription ID 993762
```

MIT Merchant Initiated Transaction

Overview

The EPX platform supports MIT (merchant initiated transaction) functionality to comply with the Network requirements. EPX offers the ability for the client application to indicate the MIT type by sending the EPX BRIC (Token) or PAN along with the ACI_EXT tag and values with the CCx1 Sale and CCx2 Authorization Only transaction requests.

BRIC Lifetime

The EPX BRIC (GUID/Token) can be used to create new transactions within the EPX system, but it is important to know how long the value will be available for this use. BRICs received with the response of a financial transaction, such as an authorization, will only be accessible for 13 months from creation. This limitation applies to all financial BRICs by default. Since each financial transaction created with a BRIC receives a new BRIC in the response, a common practice is for merchants to replace the previous BRIC with the new one, as this new token is valid for a new 13-month interval.

For those merchants who need the BRIC availability to exceed this limitation, the BRIC Storage transaction is available and will create BRICs that will be accessible indefinitely.

Field types

Note the following about mandatory and optional fields:

- Mandatory fields are shown in **bold** and need to be submitted with the transaction request to ensure a successful response.
- Optional fields can be omitted; however, optional fields might still be used during the transaction. For example, if optional AVS fields are provided, they are validated and an AVS response is sent back. Also, a merchant's profile can be set up to make some optional fields mandatory to comply with Risk and Underwriting requirements.

Transaction Types

The transaction samples in the following chapter contain the TRAN_TYPE field values of CCx, where the "x" indicates the industry type (Retail, MOTO, Ecommerce). Reference the respective industry-specific Transaction Specs for more details and the Data Dictionary for EPX field definitions.

Transaction Samples

Sale (CCx1)

The sale transaction is an authorization and capture within the same transaction. Because of this, the authorization is immediately captured by the EPX platform so no additional transaction is required to capture the authorization. If the sale is approved, the transaction will close and settle during the next batch close time for funding to take place.

AFD Completion Advice with BRIC/GUID

This is a sample of an AFD Completion Advice COF Ecommerce Sale with an EPX BRIC containing ACI_EXT with a value of "CA" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>CA</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>CA COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&ACI_EXT=CA&INDUSTRY_TYPE=E&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=CA COF PAN
```

AFD Completion Advice with PAN

This is a sample of an AFD Completion Advice COF Ecommerce Sale with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "CA" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>CA</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>CA COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ACCOUNT_NBR=411111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=CA&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=CA COF PAN
```

Delayed Card Sale with BRIC/GUID

This is a sample of a Delayed Card Sale COF Ecommerce Sale with an EPX BRIC containing ACI_EXT with a value of "DS" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>DS</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>DS COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=DS&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=DS COF PAN
```

Delayed Card Sale with PAN

This is a sample of a Delayed Card Sale COF Ecommerce Sale with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "DS" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>DS</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
```

```
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>DS COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=DS&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=DS COF PAN
```

No Show Charge with BRIC/GUID

This is a sample of a No Show Charge COF Ecommerce Sale with an EPX BRIC containing ACI_EXT with a value of "NS" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>NS</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>NS COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=NS&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=NS COF PAN
```

No Show Charge with PAN

This is a sample of a No Show Charge COF Ecommerce Sale with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "NS" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>NS</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>NS COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ACCOUNT_NBR=411111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=NS&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=NS COF PAN
```

Re-authorization Sale with BRIC/GUID

This is a sample of a Re-authorization COF Ecommerce Sale with an EPX BRIC containing ACI_EXT with a value of "RA" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3133</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>RA</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>RA COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3133&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=RA&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=RA COF PAN
```

Re-authorization Sale with PAN

This is a sample of a Re-authorization COF Ecommerce Sale with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "RA" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3133</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>RA</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
```

```
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>RA COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=RA&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=RA COF PAN
```

Resubmission of Card Sale with BRIC/GUID

This is a sample of a Resubmission of Card Sale with an EPX BRIC containing ACI_EXT with a value of "RS" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>RS</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>RS COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=RS&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=RS COF PAN
```

Resubmission of Card Sale with PAN

This is a sample of a Resubmission of Card Sale COF Ecommerce Sale with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "RS" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>RS</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>RS COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ACCOUNT_NBR=411111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=RS&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=RS COF PAN
```

Unscheduled Payment with BRIC/GUID

This is a sample of an Unscheduled Payment Sale with an EPX BRIC containing ACI_EXT with a value of "UP" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ORIG_AUTH_GUID>09LX6PNXFHE54QLL3NK</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>UP</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>UP COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ORIG_AUTH_GUID=09LX6PNXFHE54QLL3NK&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=UP&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=UP COF PAN
COF PAN
```

Unscheduled Payment with PAN

This is a sample of an Unscheduled Payment COF Ecommerce Sale with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "UP" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE1</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>3115</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>UP</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
```

```

<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>UP COF PAN</USER_DATA_1>
</DETAIL>

```

HTTPS

```

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE1&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=3115&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=UP&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilming
ton&STATE=DE&ZIP_CODE=12345&USER_DATA_1=UP COF PAN

```

Authorization Only (CCx2)

The authorization only transaction is an authorization that will hold funds equal to the AMOUNT of the transaction on a cardholders' account. A subsequent capture transaction is required in order for settlement and funding to take place. However, when no capture is performed, the funds that are held from the authorization will not be made available to the cardholder until the issuing bank releases them which is typically 3-10 days later. The card brands usually allow up to 30 days to capture the authorization, because of this the EPX platform will not allow an authorization BRIC to be captured after the 30 day window. If there is no intention to capture and settle the authorization, a reversal should be performed on the authorization BRIC per card brand rules.

AFD Completion Advice with BRIC/GUID

This is a sample of an AFD Completion Advice COF Ecommerce Authorization Only with an EPX BRIC containing ACI_EXT with a value of "CA" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```

<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
  <TRAN_TYPE>CCE2</TRAN_TYPE>
  <AMOUNT>77.00</AMOUNT>
  <BATCH_ID>17</BATCH_ID>
  <TRAN_NBR>200</TRAN_NBR>
  <ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
  <CARD_ENT_METH>Z</CARD_ENT_METH>
  <INDUSTRY_TYPE>E</INDUSTRY_TYPE>
  <ACI_EXT>CA</ACI_EXT>
  <FIRST_NAME>Teddy</FIRST_NAME>
  <LAST_NAME>Tester</LAST_NAME>
  <ADDRESS>123 Main St</ADDRESS>

```

```

<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>CA COF BRIC</USER_DATA_>
</DETAIL>

```

HTTPS

```

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=200&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=CA&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=CA COF PAN

```

AFD Completion Advice with PAN

This is a sample of an AFD Completion Advice COF Ecommerce Authorization Only with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "CA" and CARD_ENT_METH with a value of "6".

XML

```

<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>201</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>CA</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>CA COF PAN</USER_DATA_>
</DETAIL>

```

HTTPS

```

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=201&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=CA&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=CA COF PAN

```

Delayed Card Sale with BRIC/GUID

This is a sample of a Delayed Card Sale COF Ecommerce Authorization Only with an EPX BRIC containing ACI_EXT with a value of "DS" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>202</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>DS</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>DS COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=202&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=DS&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=DS COF PAN
```

Delayed Card Sale with PAN

This is a sample of a Delayed Card Sale COF Ecommerce Authorization Only with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "DS" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>203</TRAN_NBR>
```

```

<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>DS</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>DS COF PAN</USER_DATA_1>
</DETAIL>

```

HTTPS

```

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=203&ACCOUNT_NBR=411111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=DS&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=DS COF PAN

```

No Show Charge with BRIC/GUID

This is a sample of a No Show Charge COF Ecommerce Authorization Only with an EPX BRIC containing ACI_EXT with a value of "NS" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```

<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
  <TRAN_TYPE>CCE2</TRAN_TYPE>
  <AMOUNT>77.00</AMOUNT>
  <BATCH_ID>17</BATCH_ID>
  <TRAN_NBR>204</TRAN_NBR>
  <ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
  <CARD_ENT_METH>Z</CARD_ENT_METH>
  <INDUSTRY_TYPE>E</INDUSTRY_TYPE>
  <ACI_EXT>NS</ACI_EXT>
  <FIRST_NAME>Teddy</FIRST_NAME>
  <LAST_NAME>Tester</LAST_NAME>
  <ADDRESS>123 Main St</ADDRESS>
  <CITY>Wilmington</CITY>
  <STATE>DE</STATE>
  <ZIP_CODE>12345</ZIP_CODE>
  <USER_DATA_1>NS COF BRIC</USER_DATA_1>
</DETAIL>

```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=204&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=NS&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=NS COF PAN
```

No Show Charge with PAN

This is a sample of a No Show Charge COF Ecommerce Authorization Only with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "NS" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>205</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>NS</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>NS COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=205&ACCOUNT_NBR=411111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=NS&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=NS COF PAN
```

Re-authorization with BRIC/GUID

This is a sample of a Re-authorization COF Ecommerce Authorization Only with an EPX BRIC containing ACI_EXT with a value of "RA" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>206</TRAN_NBR>
<ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>RA</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>RA COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=206&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=RA&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=RA COF PAN
```

Re-authorization with PAN

This is a sample of a Re-authorization COF Ecommerce Authorization Only with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "RA" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>207</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>RA</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
```

```

<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>RA COF PAN</USER_DATA_1>
</DETAIL>

```

HTTPS

```

CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=207&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=RA&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=RA COF PAN

```

Resubmission of Card Sale with BRIC/GUID

This is a sample of a Resubmission of Card Authorization Only with an EPX BRIC containing ACI_EXT with a value of "RS" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```

<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
  <TRAN_TYPE>CCE2</TRAN_TYPE>
  <AMOUNT>77.00</AMOUNT>
  <BATCH_ID>17</BATCH_ID>
  <TRAN_NBR>208</TRAN_NBR>
  <ORIG_AUTH_GUID>09KJUDUDDY6B4A8EDR7</ORIG_AUTH_GUID>
  <CARD_ENT_METH>Z</CARD_ENT_METH>
  <INDUSTRY_TYPE>E</INDUSTRY_TYPE>
  <ACI_EXT>RS</ACI_EXT>
  <FIRST_NAME>Teddy</FIRST_NAME>
  <LAST_NAME>Tester</LAST_NAME>
  <ADDRESS>123 Main St</ADDRESS>
  <CITY>Wilmington</CITY>
  <STATE>DE</STATE>
  <ZIP_CODE>12345</ZIP_CODE>
  <USER_DATA_1>RS COF BRIC</USER_DATA_1>
</DETAIL>

```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=208&ORIG_AUTH_GUID=09KJUDUDDY6B4A8EDR7&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=RS&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=RS COF PAN
```

Resubmission of Card Sale with PAN

This is a sample of a Resubmission of Card Sale COF Ecommerce Authorization Only with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "RS" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>209</TRAN_NBR>
<ACCOUNT_NBR>411111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>RS</ACI_EXT>
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>RS COF PAN</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=209&ACCOUNT_NBR=411111111111111&EXP_DATE=4912&CARD_ENT_METH=6&INDUSTRY_TYPE=E&ACI_EXT=RS&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMOUNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=RS COF PAN
```

Unscheduled Payment with BRIC/GUID

This is a sample of an Unscheduled Payment COF Ecommerce Authorization Only with an EPX BRIC containing ACI_EXT with a value of "UP" and CARD_ENT_METH with a value of "Z".

NOTE: EPX sends BRIC based transactions for processing to the Networks as a stored token transaction.

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>210</TRAN_NBR>
<ORIG_AUTH_GUID>09LX6PNXFHE54QLL3NK</ORIG_AUTH_GUID>
<CARD_ENT_METH>Z</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>UP</ACI_EXT>
<FIRST_NAME>Teddy</FIRST_NAME>
<LAST_NAME>Tester</LAST_NAME>
<ADDRESS>123 Main St</ADDRESS>
<CITY>Wilmington</CITY>
<STATE>DE</STATE>
<ZIP_CODE>12345</ZIP_CODE>
<USER_DATA_1>UP COF BRIC</USER_DATA_1>
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.00&BATCH_ID=17&TRAN_NBR=210&ORIG_AUTH_GUID=09LX6PNXFHE54QLL3NK&CARD_ENT_METH=Z&INDUSTRY_TYPE=E&ACI_EXT=UP&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=Wilmington&STATE=DE&ZIP_CODE=12345&USER_DATA_1=UP COF PAN
```

Unscheduled Payment with PAN

This is a sample of an Unscheduled Payment COF Ecommerce Authorization Only with account information containing ORIG_AUTH_TRAN_IDENT with the NTID and ORIG_AUTH_AMOUNT with the originally approved amount from the base transaction along with ACI_EXT with a value of "UP" and CARD_ENT_METH with a value of "6".

XML

```
<DETAIL cust_nbr="1234" merch_nbr="1234567" dba_nbr="1" terminal_nbr="1">
<TRAN_TYPE>CCE2</TRAN_TYPE>
<AMOUNT>77.00</AMOUNT>
<BATCH_ID>17</BATCH_ID>
<TRAN_NBR>211</TRAN_NBR>
<ACCOUNT_NBR>4111111111111111</ACCOUNT_NBR>
<EXP_DATE>4912</EXP_DATE>
<CARD_ENT_METH>6</CARD_ENT_METH>
<INDUSTRY_TYPE>E</INDUSTRY_TYPE>
<ACI_EXT>UP</ACI_EXT>
```

```
<ORIG_AUTH_TRAN_IDENT>910317175753276</ORIG_AUTH_TRAN_IDENT>  
<ORIG_AUTH_AMOUNT>100.00</ORIG_AUTH_AMOUNT>  
<FIRST_NAME>Teddy</FIRST_NAME>  
<LAST_NAME>Tester</LAST_NAME>  
<ADDRESS>123 Main St</ADDRESS>  
<CITY>wilmington</CITY>  
<STATE>DE</STATE>  
<ZIP_CODE>12345</ZIP_CODE>  
<USER_DATA_1>UP COF PAN</USER_DATA_1>  
</DETAIL>
```

HTTPS

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_NBR=1&TERMINAL_NBR=1&TRAN_TYPE=CCE2&AMOUNT=77.  
00&BATCH_ID=17&TRAN_NBR=211&ACCOUNT_NBR=4111111111111111&EXP_DATE=4912&CARD_ENT_ME  
TH=6&INDUSTRY_TYPE=E&ACI_EXT=UP&ORIG_AUTH_TRAN_IDENT=910317175753276&ORIG_AUTH_AMO  
UNT=100.00&FIRST_NAME=Teddy&LAST_NAME=Tester&ADDRESS=123+Main+Street&CITY=wilmington  
&STATE=DE&ZIP_CODE=12345&USER_DATA_1=UP COF PAN
```