

## SETTLE ERROR

The Settle Error report returns information on all the transactions that have not settled. This report may be called after the settlement has been scheduled and run. This report will contain all exception transactions and can be very useful in conjunction with a Transaction Search report.

..note::

The Settle Error Report is not available when using a host-based processor.

**Device UI Required:** No

### Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TY	Required	Static value	N/A	N/A	REPORT	Type of function
COMMAND	Required	Static value	N/A	N/A	SETTLEERROR	Command name
MAX_NUM_RECO RDS_RETURNED	Required	Numeric	1	4	8000	Maximum number of records returned.
SEARCHFIELDS	Required	List			See SEARCHFIELDS section for child elements below.	List of fields required to send for search.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
RESPONSEFIELDS	Required	List			INTRN_SEQ_NUM, PROCESSOR_ID, BATCH_SEQ_NUM , TRANS_SEQ_NUM , INVOICE, COMMAND, ACCT_NUM, EXP_MONTH, EXP_YEAR, CARDHOLDER, TRANS_AMOUNT, REFERENCE, TRANS_DATE, TRANS_TIME, ORIG_SEQ_NUM, STATUS_CODE, TROUTD, PAYMENT_TYPE, PAYMENT_MEDIA, RESULT_CODE, AUTH_CODE, TRACE_CODE, AVS_CODE, CVV2_CODE, CTROUTD, RESPONSE_REFERENCE, R_AUTH_CODE	Choose from list, minimum one field. <b>NOTE:</b> STATUS_CODE is the status code of the transaction/API call. STATUS_CODE values are the same as the most common RESULT_CODE values.

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. <b>Example:</b> Merchant defined data
POS_RECON	Optional	Character	1	30		POS reconciliation. POS Reconciliation field to be echoed back in response to POS. <b>Example:</b> 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 used to authenticate the POS. <b>Example:</b> 2
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_TRANS_DATE	Conditional	Date				Transaction start date. This is a recommended field. <b>Example:</b> 2016.03.23
START_TRANS_TIME	Conditional	Time				Transaction start time. <b>Example:</b> 15:30:00

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
END_TRANS_DATE	Optional	Date				Defaults to START_TRANS_DATE. <b>Example:</b> 2016.03.24
END_TRANS_TIME	Optional	Time				Defaults to START_TRANS_TIME. <b>Example:</b> 15:30:01
PAYMENT_TYPE	Conditional	List	N/A	N/A		Payment type used in the transaction. <b>Example:</b> CREDIT
REQUEST_COMMAND	Conditional	List	N/A	N/A		The command requested for transaction. <b>Example:</b> SALE

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
ACCT_NUM	Conditional	Numeric	1	16		The card number used in the transaction. The card number passed MUST be in a masked format, only the first six and the last four digits of the number can be passed - this is how Point platform pulls the cards on the reports. <b>NOTE:</b> The length of the ACCT_NUM must equal 16 bytes. For card numbers fewer than 16 digits, add extra "*" between the first 6 and the last 4 digits. <b>Example:</b> 400555*****0019
INVOICE	Conditional	Character	1	6		Merchant invoice number. <b>Example:</b> ASD156
BATCH_SEQ_NUM	Conditional	Numeric	1			Sequence number of the batch. <b>Example:</b> 23
START_TRANS_AMOUNT	Conditional	Floating point number	1(2)	6(2)		Transaction start amount. <b>Example:</b> 0.00
END_TRANS_AMOUNT	Conditional	Floating point number	1(2)	6(2)		Transaction end amount. <b>Example:</b> 50.00

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
START_TROUTD	Conditional	Numeric	1	10		Transaction routing ID starts with. <b>Example:</b> 50
END_TROUTD	Optional	Numeric	1	10		Defaults to START_TROUTD. <b>Example:</b> 100

#### 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>SETTLEERROR</COMMAND>
<MAX_NUM_RECORDS_RETURNED>200</MAX_NUM_RECORDS_RETURNED>
<RESPONSEFIELDS>
<INTRN_SEQ_NUM/>
<PROCESSOR_ID/>
<BATCH_SEQ_NUM/>
<TRANS_SEQ_NUM/>
<INVOICE/>
<COMMAND/>
<ACCT_NUM/>
<EXP_MONTH/>
<CARDHOLDER/>
<EXP_YEAR/>
<TRANS_AMOUNT/>
<REFERENCE/>
<TRANS_DATE/>
<TRANS_TIME/>
<ORIG_SEQ_NUM/>
<STATUS_CODE/>
<TROUTD/>
<PAYMENT_TYPE/>
<PAYMENT_MEDIA/>
<RESULT_CODE/>
<AUTH_CODE/>
<TRACE_CODE/>
</RESPONSEFIELDS>
<SEARCHFIELDS>
</SEARCHFIELDS>
</TRANSACTION>

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#### Response Packet

Field	Type	Value	Description
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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
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
NUM_RECORDS_FOUND	Numeric		Number of records found. <b>Example:</b> 1
START_TRANS_DATE, END_TRANS_DATE, START_TRANS_TIME, END_TRANS_TIME, PAYMENT_TYPE, REQUEST_COMMAND, ACCT_NUM, INVOICE, BATCH_SEQ_NUM, START_TRANS_AMOUNT, END_TRANS_AMOUNT, START_TROUTD, END_TROUTD			These fields and their values from the SEARCHFIELDS parameter of the request will be included in the response so the integrator will know the criteria upon which the report is based.



INTRN_SEQ_NUM, PROCESSOR_ID, BATCH_SEQ_NUM, TRANS_SEQ_NUM, INVOICE, COMMAND, ACCT_NUM, EXP_MONTH, EXP_YEAR, CARDHOLDER, TRANS_AMOUNT, REFERENCE, TRANS_DATE, TRANS_TIME, ORIG_SEQ_NUM, STATUS_CODE, TROUTD, CTROUTD, PAYMENT_TYPE, PAYMENT_MEDIA, RESULT_CODE, AUTH_CODE, AVS_CODE, CVV2_CODE, TRACE_CODE, RESPONSE_REFERENCE, R_AUTH_CODE			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. <b>Example:</b> RetailPOS1

#### Transaction Performance Metric

##### Note

These fields are returned, if SCAPERFMETRIC parameter ([Application Parameters](#)) is enabled.

Field	Type	Value	Description
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UI_TIME	Time		<p>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. <b>Example:</b> <code>&lt;UI_TIME&gt;44.028&lt;/UI_TIME&gt;</code></p>
HOST_TIME	Time		<p>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. <b>Example:</b> <code>&lt;HOST_TIME&gt;1.389&lt;/HOST_TIME&gt;</code></p>

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. <b>Example:</b> <CMD_TIME>70.765</CMD_TIME>
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#### Example

Following is an example of response packet

```
<RESPONSE>
<RETURN_FLD_HDRS>1</RETURN_FLD_HDRS>
<ACCOUNT>1</ACCOUNT>
<SITE>0001</SITE>
<TERM>0001</TERM>
<FORMAT>xml</FORMAT>
<SERIAL_NUM>1234565789</SERIAL_NUM>
<DEVICEKEY>*****</DEVICEKEY>
<COMMAND>SETTLEERROR</COMMAND>
<SEARCHFIELDS />
<MAX_NUM_RECORDS_RETURNED>200</MAX_NUM_RECORDS_RETURNED>
<FUNCTION_TYPE>REPORT</FUNCTION_TYPE>
<DEVTYPE>VX805P</DEVTYPE>
<DELIMITER />
<NUM_RECORDS_FOUND>1</NUM_RECORDS_FOUND>
<SEARCHFIELDS />
<RECORDS>
<RECORD>
<INTRN_SEQ_NUM>122822</INTRN_SEQ_NUM>
<PROCESSOR_ID>VISA</PROCESSOR_ID>
<BATCH_SEQ_NUM>-10003</BATCH_SEQ_NUM>
<TRANS_SEQ_NUM>23</TRANS_SEQ_NUM>
<INVOICE xml:space="preserve"> </INVOICE>
<COMMAND>SALE</COMMAND>
<ACCT_NUM>373235*****1018</ACCT_NUM>
<EXP_MONTH>*</EXP_MONTH>
<CARDHOLDER xml:space="preserve"> </CARDHOLDER>
<EXP_YEAR>*</EXP_YEAR>
<TRANS_AMOUNT>2.0000</TRANS_AMOUNT>
<REFERENCE>805917502935</REFERENCE>
<TRANS_DATE>2008.02.28</TRANS_DATE>
<TRANS_TIME>12:42:44</TRANS_TIME>
<ORIG_SEQ_NUM>0</ORIG_SEQ_NUM>
<STATUS_CODE>4</STATUS_CODE>
<TROUTD>122822</TROUTD>
<PAYMENT_TYPE>CREDIT</PAYMENT_TYPE>
<PAYMENT_MEDIA>AMEX</PAYMENT_MEDIA>
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```
<RESULT_CODE>4</RESULT_CODE>
<AUTH_CODE>AXS464</AUTH_CODE>
<TRACE_CODE xml:space="preserve"> </TRACE_CODE>
</RECORD>
</RECORDS>
```