

Capture

This command captures payment authorization(s) and marks them eligible for settlement.

Note

If both AUTH_CODE and CTROUTD are sent in the transaction, Point will issue an error (example, AUTH_CODE/CTROUTD combination not valid).

Device UI Required: Yes

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	CAPTURE	Command name
TRANS_AMOUNT	Required	Floating point number	1(2)	6(2)		Total transaction amount (including any TIP_AMOUNT). Example: 5.35
TIP_AMOUNT	Optional	Floating point number	1(2)	6(2)		Tip amount. Example: 1.00
EBTCASH_ELIGIBLE	Optional	Floating point number	1(2)	6(2)		Amount eligible for Cash Benefits EBT. When present, SCA displays EBT payment button. Example: 5.00
EBTSNAP_ELIGIBLE	Optional	Floating point number	1(2)	6(2)		Amount eligible for Food Stamp EBT. When present, SCA displays EBT payment button. Example: 5.00

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
PAYMENT_TYPE	Optional	List			<ul style="list-style-type: none"> • CREDIT • DEBIT • GIFT • EBT 	Required when CTROUTD is sent. Optional otherwise. When present, will bypass the consumer payment selection screen. NOTE: PAYMENT_TYPE field is mandatory for card token based transactions.
EBT_TYPE	Optional	List			FOOD_STAMP or CASH_BENEFITS	Required for EBT transactions
AUTH_CODE	Conditional	Character	1	6		When present, the capture is performed offline as a POST_AUTH. NOTE: This is applicable for Credit card only and Vantiv Direct allows maximum 6 bytes. Example: TA1260
MANUAL_ENTRY	Optional	Binary			<ul style="list-style-type: none"> • TRUE • FALSE 	Instructs Point to collect the account information through the keypad on the device.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CUSTOMER_STREET	Optional	Character	1	20		Applicable when MANUAL_ENTRY = TRUE. Merchants should send this field only when required by the processor.
CUSTOMER_ZIP	Optional	Character		9		Applicable when MANUAL_ENTRY = TRUE. Merchants should send this field only when required by the processor.
MER_SVC_PHONE_NUM	Optional	Numeric		10		FDRC Engage Only. Customer Service Phone Number for use when CARD_PRESENT= FALSE (will override what is in CustomerSvcPhone parameter). Example: 8001234567

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
PAYMENT_TYPES	Optional	Character	3			<p>Pipe-delimited list of valid tender types (for capture/refund transactions) specified by POS. Only listed payment types will appear on consumer payment selection screen.</p> <p>NOTE: All included tender types must be configuration enabled.</p> <p>Example: CREDIT DEBIT GIFT FSA</p>
CARD_PRESENT	Optional	Binary			<ul style="list-style-type: none"> • TRUE - Card present (POS Condition Code 71) (Default) • FALSE - Card not present (POS Condition Code 08) 	<p>Card Present Indicator. This is applicable to FDRC, Worldpay and TSYS.</p>
ORDER_TYPE	Optional	List			<ul style="list-style-type: none"> • 1 - Mail Order • 2 - Telephone Order (default) 	<p>Order Type for Card not present (MOTO) transactions, when CARD_PRESENT is set to FALSE. This is applicable to FDRC and TSYS.</p>

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CTROUTD	Conditional	Numeric	1	16		When present, Point will mark the referenced transaction as eligible for settlement (performed with the COMPLETION command). Example: 1234567
RECURRING	Optional	Binary	1	1	Yes or No	This is for UGP only. This is used when Payment Type is Credit. This field denotes Recurring Billing Flag to indicate the transaction is recurring.
BILLPAY	Optional	Binary	1	1	TRUE or False	This is for UGP and Vantiv Direct. Used to indicate a bill payment. NOTE: When using Vantiv, a CAPTURE followed by a CAPTURE with BILLPAY in the same session = Pay on Account.
FORCE_FLAG	Conditional	Binary			TRUE or False	This is applicable for FDRC and UGP. This field is used to override duplicate checking (dupcheck) for the transaction.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
USER_DEFINED1	Optional	Character	1	35		This is for Vantiv Direct Only. This is a user defined field (will override START session).
USER_DEFINED2	Optional	Character	1	35		This is for Vantiv Direct Only. This is a user defined field (will override START session). NOTE: This will be truncated to 20.
USER_DEFINED3	Optional	Character	1	35		This is for Vantiv Direct Only. This is a user defined field (will override START session). NOTE: This will be truncated to 20.
DCC_NOT_ALLO WED	Conditional	Binary			TRUE or FALSE	Required if HOST_RESP_CODE is Referral code for DCC. Disables DCC for the transaction. NOTE: Classic Solution to FirstData/Fiserv only.

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 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

Level II

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
TAX_AMOUNT	Conditional	Floating point number	1(2)	6(2)		Tax amount. Example: 5.00

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
TAX_IND	Conditional	List			<ul style="list-style-type: none"> • 0 - Tax not provided • 2 - Tax amount equals 0.00 • 1 - Tax amount not equal to 0.00 	Tax indicator.
CMRCL_FLAG	Conditional	List			<ul style="list-style-type: none"> • B - Business • C - Corporate • P - Purchasing 	Commercial flag.
CUSTOMER_CODE	Conditional	Character	1	25		Customer code.
RETAIL_ITEM_DESC_1	Conditional	Character	1	40	Default is (empty)	Description of retail items.

Keyed Account Information for Gift Card Payment Type Only

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
ACCT_NUM	Optional	Numeric	1	25		Account number. Example: 67823456781313
CARD_EXP_MONTH	Optional	Numeric	2	2		Card expiry month. Example: 12
CARD_EXP_YEAR	Optional	Numeric	2	2		Card expiry year. Example: 49
PIN_CODE	Optional	Numeric	1	10		Pin code.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CVV2	Optional	Numeric	1	10		CVV2 number.

Processor-Based Token (Conditional)

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
AMOUNT_HEALTHCARE	Conditional	Floating point number	1(2)	6(2)		Required for FSA. Total FSA-eligible amount. Example: 5.00
AMOUNT_PRESCRIPTION	Optional	Floating point number	1(2)	6(2)		FSA-eligible prescription amount. Example: 5.00
AMOUNT_VISION	Optional	Floating point number	1(2)	6(2)		FSA-eligible vision amount. Example: 1.00
AMOUNT_CLINIC	Optional	Floating point number	1(2)	6(2)		FSA-eligible clinic amount. Example: 1.00
AMOUNT_DENTAL	Optional	Floating point number	1(2)	6(2)		FSA-eligible dental amount. Example: 1.00

Processor-Based Token (Conditional)

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CARD_TOKEN	Conditional	Character	1	40		Refer to :ref: lbl-<i>proto-spec-message-format-main</i> section for more details on Two Way Card Token. Example: 7987654321098765

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CARD_EXP_MONTH	Conditional	Numeric	2	2		Required when sending AUTH_CODE and CARD_TOKEN.
CARD_EXP_YEAR	Conditional	Numeric	2	2		Required when sending AUTH_CODE and CARD_TOKEN.
BANK_USERDATA	Conditional	Character	1	50		Returned with CARD_TOKEN. Whatever comes back with BANK_USERDATA in the response for the token should also be sent in the request. NOTE: This is applicable to FDRC Engage only. Example: 01/00/02/Visa/
OC_INDUSTRY_CODE	Conditional	Character	1	1	<ul style="list-style-type: none"> E - eComme rce M - Moto. Default is empty. 	This is used to convert a transaction from the Merchants default industry of Retail or Restaurant to E-Commerce or MOTO. NOTE: This is used only in case of UGP host.

Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. Example: APPROVAL

Field	Type	Value	Description
RESULT	Character		This indicates the Result details, commonly CAPTURED or DECLINED.
RESULT_CODE	Numeric	Expected result codes: 4 or 5 or 6	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.
COUNTER	Numeric		Echoes COUNTER sent in the request. Example: 100
B_NUM	Numeric		Processor/Batch trans sequence number (not meaningful for direct host integrations). Example: 000042
INTRN_SEQ_NUM	Numeric		PWC transaction ID (not meaningful for direct host integrations). Example: 000042
TROUTD	Numeric		In Vantiv Direct implementations this is STAN number. Example: 000042
CTROUTD	Numeric		Client-specific Transaction routing ID. Example: 028660198
PAYMENT_TYPE	Character		Type of payment. Example: CREDIT, DEBIT
PAYMENT_MEDIA	Character		Medium of payment, Commonly VISA/MC/DISC/AMEX/DEBIT. Example: VISA
EBT_TYPE	Character	FOOD_STAMP or CASH_BENEFITS	Indicates processed EBT transaction.

Field	Type	Value	Description
ACCT_NUM	Numeric		Masked account number. Example: 400555*****0019
AUTH_CODE	Character		Processor authorization number. Example: TA0156
AVAILABLE_BALANCE	Floating point number		Available balance on card. Example: 0.01
APPROVED_AMOUNT	Floating point number		Amount approved on authorization. Example: 5.00
DIFF_AMOUNT_DUE	Floating point number		For partial authorizations, remaining payment amount (TRANS_AMOUNT - APPROVED_AMOUNT). This is applicable if <code>PARTIALAUTH</code> configuration parameter (Host Specific paramter) is enabled.
FSA_AMOUNT	Floating point number		FSA amount. Indicates processing with FSA items in transaction. Example: 5.00
CASHBACK_AMNT	Floating point number		Returned for Debit or EBT Cash Benefits transactions with cash back. Example: 10.00
TIP_AMOUNT	Floating point number		Returned if counter tip selected or if TIP_AMOUNT sent in request. Example: 2.00
FS_AVAIL_BALANCE	Floating point number		Available balance on EBT SNAP card. Example: 0.00
CB_AVAIL_BALANCE	Floating point number		Available balance on EBT Cash Benefits card. Example: 0.00
CARD_ENTRY_MODE	Character		Refer to Card Entry Mode for details on possible values. NOTE: Vantiv Direct also has value Token. Example: Swiped
CARDHOLDER	Character		Returned for swiped/insert transactions. Example: Doe/John

Field	Type	Value	Description
CARD_EXP_MONTH	Numeric		Expiry month of the card. Example: 12
CARD_EXP_YEAR	Numeric		Expiry year of the card. Example: 20
AVS_CODE	Character		Result of AVS check when sent from host. Example: Z
CVV2_CODE	Character		Result of CVV2 check when sent from host. Example: M
AUTH_RESP_CODE	Character		Processor authorization response code. Returned by some processors when the transaction is declined. This length is maximum of 19 bytes. Example: 0131
EMBOSSD_ACCT_NUM	Numeric		Card number conditionally returned if present in the response. Returned if payment type = GIFT and returnembossednumforgift is enabled. Example: 6499991111115789
SAF_NUM	Numeric		Returned instead of CTROUTD/TROUTD when transaction has been put in SAF. SAF number is per device. Example: 0008
RECEIPT_DATA	Character		Refer to Receipt Data in Response section for more details on receipt data.
TRANS_DATE	Character		Transaction date. Example: 2018.01.10
TRANS_TIME	Character		Transaction time. Example: 12:24:30
BATCH_TRACE_ID	Character		Conditional. Batch Trace ID. Example: 12cc7b17-4b45-4344-b412-1234

Field	Type	Value	Description
TRAN_LANG_CODE	Character	<ul style="list-style-type: none"> en - English fr - French es - Espanol 	This field is returned in POS response in case of only payment transactions with card intervention.
TRAINING_MODE	Character	ON or OFF	Conditionally returned when session is in Training Mode.

Processor-Based Token (Conditional)

Note

For use with host based processors supporting card based token implementations.

Field	Type	Value(s)	Description
CARD_TOKEN	Character		Refer to MESSAGE FORMAT section for more details on Message Format, Responses from Point. Example: 7987654321098765
BANK_USERDATA	Character		Bank User Data, normally returned with CARD_TOKEN. NOTE: This is applicable for FDRC Engage only. Example: 01/00/02/Visa/

Direct to Processor Implementation Response Fields (Conditional)

Field	Type	Value(s)	Description
HOST_RESPCODE	Numeric		Host response code. Example: 000
MERCHID	Numeric		Returns the merchant ID.
TERMID	Numeric		Returns the terminal ID.
LANE	Numeric		Lane number.

Field	Type	Value(s)	Description
EMV_CVM	Character	<ul style="list-style-type: none"> • SIGNATURE • PIN • NONE 	NOTE: Vantiv Direct returns for both EMV and MSR transactions.
EMV_REVERSAL_TYPE	Numeric	Possible values: <ul style="list-style-type: none"> • 401-Host Approved but EMV Card Removed Before Completing (auto-voided) • 402-Host Approved but EMV Card Rejected Current Transaction (auto-voided) • 403-Host Approved but Error Occurred before completing Current Transaction (auto-voided) 	EMV reversal type.

Dynamic Currency Conversion Response Fields (Conditional)

Note

Classic Solution to FirstData/Fiserv only.

Field	Type	Value(s)	Description
DCC_TRAN_AMOUNT	Floating point number		Converted amount. Example: 24.45
DCC_EXCHANGE_RATE	Floating point number		Exchange rate for converting local currency to foreign currency. Example: 1.7461

Field	Type	Value(s)	Description
DCC_ALPHA_CURR_CODE	Character		Currency code of the foreign transaction. Example: SGD