



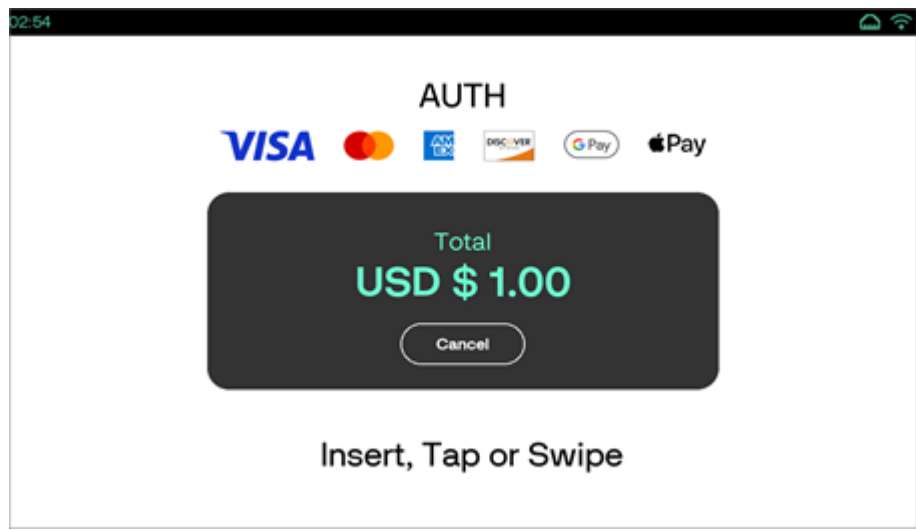
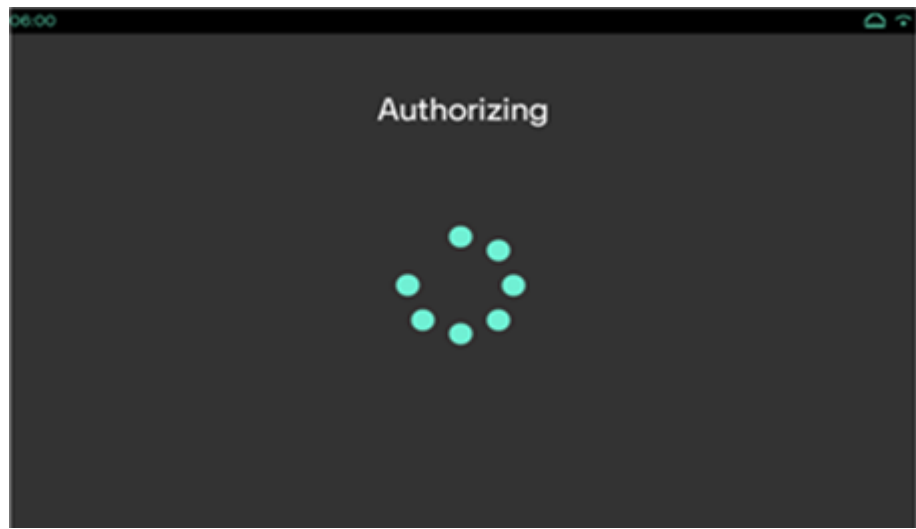
[https://verifone.cloud/docs/sca-functional-specification/protocol\\_spec/retail\\_restaurant/authorize](https://verifone.cloud/docs/sca-functional-specification/protocol_spec/retail_restaurant/authorize)

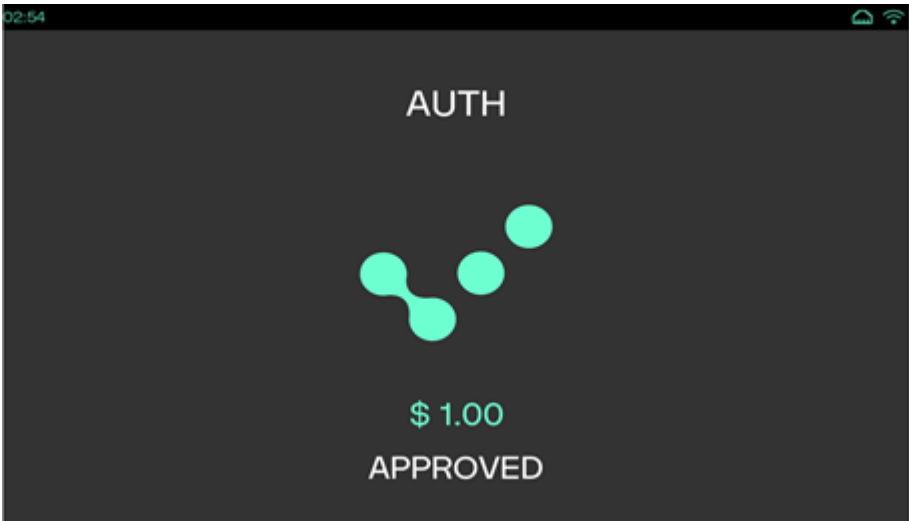
Updated: 23-Jul-2025

# AUTHORIZE

This command requests a payment authorization at the processor or adds a voice authorization code to PWC.

Device UI Required

Display	User Action	Terminal Action
	Use the card entry mode for authorization.	The device displays card entry screen.
	No action	The device displays authorizing screen.

Display	User Action	Terminal Action
	No action	The device displays the Authorization status screen.

#### Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	
FUNCTION_TYPE	Required	Static value	N/A	N/A	PAYMENT	Type of function
COMMAND	Required	Static value	N/A	N/A	AUTH	Command name
TRANS_AMOUNT	Required	Floating point number	1(2)	6(2)		Transaction amount
PAYMENT_TYPE	Optional	List			<ul style="list-style-type: none"> <li>• CREDIT</li> <li>• GIFT</li> <li>• PRIV_LBL</li> </ul>	<p>When present, indicates the type of consumer payment. Required field for GIFT (GIFT only). AUTH for CREDIT and PRIV_LBL. PAYMENT_TYPE is mandatory for all transactions.</p> <p>When present, indicates if the transaction is performed on a credit card. VOICE_AUTH is required for credit card transactions. First Data Reader Classic implementation requires TA12605.</p> <p>Instructs Point of Sale to display payment information to the consumer. TRUE is FALSE.</p>
AUTH_CODE	Conditional	Character	1	16		
MANUAL_ENTRY	Optional	Boolean			TRUE or FALSE	

Field	Rule	Type	Minimum	Maximum	Value(s)	
CUSTOMER_STREET	Optional	Character	1	20		Applicable w MANUAL_I Merchants sh when require required for c Gateway ser
CUSTOMER_ZIP	Optional	Character		9		Applicable w MANUAL_I Merchants sh when require required for c Gateway ser
CARD_PRESENT	Optional	Binary			<ul style="list-style-type: none"> <li>• TRUE - Card present (Default)</li> <li>• FALSE - Card not present</li> </ul>	Card Present
MANUAL_PROMPT_OPTIONS	Optional	Character	1	50	NOEXP	Applicable w MANUAL_I VOICE_AU When this is prompt for e applicable fo
BILLPAY	Optional	Boolean	1	1	TRUE or FALSE	This is used payment. Th and Vantiv D
FORCE_FLAG	Conditional	Boolean			True or FALSE	This field is duplicate che transaction, v DUPLICATI <a href="#">Application I</a> The value sh override dup
CAPTURECARD_EARLYRETURN	Optional	Boolean			TRUE or FALSE	If the sending the applicati POS before p checking in p or masked P. Refer to the c SCA will cac but will only subsequent C containing ex to <a href="#">Capture C</a> more details.

Field	Rule	Type	Minimum	Maximum	Value(s)	
EMV_TAGS_REQD	Conditional	Binary			Valid values: Y/N	EMV tags de is sent in req tags in the re CAPTUREC is sent as TR This field is PAN details processor/ga encryption, t to TRUE as present, then internally tre TRUE when ADE/VSD.
ENCRYPT	Conditional	Boolean			TRUE or FALSE	
INSTALLMENT	Conditional	Character			<ul style="list-style-type: none"> <li>• N - Transaction will not be processed for instalment payment.</li> <li>• Y - Transaction will be processed for instalment payment.</li> <li>• F - For first transaction.</li> </ul>	<p>This field de Credential tr processed fo This is a requ SCMCI_IND</p> <p>is prohibited SCMCI_IND optional, wh SCMCI_IND Value N and GSC. Value UGP.</p>
RECURRING	Conditional	Character			<ul style="list-style-type: none"> <li>• N - Transaction will not be processed for instalment payment.</li> <li>• Y - Transaction will be processed for instalment payment.</li> <li>• F - For first transaction</li> </ul>	<p>This field de Credential tr processed fo This is a requ SCMCI_IND</p> <p>is prohibited SCMCI_IND optional, wh SCMCI_IND Value N and GSC. Value UGP.</p>

Field	Rule	Type	Minimum	Maximum	Value(s)
UNSCHEDULED	Conditional	Binary			<ul style="list-style-type: none"> <li>• N - Transaction will not be processed for unscheduled payment. This field de Credential tr processed fo This is a requ SCMCI_IND</li> <li>• Y - Transaction will be processed for unscheduled payment. is prohibited SCMCI_IND optional, wh SCMCI_IND This is applic</li> </ul>
SCMCI_INDICATOR	Optional	Numeric			<ul style="list-style-type: none"> <li>• 1 - Cardholder Initiated Signup Transaction.</li> <li>• 2 - Cardholder Initiated Charge Transaction. (UGP) This field de Credential T This is a <b>Req</b> credential tra should be set applicable to 1 and 3 are a 1 and 2 are a</li> <li>• 2 - Merchant Initiated Charge Transaction. (Worldpay and UGP)</li> <li>• 3 - Merchant Initiated Charge Transaction.</li> </ul>

Field	Rule	Type	Minimum	Maximum	Value(s)
SCMCI_REASON	Character	Numeric			<ul style="list-style-type: none"> <li>• 3900 - Incremental Authorization</li> <li>• 3901 - Resubmission</li> <li>• 3902 - Delayed Charges</li> <li>• 3903 - Reauthorization</li> <li>• 3904 - No Show</li> <li>• 0000 - No message reason code</li> </ul> <p>This field indicates the reason code returned to host. It is a numeric value only.</p> <p><b>NOTE:</b> This field is only applicable for PWC process.</p>
CDD_DATA	Optional	Character 1		10000	Ex: INV200471
DEPARTMENT_CODE	Optional	Character		40	

Customer Data is optional and is a pass-through field. It is passed in the request if present in the response. It is returned in PWC process. It is applicable for PWC process. It is 30 characters long. Hosts, applications, and devices must accept this field and the same value must be returned in the host request. DEPARTMENT\_CODE is a numeric value only. DEPARTMENT\_CODE is only applicable for PWC process.

Field	Rule	Type	Minimum	Maximum	Value(s)
TOKEN_TYPE	Optional	Character			LVT (Low Value Token)
PROMO_SPECIAL_FIN_IND	Optional	Character	2	2	Ex: 02
PROMO_PLAN_CODE	Optional	Character	3	3	Ex: A54
PROMO_PLAN_EXP_DATE	Optional	Character	6	6	Ex: 122024

Field	Rule	Type	Minimum	Maximum	Value(s)	
COL_3, COL_4, COL_5, COL_6, COL_7, COL_8, COL_9, COL_10	Optional	Character	1	255		These fields Column 10. 7 for the Merc System, whic additional da PWC CLIEN When a valu in, that same the response. are not index command rep sent to any p fields are ser request. <b>Exa</b> data
POS_RECON	Optional	Character	1	30		POS reconc Reconciliatio back in respo RetailPOS1
COUNTER	Required	Numeric	1	10		COUNTER i label. Each C higher than t to authentica 100
MAC	Required	Base64 Encoded Data				Message Aut is used to aut
MAC_LABEL	Required	Character	1	50		Associated la which MAC the value of l authenticate REG1

## Level II

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

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
TAX_IND	Conditional List				Valid values: <ul style="list-style-type: none"> <li>0 - Tax not provided</li> <li>1 - Tax amount not equal to 0.00</li> <li>2 - Tax amount equals 0.00</li> </ul>	Tax indicator.

CMRCL_FLAG	Conditional List				Valid values: <ul style="list-style-type: none"> <li>B - Business</li> <li>C - Corporate</li> <li>P - Purchasing</li> </ul>	Commercial flag
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### Keyed Account Information for Gift Card and Credit Card Payment Types Only

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
ACCT_NUM	Optional	Numeric	1	25		This field is used to enter the account number manually. For this MANUAL_ENTRY must be set to TRUE. Pre-swipe data will not be honored. <b>Example:</b> 67823456781313
CARD_EXP_MONTH	Optional	Numeric	2	2		Card expiry month. <b>Example:</b> 12
CARD_EXP_YEAR	Optional	Numeric	2	2		Card expiry year. <b>Example:</b> 49
BARCODE	Optional	Character	1	100		Barcode scanning option.
PIN_CODE	Optional	Numeric	1	10		PIN code.
CVV2	Optional	Numeric	1	10		Card Verification Value 2.

### Processor-Based Token (Conditional)

#### Note

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

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
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TKN_RENEW	Conditional Character	1	Valid value: 1	Application will send this field to the Gateway, requesting for Token renewal. As of this publication, this is applicable for UGP only. Card token is processor-based or gateway-based and can represent a unique card. Refer to <a href="#">Two Way Card Token</a> section. <b>Example:</b> 7987654321098765
CARD_TOKEN	Conditional Character 1	40		
DCC_IND	Conditional Numeric 1	1	Values: <ul style="list-style-type: none"> <li>• 2 - Transaction is not eligible for DCC.</li> <li>• 3 - Transaction is DCC eligible yet cardholder has not accepted the option.</li> </ul>	DCC Indicator.
CARD_EXP_MONTH	Conditional Numeric 2	2		Card expiry month details are required when sending AUTH_CODE and CARD_TOKEN. This is applicable to Point SCA First Data Rapid Connect and Direct to Vantiv implementations only.

CARD_EXP_YEAR	Conditional Numeric	2	2	Card expiry year details are required when sending AUTH_CODE and CARD_TOKEN. This is applicable to Point SCA First Data Rapid Connect and Direct to Vantiv implementations only..
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. <b>Example:</b> Ex: 01/00/02/Visa/
OC_INDUSTRY_CODE	Conditional Character			Valid values: <ul style="list-style-type: none"> <li>• E - eCommerce</li> <li>• M - Moto. Default is empty.</li> </ul> This is used to convert a transaction from the Merchants default industry of Retail or Restaurant to E-Commerce or MOTO. This is applicable in case of UGP host only.

### Stored Credential on File transaction - Worldpay

#### Note

- The following fields are specific to **WorldPay** only.
- These are added for Credential on File transaction, in which a cardholder explicitly authorizes the merchant to store the cardholder's account information and subsequently authorizes that same merchant to bill them.
- Credential on File transaction option is supported only in Credit payment type.
- CUSTOMER\_ID, CUSTOMER\_EMAIL, CUSTOMER\_PHONE\_NUM tags will be sent from POS in G059 (Customer Order Information) in the request packet and CUSTOMER\_NAME\_ON\_CARD tag will be sent from POS in G063 (Merchant Fraud Customer Name) in the request packet.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CUSTOMER_ID	Optional	Conditional	0	32		Customer order ID.
CUSTOMER_EMAIL	Optional	Conditional	0	64		Customer email.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CUSTOMER_PHONE_NUM	Optional	Numeric		10		Customer phone number.
CUSTOMER_NAME_ON_CARD	Optional	Conditional	0	20		Customer name on card.

### Stored Credential Charge transaction (Conditional)

#### Note

All the fields are applicable for GSC, however COF\_REFERENCE field applicable for UGP as well. Refer to [Stored Credential transaction](#) for the sample request and response.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
COF_REFERENCE	Required	Character		Maximum length 50		For GSC, this is the Signup Reference UUID. For UGP, this is SCMC host field for charge transaction.
COF_PROCESSOR_TRANS_ID	Optional	Character		Maximum length 128		Signup Processor Transaction ID. Maps to POS Request field: PROCESSOR_TRANS_ID
COF_ISSUER_AUTH_RESULT	Optional	Character		Maximum length 50		Signup Issuer Authorisation Result.
COF_ACQ_AUTH_RESULT	Optional	Character		Maximum length 50		Signup Acquirer Authorisation Result.
COF_ACQ_REFERENCE_DATA	Required	Character		Maximum length 200		Signup Acquirer Reference Data.
COF_SCHEME_REFERENCE_DATA	Optional	Character		Maximum length 200		Signup Scheme Reference Data.
COF_AUTH_CODE	Required	Numeric		Maximum length 10		Signup Authorisation Code. Maps to POS Request field: AUTH_CODE
COF_ACQ_RESP_DATETIME	Required	Character		Maximum length 30		Signup Acquirer Response Date/Time. Maps to POS Request field: ACQUIRER_DATETIME
COF_SETTLEMENT_DATE	Optional	Character		Maximum length 30		Signup Settlement Date.

#### Checks

Note

Supported Payment type is CHECK\_SALE only. Refer to [Example for Check Transaction](#) for the sample request and response. This is applicable to GSC only.

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
MICR	Conditional	Character		128		Check transactions with MICR. <b>Example:</b> T999999992T12345678901
ABA_NUM	Conditional	Numeric		10		Required if MICR not sent. <b>Example:</b> 123456789
ACCT_NUM	Conditional	Numeric	6	40		Required if MICR not sent. <b>Example:</b> 656565656565
CHECK_NUM	C	N		10		Required if MICR not sent. <b>Example:</b> 1234
Valid Values:						
CHECK_TYPE	Required	List	1	1	• 0 - Personal Cheque (Default)	This field defines the type of based on the provided value
					• 1 - Company Cheque	
					• 2 - Payroll	
					• 3 - Government Cheque	
					• 4 - Cash	
					• 5 - Insurance Cheque	
					• 6 - Travelers Cheque	
					• 7 - Tax Government	
DL_STATE	Optional	Character	2		• 8 - Tax non- government	Driver's license state abbrev <b>Example:</b> CA
						Driver's license number. For the maximum length for DL_NUMBER is 16 charac <b>Example:</b> A1234567

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
CUSTOMER_DOB	Optional	Numeric	8	8		Date of Birth (MMDDYY) Example: <u>**</u> 01281974

## Fleet Card Transaction

### Note

This section is applicable to GSC only. Maximum of eight (8) Item lists are allowed for each transaction. Refer to [Fleet Card Support](#) for more details on this feature.

## ITEM\_LIST

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
PROD_CODE	Conditional	Numeric		3		This is the product code. <b>Example:</b> 102
QUANTITY	Conditional	Numeric				Item quantity. <b>Example:</b> 1.000
UNIT_PRICE	Conditional	Floating point number	1(2)	6(2)		Single item price without tax. <b>Example:</b> 10.00
UNIT_OF_MEASURE	Conditional	Character				A standardized quantity used to express the unit of the item.
DESCRIPTION	Conditional	Character				Text description of the item.
CATEGORY	Conditional	Character				<b>Example:</b> N
TOTAL	Conditional	Floating point number	1(2)	6(2)		This field indicates the total price including Tax. <b>Example:</b> 12.00
TAX	Conditional	Floating point number	1(2)	6(2)		Tax amount of the transaction. <b>Example:</b> 2.00

### Note

- **PROMO\_SPECIAL\_FIN\_IND**, **PROMO\_PLAN\_CODE** and **PROMO\_PLAN\_EXP\_DATE** fields are applicable for Post Authorization transactions.
- If **PROMO\_PLAN\_CODE** is sent and **PROMO\_SPECIAL\_FIN\_IND** is not sent, then the Promo Special Financial Indicator will consider the configured value from **PROMOSPECIALFININD** parameter.
- If **PROMO\_PLAN\_CODE** is sent and **PROMO\_PLAN\_EXP\_DATE** is not sent, then the Promo Expiry Date will consider the configured value from **PROMOEXPIRYDATE** parameter.

### Example

Following is an example of request packet

```
<TRANSACTION>
<FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
<COMMAND>AUTH</COMMAND>
<COUNTER>1</COUNTER>
<MAC> ... </MAC>
<MAC_LABEL>REG2</MAC_LABEL>
<TRANS_AMOUNT>1.00</TRANS_AMOUNT>
<RECURRING>Y</RECURRING>
<BILLPAY>TRUE</BILLPAY>
<OC_INDUSTRY_CODE>M</OC_INDUSTRY_CODE>
<ENCRYPT>TRUE</ENCRYPT>
<SCMCI_INDICATOR>2</SCMCI_INDICATOR>
</TRANSACTION>
```

#### Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character	Ex: APPROVED: A :AP	Processor response text
RESULT	Character	Ex: APPROVED	This indicates the Result details. Commonly APPROVED or DECLINED.
RESULT_CODE	Numeric	Expected result code:	This indicates the result code. Refer to <a href="#">Result/Error Codes</a> for details.
		<ul style="list-style-type: none"><li>• 5 - Approved (RCHI/CPHI)</li><li>• 6 - DECLINED</li><li>• 59074 - Call for Auth</li></ul>	
RESPONSE_CODE	Character	A and E	Response code data will be returned to POS, same as received from the Host if this is present in Host response. <b>Example:</b> <RESPONSE_CODE>E</RESPONSE_CODE>
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.
POS_RECON	Character		POS reconciliation field echoed back if sent in request. <b>Example:</b> RetailPOS1
COUNTER	Numeric		Echoes counter sent in the request. <b>Example:</b> 100

Field	Type	Value	Description
TRANS_SEQ_NUM	Numeric		Processor/Batch trans sequence number (not meaningful for direct host integrations). For private label transaction (ADS), PT_SEQ_NUM field will be mapped to TRANS_SEQ_NUM and TROUTD fields back to SCA. <b>Example:</b> 000042
INTRN_SEQ_NUM	Numeric		PWC transaction ID (not meaningful for direct host integrations). <b>Example:</b> 000042
TROUTD	Numeric		Transaction routing ID. <b>Example:</b> 123456789. Refer to <a href="#">Responses from Point</a> for more details on TROUTD.
CTROUTD	Numeric		Client-specific Transaction routing ID. <b>Example:</b> 45. Refer to <a href="#">Responses from Point</a> for more details on CTROUTD.
LPTOKEN	Numeric		LP Token is a non-sensitive unique number assigned to each unique card number processed with the UGP gateway. This value will automatically increment by one for each unique card number. This is a conditional field. Refer to <a href="#">Responses from Point</a> section in Message Format. <b>Example:</b> 12357
TOKEN_TYPE	Character		Returns low value token type, if sent as the query request field. This field is applicable for Worldpay Direct only.
TKN_EXPDATE			Token expiration date. May be sent on Payment Transaction or Token Query transaction to override default expiration date assigned to the Token. <b>Example:</b> 07022021
TKN_MATCHING			Matching Token. This is a non-reversible token used for matching purposes. For example, loyalty tracking. <b>Example:</b> 3278483765646148999
EMV_TAGS	Character		This is returned for Early Card Capture payment flows for Non PCI card BIN ranges, only when EMV_TAGS_REQD is sent as Y.
CMRCL_FLAG	Character P (purchase card)		This is returned for Early Card Capture payment flows, when the application analyses the card as Purchase card through the BIN ranges data using CommercialCards.DB. <b>Example:</b> <CMRCL_FLAG>P</CMRCL_FLAG>

Field	Type	Value	Description
TKN_USED		<ul style="list-style-type: none"> <li>• 0 - Token not used</li> <li>• 1 - Token used</li> </ul>	Whether the Token is used.
PAYMENT_MEDIA	Character	Commonly VISA/ MC/ DISC/ AMEX/ DEBIT	Mode of payment. Value returned by device for an offline (SAF) response may differ from online.
PAYMENT_TYPE	Character		Type of payment. <b>Example:</b> CREDIT, GIFT
ACCT_NUM	Numeric		Returned the masked account number. <b>Example:</b> 400555*****0019
AUTH_CODE	Character		Processor authorization number. <b>Example:</b> TA0156
AVAILABLE_BALANCE	Floating point number		Available balance on the card used for transaction. This field will be returned to POS, when the Host returns the Available Balance data. SCA application sends <BALANCE_ENQ> as Host request field and based on the processor, it returns the Available Balance, and SCA will send it back to POS. <b>Example:</b> 0.01
APPROVED_AMOUNT	Floating point number		Amount approved on authorization. <b>Example:</b> 5.00
ORIG_TRANS_AMOUNT	Floating point number		Original transaction amount. <b>Example:</b> 5.00
CARD_ENTRY_MODE	Character		Returns card entry mode values. Refer to Card Entry Mode for details on possible values. <b>Example:</b> Swiped. Refer to <a href="#">Card Entry Mode</a> for more details.
CARDHOLDER	Character		Returns for swiped/insert transactions. <b>Example:</b> MC TEST
CARD_EXP_MONTH	Numeric		Card expiry month. <b>Example:</b> 12
CARD_EXP_YEAR	Numeric		Card expiry year. <b>Example:</b> 20
AVS_CODE	Character		Result of AVS check. <b>Example:</b> Z
CVV2_CODE	Character		Result of CVV2 check. <b>Example:</b> M
MERCHID	Numeric		Merchant ID. <b>Example:</b> 9000000000123
TERMID	Numeric		Terminal ID. <b>Example:</b> 001
SERVER_ID	Numeric		Echoes what is sent in START request. <b>Example:</b> 10
CASHIER_ID	Character		Echoes what is sent in START request. <b>Example:</b> 10

Field	Type	Value	Description
REFERENCE	Character		Returned by some processors. <b>Example:</b> 100007265288
TRACE_CODE	Character		Returned by some processors for tracking purposes. <b>Example:</b> 119517
DEPARTMENT_CODE	Character		Application returns the field on the POS Response. If value of this field gets changed in the host response, then the updated value will be sent to POS.
		Values return:	
MERCH_DECL	Character	<ul style="list-style-type: none"> <li>• 100-AVS MISMATCH</li> <li>• 200-CVV MISMATCH</li> <li>• 300-AVS/CVV MISMATCH</li> </ul>	Merchant decline codes will return when this is configured. It returns when declined by Host due to AVS/CVV mismatch.
		Values return:	
MERCH_REF	Character	<ul style="list-style-type: none"> <li>• AVS MISMATCH</li> <li>• CVV MISMATCH</li> </ul>	Merchant reference will return when this is configured. It returns when declined by Host due to AVS/CVV mismatch.
AUTH_RESP_CODE	Character		Returned by some processors when the transaction is declined. The code is maximum of 19 bytes. <b>Example:</b> 0131
SAF_NUM	Numeric		Returned instead of CTROUTD when transaction has been put in SAF. SAF number is per device. <b>Example:</b> 0008
RECEIPT_DATA	Character		Refer to <a href="#">Receipt Data in Response</a> section for more details.
TRAN_LANG_CODE	Character	<ul style="list-style-type: none"> <li>• en – English</li> <li>• fr – French</li> <li>• es – Spanish</li> </ul>	This field contains the language code for the current transaction which is finalized based on the configured language on terminal and language preference from the card. This field will be returned only whenever the Card data is captured from cardholder during transaction flow. If Language code is not available from card, then terminal language will be returned. This field needs to be added for the below transaction flows.
TRANS_DATE	Character		Transaction date returned. <b>Example:</b> 2016.09.20

Field	Type	Value	Description
TRANS_TIME	Character		Transaction time returned. <b>Example:</b> 09:16:25
TRAINING_MODE	Character	ON or OFF	Conditionally returned when session is in Training Mode.
VSP_CODE	Numeric		If present, returns the VSP code. <b>Example:</b> 100
VSP_RESULTDESC	Character		If present, returns the VSP result description. <b>Example:</b> Success
VSP_TRXID	Numeric		If present, returns the VSP transaction ID. <b>Example:</b> 987696060049091234
PPCV	Character		This field is sent from the Host Response to POS Response, without any change. <b>Example:</b> CBCC.WSI
TRACE_NUM	Numeric		This field is sent from the Host Response. This field contains the Interac Sequence number from the host. <b>Example:</b> 1400040000000004001951
CDD_DATA	Character		Customer Defined Data field is returned in POS response when it is present in the POS request and passed in the host request. <b>Example:</b> <CDD_DATA> INV200471</CDD_DATA>
SIGNATUREDATA	Base 64 encoded data		Signature data.
TRANS_CURRENCY_CODE	Numeric		This is the currency code of the transaction. This field is sent from POS to identify if it is US or Canada transaction. <b>Example:</b> <ul style="list-style-type: none"> <li>For USA, POS response is: &lt;TRANS_CURRENCY_CODE&gt;0840&lt;/TRANS_CURRENCY_CODE&gt;</li> <li>For Canada, POS response: &lt;TRANS_CURRENCY_CODE&gt;0124&lt;/TRANS_CURRENCY_CODE&gt;</li> </ul>

Field	Type	Value	Description
DCC_IND	Numeric	Values:	
		• 1 - Transaction is DCC eligible and cardholder has accepted the option.	DCC Indicator.
		• 2 - Transaction is not eligible for DCC.	
		• 3 - Transaction is DCC eligible yet cardholder has not accepted the option.	
PROMO_SPECIAL_FIN_IND	Character Ex: 02		<p>This field is used to request the promotional APR(s) (Annual Percentage Rate). This field will also contain the result of the promotional requests. This field is also applicable for Post Authorization transactions. As of this publication, this field is applicable for GSC only.</p>
PROMO_APR_FLAG	Character Ex: 10		<p>This field identifies the type of the APR, which will be applied during the promotional period. This field is also applicable for Post Authorization transactions. As of this publication, this field is applicable for GSC only.</p>
PROMO_APR	Character		<p>This field contains the APR, which will be applied during the promotional period. This field is also applicable for Post Authorization transactions. As of this publication, this field is applicable for GSC only.</p>

Field	Type	Value	Description
AFTER_PROMO_FLAG	Character	Ex: 01	This field identifies the type of the APR, which will be applied after the promotional period. This field is also applicable for Post Authorization transactions. As of this publication, this field is applicable for GSC only.
AFTER_PROMO_APR	Character		This field contains the APR, which will be applied after the promotional period. This field is also applicable for Post Authorization transactions. As of this publication, this field is applicable for GSC only.
PROMO_DURATION	Character		This field contains the promo duration. This field is also applicable for Post Authorization transactions. As of this publication, this field is applicable for GSC only.
PROMO_DESCRIPTION	Character		This field contains the promo description. This field is also applicable for Post Authorization transactions. As of this publication, this field is applicable for GSC only.
AUTH_REF_NUMBER	Character	Example: 123456789012345 Or It can be empty	This tag returns in the host response with the value for the particular transaction. This is used by some merchants to refer to the transaction at the host side. Currently this is applicable only for Worldpay processor.
COL_3, COL_4, COL_5, COL_6, COL_7, COL_8, COL_9, COL_10	Character		Column 3 to Column 10 fields value will be echoed in POS response. These fields are not sent to any payment processor.

#### Check

Field	Type	Value	Comments
-------	------	-------	----------

ACH_TRANSACTION_STATUS	Numeric	<ul style="list-style-type: none"> <li>• Hyphen - Error or Referral</li> <li>• 0 - Paper Authorization Only; Keep Check for Deposit / Approved but not ACH eligible</li> <li>• 1 - ACH Approved</li> <li>• 3 - Risk Decline</li> <li>• 4 - Negative Decline</li> </ul>	Check response field conditionally returned in the check transaction Response Packet. If this tag is not present, then the user needs to use the Display Text field information to complete the transaction.
			<ul style="list-style-type: none"> <li>• With value 0, Cheque is not eligible for Electronic Check payment and Completion is not required, and Cheque needs to be deposited.</li> <li>• With value 1, Cheque is eligible for Electronic Check payment, and Completion should be done if the customer selects for this option.</li> </ul>

### Processor-Based Token (Conditional)

Note

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

Field	Type	Value	Comments
CARD_TOKEN	Character		Card token. <b>Example:</b> 7987654321098765. Refer to <a href="#">Card Tokens</a> for more details on this field.
TOKEN_SOURCE	Character		Source of token. <b>Example:</b> PWC
BANK_USERDATA	Character		Bank User Data, normally returned with CARD_TOKEN. Maximum 50 alphanumeric. <b>Example:</b> /CustData`JANE`K`DOE`00`

### Direct to Processor Implementation Response Fields (Conditional)

Note

Not applicable to Point Classic implementations.

Field	Type	Value	Comments
HOST_RESPCODE	Numeric		Will be sent if present in the host response.
MERCHID	Numeric		Merchant ID.

Field	Type	Value	Comments
TERMID	Numeric	Terminal ID.	
LANE	Numeric	This is returned to identify the retail lane.	

#### Duplicate Transaction (Conditional)

Field	Type	Value	Comments
DUPLICATE_TRANSACTION	Character	1 - Duplicate transaction detected	A duplicate transaction is detected if the same card is swiped in the context of two consecutive cashless purchase transactions on the same PIN pad. The DUPLICATECHECK parameter( <a href="#">Application Parameters</a> ) must be enabled on Engage device. Refer to <a href="#">Duplicate Detection</a> for more details on duplicate checking.

#### Stored Credential transaction (Conditional)

##### Note

All the fields are applicable for GSC, however COF\_REFERENCE field applicable for UGP as well. Refer to [Stored Credential transaction](#) for the sample request and response.

Field	Type	Value	Comments
COF_REFERENCE	Character	Maximum length is 50.	The Stored Credential Signup Reference UUID (Universally Unique Identifier) is the reference for the signup request returned for approved stored credential signup transactions. This will be used for the subsequent Stored Credential Charge transaction if returned by the host. This field is also applicable to UGP. SCMCI field is returned from the processor on an Initial transaction (Store Credentials) and the value will be sent in COF_REFERENCE field in POS.
PROCESSOR_TRANS_ID	Character	Maximum length is 128.	The transaction ID used by the processor for the transaction which may be required in a later refund or reversal transaction. This may be used for the subsequent Stored Credential Charge transaction if returned by the host.
COF_ISSUER_AUTH_RESULT	Character	Maximum length is 50.	Issuer authorization result. This may be used for the subsequent Stored Credential Charge transaction if returned by the host.
COF_ACQ_AUTH_RESULT	Character	Maximum length is 50.	Acquirer authorization result. This may be used for the subsequent Stored Credential Charge transaction if returned by the host.

Field	Type	Value	Comments
COF_ACQ_REFERENCE_DATA	Character	Maximum length is 200.	That Acquirer Reference Data that may represent the acquirer transaction identifier. This will be used for the subsequent Stored Credential Charge transaction if returned by the host.
COF_SCHEME_REFERENCE_DATA	Character	Maximum length is 200.	The Scheme Reference Data sent by the acquirer in the authorization response message and sent in a subsequent authorization request messages associated with the same transaction. This may be used for the subsequent Stored Credential Charge transaction if returned by the host.
ACQUIRER_DATETIME	Character	Maximum length is 30.	The date returned in the authorization response message. This will be used for the subsequent Stored Credential Charge transaction if returned by the host.
COF_SETTLEMENT_DATE	Character	Maximum length is 30.	The date that reflects either the desired Merchant settlement date or the actual settlement date depending on where the transaction request is within the payment lifecycle. This may be used for the subsequent Stored Credential Charge transaction if returned by the host.

### 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. <b>Example:</b> <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. <b>Example:</b> <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. <b>Example:</b> <CMD_TIME>70.765</CMD_TIME>

#### Example

Following is an example of request packet - **Without Payment Type**

```
<TRANSACTION>
<FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
<COMMAND>AUTH</COMMAND>
<COUNTER>1</COUNTER>
<MAC> ... </MAC>
<MAC_LABEL>REG2</MAC_LABEL>
<TRANS_AMOUNT>1.00</TRANS_AMOUNT>
<RECURRING>Y</RECURRING>
<BILLPAY>TRUE</BILLPAY>
<OC_INDUSTRY_CODE>M</OC_INDUSTRY_CODE>
<ENCRYPT>TRUE</ENCRYPT>
<SCMCI_INDICATOR>2</SCMCI_INDICATOR>
</TRANSACTION>
```

Following is an example of response packet - **Without Payment Type**

```
<RESPONSE>
<ACCT_NUM>400555*****0019</ACCT_NUM>
<AUTH_CODE>119517</AUTH_CODE>
<APPROVED_AMOUNT>4.50</APPROVED_AMOUNT>
<CARD_ENTRY_MODE>Swiped</CARD_ENTRY_MODE>
<CARDHOLDER>TEST CARD</CARDHOLDER>
<CTROUTD>153</CTROUTD>
<INTRN_SEQ_NUM>34549</INTRN_SEQ_NUM>
<PAYMENT_TYPE>CREDIT</PAYMENT_TYPE>
<PAYMENT_MEDIA>VISA</PAYMENT_MEDIA>
<PPCV>CBCC.WSI</PPCV>
<REFERENCE>100007265288</REFERENCE>
<RESPONSE_TEXT>APPROVED</RESPONSE_TEXT>
<RESULT>APPROVED</RESULT>
<RESULT_CODE>5</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<COUNTER>1</COUNTER>
<TRANS_DATE>2016.04.10</TRANS_DATE>
<TRANS_SEQ_NUM>15</TRANS_SEQ_NUM>
<TRACE_NUM>1400040000000004001951</TRACE_NUM>
<TRANS_TIME>12:24:30</TRANS_TIME>
<TRAN_LANG_CODE>en</TRAN_LANG_CODE>
<TROUTD>34549</TROUTD>
</RESPONSE>
```

Authorize Sample with Capture Card Early Return

Following is an example of **request packet - First leg**

```
<TRANSACTION>
<FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
<COMMAND>AUTH</COMMAND>
<TRANS_AMOUNT>30.00</TRANS_AMOUNT>
<CAPTURECARD_EARLYRETURN>TRUE</CAPTURECARD_EARLYRETURN>
<MANUAL_ENTRY>FALSE</MANUAL_ENTRY>
<PAYMENT_TYPE>CREDIT</PAYMENT_TYPE>
<FORCE_FLAG>FALSE</FORCE_FLAG>
<MAC_LABEL>P_EJIOKG</MAC_LABEL>
<COUNTER>11</COUNTER>
<MAC>ZdjzzG5FYuyzAuPJ1U+gUpfBNCvLIwG7VxZdRj1cWmc=</MAC>
</TRANSACTION>
```

Following is an example of **response packet - First leg**

```
<RESPONSE>
<RESPONSE_TEXT>CAPTURE EARLY CARD NOTIFICATION</RESPONSE_TEXT>
<RESULT>OK</RESULT>
<RESULT_CODE>-1</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<COUNTER>11</COUNTER>
<ACCT_NUM>476134*****0035</ACCT_NUM>
<TRANS_AMOUNT>30.00</TRANS_AMOUNT>
<CARD_EXP_MONTH>**</CARD_EXP_MONTH>
<CARD_EXP_YEAR>**</CARD_EXP_YEAR>
<CARDHOLDER>**</CARDHOLDER>
<PAYMENT_TYPE>CREDIT</PAYMENT_TYPE>
<PAYMENT_MEDIA>VISA</PAYMENT_MEDIA>
<CARD_ENTRY_MODE>Contactless</CARD_ENTRY_MODE>
<INVOICE>123456</INVOICE>
</RESPONSE>
```

Following is an example of **request packet - Second leg**

```
<TRANSACTION>
<FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
<COMMAND>AUTH</COMMAND>
<TRANS_AMOUNT>30.00</TRANS_AMOUNT>
<MANUAL_ENTRY>FALSE</MANUAL_ENTRY>
<PAYMENT_TYPE>CREDIT</PAYMENT_TYPE>
<FORCE_FLAG>FALSE</FORCE_FLAG>
<MAC_LABEL>P_EJIOKG</MAC_LABEL>
<COUNTER>12</COUNTER>
<MAC>QEV5Fo/nxBTA3Rsvm/iyDhWIHI3qEN/0gTXhtvGZPDY=</MAC>
</TRANSACTION>
```

Following is an example of **response packet - Second leg**

```
<RESPONSE>
<RESPONSE_TEXT>
  Duplicate transaction based on account/invoice/amount combination </
```

RESPONSE\_TEXT>  
<RESULT>DECLINED</RESULT>  
<RESULT\_CODE>6</RESULT\_CODE>  
<TERMINATION\_STATUS>SUCCESS</TERMINATION\_STATUS>  
<COMMAND>AUTH</COMMAND>  
<INTRN\_SEQ\_NUM>4016100322</INTRN\_SEQ\_NUM>  
<BATCH\_TRACE\_ID>0a1516d4-d456-4a79-bc80-66b236b953f4</BATCH\_TRACE\_ID>  
<TRANS\_AMOUNT>30.00</TRANS\_AMOUNT>  
<PAYMENT\_MEDIA>VISA</PAYMENT\_MEDIA>  
<PAYMENT\_TYPE>CREDIT</PAYMENT\_TYPE>  
<ACCT\_NUM>476134\*\*\*\*\*0035</ACCT\_NUM>  
<CARDHOLDER>\*\*</CARDHOLDER>  
<BANK\_USERDATA>VISA</BANK\_USERDATA>  
<VSP\_CODE>100</VSP\_CODE>  
<VSP\_RESULTDESC>Success</VSP\_RESULTDESC>  
<VSP\_TRXID>637932047386259687</VSP\_TRXID>  
<CARD\_ABBRV>VI</CARD\_ABBRV>  
<CARD\_ENTRY\_MODE>Contactless</CARD\_ENTRY\_MODE>  
<CARD\_TOKEN>4761\*\*\*\*\*</CARD\_TOKEN>  
<TRAN\_LANG\_CODE>en</TRAN\_LANG\_CODE>  
<CARD\_EXP\_MONTH>\*\*</CARD\_EXP\_MONTH>  
<CARD\_EXP\_YEAR>\*\*</CARD\_EXP\_YEAR>  
<DUP\_ACCT\_NUM>476134\*\*\*\*\*0035</DUP\_ACCT\_NUM>  
<DUP\_AUTH\_CODE>894544</DUP\_AUTH\_CODE>  
<DUP\_CTROUTD>75062</DUP\_CTROUTD>  
<DUP\_INVOICE>123456</DUP\_INVOICE>  
<DUP\_PAYMENT\_MEDIA>VISA</DUP\_PAYMENT\_MEDIA>  
<DUP\_TRANS\_AMOUNT>30.00</DUP\_TRANS\_AMOUNT>  
<DUP\_TRANS\_DATE>2022.07.12</DUP\_TRANS\_DATE>  
<DUP\_TRANS\_TIME>02:38:26</DUP\_TRANS\_TIME>  
<TRAINING\_MODE>OFF</TRAINING\_MODE>  
<EMV\_CVM>SIGNATURE</EMV\_CVM>  
<EMV\_TAG\_4F>A0000000031010</EMV\_TAG\_4F>  
<EMV\_TAG\_50>VISA TEST</EMV\_TAG\_50>  
<EMV\_TAG\_82>0000</EMV\_TAG\_82>  
<EMV\_TAG\_84>A0000000031010</EMV\_TAG\_84>  
<EMV\_TAG\_95>0000000000</EMV\_TAG\_95>  
<EMV\_TAG\_9A>220711</EMV\_TAG\_9A>  
<EMV\_TAG\_9B>0000</EMV\_TAG\_9B>  
<EMV\_TAG\_9C>00</EMV\_TAG\_9C>  
<EMV\_TAG\_5F20>\*\*</EMV\_TAG\_5F20>  
<EMV\_TAG\_5F2A>0840</EMV\_TAG\_5F2A>  
<EMV\_TAG\_5F34>01</EMV\_TAG\_5F34>  
<EMV\_TAG\_9F02>000000003000</EMV\_TAG\_9F02>  
<EMV\_TAG\_9F03>000000000000</EMV\_TAG\_9F03>  
<EMV\_TAG\_9F09>008C</EMV\_TAG\_9F09>  
<EMV\_TAG\_9F10>06011103A00000</EMV\_TAG\_9F10>  
<EMV\_TAG\_9F1A>0840</EMV\_TAG\_9F1A>  
<EMV\_TAG\_9F1E>01501302</EMV\_TAG\_9F1E>  
<EMV\_TAG\_9F21>234216</EMV\_TAG\_9F21>  
<EMV\_TAG\_9F26>1E49203FBAE2FF02</EMV\_TAG\_9F26>  
<EMV\_TAG\_9F27>80</EMV\_TAG\_9F27>  
<EMV\_TAG\_9F33>E068C8</EMV\_TAG\_9F33>  
<EMV\_TAG\_9F34>020000</EMV\_TAG\_9F34>  
<EMV\_TAG\_9F35>22</EMV\_TAG\_9F35>  
<EMV\_TAG\_9F36>4887</EMV\_TAG\_9F36>  
<EMV\_TAG\_9F37>6829DDBF</EMV\_TAG\_9F37>  
<EMV\_TAG\_9F39>07</EMV\_TAG\_9F39>  
<EMV\_TAG\_9F40>7000F05001</EMV\_TAG\_9F40>  
<EMV\_TAG\_9F41>00000003</EMV\_TAG\_9F41>  
<EMV\_TAG\_9F6E>20700000</EMV\_TAG\_9F6E>

## Authorize Sample with Stored Credential Transaction

Following is an example of **Request packet - First leg (Sign up)**

```
<TRANSACTION>
<FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
<COMMAND>AUTH</COMMAND>
<TRANS_AMOUNT>1.00</TRANS_AMOUNT>
<SCMCI_INDICATOR>1</SCMCI_INDICATOR>
<INSTALLMENT>Y</INSTALLMENT>
<MANUAL_ENTRY>FALSE</MANUAL_ENTRY>
<FORCE_FLAG>FALSE</FORCE_FLAG>
</TRANSACTION>
```

Following is an example of **Response packet - First leg (Sign up)**

```
<RESPONSE>
<ACCT_NUM>544400*****2205</ACCT_NUM>
<ACQUIRER_DATETIME>2023-11-18T23:31:32Z</ACQUIRER_DATETIME>
<COF_ACQ_REFERENCE_DATA>
MTAwHDE3MzE1MxwxOTMxNTAcHDEwMBwcQTAwMDE5MzE1MDExMTgcHBwzMzIyMTcxNzMxNTMcMzIyMDAw
```

</COF\_ACQ\_REFERENCE\_DATA>  
<COMMAND>AUTH</COMMAND>  
<APPROVED\_AMOUNT>1.00</APPROVED\_AMOUNT>  
<AUTH\_CODE>193150</AUTH\_CODE>  
<BANK\_USERDATA>MASTERCARD</BANK\_USERDATA>  
<BATCH\_TRACE\_ID>1d708a81-1a30-455f-8e0c-9022f4937166</BATCH\_TRACE\_ID>  
<CARDHOLDER>TEST-VOID/TEST</CARDHOLDER>  
<CARD\_ABBRV>MC</CARD\_ABBRV>  
<CARD\_ENTRY\_MODE>Swiped</CARD\_ENTRY\_MODE>  
<CARD\_EXP\_MONTH>12</CARD\_EXP\_MONTH>  
<CARD\_EXP\_YEAR>24</CARD\_EXP\_YEAR>  
<CARD\_TOKEN>aw97xuLMACC82sj8</CARD\_TOKEN>  
<CTROUTD>1d708a81-1a30-455f-8e0c-9022f4937166</CTROUTD>  
<INVOICE>123456</INVOICE>  
<HOST\_RESPCODE>00</HOST\_RESPCODE>  
<MERCHID>700000013698</MERCHID>  
<PAYMENT\_MEDIA>MASTERCARD</PAYMENT\_MEDIA>  
<PAYMENT\_TYPE>CREDIT</PAYMENT\_TYPE>  
<REFERENCE>332217173153</REFERENCE>  
<RESPONSE\_TEXT>Approved</RESPONSE\_TEXT>  
<RESULT>CAPTURED</RESULT>  
<RESULT\_CODE>5</RESULT\_CODE>  
<COF\_REFERENCE>44b23c8e-a51b-40d6-9c3c-167ce64dad58</COF\_REFERENCE>  
<TERMID>001</TERMID>  
<TERMINATION\_STATUS>SUCCESS</TERMINATION\_STATUS>  
<TOKEN\_SOURCE>INTERNAL</TOKEN\_SOURCE>  
<TRAINING\_MODE>OFF</TRAINING\_MODE>  
<TRANS\_AMOUNT>1.00</TRANS\_AMOUNT>  
<TRANS\_DATE>2023.11.18</TRANS\_DATE>  
<TRAN\_LANG\_CODE>en</TRAN\_LANG\_CODE>  
<TRANS\_TIME>17:31:53</TRANS\_TIME>  
<TRANS\_CURRENCY\_CODE>0840</TRANS\_CURRENCY\_CODE>  
<COUNTER>8</COUNTER>  
<RESPONSE>

Following is an example of **Request packet - Second leg (Charge)**

<TRANSACTION>  
<FUNCTION\_TYPE>PAYMENT</FUNCTION\_TYPE>  
<COMMAND>AUTH</COMMAND>  
<TRANS\_AMOUNT>15.00</TRANS\_AMOUNT>  
<CARD\_EXP\_MONTH>12</CARD\_EXP\_MONTH>  
<CARD\_EXP\_YEAR>24</CARD\_EXP\_YEAR>  
<CARD\_TOKEN>aw97xuLMACC82sj8</CARD\_TOKEN>  
<TOKEN\_SOURCE>INTERNAL</TOKEN\_SOURCE>  
<PAYMENT\_TYPE>CREDIT</PAYMENT\_TYPE>  
<BANK\_USERDATA>MASTERCARD</BANK\_USERDATA>  
<COF\_ACQ\_RESP\_DATETIME>2023-11-18T23:31:32Z</COF\_ACQ\_RESP\_DATETIME>  
<COF\_ACQ\_REFERENCE\_DATA>  
MTAwHDE3MzE1MxwxOTMxNTAChDEwMBwcQTAwMDE5MzE1MDExMTgcHBwzMzIyMTcxNzMxNTMcMzIyMDAw

```
</COF_ACQ_REFERENCE_DATA>
<COF_REFERENCE>44b23c8e-a51b-40d6-9c3c-167ce64dad58</COF_REFERENCE>
<COF_AUTH_CODE>193150</COF_AUTH_CODE>
<SCMCI_INDICATOR>3</SCMCI_INDICATOR>
<RECURRING>Y</RECURRING>
<MANUAL_ENTRY>FALSE</MANUAL_ENTRY>
<FORCE_FLAG>FALSE</FORCE_FLAG>
</TRANSACTION>
```

Following is an example of **Response packet - Second leg (Charge)**

```
<RESPONSE>
<ACQUIRER_DATETIME>2023-11-18T23:37:02Z</ACQUIRER_DATETIME>
<COF_ACQ_REFERENCE_DATA>
MTUwMBwXNzM3MjEcmTkzMtC0HBwXNTAwHBxBMDAwMTkzMtC0MTExOBwCHDMzMjIxNzE3MzcyMRwzMjIw
</COF_ACQ_REFERENCE_DATA>
<COMMAND>AUTH</COMMAND>
<APPROVED_AMOUNT>15.00</APPROVED_AMOUNT>
<AUTH_CODE>193174</AUTH_CODE>
<BANK_USERDATA>MASTERCARD</BANK_USERDATA>
<BATCH_TRACE_ID>fe81c934-913a-481c-9b34-cdbdd80f63b7</BATCH_TRACE_ID>
<CARD_ABBRV>MC</CARD_ABBRV>
<CARD_EXP_MONTH>12</CARD_EXP_MONTH>
<CARD_EXP_YEAR>24</CARD_EXP_YEAR>
<CARD_TOKEN>aw97xuLMACC82sj8</CARD_TOKEN>
<CTROUTD>fe81c934-913a-481c-9b34-cdbdd80f63b7</CTROUTD>
<INVOICE>123456</INVOICE>
<HOST_RESPCODE>00</HOST_RESPCODE>
<MERCHID>700000013698</MERCHID>
<PAYMENT_MEDIA>MASTERCARD</PAYMENT_MEDIA>
<PAYMENT_TYPE>CREDIT</PAYMENT_TYPE>
<REFERENCE>332217173721</REFERENCE>
<RESPONSE_TEXT>Approved</RESPONSE_TEXT>
<RESULT>CAPTURED</RESULT>
<RESULT_CODE>5</RESULT_CODE>
<TERMID>001</TERMID>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<TOKEN_SOURCE>INTERNAL</TOKEN_SOURCE>
<TRAINING_MODE>OFF</TRAINING_MODE>
<TRANS_AMOUNT>15.00</TRANS_AMOUNT>
<TRANS_DATE>2023.11.18</TRANS_DATE>
<TRANS_TIME>17:37:21</TRANS_TIME>
<TRANS_CURRENCY_CODE>0840</TRANS_CURRENCY_CODE>
<RESPONSE>
```

**Authorize Sample with Check Transaction**

Following is an example of **Request packet**

```
<TRANSACTION>
<FUNCTION_TYPE>PAYMENT</FUNCTION_TYPE>
<COMMAND>AUTH</COMMAND>
<PAYMENT_TYPE>CHECK_SALE</PAYMENT_TYPE>
<MANUAL_ENTRY/>
<CHECK_TYPE>0</CHECK_TYPE>
<IDENTITY_CARD_NUMBER>2527521</IDENTITY_CARD_NUMBER>
<TRANS_AMOUNT>1.00</TRANS_AMOUNT>
<MICR>t123456780t 951741854o 1122</MICR>
</TRANSACTION>
```

Following is an example of **Response packet**

```
<RESPONSE>
<COMMAND>AUTH</COMMAND>
<APPROVED_AMOUNT>1.00</APPROVED_AMOUNT>
<AUTH_CODE>1122</AUTH_CODE>
<ACH_TRANSACTION_STATUS>1</ACH_TRANSACTION_STATUS>
<BATCH_TRACE_ID>7f1f1882-bdfc-464e-bca9-39cba0b473fe</BATCH_TRACE_ID>
<CTROUTD>7f1f1882-bdfc-464e-bca9-39cba0b473fe</CTROUTD>
<INVOICE>002137</INVOICE>
<HOST_RESPCODE>07</HOST_RESPCODE>
<MERCHID>01101129</MERCHID>
<POS_RECON>84</POS_RECON>
<REFERENCE>516214144656</REFERENCE>
<RESPONSE_TEXT>Approved</RESPONSE_TEXT>
<RESULT>CAPTURED</RESULT>
<RESULT_CODE>5</RESULT_CODE>
<RETURN_CHECK_FEE>30..00</RETURN_CHECK_FEE>
<TERMID>50004859</TERMID>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<TRAINING_MODE>OFF</TRAINING_MODE>
<TRANS_AMOUNT>1.00</TRANS_AMOUNT>
<TRANS_DATE>2025.06.11</TRANS_DATE>
<TRANS_TIME>14,46,56</TRANS_TIME>
<COUNTER>35</COUNTER>
</RESPONSE>
```