TEST BARCODE

This command is designed to test the ability of the device to scan a barcode. BCTEST initializes and sets the scanner for level trigger mode. Once the command is executed the user may press the scan button to scan a barcode.

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	BARCODE	Type of function
COMMAND	Required	Static value	N/A	N/A	BCTEST	Command name
BCSCAN_ENCODE	Optional	List	N/A	N/A	• 0 – Encode both symbology and barcode data (default) • 1 – Encode only barcode data (removes symbology data) • 2 – Do not encode barcode data (removes symbology data)	Encodes barcode scan.
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:** 4
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:** P_JTY065

Example

Following is an example of request packet

```
<TRANSACTION>
<FUNCTION_TYPE>BARCODE</FUNCTION_TYPE>
<COMMAND>BCTEST</COMMAND>
<MAC>…MAC>
<COUNTER>4</COUNTER>
<MAC_LABEL>P_JTY065</MAC_LABEL>
</TRANSACTION>
```

Response Packet

Field	Type	Value	Description

RESPONSE_TEXT	Character		Processor response text. **Example:** Command response 0
RESULT	Character		This indicates the Result details. **Example:** SUCCESS
RESULT_CODE	Numeric	Expected result code: -1, 59001, 59006, 59040	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.
BARCODE_DATA	Character		Barcode data. **Example:** AAgEATA0MTQxNTMxNzYzNQ==
BARCODE_CODEID	Character		Returns unencoded. **Example:** 02
BARCODE_AIMID	Character		Returns unencoded. **Example:** 01
BARCODE_SYMBOLOGY	Character		Returns encoded. Returns only if BCSCAN_ENCODE = 0. **Example:** 0001
POS_RECON	Character		POS reconciliation field echoed back if sent in request. **Example:** RetailPOS1
COUNTER	Numeric		Echoes counter sent in the request. **Example:** 4

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>`

Field	Type	Value	Description
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>
<RESPONSE_TEXT>Command response 0</RESPONSE_TEXT>
<RESULT>SUCCESS</RESULT>
<RESULT_CODE>-1</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<BARCODE_DATA>AAgEATA0MTQxNTMxNzYzNQ==</BARCODE_DATA>
<BARCODE_CODEID>02</BARCODE_CODEID>
<BARCODE_AIMID>01</BARCODE_AIMID>
<BARCODE_SYMBOLOGY>0001</BARCODE_SYMBOLOGY>
</RESPONSE>
```