https://verifone.cloud/docs/sca-functional-specification/protocol_spec/ebt/ebt_balance_inquiry
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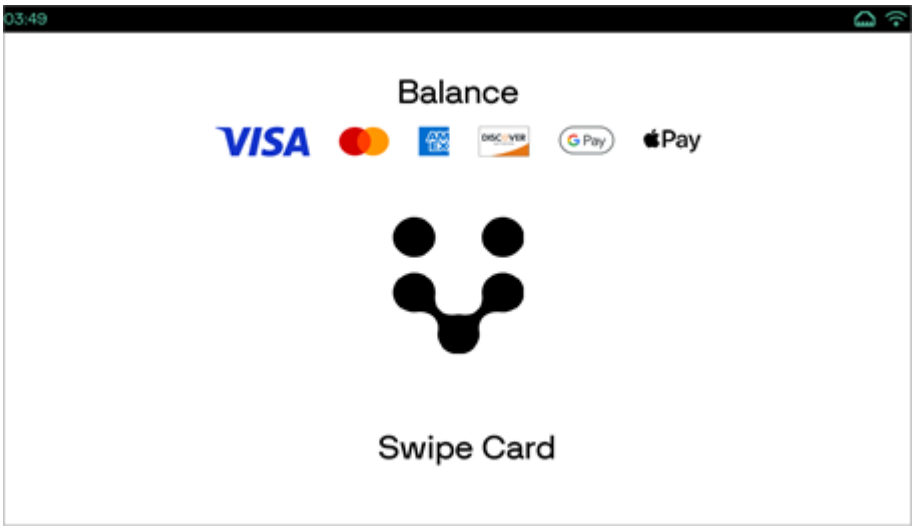
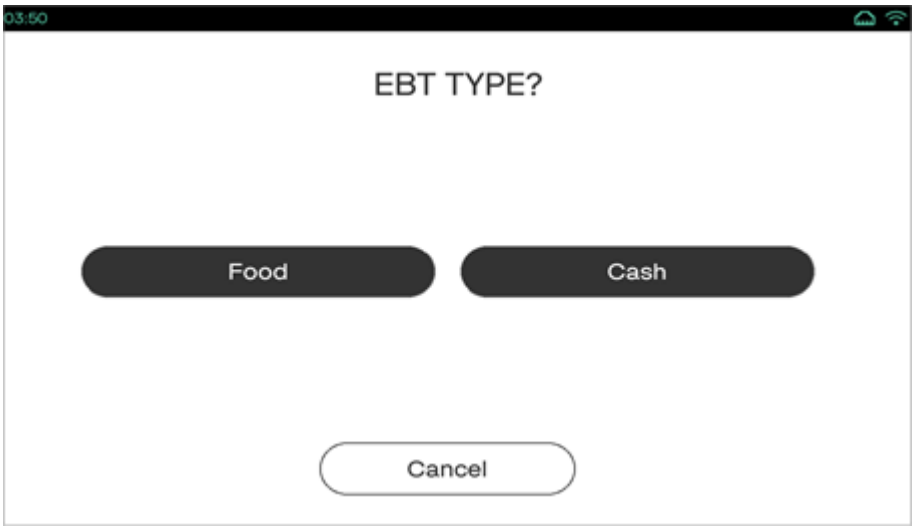
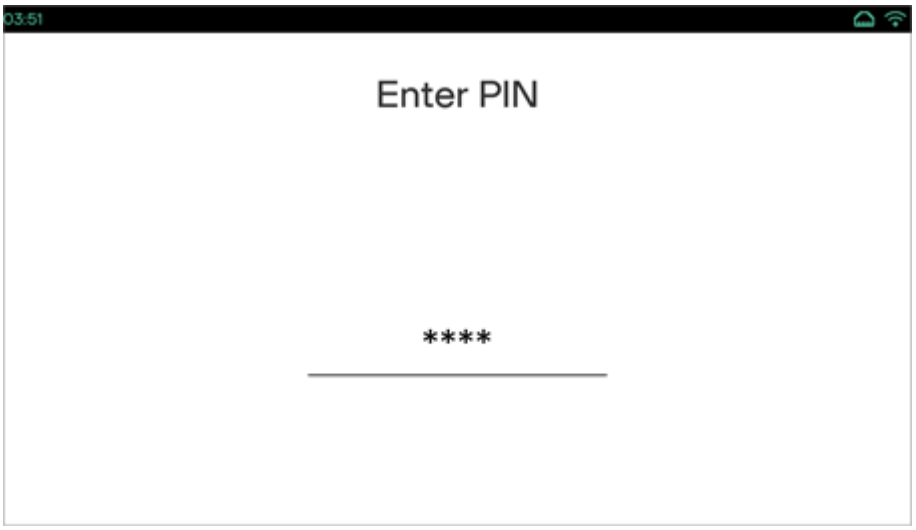
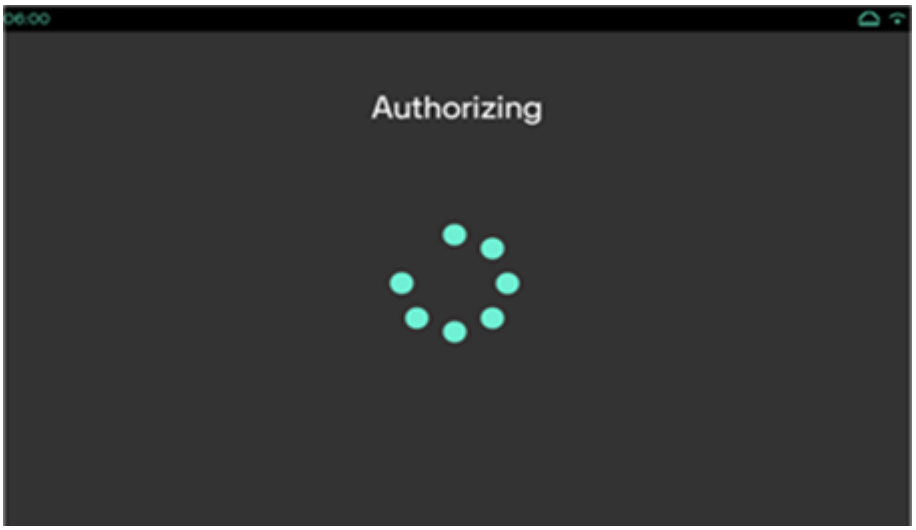
BALANCE INQUIRY

This command is used to check the balance on an EBT card.

Device UI Required

Display	User Action	Terminal Action
	Use the card for EBT card for balance query.	The device displays card entry screen.
	Select the EBT type provided (Food or Cash).	The device displays the EBT type screen.

Display	User Action	Terminal Action
	Enter the PIN and Enter.	PIn Entry screen is displayed.
	No action	The device displays authorizing screen.

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	PAYMENT	Type of function.
COMMAND	Required	Static value	N/A	N/A	BALANCE	Command name
PAYMENT_TYPE	Required	List	N/A	N/A	EBT	Payment type field for EBT. **NOTE:** PAYMENT_TYPE field is mandatory for card token based transactions.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
EBT_TYPE	Required	List	N/A	N/A	FOOD_STAMP or CASH_BENEFITS	This indicates the type of EBT transaction. This is a required for EBT transactions.
CARD_PRESENT	Optional	Binary			• TRUE - Card present (Default) • FALSE - Card not present	Card Present Indicator
MANUAL_ENTRY	Optional	Boolean	N/A	N/A	TRUE FALSE	This field is required to specify if the details would be entered manually.
ENCRYPT	Conditional	Boolean	N/A	N/A	TRUE FALSE	This field is required to encrypt the PAN details before passing it on to processor/gateway. In case of P2PE encryption, this field value will be TRUE as default value. **NOTE:** If this field is not present, then the application will internally treat this field as a value TRUE when the device encryption is ADE/VSD.
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

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
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>PAYMENT</FUNCTION_TYPE>
    <COMMAND>BALANCE</COMMAND>
    <COUNTER>1</COUNTER>
    <MAC> … </MAC>
    <MAC_LABEL>REG2</MAC_LABEL>
    <PAYMENT_TYPE>EBT</PAYMENT_TYPE>
    <MANUAL_ENTRY>FALSE</MANUAL_ENTRY>
    <ENCRYPT>TRUE</ENCRYPT>
    </TRANSACTION>
```

Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. **Example:** APPROVAL
RESULT	Character		This indicates the Result details. Commonly APPROVED or DECLINED.
RESULT_CODE	Numeric	Expected result code: 5, 6, 59023/ 59024, 59025/ 59026, 59004, 59002, 59049/ 59001, 59005, 59009, 59008, 59010, 59013, 59020, 59040	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.

Field	Type	Value	Description
COUNTER	Numeric		Echoes counter sent in the request. **Example:** 100
INTRN_SEQ_NUM	Numeric		PWC transaction ID. **Example:** 123456789
MERCHID	Numeric		Merchant ID. **Example:** 900000000123
TERMID	Numeric		Terminal ID. **Example:** 001
AUTH_CODE	Character		Processor authorization number. **Example:** 123456
PAYMENT_TYPE	Character		Payment type returned, like EBT. **Example:** EBT
ACCT_NUM	Numeric		Returned the masked account number. **Example:** 600649******9147
FS_AVAIL_BALANCE	Floating point number (decimal)		This field will return the available balance on SNAP card. **Example:** 100.00
CB_AVAIL_BALANCE	Character		This field will return the available balance on Cash Benefits card.. **Example:** 100.00
RECEIPT_DATA	Character		Receipt Data.
TRANS_DATE	Character		Transaction date returned. **Example:** 2016.09.20
TRANS_TIME	Character		Transaction time returned. **Example:** 09:16:25
POS_RECON	Character		POS reconciliation field echoed back if sent in request. **Example:** RetailPOS1

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

Following is an example of response packet

```
<RESPONSE>
    <ACCT_NUM>600649******9147</ACCT_NUM>
    <AUTH_CODE>123654</AUTH_CODE>
    <CB_AVAIL_BALANCE>0.00</CB_AVAIL_BALANCE>
    <FS_AVAIL_BALANCE>10.00</FS_AVAIL_BALANCE>
    <CTROUTD>141</CTROUTD>
    <INTRN_SEQ_NUM>569230</INTRN_SEQ_NUM>
    <PAYMENT_TYPE>EBT</PAYMENT_TYPE>
    <RESPONSE_TEXT>APPROVED</RESPONSE_TEXT>
    <RESULT>APPROVED</RESULT>
    <RESULT_CODE>5</RESULT_CODE>
    <TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
    <TRANS_SEQ_NUM>19</TRANS_SEQ_NUM>
    </RESPONSE>
```