LINE_ITEM_END

This command is used for basket finalizing and sending the trigger to the CP apps on the device. This signifies the transition from line-item basket formation to the payment transaction.

Device UI Required: No

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	LINE_ITEM	Type of function
COMMAND	Required	Static value	N/A	N/A	LINE_ITEM_END	Command name
CASH_PAYMENT	Optional	Boolean	N/A	N/A	TRUE or FALSE	Cash payment. In POS, default value is set as TRUE.
INVOICE	Optional	Character	1	40		Merchant invoice number. Maximum 40 characters (A-Z, a-z, 0-9) and these are not case sensitive. All the special characters are supported in INVOICE. POS, integrated with the application should handle maximum invoice applicable for the host used in the environment Vantiv allows numeric only; the value may not be all zeroes. **Example:** TA1234
LANE	Optional	Numeric	1	8		This field is used to identify the retail lane. **Example:** 1

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
NOTIFY_SCA_EVENTS	Optional	Boolean	N/A	N/A	TRUE or FALSE	If this field is set to TRUE, then it returns event broadcasts as play by play of what is occurring on the device when interacting with consumer and host as Unsolicited Consumer Selection response. This is applicable to Vantiv Direct Engage Devices Only (as of this publication). POS_IP and POS_PORT must be sent. Broadcast events should be used as information only and not as a condition for stopping or resuming a transaction. The exception would be in case where consumer interaction has lapsed for certain duration and POS elects to CANCEL on secondary port.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
POS_IP	Optional	Character				This indicates the POS listening IP address. This is for Consumer Unsolicited responses to POS. **Example:** 192.168.31.100
POS_PORT	Optional	Numeric	4	4		This indicates the POS listening port. This is for Consumer Unsolicited responses to POS. **Example:** 5016
STORE_NUM	Optional	Character	1	6		Store number. **Example:** 203
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 sed 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>LINE_ITEM</FUNCTION_TYPE>
<COMMAND>LINE_ITEM_END</COMMAND>
</TRANSACTION>
```

Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. **Example:** SUCCESS
RESULT	Character		This indicates the Result details. **Example:** OK
RESULT_CODE	Numeric	Expected result code: -1, 59040	This indicates the result code.

Field	Type	Value	Description
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.
CASH_PAYMENT	Boolean	TRUE or FALSE	This field is returned as sent in the request.
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>Operation SUCCESSFUL</RESPONSE_TEXT>
<RESULT>OK</RESULT>
<RESULT_CODE>-1</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<COUNTER>10</COUNTER>
</RESPONSE>
```