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		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. **Example:** Merchant defined data
POS_RECON	Optional	Character	1	30		POS reconciliation. POS Reconciliation field to be echoed back in response to POS. **Example:** RetailPOS1

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
COUNTER	Required	Numeric	1	10		COUNTER is used for a given MAC label. Each COUNTER should be higher than the last one. This is sed to authenticate the POS. **Example:** 100
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. **Example:** REG1

SEARCHFIELDS Child Elements

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
START_SETTLE_DATE	Required	Date				Settlement start amount. **Example:** 2016.03.23
END_SETTLE_DATE	Required	Date				Settlement end amount. **Example:** 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. **Example:** 100010001
RETURN_FLD_HDRS	Numeric		Returns field headers. **Example:** 0
FORMAT	Conditional	xml	Format of the command.
SERIAL_NUM	Character		Serial number. **Example:** 123456789
COMMAND	Static Value	SETTLESUMMARY	Command name.
MAX_NUM_RECORDS_RETURNED	Numeric		Maximum number of records returned. **Example:** 800
DEVICEKEY	Character		Device key.

Field	Type	Value	Description
DELIMITER	Static Value	,	Delimiter to enter multiple entry in a field.
FUNCTION_TYPE	Static Value	REPORT	Function type.
DEVTYPE	Character		Device type.
NUM_RECORDS_FOUND	Numeric		Number of records found. **Example:** 2
START_SETTLE_DATE	Date		Settlement start amount. **Example:** 2016.03.23
END_SETTLE_DATE	Date		Settlement end amount. **Example:** 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.
POS_RECON	Character		POS reconciliation field echoed back if sent in request. **Example:** RetailPOS1

Transaction Performance Metric

> Note
>
> These fields are returned, if SCAPERFMETRIC parameter (Application Parameters) is enabled.

Field	Type	Value	Description

UI_TIME	Time		This indicates the time duration, for which the device screen is displayed (like error message, prompt screen, remove card screen) till any user action is performed in the command execution flow. This field is not applicable to capture the time for the Processing, Authorizing and transaction status screen. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. **Example:** `<UI_TIME>44.028</UI_TIME>`
HOST_TIME	Time		This indicates the time taken for the Connection to the host, sending request and receives data from the host. This field also take the cumulative time for multiple requests which may sent to the host during the transaction including two legged transactions, timeout requests, Auto Last Tran requests, DCC, Credit app proxy. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. **Example:** `<HOST_TIME>1.389</HOST_TIME>`

CMD_TIME	Time		This field indicates the total amount of time for a command, which is executed by the application from request received to the response sent. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. **Example:** `<CMD_TIME>70.765</CMD_TIME>`

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>
```