

## SETTLEMENT SUMMARY

This command runs the Settlement Summary report.

Note

Settlement Summary is not valid for host processors.

**Device UI Required:** No

**Request Packet**

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	REPORT	Type of function
COMMAND	Required	Static value	N/A	N/A	SETTLESUMMARY	Command name
MAX_NUM_RECORDS_RETURNED	Required	Numeric	1	4	8000	Maximum number of records returned.
RESPONSEFIELDS	Required	List			BATCH_SEQ_NUM , ERR_TRANS_IN_BATCH, SETTLE_DATE, SETTLE_CODE, CRDT_SALE_AMT, CRDT_SALE_CNT, CRDT_CRDT_AMT , CRDT_CRDT_CNT , CRDT_VOID_AMT, CRDT_VOID_CNT.	Choose from list, minimum one field.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
COL_3, COL_4, COL_5, COL_6, COL_7, COL_8, COL_9, COL_10	Optional	Character	1	255		<p>These fields represent Column 3 to Column 10. These fields are expected for the Merchants internal POS System, which will record any additional data and link those to the PWC CLIENT_ID and CTROUTD. When a value for COL_n is passed in, that same value will be returned in the response. These COL_n values are not indexed, or searchable in any command report. These fields are not sent to any payment processor.</p> <p><b>Example:</b> Merchant defined data</p>
COUNTER	Required	Numeric	1	10		<p>COUNTER is used for a given MAC label. Each COUNTER should be higher than the last one. This is used to authenticate the POS. <b>Example:</b> 100</p>

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
MAC	Required	Base64 Encoded Data	N/A	N/A		Message Authentication Code. This is used to authenticate the POS.
MAC_LABEL	Required	Character	1	50		Associated label that tells the device which MAC_KEY to use to decrypt the value of MAC. This is used to authenticate the POS. <b>Example:</b> REG1

SEARCHFIELDS Child Elements

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
START_SETTLE_DATE	Required	Date				Settlement start amount. <b>Example:</b> 2016.03.23
END_SETTLE_DATE	Required	Date				Settlement end amount. <b>Example:</b> 2016.03.24

**Example**

Following is an example of request packet

```
<TRANSACTION>
<COUNTER>1</COUNTER>
<MAC> ... </MAC>
<MAC_LABEL>REG2</MAC_LABEL>
<FUNCTION_TYPE>REPORT</FUNCTION_TYPE>
<COMMAND>SETTLESUMMARY</COMMAND>
<MAX_NUM_RECORDS_RETURNED>800</MAX_NUM_RECORDS_RETURNED>
```

```

<RESPONSEFIELDS>
<SETTLE_DATE/>
<SETTLE_CODE/>
<CRDT_SALE_AMT/>
<CRDT_SALE_CNT/>
<CRDT_CRDT_AMT/>
<CRDT_CRDT_CNT/>
<CRDT_VOID_AMT/>
<CRDT_VOID_CNT/>
<BATCH_SEQ_NUM/>
<ERR_TRANS_IN_BATCH/>
</RESPONSEFIELDS>
<SEARCHFIELDS>
<START_SETTLE_DATE>2016.01.01</START_SETTLE_DATE>
<END_SETTLE_DATE>2016.05.31</END_SETTLE_DATE>
</SEARCHFIELDS>
</TRANSACTION>

```

**Response Packet**

Field	Type	Value	Description
CLIENT_ID	Numeric		CLIENT_ID is the combination an ACCOUNT number, a SITE number, and a TERMINAL number in that order. <b>Example:</b> 100010001
RETURN_FLD_HDRS	Numeric		Returns field headers. <b>Example:</b> 0
FORMAT	Conditional	xml	Format of the command.
SERIAL_NUM	Character		Serial number. <b>Example:</b> 123456789
COMMAND	Static Value	SETTLESUMMARY	Command name.
MAX_NUM_RECORDS_RETURNED	Numeric		Maximum number of records returned. <b>Example:</b> 800
DEVICEKEY	Character		Device key.
DELIMITER	Static Value	,	Delimiter to enter multiple entry in a field.
FUNCTION_TYPE	Static Value	REPORT	Function type.
DEVTYPE	Character		Device type.

Field	Type	Value	Description
NUM_RECORDS_FOUND	Numeric		Number of records found. <b>Example:</b> 2
START_SETTLE_DATE	Date		Settlement start amount. <b>Example:</b> 2016.03.23
END_SETTLE_DATE	Date		Settlement end amount. <b>Example:</b> 2016.03.24
BATCH_SEQ_NUM, ERR_TRANS_IN_BATCH, SETTLE_DATE, SETTLE_CODE, CRDT_SALE_AMT, CRDT_SALE_CNT, CRDT_CRDT_AMT, CRDT_CRDT_CNT, CRDT_VOID_AMT, CRDT_VOID_CNT			These fields will return for each record if they are specified in the RESPONSEFIELDS parameter of the request.
COL_3, COL_4, COL_5, COL_6, COL_7, COL_8, COL_9, COL_10	Character		Column 3 to Column 10 fields value will be echoed in POS response. These fields are not sent to any payment processor.

**Example**

Following is an example of response packet

```

<RESPONSE>
<RETURN_FLD_HDRS>0</RETURN_FLD_HDRS>
<ACCOUNT>1</ACCOUNT>
<SITE>0001</SITE>
<TERM>0001</TERM>
<FORMAT>xml</FORMAT>
<SERIAL_NUM>1234565789</SERIAL_NUM>
<DEVICEKEY>*****</DEVICEKEY>
<COMMAND>SETTLESUMMARY</COMMAND>
<MAX_NUM_RECORDS_RETURNED>800</MAX_NUM_RECORDS_RETURNED>
<DELIMITER>|</DELIMITER>
<FUNCTION_TYPE>REPORT</FUNCTION_TYPE>
<DEVTYPE>VX805P</DEVTYPE>
<NUM_RECORDS_FOUND>0</NUM_RECORDS_FOUND>
<SEARCHFIELDS>
<START_SETTLE_DATE>2016.01.01</START_SETTLE_DATE>
<END_SETTLE_DATE>2016.05.31</END_SETTLE_DATE>
</SEARCHFIELDS>
<RECORDS>
<RECORD>
<BATCH_SEQ_NUM>2</BATCH_SEQ_NUM>

```

```
<ACCOUNT>93092</ACCOUNT>
<SITE>0001</SITE>
<TERM>0001</TERM>
<ERR_TRANS_IN_BATCH>0</ERR_TRANS_IN_BATCH>
<SETTLE_DATE>2016.04.17</SETTLE_DATE>
<SETTLE_CODE>02 LOCAL_SETTLE</SETTLE_CODE>
<CRDT_SALE_AMT>40.00</CRDT_SALE_AMT>
<CRDT_SALE_CNT>2</CRDT_SALE_CNT>
<CRDT_CRDT_AMT>0.00</CRDT_CRDT_AMT>
<CRDT_CRDT_CNT>0</CRDT_CRDT_CNT>
<CRDT_VOID_AMT>0.00</CRDT_VOID_AMT>
<CRDT_VOID_CNT>1</CRDT_VOID_CNT>
</RECORD>
</RECORDS>
</RESPONSE>
```