



https://verifone.cloud/docs/sca-functional-specification/protocol_spec/reports/duplicate_check

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DUPLICATE CHECK

DUPCHECK command returns all the records of suspected duplicate transactions from Payware Connect gateway. The response of DUPCHECK is not device specific. It returns all the records across all the devices under the particular PWC client ID.

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	DUPCHECK	Command name
DUPCHECK_DATE	Required	Date				Date format be MM/DD/YYYY. Example: 02/01/2016
DUPCHECK_FROMTIME	Required	Time				Duplicate check starting time. Example: 15:20:00
DUPCHECK_TOTIME	Required	Time				Duplicate check ending time. Example: 16:20:00

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
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. 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

Example

Following is an example of request packet

```

<TRANSACTION>
  <FUNCTION_TYPE>REPORT</FUNCTION_TYPE>
  <COMMAND>DUPCHECK</COMMAND>
  <DUPCHECK_DATE>02/01/2016</DUPCHECK_DATE>
  <DUPCHECK_FROMTIME>15:20:00</DUPCHECK_FROMTIME>
  <DUPCHECK_TOTIME>16:20:00</DUPCHECK_TOTIME>
  <COUNTER>100</COUNTER>
  <MAC> ... </MAC>
  <MAC_LABEL>REG2</MAC_LABEL>
</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
DUPCHECK_DATE	Date		Duplicate check date. Example: 02/01/2016
DUPCHECK_FROMTIME	Time		Duplicate check starting time. Example: 15:20:00
DUPCHECK_TOTIME	Time		Duplicate check ending time. Example: 16:20:00
RECORDS			Records of each possible duplicate transaction. See RECORD below for elements.
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

RECORD Child Elements

Field	Type	Value	Description
Trans_Date	Date		Transaction date. Example: 2016.02.01
Trans_Time	Time		Transaction time. Example: 15:31:22
Client_ID	Numeric		ACCOUNT/SITE/TERM. Example: 100010001
INTRN_SEQ_NUM	Numeric		Internal sequence number. Example: 123456789
Acct_Num	Numeric		Returns the masked account number. Example: 400555*****0019
Trans_Amount	Floating point number		Transaction amount returned by gateway (no decimal point) 100 = 1.00. Example: 100
Status_Code	Numeric		Transaction status code. Example: 4
Payment_Type	Character		Payment type. Example: CREDIT
Command	Character		Command name. Example: SALE
Invoice	Character		Merchant invoice number. Example: 3
BusName	Character		Business name. Example: Jon's Rentals

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>
<ACCOUNT>1</ACCOUNT>
<SITE>0001</SITE>
<TERM>0001</TERM>
<DUPCHECK_DATE>02/01/2016</DUPCHECK_DATE>
<DUPCHECK_FROMTIME>00:00:00</DUPCHECK_FROMTIME>
<DUPCHECK_TOTIME>23:59:59</DUPCHECK_TOTIME>
<RECORDS>
  <RECORD>
    <Trans_Date>2016.02.01</Trans_Date>
    <Trans_Time>07:21:30</Trans_Time>
    <ACCOUNT>1</ACCOUNT>
    <SITE>0001</SITE>
    <TERM>0001</TERM>
    <Acct_Num>400555*****0019</Acct_Num>
```

```
<Trans_Amount>2100</Trans_Amount>
<Status_Code>2</Status_Code> not in UGP
<Payment_Type>CREDIT</Payment_Type>
<Command>SALE</Command>
<BusName>ABCTestInc</BusName>
</RECORD>
<RECORD>
  <Trans_Date>2016.02.01</Trans_Date>
  <Trans_Time>07:21:37</Trans_Time>
  <ACCOUNT>1</ACCOUNT>
  <SITE>0001</SITE>
  <TERM>0001</TERM>
  <Acct_Num>400555*****0019</Acct_Num>
  <Trans_Amount>2100</Trans_Amount>
  <Status_Code>2</Status_Code>
  <Payment_Type>CREDIT</Payment_Type>
  <Command>SALE</Command>
  <BusName>ABCTestInc</BusName>
</RECORD>
<RECORD>
  <Trans_Date>2016.02.01</Trans_Date>
  <Trans_Time>07:36:20</Trans_Time>
  <ACCOUNT>1</ACCOUNT>
  <SITE>0001</SITE>
  <TERM>0001</TERM>
  <Acct_Num>400555*****0019</Acct_Num>
  <Trans_Amount>2100</Trans_Amount>
  <Status_Code>2</Status_Code>
  <Payment_Type>CREDIT</Payment_Type>
  <Command>SALE</Command>
  <BusName>ABCTestInc</BusName>
</RECORD>
</RECORDS>
</RESPONSE>
```