



electronic payment exchange

Transaction Specs - Batch Totals

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5/23/16	2.0	C. Meaney	Reformatting

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Batch Totals overview

In the EPX system, merchants use a unique BATCH_ID/TRAN_NBR combination for each transaction. The Batch Totals transaction (transaction type SS02) will provide a response that contains the transaction totals for the BATCH_ID provided during the request. The response tag of PAYLOAD_1 will contain the batch total information encoded in Base64 format. The VERBOSE_RESPONSE field will determine if the payload will contain full detail or just a summary. To receive full detail by card type, Verbose Response must equal Y; for a summary, it should be N. The payload field definitions and examples of both responses are provided in this document.

Payload field definitions

The payload fields are described as follows:

- TYPE (attribute)—The AUTH_CARD_TYPE, as defined in the *Data Dictionary*, of the transaction detail.
- Curr_Code (attribute)—Currency code of the transaction detail.
- DR_TOT—Total amount of transaction debits within the batch.
- DR_CNT—Total count of transaction debits within the batch.
- CR_TOT—Total amount of transaction credits within the batch.
- CR_CNT—Total count of transaction credits within the batch.

Full detail request in KVP

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_
NBR=1&TERMINAL_NBR=1&TRAN_TYPE=SS02&BATCH_ID=9999&TRAN_
NBR=001308&VERBOSE_RESPONSE=Y
```

Full detail response

```
<RESPONSE>
<FIELDS>
<FIELD KEY="CUST_NBR">1234</FIELD>
<FIELD KEY="MERCH_NBR">1234567</FIELD>
<FIELD KEY="DBA_NBR">1</FIELD>
<FIELD KEY="TERMINAL_NBR">1</FIELD>
<FIELD KEY="TRAN_TYPE">SS02</FIELD>
<FIELD KEY="BATCH_ID">9999</FIELD>
<FIELD KEY="TRAN_NBR">001308</FIELD>
<FIELD KEY="LOCAL_DATE">050812</FIELD>
<FIELD KEY="LOCAL_TIME">231552</FIELD>
<FIELD KEY="AUTH_GUID">0N200NNNGKLA00ATM1QW</FIELD>
<FIELD KEY="AUTH_RESP">00</FIELD>
<FIELD KEY="AUTH_RESP_TEXT">APPROVAL</FIELD>
<FIELD KEY="AUTH_TRAN_DATE_GMT">05/09/2012 06:15:52 AM</FIELD>
<FIELD KEY="PAYLOAD_
1">PENBUkQ+PERFVEFJTCBUWVBFPSJSIiBDVVJSX0NPREU9Ijg0MCi+PERSX1R
PVD4zMC4wMDwvRFJfVE9UPjxEU19DT1Q+MzwvRFJfQ05UPjxDU19UT1Q+NS4wM
DwvQ1JfVE9UPjxDU19DT1Q+MTwvQ1JfQ05UPjwvREVUQU1MPjxERVRBSUwgVF1
QRT0ITSIGQ1VSU19DT0RFPSI4NDAiPjxEU19UT1Q+NDUuMDA8L0RSX1RPVD48R
FJfQ05UPjU8L0RSX0NOVD48Q1JfVE9UPjAuMDA8L0NSX1RPVD48Q1JfQ05UPjA
```

```

8L0NSX0NOVD48L0RFVEFJTD48REVUQU1MIFRZUEU9I1YiIENVU1JfQ09ERT0iO
DQwIj48RFJfVE9UPjYuMDA8L0RSX1RPVD48RFJfQ05UPjY8L0RSX0NOVD48Q1J
fVE9UPjEuMDA8L0NSX1RPVD48Q1JfQ05UPjE8L0NSX0NOVD48L0RFVEFJTD48R
EVUQU1MIFRZUEU9I1MiIENVU1JfQ09ERT0iODQwIj48RFJfVE9UPjQuMDA8L0R
SX1RPVD48RFJfQ05UPjQ8L0RSX0NOVD48Q1JfVE9UPjEuMDA8L0NSX1RPVD48Q
1JfQ05UPjE8L0NSX0NOVD48L0RFVEFJTD48REVUQU1MIFRZUEU9IjQiIENVU1J
fQ09ERT0iODQwIj48RFJfVE9UPjIwLjAwPC9EU19UT1Q+PERSX0NOVD4yPC9EU1
9DT1Q+PENSX1RPVD4xMC4wMDwvQ1JfVE9UPjxDU19DT1Q+MTwvQ1JfQ05UPjwvR
EVUQU1MPjwvQ0FSRD4=/FIELD>
</FIELDS>
</RESPONSE>

```

Full detail PAYLOAD_1 after being decoded from Base64

```

<CARD>
<DETAIL TYPE="R" CURR_CODE="840">
<DR_TOT>30.00</DR_TOT>
<DR_CNT>3</DR_CNT>
<CR_TOT>5.00</CR_TOT>
<CR_CNT>1</CR_CNT>
</DETAIL>
<DETAIL TYPE="M" CURR_CODE="840">
<DR_TOT>45.00</DR_TOT>
<DR_CNT>5</DR_CNT>
<CR_TOT>0.00</CR_TOT>
<CR_CNT>0</CR_CNT>
</DETAIL>
<DETAIL TYPE="V" CURR_CODE="840">
<DR_TOT>6.00</DR_TOT>
<DR_CNT>6</DR_CNT>
<CR_TOT>1.00</CR_TOT>
<CR_CNT>1</CR_CNT>
</DETAIL>
<DETAIL TYPE="S" CURR_CODE="840">
<DR_TOT>4.00</DR_TOT>
<DR_CNT>4</DR_CNT>
<CR_TOT>1.00</CR_TOT>
<CR_CNT>1</CR_CNT>
</DETAIL>
<DETAIL TYPE="4" CURR_CODE="840">
<DR_TOT>20.00</DR_TOT>
<DR_CNT>2</DR_CNT>
<CR_TOT>10.00</CR_TOT>
<CR_CNT>1</CR_CNT>
</DETAIL>
</CARD>

```

Summary request in KVP

```
CUST_NBR=1234&MERCH_NBR=1234567&DBA_
NBR=1&TERMINAL_NBR=1&TRAN_TYPE=SS02&BATCH_ID=9999&TRAN_
NBR=001308&VERBOSE_RESPONSE=N
```

Summary response

```
<RESPONSE>
<FIELDS>
<FIELD KEY="CUST_NBR">1234</FIELD>
<FIELD KEY="MERCH_NBR">1234567</FIELD>
<FIELD KEY="DBA_NBR">1</FIELD>
<FIELD KEY="TERMINAL_NBR">1</FIELD>
<FIELD KEY="TRAN_TYPE">SS02</FIELD>
<FIELD KEY="BATCH_ID">9999</FIELD>
<FIELD KEY="TRAN_NBR">001308</FIELD>
<FIELD KEY="LOCAL_DATE">050812</FIELD>
<FIELD KEY="LOCAL_TIME">231552</FIELD>
<FIELD KEY="AUTH_GUID">0N200NNNGKLA00ATM1QW</FIELD>
<FIELD KEY="AUTH_RESP">00</FIELD>
<FIELD KEY="AUTH_RESP_TEXT">APPROVAL</FIELD>
<FIELD KEY="AUTH_TRAN_DATE_GMT">05/09/2012 06:15:52 AM</FIELD>
<FIELD KEY="PAYLOAD_1">PENBUkQ+PERFVEJTD48RFJfVE9UPjEwNS4wMDwvRFJfVE9UPjxEU19DT1Q
+MjA8L0RSX0NOVD48Q1JfVE9UPjE3LjAwPC9DU19UT1Q+PENSX0NOVD40PC9DU
19DT1Q+PC9ERVRBSUw+PC9DQVJEPg==</FIELD>
</FIELDS>
</RESPONSE>
```

Summary PAYLOAD_1 after being decoded from Base64

```
<CARD>
<DETAIL>
<DR_TOT>105.00</DR_TOT>
<DR_CNT>20</DR_CNT>
<CR_TOT>17.00</CR_TOT>
<CR_CNT>4</CR_CNT>
</DETAIL>
</CARD>
```