



https://verifone.cloud/docs/sca-functional-specification/receipt_data

Updated: 20-May-2025

Receipt Data in Response

SCA application Receipts section is intended for the merchants, developers and integrators to create their own custom receipts, if the standard template is not fitting their requirements.

The SCA formatted receipt is a format that is already approved by Visa, MasterCard, Discover and American Express respectively, as referred to as the card brands or card networks. Verifone has certified receipts template and transactions with a variety of acquirers with different network routing. As a result, the receipts outlined in the sections below reflect the receipt examples certified by Verifone for SCA application.

Receipt Data

Receipts section describes the receipt elements those can appear in various payment transactions. Receipt printing is governed by PRINTRECEIPTDISABLE parameter to enable printing the receipts. Following are other configuration parameters, which are also required to set for printing the required details on the receipts.

Parameter Name	Description	Valid/Max Values	Default Value
PRINTRECEIPTDISABLE	This parameter is used to enable or disable printing and generating HTML receipts.	<ul style="list-style-type: none">0 - Enable printing1 - Disable printing	0
CUSTOMERCOPY	This parameter is used to enable or disable printing the customer copy of the receipt.	<ul style="list-style-type: none">0 - Do not print1 - Print2 - Prompt	2
MERCHANTCOPY	This parameter is used to enable or disable printing the merchant copy of the receipt.	<ul style="list-style-type: none">0 - Do not print1 - Print	1

Parameter Name	Description	Valid/Max Values	Default Value
PRINTCARDHOLDER	This parameter is used for printing the cardholder's name on the receipts based on the value set for this parameter. The cardholder's name will be masked on the receipt and only the first four characters will be displayed. If the card holder name is less than or equal to four characters, then the entire name will be masked.	<ul style="list-style-type: none"> • 0 - Prints for both Merchant and Customer receipts. • 1 - Prints for Merchant Copy receipt only. • 2 - Prints for Customer Copy receipt only. • 3 - Do not print cardholder's name on the receipts. 	0
RECEIPTLOCATION	This parameter determines where to send printer output (printer or output buffer).	<ul style="list-style-type: none"> • 0 - Printer – Receipt prints on device • 1 - Auto – Receipt data prints on printer, if available. If not, prints on ECR. • 2 - Buffered – Receipt data sent to ECR • 3 - Both – Receipt data prints on device and POS 	2
RECEIPTLINEITEMDISPLAY	This parameter is used to enable or disable printing the line-item data on the receipt.	<ul style="list-style-type: none"> • 0 - Does not print the line item data on the receipt. • 1 - Prints the line item data on the receipt. 	1

Receipt Data in Response

Refer the below table for terminologies and its definitions, those are used in the below image to identify all the sections of the Receipt data structure.

Terms/ Fields	Definitions
<RECEIPT_DATA>	RECEIPT_DATA may contain one or more RECEIPT child elements.

RRECEIPT_DATA Child Elements

Terms/ Fields	Definitions
<RECEIPT>	Each RECEIPT element represents one receipt.

RECEIPT Child Elements

Terms/ Fields	Definitions
<TEXTLINE>	<ul style="list-style-type: none">• TEXTLINES in Receipt Data section are 40 characters in length and space padded string representing exactly one line of a receipt.• Empty elements should be interpreted as a blank line.• Receipt headers/footers are configurable.
Key name	Textlines with field name. From the example below, “Term ID” is the key name. Example: <TEXTLINE>**Term ID**: 002 </TEXTLINE>
Key Values	Textlines with field name and value with it. From the example below, “002” is the value to the key name. Example: <TEXTLINE>Term ID: 002 </TEXTLINE>
Elements X	Textlines with only key values (without key name) are provides as Element 1, 2 and so on, respectively. Refer to Receipts - Textline without Key Name for more details on all the elements from the Receipt Data.

Sample Receipt Data Structure in Response

><RECEIPT_DATA>
 Receipt Data ><RECEIPT>
 Receipt - Child Elements

<TEXTLINE>	Header 1 Text Data	</TEXTLINE>	- (Element 1)
<TEXTLINE>	Header 2 Text Data	</TEXTLINE>	
<TEXTLINE>	Header 3 Text Data	</TEXTLINE>	
<TEXTLINE />			
(Element 2) -	<TEXTLINE>06/25/24	07:14:38</TEXTLINE>	- (Element 3)
	<TEXTLINE>Client ID: 14959200010001	</TEXTLINE>	
	<TEXTLINE>Merchant ID: *****687061	</TEXTLINE>	
	<TEXTLINE>Term ID: 002	</TEXTLINE>	
	<TEXTLINE />		
	<TEXTLINE>	SALE	</TEXTLINE> - (Element 4)
	<TEXTLINE />		
(Element 5) -	<TEXTLINE>*****620011	VISA	</TEXTLINE> - (Element 6)
	<TEXTLINE>Entry Method: Chip Read Contact	</TEXTLINE>	<TEXTLINE> with Key Name and Values
	<TEXTLINE>Appr Code: 58122A	</TEXTLINE>	
	<TEXTLINE>Transaction ID: 341596	</TEXTLINE>	
	<TEXTLINE>Payment Type: CREDIT	</TEXTLINE>	
	<TEXTLINE>Cardholder: UAT *****	</TEXTLINE>	
	<TEXTLINE>Application Pan:*****620011	</TEXTLINE>	
	<TEXTLINE>Invoice: 123456	</TEXTLINE>	
	<TEXTLINE>Mode:Issuer	</TEXTLINE>	
	<TEXTLINE>Result:CAPTURED	</TEXTLINE>	
	<TEXTLINE>Approved Amount:USD \$49.40	</TEXTLINE>	
	<TEXTLINE>Ref: 00500005	</TEXTLINE>	
	<TEXTLINE>Response: CAPTURED	</TEXTLINE>	
	<TEXTLINE>Approved: Online	</TEXTLINE>	
	<TEXTLINE>CID Code:0x80 (ARQC)	</TEXTLINE>	(Element 7) EMV Tags
	<TEXTLINE>Visa Credit	</TEXTLINE>	
	<TEXTLINE>SEQUENCE: 00000001	</TEXTLINE>	
	<TEXTLINE>AID: A0000000031010	</TEXTLINE>	
	<TEXTLINE>TVR: 8000088000	</TEXTLINE>	
	<TEXTLINE>TSI: 6800	</TEXTLINE>	
	<TEXTLINE>AC: DF5460947E1BA019	</TEXTLINE>	
	<TEXTLINE>IAD: 06010A03A0A800	</TEXTLINE>	
	<TEXTLINE />		
	<TEXTLINE>Amount:	\$ 44.00	</TEXTLINE>
	<TEXTLINE>Tip:	\$ 4.40	</TEXTLINE>
	<TEXTLINE>Surcharge:	\$ 1.00	</TEXTLINE>
	<TEXTLINE />		
	<TEXTLINE>Total:	USD \$ 49.40	</TEXTLINE>
	<TEXTLINE />		
	<TEXTLINE>X		</TEXTLINE> - (Element 8)
	<TEXTLINE>	UAT *****	</TEXTLINE> - (Element 9)
	<TEXTLINE />		
	<TEXTLINE>	No Refunds	</TEXTLINE> - (Element 10)
	<TEXTLINE>	Store Credit Only	</TEXTLINE> - (Element 11)
	<TEXTLINE>	Merchant Copy	</TEXTLINE> - (Element 12)
	<TEXTLINE />		
</RECEIPT>			
</RECEIPT_DATA>			

An elaborate detail on Receipt data, Textlines with elements and empty Textlines (like Element 1, 2...) on the Receipts are provided in the following respective tables:

Receipts - Textline with Key Name

TEXTLINE - Key Name		Example	Descriptions
Client ID	17345800010001		Client ID, which is used to communicate with PWC. PRINTCID parameter should be set to the required value to print client ID on the receipt. NOTE: Client ID is specific to UGP solution.
Merchant ID	xxxxxxxx3998		Merchant ID. PRINTMID parameter should be set to the required value to print merchant ID on the receipt. NOTE: For UGP, the value set in MASK_RECEIPT parameter decides on masking the merchant ID length.
Term ID	1126076		Terminal ID. PRINTTID parameter should be set to the required value to print client ID on the receipt.
Entry Method	<ul style="list-style-type: none"> • Swipe • Chip Read Contactless • Chip Read Contact • Manual 		The card entry mode.
Appr Code	160669		This is authorization code as returned in AUTH_CODE field.
Transaction ID	242981		Here transaction ID is CTROUTD is a sequence number for PAYMENT transactions (always enabled) that is generated per Client ID. Each Client ID has its own CTROUTD sequence counter.
Payment Type	CREDIT / DEBIT / GIFT / EBT		This is payment card type as returned in PAYMENT_TYPE field.
Cardholder	MC B*****		Cardholder Name. This field can be configured using PRINTCARDHOLDER parameter value should be set to print the cardholder's name on the receipt. This is returned as EMV tag 5F20. NOTE: This is for EMV Contact only.
Application Pan	xxxxxxxxxxxx0203		Account number.
Invoice	123456		Merchant invoice number.
Mode	Issuer		The issuer or card (ONLINE or OFFLINE) that is returned in EMV_MODE field. This is for EMV Contact and CTLS.
Result	CAPTURED/ VOIDED/ DECLINED		The result field of the transaction response.
Net ID	03		This value is returned in AUTHNWID field. This field will be returned if present in the response from the host.

TEXTLINE - Key Name		Example	Descriptions
Net Name	MASTERCARD		This value is returned in AUTHNNAME field. This field will be returned if present in the response from the host.
Approved Amount	USD \$1.00		This is the approved amount for the transaction.
Ref	000000000028		Reference number mostly returned by some processors.
Response	APPROVAL - 000		This is response text, returned in RESPONSE_TEXT field.
Approved Total	Online USD \$ 2.00		The transaction is approved online. Total transaction amount.
Tip	\$ 4.40		Tip amount. Device will prompt to enter the Tip amount, if TIP parameter is set to PROMPT.
Surcharge	\$ 1.00		Surcharge amount to be select. Device will prompt to enter the surcharge amount, if SURCHARGE parameter is set to Transaction value.
CID Code	0x80 (ARQC)		Cryptogram Info Data. This is returned as EMV tag 9F27.
SEQUENCE	00000002		Transaction Sequence Counter. This is returned as EMV tag 9F41.
AID	A0000000041010		Terminal Application Identifier (AID - Term). This is returned as EMV tag 9F06.
TVR	0000008001		Terminal Verification Results (TVR). This is returned as EMV tag 95.
TSI	E800		Transaction Status Indicator (TSI). This is returned as EMV tag 9B.
AC	8E5E0BD3062642B1		Application Cryptogram. This is returned as EMV tag 9F26.
IAD	0110A04009220400000000000000000000FF		Issuer Application Data (IAD). This is returned as EMV tag 9F10.
TTQ	0E70		Terminal Transaction Qualifiers
ARC/Decline Code	Z1		Auth Response Code. This is returned as EMV tag 8A.
AIP	1980		Application Interchange Profile. This is returned as EMV tag 82.
Tran Date	230726		Terminal Transaction Date. This is returned as EMV tag 9A.
Tran Type	20		Cryptogram Transaction Type. This is returned as EMV tag 9C.
Tran currency Code	0840		Currency Code. This is returned as EMV tag 5F2A.

TEXTLINE - Key Name	Example	Descriptions
Auth Amount	000002510000	Authorized Amount. This is returned as EMV tag 9F02.
Other Amount	000000000000	EMV Cashback Amount. This is returned as EMV tag 9F03.
Terminal App Version	0002	Terminal App version number. This is returned as EMV tag 9F09.
Term Country Code	0840	Terminal Country Code. This is returned as EMV tag 9F1A.
Device Serial Number	06557648	Interface Device (IFD) Serial Number. This is returned as EMV tag 9F1E.
Term Capabilities	E00800	Terminal Capabilities. This is returned as EMV tag 9F33.
CVM Results		CVM Result. This is returned as EMV tag 9F34.
Terminal Type	22	Terminal Type. This is returned as EMV tag 9F35.
ATC	04A9	Application Transaction Counter. This is returned as EMV tag 9F36.
Unpredictable Number	72C1C0AC	Unpredictable Number. This is returned as EMV tag 9F37.
TAC Decline	0000000000	Terminal Action Code - Denial
TAC Online	CC50848800	Terminal Action Code - Online
TAC Default	CC50848800	Terminal Action Code - Default

Gift

TEXTLINE - Key Name	Example	Descriptions
Client ID	17345800010001	Client ID, which is used to communicate with PWC. PRINTCID parameter should be set to the required value to print client ID on the receipt.
Account Number	xxxxxxxxxxxx0203	Masked account number. MASK parameter should be set to the required value.
Entry Method	Swipe/Manual	The card entry mode value
Transaction ID	242981	Here transaction ID is CTROUTD is a sequence number for PAYMENT transactions (always enabled) that is generated per Client ID. Each Client ID has its own CTROUTD sequence counter.
Payment Type	GIFT	This is payment card type as returned in PAYMENT_TYPE field.
Invoice	123456	Merchant invoice number.
Appr Code	160669	This is authorization code as returned in AUTH_CODE field.
Cardholder	HGUPP	Cardholder's name. Cardholder's name will appear on the receipt by setting PRINTCARDHOLDER parameter.

TEXTLINE - Key Name	Example	Descriptions
Result	CAPTURED/ VOIDED/ DECLINED	The result field of the transaction response.
Approved Amount	USD \$0.00	This is the approved amount for the transaction.
Response	INVALID TRANSACTION CODE	This is response text, returned in RESPONSE_TEXT field.
Avail Balance	\$ 464.00	Available or remaining balance in the card.

EBT

TEXTLINE - Key Name	Example	Descriptions
Client ID	14959200010001	Client ID.
Merchant ID	xxxxxxxx7061	Merchant ID. PRINTMID parameter should be set to the required value to print merchant ID on the receipt. NOTE: For UGP, the value set in MASK_RECEIPT parameter decides on masking the merchant ID length.
Term ID	1126076	Terminal ID. PRINTTID parameter should be set to the required value to print client ID on the receipt.
Account Number	xxxxxxxxxxxx0203	Masked account number. MASK parameter should be set to the required value.
Entry Method	Swipe/Manual	The card entry mode value
Appr Code	004312	This is authorization code as returned in AUTH_CODE field.
Transaction ID	340109	Here transaction ID is CTROUTD is a sequence number for PAYMENT transactions (always enabled) that is generated per Client ID. Each Client ID has its own CTROUTD sequence counter.
Payment Type	EBT	This is payment card type as returned in PAYMENT_TYPE field.
Invoice	123456	Merchant invoice number.
Result	CAPTURED/ VOIDED/ DECLINED	The result field of the transaction response.
Approved Amount	USD \$6.00	This is the approved amount for the transaction.
Ref	00500002	Reference number mostly returned by some processors.
Response	CAPTURED	This is response text, returned in RESPONSE_TEXT field.
Approved	Online/Offline	The transaction is approved online.
Available Balance		Available or remaining balance in the card.
Food Stamps	\$ 555.55	Amount eligible for Food Stamps EBT.
Cash Benefit	\$ 222.22	Amount eligible for Cash Benefits EBT.
Total	USD \$ 6.00	Transaction amount deducted from cardholder's limit.

Receipts - Textline without Key Name

TEXTLINE

- Key Values	Example	Descriptions
Element 1		Header line 1 to 6. The receipt header lines are configurable using HEADER1, HEADER2, HEADER3, HEADER4, HEADER5 and HEADER6 parameters. Refer to Merchant Parameters table for more details on these parameters.
Element 2	06/25/24	Transaction date, returns in TRANS_DATE field.
Element 3	07:14:38	Transaction time, returns in TRANS_TIME field.
Element 4	Sale/COMPLETION/Refund/Void/Activation/BALANCE/ADD VALUE	Transaction type, returns as COMMAND name.
Element 5	xxxxxxxxxx620011	Masked account number. MASK parameter should be set to the required value.
Element 6	VISA	Card Scheme.
Element 7	Mastercard	Application Preferred Name. This is returned as EMV tag 9F12.
Element 8	X_____ / - PIN VERIFIED / NO SIGNATURE REQUIRED	<ul style="list-style-type: none"> • Signature - Signature section for the validation of card. If SIGNATURECAPTURE parameter is enabled, then signature option will prompt on the device. • PIN VERIFIED - Transaction is verified by entering PIN. • NO SIGNATURE REQUIRED - Transaction does not require signature verification, which is based on the value set for SignatureLimitAmount parameter per card scheme.

TEXTLINE
- KeyValues

Example

Descriptions

Element 9 UAT *****

Cardholder's name in mask and is located under the Signature line. Cardholder's name will appear on the receipt by setting PRINTCARDHOLDER parameter.

Element 10 No Refunds

Statement for the refund policy. This is configured using REFUNDPOLICY1 parameter.

Element 11 Store Credit Only

Statement for the refund policy. This is configured using REFUNDPOLICY2 parameter.

Element 12 Merchant Copy/ Customer Copy

Identifies as Merchant copy or Customer copy.

Sample Receipts - Sale

Merchant Copy

Customer Copy

Verifone Vantiv EMV Test
123 ABC Street
ALPHARETTA, GA 30022

06/19/24 06:04:37
Client ID: 14959200010001
Merchant ID: *****7061
Term ID: 002

SALE

*****0203 MASTERCARD
Entry Method: Chip Read Contact
Appr Code: 550889
Transaction ID: 340114
Payment Type: CREDIT
Cardholder: MC B*****
Application Pan:*****0203
Invoice: 123456
Mode:Issuer
Result:CAPTURED
Approved Amount:USD \$3.00
Ref: 50500004
Response: CAPTURED
Approved: Online
CID Code:0x80 (ARQC)
Mastercard
SEQUENCE: 00000001
AID: A0000000041010
TVR: 0000088000
TSI: E800
AC: DEA01551AEE7CD6A
IAD: 0110A040092200000000000000000000
0000FF

Amount:	\$	2.00
Surcharge:	\$	1.00
Total:	USD \$	3.00

X _____
MC B*****

No Refunds
Store Credit Only
Merchant Copy

Verifone Vantiv EMV Test
123 ABC Street
ALPHARETTA, GA 30022

06/19/24 06:04:38
Client ID: 14959200010001
Merchant ID: *****7061
Term ID: 002

SALE

*****0203 MASTERCARD
Entry Method: Chip Read Contact
Appr Code: 550889
Transaction ID: 340114
Payment Type: CREDIT
Cardholder: MC B*****
Application Pan:*****0203
Invoice: 123456
Mode:Issuer
Result:CAPTURED
Approved Amount:USD \$3.00
Ref: 50500004
Response: CAPTURED
Approved: Online
CID Code:0x80 (ARQC)
Mastercard
SEQUENCE: 00000001
AID: A0000000041010
TVR: 0000088000
TSI: E800
AC: DEA01551AEE7CD6A
IAD: 0110A040092200000000000000000000
0000FF

Amount:	\$	2.00
Surcharge:	\$	1.00

Total:	USD \$	3.00
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No Refunds
Store Credit Only
Customer Copy

Sample Receipts - EBT Balance

Merchant Copy

Customer Copy

Verifone Vantiv EMV Test
123 ABC Street
ALPHARETTA, GA 30022

06/19/24 05:31:52
Client ID: 14959200010001
Merchant ID: *****7061
Term ID: 002

BALANCE

Cash Benefit EBT
*****0005
Entry Method: Swipe

Appr Code: 002784 Batch: 171001
Payment Type: EBT
Result: APPROVED
Approved Amount: USD \$0.00
Invoice: 123456
Response: APPROVED
Approved: Online

Avail Balance: \$ 0.00

Available Balance:
Food Stamps \$ 555.55
Cash Benefit \$ 222.22

Merchant Copy

Verifone Vantiv EMV Test
123 ABC Street
ALPHARETTA, GA 30022

06/19/24 05:31:52
Client ID: 14959200010001
Merchant ID: *****7061
Term ID: 002

BALANCE

Cash Benefit EBT
*****0005
Entry Method: Swipe

Appr Code: 002784 Batch: 171001
Payment Type: EBT
Result: APPROVED
Approved Amount: USD \$0.00
Invoice: 123456
Response: APPROVED
Approved: Online

Avail Balance: \$ 0.00

Available Balance:
Food Stamps \$ 555.55
Cash Benefit \$ 222.22

Customer Copy

Sample Receipt Data

- [Sale - EMV CTLS](#)
- [Sale - EMV Contact](#)
- [Sale - MSR](#)
- [Sale - EMV Contact with Signature](#)
- [Sale - MSR with Signature](#)
- [Sale - Manual Entry](#)
- [Sale - Debit - EMV Contact](#)
- [Sale - Decline \(MSR\)](#)
- [Sale - Decline \(EMV\)](#)
- [Sale - Completion](#)
- [Refund - EMV Contact](#)
- [Refund - MSR](#)
- [Refund - Decline \(EMV\)](#)
- [Void - Sale](#)
- [Void - Refund](#)
- [Receipt Sample: Gift - Activate](#)
- [Gift - Activation \(Declined\)](#)

- [Gift - Add Value \(Declined\)](#)
- [Gift - Balance Inquiry \(Manual\)](#)
- [Gift - Balance Inquiry \(MSR\)](#)
- [Gift - Sale \(MSR\)](#)
- [Gift - Sale \(Manual\)](#)
- [Gift - Refund \(MSR\)](#)
- [Gift - Refund \(Manual\)](#)
- [Gift - Void](#)
- [EBT - Sale \(Cash Benefit\)](#)
- [EBT - Sale \(Food Stamps\)](#)
- [EBT - Balance Inquiry](#)