



https://verifone.cloud/docs/sca-functional-specification/protocol_spec/administration/get_counter

Updated: 23-Jul-2025

GET COUNTER

This command retrieves the last counter used for a given MAC label.

Note

The COUNTER resets to 0 with each REGISTER command.

Device UI Required: No

Request Packet

Field	Rule	Type	Min	Max	Value	Comments
FUNCTION_TYPE	Required	Static Value	NA	NA	ADMIN	Type of function
COMMAND	Required	Static Value	NA	NA	GET_COUNTER	Command name
POS_RECON	Optional	Character	1	30	Ex: RetailPOS1	POS reconciliation. NOTE: POS Reconciliation field to be echoed back in response to POS.
MAC_LABEL	Required	Character	1	50	Ex: REG1	Retrieve last counter used for this MAC label. NOTE: Do NOT send COUNTER with the GET_COUNTER request.

Example

Following is an example of request packet

```
<TRANSACTION>  
  <FUNCTION_TYPE>ADMIN</FUNCTION_TYPE>
```

```

<COMMAND>GET_COUNTER</COMMAND>
<MAC_LABEL>REG1</MAC_LABEL>
</TRANSACTION>

```

Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. Example: Operation Successful
RESULT	Character	OK	This indicates the Result details.
RESULT_CODE	Numeric	Expected result code: -1, 59002, 59005, 59045	This indicates the result code. Refer to Result/Error Codes for details.
TERMINATION_STATUS	Character	SUCCESS or FAILURE	This indicates the transaction termination status. This is the overall status of the transaction irrespective of approved or declined. Like, if the output is generated then the status is SUCCESS and if no output is generated then the status will be FAILURE.
POS_RECON	Character		POS reconciliation field echoed back if sent in request. Example: RetailPOS1
COUNTER	Numeric		Returns the Last counter used for the given MAC label. Example: 10

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>

Field	Type	Value	Description
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

```

<RESPONSE>
  <RESPONSE_TEXT>Operation Successful</RESPONSE_TEXT>
  <RESULT>OK</RESULT>
  <RESULT_CODE>-1</RESULT_CODE>
  <TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
  <COUNTER>1</COUNTER>
</RESPONSE>

```