STATUS

This command queries the status of a device.

Prerequisites: The terminal should be fully initialized on Idle screen.

Device UI Required: No

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	SECONDARYPORT	Type of function.
COMMAND	Required	Static value	N/A	N/A	STATUS	Command name
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

Following is an example of request packet

```
<TRANSACTION>
<FUNCTION_TYPE>SECONDARYPORT</FUNCTION_TYPE>
<COMMAND>STATUS</COMMAND>
</TRANSACTION>
```

Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. **Example:** SUCCESS or MSG_SECONDARYPORT_STATUS_SUCCESS
RESULT	Character		This indicates the Result details. **Example:** OK
RESULT_CODE	Numeric	Expected result code: -1, 59001, 59006	This indicates the result code.
TERMINATION_STATUS	Character	SUCCESS and 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.
SECONDARY_DATA	Numeric	Refer to Secondary Data Values for all the secondary data value.	This indicates the status of the secondary data upon sending queries on the device.
DETAILED_STATUS	Numeric	Refer to Detailed Status Values for all the status codes and description.	Returns the status code.
MACLABEL_IN_SESSION	Character		MACLABEL is in session. This is applicable when session is in progress. **Example:** P_GBO
SESSION_DURATION	Character		This indicates the duration of the session. This is applicable when session is in progress. **Example:** HH:MM:SS
INVOICE_SESSION	Character		Invoice number supplied by the POS Start Session for the session that is in progress. Only applicable when session is in progress. **Example:** 98985

Field	Type	Value	Description
DEVICENAME	Character		This indicates the serial number of the terminal. **Example:** POINTSCA
SERIALNUMBER	Character		This indicates the serial number of the terminal. **Example:** 987-654-321
BATTERY_LEVEL	Numeric		This field indicates the current battery level of the terminal (for example: e280, e285, v400m) This is applicable to all battery devices. For non-battery devices, this field will not be returned in the STATUS response. The value will be an integer between 0 and 100 (in percentage). **Example:** 64
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

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>
<RESPONSE_TEXT>SUCCESS</RESPONSE_TEXT>
<RESULT>OK</RESULT>
<RESULT_CODE>-1</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<BATTERY_LEVEL>64</BATTERY_LEVEL>
<SECONDARY_DATA>11</SECONDARY_DATA>
<DETAILED_STATUS>40</DETAILED_STATUS>
<MACLABEL_IN_SESSION>REG1</MACLABEL_IN_SESSION>
<SESSION_DURATION>00:10:05</SESSION_DURATION>
<DEVICENAME>LANE1</DEVICENAME>
<SERIALNUMBER>987-654-321</SERIALNUMBER>
<INVOICE_SESSION>12345</INVOICE_SESSION>
</RESPONSE>
```

Secondary Data Values

Following table describes the valid values, received by POS in **SECONDARY_DATA** field of **STATUS** command response.

Valid Values	Definition	Description	Device Screen Status	Associated Commands
0	CANCELLED	This value returned when Secondary port CANCEL is processed.	Transaction status screen indicating POS Cancelled.	This Status would be returned for any payment and device command when secondary port cancel command is being exercised.
10	NO SESSION IDLE	Device is on Idle screen and there is no open session.	Idle screen	
11	IN SESSION IDLE	When Session is started , and there is no active transaction yet. This value is returned when Line items are disabled for the device.	Welcome screen	

Valid Values	Definition	Description	Device Screen Status	Associated Commands
12	IN SESSION LINE ITEM	When Session is started , and there is no active transaction yet. This value is returned when Line items are enabled for the device.	Line-item screen	
13	IN SESSION PAYMENT	Within the session when payment transaction is being processed.	Card entry, Pin entry, Tip entry, Amount confirmation, DCC selection screen.	Payment commands
14	POSTING PAYMENT	When transaction is in-flight for Sale, Pre-Auth, Completion.	Authorization screen	Auth, Capture
16	CAPTURING VOID	Device is processing void transaction	Authorizing screen	Void
17	PROCESSING VOID	Void transaction is in-flight.	Authorization screen and Transaction status screen.	Void
18	CAPTURING REFUND	Device is processing Refund transaction.	Card Entry screen.	Credit
19	POSTING REFUND	Refund transaction is in-flight.	Authorization screen and transaction status screen.	Credit
20	CAPTURING GIFT	Device is processing for all the Gift transaction. This is also applicable for EBT/Private Label balance transaction.	Card Entry screen	Gift commands and EBT Balance command
21	POSTING GIFT	Gift transaction is in-flight.	Authorization screen and transaction status screen.	Gift commands
23	SAF QUERY	Device is processing SAF query.		SAF Query
24	SAF REMOVAL	Device is processing SAF removal.		SAF Removal
25	CAPTURING MAIL	Device is processing Email command.	Email capture screen	Device Command - Email
26	CAPTURING CUST QUESTION	Device is processing Customer question command.	Customer question screen	Device Command - Customer question

Valid Values	Definition	Description	Device Screen Status	Associated Commands
27	CAPTURING CUST SURVEY	Device is processing Customer survey commands.	Survey screen	Device Command - Survey5, Survey10, Survey
28	CAPTURING LOYALTY	Device is processing Loyalty details.	Loyalty command flow screens	Device Command - Loyalty
29	CAPTURING SIGNATURE	Device is processing Signature command.	Signature capture screen	Device Command - Signature Capture and Signature Capture Expanded
30	CAPTURING CHARITY	Device is processing Charity command.	Charity Donation screen.	Device Command - Charity
31	CAPTURING VERSION	Device is processing Version command.	Version Screen **NOTE:** Terminal will display system information on screen, only if DISPLAY_VERSION field is set to 1. Refer to VERSION command more details on the request fields.	Device Command - Version
32	CAPTURING CUST BUTTON	Device is processing Customer button.	Customer button screen	Device Command - Customer Button
33	LANE_CLOSED	After the device processing lane closed command.	Lane closed screen	Lane Closed
34	IN_WELCOME_SCREEN	This returns when the session is active. On Welcome screen when card readers are not active, and no card data is presented. (i.e. No card has been tapped, inserted, or swiped yet)	Welcome Screen	
35	CAPTURING CREDIT APP	Device is processing Credit App command.	Credit app screen	Device Command - Credit App

Valid Values	Definition	Description	Device Screen Status	Associated Commands
41	TRANSACTION COMPLETED	This returns when the device is in Transaction status screen after successfully completing the payment transaction.	Transaction status screen	Payment commands
42	PROCESSING_SET_PARM	Device is processing Set Parm command.		Device Command - Set Parameter
43	PROCESSING_GET_PARM	Device is processing Get Parm command.		Device Command - Get Parameter
44	PROCESSING_VHQ_UPDATES	Device is processing the Apply Updates command to process the VHQ updates available.		Apply Updates
46	PROCESSING_DISPLAY_MESSAGE	Device is processing Display Message command.	Display message screen.	Device Command - Display Message
47	PROCESSING GET CARD DATA	Device is processing Get Card Data command.		
48	DISPLAYING_QR_CODE	Device is processing QR code.	QR code screen.	Device Command - Display QR Code
50	CAPTURING CHECKBOX	Device is processing Checkbox command.	CheckBox screen	Device Command - Checkbox
52	CAPTURING DISPLAY IMAGE	Device is processing Display Image command.	Display Image screen	Device Command - Display Image
53	DISPLAYING LEFT PANEL LINE ITEM	Device is procceing Display Left Panel and Cancel left panel commands.	Display Left Panel screen	Device Commands: Display Left Panel and Cancel Display Left Panel
57	Klarna ID Check Processing	When application is waiting for Customer ID confirmation from POS during Klarna APM transaction.	Klarna APM screen	Capture with Klarna APM

Valid Values	Definition	Description	Device Screen Status	Associated Commands
58	Barcode Scanning in Progress	Device is processing Multi-Scan Barcode command.		Barcode Start (Multi Scan) and Barcode Stop (Multi-Scan)
59	Initializing startup flow	During application startup. **NOTE:** Once the startup flow is complete, then SCA will be in NO SESSION IDLE state (SECONDARY_DATA 10).	Startup flow screens	
60	IN CAPK UPDATE	When device is updating CAPK file from the processor. **NOTE:** This is applicable only to SCA Direct to Fiserv solution.		

Detailed Status Values

Following table defines the valid values, received by POS in **DETAILED_STATUS** field of **STATUS** command response.

Valid Values	Definition
-1	NO STATE. **NOTE:** Startup Complete with SECONDARY_DATA 10 (NO SESSION IDLE)
0	TRANSACTION COMPLETED
1	PROCESSING PLEASE WAIT
2	CAPTURING CARD DETAILS(Non-Manual Card Entry Mode - Swipe/Insert/Tap)
3	CAPTURING PIN DETAILS
4	CAPTURING SPLIT TENDER AMOUNT
5	CAPTURING TENDER/PAYMENT TYPE
6	CAPTURING CASHBACK
7	CAPTURING ACCOUNT NUM (manual)
8	CAPTURING EXPIRY
9	CAPTURING CVV
10	CAPTURING ZIP CODE
11	CAPTURING CASHBACK AMOUNT
12	IN LINE ITEM
13	CANCELLED BY POS

Valid Values	Definition
14	POS WAS DISCONNECTED
15	REBOOTING DEVICE
16	CAPTURING PAN CVV EXPIRY
17	PAN CVV EXPIRY CAPTURED
18	CAPTURING CVV EXPIRY
19	CVV EXPIRY CAPTURED
20	CARD DETAILS CAPTURED
21	PIN DETAILS CAPTURED
22	SPLIT TENDER CAPTURED
23	TENDER TYPE CAPTURED
34	CASHBACK CAPTURED
25	ACCOUNT NUM CAPTURED
26	EXPIRY CAPTURED
27	CVV CAPTURED
28	ZIP CODE CAPTURED
29	CASHBACK AMOUNT CAPTURED
30	CAPTURING CASHBACK PERCENTAGE
31	CASHBACK PERCENTAGE CAPTURED
32	CAPTURING TIP
33	TIP CAPTURED
34	CAPTURING TIP AMOUNT
35	TIP AMOUNT CAPTURED
36	CAPTURING SPLIT TENDER AMOUNT
37	SPLIT TENDER AMOUNT CAPTURED
38	CAPTURING AMOUNT CONFIRMATION
39	AMOUNT CONFIRMATION CAPTURED
40	CAPTURING DCC FLAG SELECTION
41	DCC FLAG SELECTION CAPTURED
42	CAPTURING GIFT PIN
43	CAPTURED GIFT PIN
44	CAPTURING EBT TYPE
45	CAPTURED EBT TYPE
46	CAPTURING LOYALTY
47	LOYALTY CAPTURED
48	CAPTURING EMAIL
49	EMAIL CAPTURED
50	CAPTURING SIGNATURE
51	SIGNATURE CAPTURED
52	SHOWING CARD REMOVE SCREEN
53	REMOVE INSERTED CARD

Valid Values	Definition
54	CAPTURING CUST QUESTION
55	CUST QUESTION CAPTURED
56	CAPTURING CUST SURVEY
57	CUST SURVEY CAPTURED
58	CAPTURING CHARITY DONATION
59	CHARITY DONATION CAPTURED
60	CAPTURING CUSTOMER BUTTON
61	CUSTOMER BUTTON CAPTURED
62	SHOWING QR CODE SCREEN
63	PRESSED BUTTON ON QR SCREEN
64	CAPTURING CUSTOMER CHECKBOX
65	CUSTOMER CHECKBOX CAPTURED
66	SHOWING DISPLAY MESSAGE
67	PRESSED BUTTON ON DISPLAY MESSAGE
68	SHOWING DISPLAY IMAGE
69	PRESSED BUTTON ON DISPLAY IMAGE
70	DISPLAYING VERSION
71	VERSION DISPLAYED
72	CAPTURING PROVISION PASS
73	PROVISION PASS CAPTURED
74	CAPTURING PROMPT CONFIRMATION
75	PROMPT CONFIRMATION CAPTURED
76	CAPTURING TRURATING SURVEY
77	TRURATING SURVEY CAPTURED
78	DISPLAYING TRURATING ACK SCREEN
79	TRURATING ACK SCREEN DISPLAYED
80	CAPTURING CREDIT APP PROMPT1
81	CAPTURING CREDIT APP PROMPT2
82	CAPTURING CREDIT APP PROMPT3
83	CAPTURING CREDIT APP PROMPT4
84	CAPTURING CREDIT APP PROMPT5
85	CAPTURING CREDIT APP PROMPT6
86	CAPTURING CREDIT APP PROMPT7
87	CAPTURING CREDIT APP PROMPT8
88	CAPTURING CREDIT APP PROMPT9
89	CAPTURING CREDIT APP PROMPT10
90	CREDIT APP PROMPT1 CAPTURED
91	CREDIT APP PROMPT2 CAPTURED
92	CREDIT APP PROMPT3 CAPTURED
93	CREDIT APP PROMPT4 CAPTURED

Valid Values	Definition
94	CREDIT APP PROMPT5 CAPTURED
95	CREDIT APP PROMPT6 CAPTURED
96	CREDIT APP PROMPT7 CAPTURED
97	CREDIT APP PROMPT8 CAPTURED
98	CREDIT APP PROMPT9 CAPTURED
99	CREDIT APP PROMPT10 CAPTURED
100	CREDIT APP HOST REQUEST
101	SENDING HOST REQUEST
102	SENDING TOKEN QUERY REQUEST
103	SENDING DCC LOOK UP REQUEST
104	SENDING EMV VOID REVERSAL REQUEST
105	SENDING TOR REQUEST
106	SENDING EMV ADMIN REQUEST
107	SENDING TRURATING HOST REQUEST
108	RECEIVED HOST RESPONSE
109	CONNECTION TIME OUT
110	RESPONSE TIME OUT
111	TRYING ON PRIMARY URL
112	TRYING ON SECONDARY URL
113	HOST UNAVAILABLE
114	FRAMING HOST REQUEST
115	FRAMING HOST RESPONSE
116	STORING SAF RECORD
117	SAF RECORD STORED
118	PROCESSING SAF QUERY
119	PROCESSING SAF REMOVE
120	BAD CARD READ
121	INVALID CARD DATA
122	INVALID USER DATA
123	READING EMV CARD
124	FALLBACK OCCURRED
125	TIMEOUT ON CARD READ SCREEN
126	BUTTON SELECTED
127	BUTTON DESELECTED
128	FRAMING POS RESPONSE WITH RECEIPT
129	FRAMING POS RESPONSE WITHOUT RECEIPT
130	CUSTOMER SKIPPED THE STEP
138	PROCESSING CP_SYSTEM_NOTIFIES_TRANSACTION_STARTED TRIGGER
139	PROCESSED CP_SYSTEM_NOTIFIES_TRANSACTION_STARTED TRIGGER
140	PROCESSING CP_SYSTEM_REQUESTS_BASKET_ADJUSTMENT TRIGGER

Valid Values	Definition
141	PROCESSED CP_SYSTEM_REQUESTS_BASKET_ADJUSTMENT TRIGGER
142	PROCESSING CP_SYSTEM_NOTIFIES_BASKET_FINALIZED TRIGGER
143	PROCESSED CP_SYSTEM_NOTIFIES_BASKET_FINALIZED TRIGGER
144	PROCESSING CP_SYSTEM_REQUESTS_LOYALTY TRIGGER
145	PROCESSED CP_SYSTEM_REQUESTS_LOYALTY TRIGGER
146	PROCESSING CP_SYSTEM_REQUESTS_AMOUNT_ADJUSTMENT TRIGGER
147	PROCESSED CP_SYSTEM_REQUESTS_AMOUNT_ADJUSTMENT TRIGGER
148	PROCESSING CP_SYSTEM_NOTIFIES_AMOUNT_FINALIZED TRIGGER
149	PROCESSED CP_SYSTEM_NOTIFIES_AMOUNT_FINALIZED TRIGGER
150	PROCESSING CP_SYSTEM_REQUESTS_ALT_PAYMENT TRIGGER
151	PROCESSED CP_SYSTEM_REQUESTS_ALT_PAYMENT TRIGGER
152	PROCESSING CP_SYSTEM_NOTIFIES_CARD_PRESENTED TRIGGER
153	PROCESSED CP_SYSTEM_NOTIFIES_CARD_PRESENTED TRIGGER
154	PROCESSING CP_SYSTEM_NOTIFIES_CARD_BIN_RECEIVED TRIGGER
155	PROCESSED CP_SYSTEM_NOTIFIES_CARD_BIN_RECEIVED TRIGGER
156	PROCESSING CP_SYSTEM_REQUESTS_PAYMENT_AMOUNT_ADJUSTMENT TRIGGER
157	PROCESSED CP_SYSTEM_REQUESTS_PAYMENT_AMOUNT_ADJUSTMENT TRIGGER
158	PROCESSING CP_SYSTEM_NOTIFIES_AUTHORIZATION_COMPLETED TRIGGER
159	PROCESSED CP_SYSTEM_NOTIFIES_AUTHORIZATION_COMPLETED TRIGGER
160	PROCESSING CP_SYSTEM_NOTIFIES_PAYMENT_COMPLETED TRIGGER
161	PROCESSED CP_SYSTEM_NOTIFIES_PAYMENT_COMPLETED TRIGGER
162	PROCESSING CP_SYSTEM_REQUESTS_RECEIPT_MANAGEMENT TRIGGER
163	PROCESSED CP_SYSTEM_REQUESTS_RECEIPT_MANAGEMENT TRIGGER
164	PROCESSING CP_SYSTEM_NOTIFIES_TRANSACTION_ENDED TRIGGER
165	PROCESSED CP_SYSTEM_NOTIFIES_TRANSACTION_ENDED TRIGGER
166	PROCESSING CP_SYSTEM_NOTIFIES_IDLE_ENTERED TRIGGER
167	PROCESSED CP_SYSTEM_NOTIFIES_IDLE_ENTERED TRIGGER
168	PROCESSING CP_SYSTEM_NOTIFIES_MANUAL_LAUNCH_SELECTED TRIGGER
169	PROCESSED CP_SYSTEM_NOTIFIES_MANUAL_LAUNCH_SELECTED TRIGGER
170	PROCESSING CP_APP_REQUESTS_POS_INPUT
171	IN STARTUP FLOW
172	IN HOST REGISTRATION FLOW
173	HOST REGISTRATION FAILED: DEVICE LOCKED
174	IN MAC KEY DOWNLOAD
175	MAC KEY DOWNLOAD FAILED
176	IN CAPK UPDATE
177	CAPK UPDATE FAILED
178	IN EMV CONFIGURATION
179	IN ENCRYPTION REGISTRATION
180	ENCRYPTION REGISTRATION FAILED: DEVICE LOCKED

Valid Values	Definition
181	IN BIN UPDATE
182	BIN UPDATE FAILED
183	IN TEST SALE. **NOTE:** This will be set before test sale. However, as part of the test sale flow, the detailed status can get updated, as like as in a regular sale.
184	TEST SALE FAILED: DEVICE LOCKED
185	IN PROPERTIES DB HEALTHCHECK
186	PROPERTIES DB HEALTHCHECK FAILED: REBOOTING
187	PROPERTIES DB HEALTHCHECK FAILED: DEVICE LOCKED
188	IN VERIFONE DB HEALTHCHECK
189	VERIFONE DB HEALTHCHECK FAILED: DEVICE LOCKED
190	IN BLUETOOTH UNPAIR CONFIRMATION SCREEN
191	APPLICATION IS ON EXCESS TIP CONFIRMATION PROMPT
192	CAPTURING FLEET PROMPTS DURING A PAYMENT FLOW