CHECK_BOX

This command is used to direct the device to display text along with up to six (6) labeled check boxes for the collection of consumer responses.

Device UI Required: Yes

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	DEVICE	Type of function.
COMMAND	Required	Static value	N/A	N/A	CHECKBOX	Command name
DISPLAY_TEXT	Optional	Character	1	200		The length of text to be allowed to display. In this field, the text will be displayed in maximum of three lines on the terminal. After 67 characters, it will take the next line. Hence, it is recommended not to add new line on the POS request. **Example:** *What factors are important to you when buying a Verifone product?*
CHECKBOX_LABEL1	Optional	Character	1	44		Label for Check Box 1. Minimum one of check boxes should be labelled. **Example:** Price
CHECKBOX_LABEL2	Optional	Character	1	44		Label for Check Box 2. Minimum one of check boxes should be labelled. **Example:** Usability

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CHECKBOX_LABEL3	Optional	Character	1	44		Label for Check Box 3. Minimum one of check boxes should be labelled. **Example:** Feature
CHECKBOX_LABEL4	Optional	Character	1	44		Label for Check Box 4. Minimum one of check boxes should be labelled. **Example:** Support
CHECKBOX_LABEL5	Optional	Character	1	44		Label for Check Box 5. Minimum one of check boxes should be labelled. **Example:** Software update
CHECKBOX_LABEL6	Optional	Character	1	44		Label for Check Box 6. Minimum one of check boxes should be labelled. **Example:** Services
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	Optional	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	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>DEVICE</FUNCTION_TYPE>
<COMMAND>CHECKBOX</COMMAND>
<DISPLAY_TEXT>What factors are important to you when buying a Verifone product?</DISPLAY_TEXT>
<CHECKBOX_LABEL1>Price</CHECKBOX_LABEL1>
<CHECKBOX_LABEL2>Usability</CHECKBOX_LABEL2>
<CHECKBOX_LABEL3>Features</CHECKBOX_LABEL3>
<CHECKBOX_LABEL4>Support</CHECKBOX_LABEL4>
<CHECKBOX_LABEL5>Software update</CHECKBOX_LABEL5>
<CHECKBOX_LABEL6>Services</CHECKBOX_LABEL6>
<POS_RECON>GET ECHO</POS_RECON>
</TRANSACTION>
```
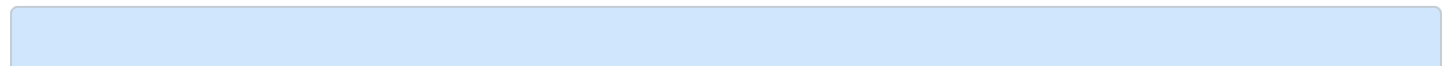
Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. **Example:** Checkbox Option(s) Captured
RESULT	Character		This indicates the Result details. **Example:** OK
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.
CHECKBOX_N	Character	Y	For each CHECKBOX N selected, a CHECKBOX_n field will be returned indicating 'Y' for positive selection. For example, if checkboxes 2 and 5 are selected: CHECKBOX_2 = Y, CHECKBOX_5 = Y, POS_RECON (Example: 1234 POS reconciliation field)
POS_RECON	Character		POS reconciliation field echoed back if sent in request. **Example:** RetailPOS1
COUNTER	Numeric		Echoes counter sent in the request. **Example:** 100

Transaction Performance Metric

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>Checkbox Option(s) Captured</RESPONSE_TEXT>
<RESULT>OK</RESULT>
<RESULT_CODE>-1</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<CHECKBOX_1>Y</CHECKBOX_1>
<CHECKBOX_2>Y</CHECKBOX_2>
<CHECKBOX_3>Y</CHECKBOX_3>
<CHECKBOX_4>Y</CHECKBOX_4>
<CHECKBOX_5>Y</CHECKBOX_5>
<CHECKBOX_6>Y</CHECKBOX_6>
<POS_RECON>GET ECHO</POS_RECON>
<COUNTER>1</COUNTER>
</RESPONSE>
```