

POS INTEGRATION SPECIFICATION

Version 1.1.3

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OMNIPAY TECH

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REVISION HISTORY

Version	Date	Comments	Author	Approved By
1.0.0	11-03-2021	Initial Version	Guhan M	Abu
1.0.1	11-09-2021	Revised Version	Guhan M	Abu
1.0.2	15-12-2021	Revised Version	Guhan M	Abu
1.0.3	28-04-2022	Revised Version	Guhan M	Abu
1.0.4	27-07-2022	Revised Version	Kalaiselvi R	Guhan M
1.0.5	22-08-2022	Revised Version	Kalaiselvi R	Guhan M
1.0.6	31-01-2023	Revised Version	Kalaiselvi R	Guhan M
1.0.7	24-10-2023	Revised Version	Nagarajan M	Kalaiselvi R
1.0.8	19-03-2024	Revised Version	Jayaprakash R	Kalaiselvi R
1.0.9	28-06-2024	Revised Version	Jayaprakash R	Kalaiselvi R
1.1.0	22-08-2024	Revised Version	Jayaprakash R	Kalaiselvi R
1.1.1	26-09-2024	Revised Version	Karthikeyan R / Ajith R	Kalaiselvi R
1.1.2	01-10-2024	Revised Version	Jeevitha N	Kalaiselvi R
1.1.3	20-02-2025	Revised Version	Jayaprakash R	Kalaiselvi R

INTRODUCTION

This Specification document covers the list of transactions and API which requires you to connect and perform transactions from CLOUD Terminals.

CONNECTION

- **OMNIPAYTECH** POS is currently designed to connect with **CLOUD CONNECT** connection.
- For the connection type is specified **TCP, Websocket & Cloud**

TCP & WEB SOCKET

- **OMNIPAYTECH** POS Integration application will work only in ETHERNET and WIFI Terminals.
- POS Integration flag must be enabled in **CLOUD TMS** and download Parameter in **OMNIPAYTECH** application
- After Successful reboot POS will display an IP address with "Server is Waiting for Transaction" message and It's waiting for the REQUEST from Client.
- Users need to enter that IP in client application and Port Value as "5000".

CLOUD

- **OMNIPAYTECH** POS Integration application will work in ETHERNET, WIFI & GPRS Terminals
- Cloud Connect cloud flag must be enabled in **CLOUD TMS** and download parameter in **OMNIPAYTECH** application.
- After Successful reboot POS will connect to Cloud Connect cloud Server with "Waiting for Cloud Connect" cloud message and It's waiting for the REQUEST from Client.
- If the message is not shown in POS after successful reboot. Please Press the "**Start VC**" menu under Favorites in POS to connect terminal with Cloud Connect cloud and to wait for the REQUEST from client.
- Once the REQUEST has been sent from Client to POS, Client should require waiting for 180 Seconds to get the RESPONSE from the POS.

REQUEST DATA TAGS

TRAN_MODE

CREDIT	1
DEBIT	2
EBT FOOD	3
EBT CASH	4
GIFT CARD	5
CASH	6
FETCH TRANSACTION	0 (Void, Tip Adjust, Ticket, Settlement & Reprint Receipt, Reports)
CANCEL TRANSACTION	99
CUSTOMIZE_PROMPT	98
CUSTOMIZE_RECEIPT	97

TRAN_CODE

SALE	1
VOID	2
PREAUTH	3
TICKET (COMPLETION)	4
REFUND	5
EBT VOUCHER SALE	6 (Only for EBT FOOD)
EBT FOOD BALANCE	8 (Only for EBT FOOD)
EBT CASH BALANCE	8 (Only for EBT CASH)
SETTLEMENT	9
REPRINT	11
TIP ADJUSTMENT	20
BALANCE INQUIRY	38
WITH DRAWL	44 (Only for EBT CASH)
GIFT CARD ACTIVATION	49
GIFT CARD DEACTIVATION	50
GIFT ADD VALUE	51
REPORTS	12
POST AUTH	64

Note:

OMNIPAYTECH POS application will skip home screen (CREDIT, DEBIT, EBT etc) selection if proper combination of **TRAN_MODE** and **TRAN_CODE** received from client. Otherwise, Terminal will prompt users to select Transaction and Transaction Code from **OMNIPAYTECH** Home Screen. Some valid Transaction Mode and Transaction Code Combination

CREDIT SALE	{"TRAN_MODE":"1", "TRAN_CODE":"1"}
CREDIT REFUND	{"TRAN_MODE":"1", "TRAN_CODE":"5"}
CREDIT PREAUTH	{"TRAN_MODE":"1", "TRAN_CODE":"3"}
VOID	{"TRAN_MODE":"0", "TRAN_CODE":"2"}
TIP ADJUSTMENT	{"TRAN_MODE":"0", "TRAN_CODE":"20"}
TICKET (COMPLETION)	{"TRAN_MODE":"0", "TRAN_CODE":"4"}
CREDIT REFUND	{"TRAN_MODE":"1", "TRAN_CODE":"5"}
DEBIT SALE	{"TRAN_MODE":"2", "TRAN_CODE":"1"}
DEBIT REFUND	{"TRAN_MODE":"2", "TRAN_CODE":"5"}

EBT FOOD SALE	{"TRAN_MODE":"3", "TRAN_CODE":"1"}
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EBT VOUCHER SALE	{"TRAN_MODE":"3", "TRAN_CODE":"6"}
EBT FOOD BALANCE	{"TRAN_MODE":"3", "TRAN_CODE":"8"}
EBT FOOD REFUND	{"TRAN_MODE":"3", "TRAN_CODE":"5"}
EBT CASH SALE	{"TRAN_MODE":"4", "TRAN_CODE":"1"}
EBT CASH BALANCE	{"TRAN_MODE":"4", "TRAN_CODE":"8"}
EBT WITHDRAWAL	{"TRAN_MODE":"4", "TRAN_CODE":"44"}
CASH SALE	{"TRAN_MODE":"6", "TRAN_CODE":"1"}
CASH REFUND	{"TRAN_MODE":"6", "TRAN_CODE":"5"}
GIFT CARD SALE	{"TRAN_MODE":"5", "TRAN_CODE":"1"}
GIFT CARD ACTIVATION	{"TRAN_MODE":"5", "TRAN_CODE":"49"}
GIFT CARD DEACTIVATION	{"TRAN_MODE":"5", "TRAN_CODE":"50"}
BALANCE ENQUIRY	{"TRAN_MODE":"5", "TRAN_CODE":"38"}
GIFT ADDVALUE	{"TRAN_MODE":"5", "TRAN_CODE":"51"}
REPORTS	{"TRAN_MODE":"0", "TRAN_CODE":"12"}
CANCEL TRANSACTION (Clear the previous payload process in terminal)	{"TRAN_MODE":"99"}
POST AUTH	{"TRAN_MODE":"1", "TRAN_CODE":"64"}
CUSTOMIZE_PROMPT	{"TRAN_MODE":"98"}
CUSTOMIZE_RECEIPT	{"TRAN_MODE":"97"}

AMOUNT

- Transaction Amount With cent notation, for e.g., one dollar is 100.
- Terminal will display amount confirmation screen based on CLOUD TMS Flag.

TRAN_NO

CARD_NO

- **OMNIPAYTECH** requires **TRAN_NO** or **CARD_NO** one input to Perform Void, Tip Adjust and Ticket (Completion) Transactions.
- **TRAN_NO** is Printed in Charge Slip in the name of "Trans" and **CARD_NO** is the Last 4 Digits of Masked Pan.

VOID_CONFIRMATION

- Optional Data. Only Used for VOID Transactions (1- Enable/0- Disable).
- **OMNIPAYTECH** application will display a confirmation screen with Amount, Masked Pan etc. Users must press OK before sending VOID request to server.
- **VOID_CONFIRMATION** Flag will enable or disable that confirmation screen based on client Application Request Tag.
- If **VOID_CONFIRMATION** Value is "1" **OMNIPAYTECH** application will prompt confirmation from user otherwise **OMNIPAYTECH** application will process VOID without any user interaction.

TIP_CONFIRMATION

- **OMNIPAYTECH** application will display a confirmation screen with Amount, Masked Pan etc. Users must press OK before sending **TIP ADJUSTMENT** request to server.
- **TIP_CONFIRMATION** Flag will enable or disable that confirmation screen based on client Application Request Tag (1- Enable/0- Disable).
- If **TIP_CONFIRMATION** Flag Value is "1" **OMNIPAYTECH** application will prompt confirmation from user otherwise **OMNIPAYTECH** application will process **TIP ADJUSTMENT** without any user interaction.

TICKET_CONFIRMATION

- **OMNIPAYTECH** application will display a confirmation screen with **Amount, Masked Pan** etc. User must press OK before sending **TICKET (COMPLETION)** request to server
- **TICKET_CONFIRMATION** Flag will enable or disable that confirmation screen based on client Application Request Tag (1- Enable/0- Disable).
- If **TICKET_CONFIRMATION** Value is "1" **OMNIPAYTECH** application will prompt confirmation from user otherwise **OMNIPAYTECH** application will process **TICKET (COMPLETION)** without any user interaction.

TIP_ENTRY

- Optional Tag. Used only in **SALE** and **TICKET (COMPLETION)**.
- This flag is used to prompt Online Tip while performing **SALE** and **TICKET (COMPLETION)** Transactions.
- Tip Flag Must be Enabled in **CLOUD TMS**. **TIP_ENTRY** will work only if TIP Flag & TIP on Screen option Enabled in **CLOUD TMS** and **TIP_ENTRY** Flag must present in Client Application Request Tag (1- Enable/0- Disable).
- Used Only in CREDIT, DEBIT and GIFT Transaction modes.

SIGNATURE

- This flag is used to Prompt Signature in Terminal Screen while performing Transactions (1- Enable/0- Disable).
- E-Mail/Print Receipt flag Must be enabled in **CLOUD TMS. SIGNATURE** Flag will work only when E-Mail/Print Receipt Flag Enabled in **CLOUD TMS** and **SIGNATURE** Flag must present in Client Application Request Tag (1- Enable/0- Disable).
- If any flag disabled an empty Signature line will be printed in charge slip.
- This flag won't work for **QSR** Transactions. Empty Signature line will be printed in charge slip in this case.

MOBILE_ENTRY

- This flag is used to display Mobile number screen with **SMS** and **PRINT** Options (1- Enable/0- Disable).
- If this flag disabled in Client Application **OMNIPAYTECH** won't show mobile number screen even if Mobile and Print Option enabled in **CLOUD TMS**.

PAPER_RECEIPT

- Flag for Receipt Outcome. Whether charge slip needs to be printed on paper or charge slip needs to be sent as SMS.
- Possible Values

0 OR 3	• Receipt Concept will Work based on CLOUD TMS Configuration
1	• Only Electronic Receipt
2	• Only Paper Receipt

- If **PAPER_RECEIPT** is 0 or 3
SMS Receipt and Print Receipt will work as per CLOUD TMS Configuration. If both flags are enabled terminal will display SMS and EMAIL Receipt Options. Otherwise, SMS or Print Receipt option will display.
- If **PAPER_RECEIPT** is 1
Client Application requested to display only **SMS** Receipt Option in Mobile Number Screen. In this case the **SMS** Receipt Option must be enabled in **CLOUD TMS**. Otherwise, **OMNIPAYTECH** application won't display Mobile Number screen.
- If **PAPER_RECEIPT** is 2
Client Application requested to display only **PRINT** Receipt Option in Mobile Number Screen. In this case **the PRINT** Receipt Option must be enabled in CLOUD TMS. Otherwise, **OMNIPAYTECH** application won't display Print Option in Mobile Number screen. Terminal will display Mobile Number screen If SMS Receipt is enabled in **CLOUD TMS** and **PAPER_RECEIPT** Value is 2.

MOBILE_NUMBER

- Mobile Number input from Client Application.
- Terminal will display mobile number screen with default mobile number input received from client application. In this case **MOBILE_ENTRY** flag must be enabled in client application and SMS Receipt option must be enabled in **CLOUD TMS**.

VAS_LABEL1/ VAS_LABEL2

VAS_DATA1/ VAS_DATA2

- Flag to prompt Additional data Entry in POS Terminals
- **OMNIPAYTECH** Application print Additional data in Charge Slip if any additional input received from client application.
Ex:
VAS_LABEL1: "Employee-Name"
VAS_LABEL2: "Employee-No"
VAS_DATA1: "Jones"
VAS_DATA2: "1026"
- If client application doesn't send any additional input **OMNIPAYTECH** application Will prompt additional input based on **CLOUD TMS**.
- **CLOUD TMS** have the option to enable Addon to input Entry (maximum 2). Users can choose input type as Numeric, Alphanumeric based on their convenience and max length for **VAS_LABEL** is 16 Characters & **VAS_DATA** is 16 characters.
- **OMNIPAYTECH** application will return the same data back to client application.

CANCEL_CONFIRMATION

- This flag is used to prompt the confirmation when the user pressed the cancel button. (1- Enable/0- Disable).
- **POS** will not prompt any confirmation while pressing cancel button and if value of this flag **CANCEL_CONFIRMATION** is "0".

SETTLE_CONFIRMATION

- This flag is used to prompt the confirmation while processing settlement (1- Enable/0- Disable).
- **POS** will not prompt any confirmation message while performing settlement and if value of this flag **SETTLE_CONFIRMATION** is "0".

TIP_AMOUNT

- Optional Tag. Used only in **SALE, TICKET (COMPLETION)** and **TIP ADJUSTMENT**.
- If Tip Amount input from Client Application,
Terminal will proceed with TIP amount input received from client application.
In this case **TIP_ENTRY** flag must be enabled in client application and TIP option must enabled in **CLOUD TMS**.

TIP_EDITABLE

- Optional Tag. Used only in **SALE, TICKET (COMPLETION)** and **TIP ADJUSTMENT**.
- **TIP_EDITABLE** tag value input from Client Application.
Request Tag (1- Enable/0- Disable).
- This tag will be used only when the **TIP_AMOUNT** is received from client application.
- Terminal will proceed with TIP amount and TIP editable input received from client application.
In this case **TIP_ENTRY** flag must be enabled in client application and TIP option & TIP on Screen option must be enabled in **CLOUD TMS**.
- If terminal received TIP editable tag value as 1 from client application,
Terminal would display the TIP amount which was received from client in TIP screen.
Users can edit the TIP amount.
Otherwise, terminal proceed with the TIP amount without popup in TIP screen.

WARNING_CONFIRM

- This flag is used to prompt the warning message when the user doing **TIP ADJUSTMENT** transaction if the user has already given the tip for the original transaction.
Enable/0- Disable).
- POS will not prompt a warning message while doing **TIP ADJUSTMENT** transaction and if value of this flag **WARNING_CONFIRM** is "0".

SERIAL_NO

- POS will validate and it will send the response as "Invalid Serial Number", if value of **SERIAL_NO** tag requested from the client does not match the terminal serial number.

CASHBACK_AMOUNT

- Optional Tag. Used only in **DEBIT** and **EBT SALE**.
- Cashback Amount input from Client Application.
- Terminal will proceed with Cashback amount input received from client application. In this case the **CASHBACK ON DEBIT CARDS** option must be enabled in **CLOUD TMS**.
- POS will validate and throw the error "**Cashback value. Max Reached...!!!**" when the received cashback amount is more than Maximum Cashback amount which is mentioned in **Cloud TMS**.

EMAIL

- Email id input from Client Application.
- This value is used to get the transaction details from the given mail id.

INVOICENUMBER

- INVOICENUMER input from Client Application.
- This value is used to get the transaction details from the given INVOICENUMER.

lineitems

- POS will prompt and print the list of line items which are received from client application.
- This option includes the tags below.
 - "product_code": "Item name",
 - "quantity": "Item quantity",
 - "total": "Cost of the Item"
- Max length of "product_code" is **12** characters, "total" is **7** characters, "quantity" is up to 3 characters.

DISPLAY_ITEM

- This flag used to display the line items which is received from client application. (1- Enable/0- Disable).
- POS will not display the line items details while doing transaction and if value of this flag **DISPLAY_ITEM** is "0".

addressDetails

- Billing and Shipping address details input from the Client Application.
- This option includes the tags below.
 - "customerName": "Billing/Shipping Customer Name",
 - "streetNo": "Street Number of the Billing/Shipping Customer",
 - "streetName": "Street Name of the Billing/Shipping Customer"
 - "streetUnit": "detail of Billing/Shipping Customer",
 - "city": "city of the Billing/Shipping Customer",
 - "state": "state of the Billing/Shipping Customer",
 - "zipcode": "zipcode of the Billing/Shipping Customer",
- Max length is 32 characters for all the sections in addressDetails.

DISCOUNT_LIST

- POS will print the list of discount options with the discount amount which is received from client application.
- This option includes the tags below.
 - "discountName": "Discount name",
 - "cost": "Discount percentage / amount",
 - "amountType": "0(Percentage) / 1(Flat amount)"
 - "discountValue": "Discounted Amount"
- Max length of "discountName" is 25 characters, "cost " is 7 characters

AMT_CONFIRM

- This flag is used to display the Amount confirmation screen which is received from client application. (1- Enable/0- Disable).
- Applicable only for **completion** and **tip adjustment**.
- **POS** will not display the amount confirmation screen while doing transaction and if value of this flag **AMT_CONFIRM** is "0".

ONLINETIP_CONFIRM

- This flag is used to display the Amount confirmation with the entered tip amount after the TIP entry. (1- **Enable**/0- **Disable**).
- Applicable only for sale and if we have **DUAL PRICING** or **BIN BASED SURCHARGE** profile with **AMOUNT CONFIRMATION BEFORE CARD PROMPT** as **Yes**.
- POS will not display the amount confirmation with the entered tip amount after the TIP entry while doing transaction and if **ONLINETIP_CONFIRM** flag is "0" or Custom fee Disclosure and Show remove Fee flag set as **NO** or Amount Confirmation (POS Integration) flag set as **NO** in cloud portal.

DOWNLOAD_TAG

- Input from client application.
- whether the terminal needs to initiate Application download, or Parameter download based on the input value from client application.
(10- **Application Download**/11- **Parameter Download**).

REPORTS

- Input from client application.
- This flag is used to fetch the open, close, detail, tip Reports. if **REPORTS** flag is
 - **Open Summary**
 - **Close Summary**
 - **Detail Reports**
 - **Tip Report**

INITIATOR_NAME

- Input from client application.
- This flag is used to get the transaction details from the given Initiator Name. Max length for the "**INITIATOR_NAME**" is 80 characters.

REQ_TXN_ID

- Optional Data. Applicable only for Cloud connect cloud.
- This tag indicates the request id for every payload request to get the terminal processing status. (i.e., **Transaction is in progress**).

SPLIT_BY

- Optional Tag. This tag is used to split the transaction.
- This tag indicates the number of splits to divide the amount, Maximum we allow to split by Five.

SPLIT_EDITABLE

- Value Could be Either 1 or 0.
- When this is 1, POS will allow to edit in the amount in every split.
- When this is 0, the amount cannot be edited, will be equally split with count provided in **SPLIT_BY**.

SPLIT_RETRY_ALLWD

- This tag is to let POS retry if any transactions are declined.
- When this is set to 1 POS will retry the split attempt again when the server declines the transaction due to any reason.
- When this is set to 0, allow to proceed next transaction though the current transaction is declined by switch.

TXN_RECEIPT_LABEL

- It is only applicable for cash sale.
- After receiving the custom "**TXN_RECEIPT_LABEL**" tag, **POS** will proceed with the transaction, and it will print this label in paper receipt.
- TXN_RECEIPT_LABEL may have any character; If Value Is Empty, **POS** will print the existing Label for the Cash Sale Receipt by Default.
- **TXN_RECEIPT_LABEL** We allow a maximum character of 22.

CUSTOM_PROMPT

- Custom prompt Length must be 1 to 40 characters.
- Incase '\n' contain in prompt data, POS will remove and show the data except '\n'.
- POS will validate and throw the error if the tag has only spaces.

USER_ENTRY_TYPE

- USER_ENTRY_TYPE must be 1 to 3.
 - 1 – ALPHANUMERIC (Special characters allowed)
 - 2 – NUMERIC
 - 3 – ALPHANUMERIC (NO Special characters)
- USER_ENTRY_TYPE above 3 will be treated as 1(ALPHANUMERIC).

PAYLOAD

- This tag is used to print the **customizable receipt**.
- Payload Json key should be mandate.
- Payload data should be in valid XML format.
- Payload data shouldn't be empty.

- **XML Sub Tags**

Align:

1. **Right** — set the data alignment position as right.
2. **Center** — set the data alignment position as center.
3. **Left** — set the data alignment position as left.
4. **Justify** — Similar to that of a bisection

Size:

1. **Normal** - set the font size as a normal font to print the data.
2. **Small** - set the font size as a small font to print the data.
3. **Large** - set the font size as a large font to print the data.
4. **Extra-Small** - set the font size as extra-small font to print the data

Section:

Bi section:

In the Bi section, it has taken only 2 data tags

1. The extra-small size has allowed 16 characters for each data.
2. A small size has allowed only 11 characters for each data.

3. The normal size has allowed only 11 characters for each data.
4. Large size without inverted style has allow only 8 characters for each data.
5. The large size with inverted style has allowed only 9 characters for each data.

Trisection:

In the trisection, it has 3 data tags.

1. The extra-small size has allowed 10 characters for each data.
2. A small size has allowed only 7 characters for each data.
3. The normal size has allowed only 7 characters for each data.
4. The large size without an invert has allowed only 5 characters for each data.
5. Large size with invert has allowed only 6 characters for each data.

Without section:

If we don't assign any section tag, just choose a format with align, size, and style for data, and it'll print the data.

1. The extra-small size allows 32 characters of data.
2. The small size has 23 characters of data.
3. The normal size allows 23 characters of data.
4. The large size without an invert has allowed 16 characters of data.
5. The large size with invert allows 19 characters of data.

Style:

1. **Bold** - Data will be printed in bold font.
2. **Invert** - Data will be printed in inverted font. (Ex: similar to that of the decline header)

Data:

Data tags should print any content that will be given inside the data tag.

qr:

Need to print any QR data; should give as QR URL & given in the QR tag.

img:

Need to print image data, then should convert the PNG image to base64 format and give it in the img tag.

Feed:

1. Only give a single feed tag; it'll feed only one line and then print the remaining data.
2. **times** - Inside the Feed tag, give times as 5; it'll feed 5 lines, then print the remaining data.

para:

For the para tag, we can give as much data as possible to print inside the data tag and need to give the font size and style inside the paragraph tag.

RESPONSE DATA TAGS

SUCCESS RESPONSE

SPLIT STATE

The split state indicates the outcome of split transactions. A split transaction occurs when a payment is divided into multiple parts. The different states help clarify how these parts were processed:

- Transaction Result:

0	SUCCESS	All split transactions were approved successfully.
1	Partially Approved	Some split transactions were approved while others failed.
-1	FAILED	All the split transactions failed.

STATE 0:

- All split count transactions were approved, meaning the entire transaction went through successfully without issues.

STATE -1:

- Failure occurred, meaning that even one of the split transactions was not approved, resulting in a complete failure.

STATE 1:

- Partial approval: This means that even if one of the split transactions failed or was declined, the other parts were approved, and the overall transaction was partially successful.

AMOUNT

- This field represents the monetary value of the transaction, including cent notation. For example, a value of \$1.00 would be represented as 100 to include cents. The terminal displays the amount confirmation screen based on the settings from the CLOUD TMS system, confirming the exact amount to be processed.

PARTIAL

- This flag indicates the transaction is partially approved. client must wait for another transaction response

1	Partially Approved:	The transaction is only partially approved, meaning some parts succeeded while others failed. Clients must wait for additional responses to complete or finalize the transaction.
0	Normal Approved:	The transaction has been fully approved and does not need any further response.

ISSUER

- The issuer refers to the card network or financial institution that issued the payment card. It could be a known brand like Visa, MasterCard, American Express (Amex), etc. This value helps to identify which institution is handling the card processing.

MASKED_PAN

- Cardholder Masked Pan

- **Ex: 4375 **** 9004**

RRN (Retrieval Reference Number)

- This is a 12-digit number uniquely assigned to a transaction. It helps to identify and retrieve the transaction in case of disputes or inquiries.

CODE

- Authorization Code. 6 Digit Alpha Numeric Data.

AUTH_RSP_TEXT

- Response Text received from Issuer in order print in charge slip.

DATE

- The date and time when the transaction was processed. The format used is **DDMMYYYY hh:mm:ss**, ensuring that all transaction details are accurately timestamped for tracking and auditing.

TRAN_NO (Transaction Number)

- A unique number assigned to a transaction, which is printed on the charge slip. This number can be used to locate the original transaction and perform actions like Void, Tip adjustments, or Ticket transactions.

BATCH_NO

- This refers to the current batch number in which the transaction was included. A batch is a group of transactions processed together, often at the end of the day. This helps to track and reconcile transactions effectively.

TVR, TSI, AID

Optional data. Only Present for EMV/CLESS Transaction. EMV/CLESS card info which needs to be printed on the charge slip.

EBT_BAL_AMOUNT, FOOD_FOOD_BAL_AMOUNT, CASH_BAL_AMOUNT & MARKET_BAL_AMOUNT

- Optional data. Available only for EBT Card Transaction

GIFT_BAL_AMOUNT

- Optional data. Available only for GIFT card Transactions

SERIAL_NO

- Device Serial Number.

TRAN_TYPE

This refers to the type of card used for the transaction:

- **Credit:** A card that allows borrowing money for the transaction to be paid back later.
- **Debit:** A card linked directly to a bank account, where the transaction amount is deducted immediately.

- **EBT Food & Cash Sale:** Signature Enabled, Print Receipt by default since Mobile No prompt screen is disable
- **Gift sale, Add value, Activation & Deactivation** also allowed.

TRAN_METHOD

This specifies the method or type of transaction that was executed:

- **Sale:** A normal purchase transaction.
- **Void:** A cancellation of a transaction.
- There may be other types of transaction methods depending on the system, such as **Refund, Pre Auth, Post Auth, Completion, Tip Adjust, Voucher Sale, Balance Enquiry, Withdrawal, Cash Sale, Cash Refund, Gift Sale, Add Value, Activation, Deactivation**

AMOUNT_DUE

- Balance amount of the transaction. In the case of partially approved.

SURCHARGE_AMOUNT

- This optional field is applicable only to Credit and Debit transactions when the EPI ID is configured with a Cash Discount/Surcharge profile. It indicates any extra charge added on top of the base transaction amount, like a surcharge or discount for using specific payment methods.

ENTRY_MODE

This refers to how the payment information was entered during the transaction:

- **CHIP:** The transaction was completed by inserting a chip card into a card reader (EMV chip).
- **SWIPE:** The transaction was completed by swiping a magnetic stripe card.

STATE_TAX

- This is optional data that appears for Credit, Debit, and Cash transactions, specifically when the EPI (Electronic Payment Interface) ID has the TAX option enabled in the system. It represents the tax-related data applicable to the transaction.

EXPIRY_DATE

- Expiry Date of the card in YYMM format.

STAN_ID

- STAN ID means System Trace Audit Number which is generated by the cardholder bank that can be used to identify a transaction.

CARDHOLDER_NAME

- Optional Data. Name of the Card Holder.

TIP_AMOUNT

- Optional Data. Available only for SALE, TICKET, TIP ADJUSTMENT Transaction and TIP REPORT Fetch.

ADDINFO_TEXT1, ADDINFO_TEXT2, ADDINFO_DATA1 & ADDINFO_DATA2

- Optional Data. If the VAS Details are present for the transaction.

STATE_TAX, CITY_TAX & REDUCED_TAX

- Optional Data. Available only for Credit, Debit and Cash (Based on the **Cloud TMS**) If the EPI Id having **TAX** option.

FOOD_AMOUNT

- Optional Data. Available only for SALE, TICKET and CASH Transaction when the customer runs a transaction with food amount (Based on the **Cloud TMS**) If the EPI Id having **PROMPT FOR FOOD** option as YES.

CASHBACK_AMOUNT

- Optional Data. Available only for DEBIT and EBT SALE Transaction. when the customer runs a transaction with cashback amount and If the EPI Id having **CASHBACK ON DEBIT CARDS** option as YES.

CASH_DISCOUNT

- Optional Data. Available only for CASH SALE Transaction. when the customer runs a transaction with surcharge amount and If the EPI Id having **CASH DISCOUNT** option as YES.

TOTAL_AMOUNT

- This value represents the full transaction amount, including all components like the purchase amount, cashback, tax, tip, and surcharge. If there is a cash sale transaction with surcharge and cash discount enabled, the surcharge amount is excluded from this total.

DOWNLOAD_STATUS

- Available for Application and Parameter Download.
- This tag indicates the success and failure status with message of download.

TXN_ID (Transaction ID)

- This unique ID is assigned to each transaction. Based on the switch response, the terminal sends this ID to the client. It is essential for tracking individual transactions and for querying specific data.

TOTAL_TRAN_COUNT

- It will show the total number of sale transaction count.

MER_TXN_ID

- Applicable only for **Cloud connect cloud**.
- Terminal will send the **MER_TXN_ID** tag in client response with value of the first payload request which is received in the tag **REQ_TXN_ID** from client payload.

REQ_TXN_ID

- Applicable only for **Cloud connect cloud**.

- Terminal will allow the second payload request even if the terminal is processing the first payload request.
- When the first payload request is in processing state, terminal will send the **REQ_TXN_ID** tag in response to subscribed topic with value of the second payload request which is received in the tag **REQ_TXN_ID** from client payload request along with **MER_TXN_ID** tag value (Value of first payload request).
- For that second payload response, Client needs to subscribe the status topic.
- **Note:** Status Topic will be **UAT/VC/<EPI>/STATUS**

SERIAL_NO

- This tag indicates the Serial number of the POS terminal.

EPI

- This tag indicates the current transactions EPI in POS Terminal.

ORIGINAL_AMOUNT

- This tag is only applicable for split payment Response.
- This tag indicates the original amount given in the payload request.

APPROVED_AMOUNT

- This tag is only applicable for split payment Response.
- This tag indicates the Approved amount based on the Split success transactions.

TIPDUE_AMOUNT

- This tag is only applicable for split payment Response.
- This tag indicates the due Tip amount in the split transaction when the Tip amount is not processed in the first split count.

CASHBACK_AMOUNT_DUE

- The tip amount and cashback amount will only be processed for the first split count. Similarly, if the customer changes the payment mode to one that is not Debit, the cashback amount will not be processed and will be stored in the CASHBACK_AMOUNT_DUE tag.

SPLIT_NO

- This tag is only applicable for split payment responses. It indicates the number of the current split transaction (if the transaction is split into multiple parts). This helps clients track the sequence of successful and failed split payments.

SPLIT_DUE_AMOUNT

- Also only applicable for split payment responses, this tag indicates the remaining amount for each split transaction based on the total number of splits. It helps to track how much is still due for each split transaction (whether successful or failed).

TIP_AMOUNT_DUE

- The tip amount and cashback amount will only be processed for the first split count. If the customer changes the payment mode to Cash or EBT Sale, the tip amount will not be processed and will instead be stored in the **TIP_AMOUNT_DUE** tag.

CUSTOM_PROMPT

- In this Tag get custom prompt from request data.

USER_INPUT

- Get the customer entered data in POS as User Input.

STATE

- This section provides the failure status codes:

0	The transaction was successful.
-1	The transaction was unsuccessful.

FAILURE RESPONSE FOR CANCEL TRANSACTION

This indicates the response code for a cancellation request:

0	The transaction was successful.
-2	The transaction was cleared, meaning no further action is required.

ERROR_CODE

- Cloud Unique Error Code (Min: 5 & Max 8 Digits)
- **Example:**
"ERROR_CODE": "30410001" or "ERROR_CODE": "V0005" or
"ERROR_CODE": "V9999"

ERROR_MSG

- Cloud Unique Error Code Description
- **Example:**
 - "ERROR_MSG": "Card Not Present Removed"
 - "ERROR_MSG": "Transaction Timeout/Cancelled"
 - "ERROR_MSG": "Tran Not Allowed. Please perform refund/return"

ERROR_MSG FOR XML TAGS

- **Example:**
 - "ERROR_MSG": "Invalid Request (If the Payload tag is Empty)"
 - "ERROR_MSG": "Invalid XML Format (If the incorrect XML Format)"

FAILURE RESPONSE FOR CANCEL TRANSACTION

STATE

- Transaction Result

0	SUCCESS
-2	CLEAR TRANSACTION

ERROR_MSG

- Cloud Unique Error Code Description
- **Example:**
 - "ERROR_MSG": "Clear Transaction Failed"
 - "MER_TXN_ID": "Client TXN ID of 1st Request"
 - "REQ_TXN_ID": "Client TXN ID of 2nd Request"

FAILURE RESPONSE FOR TRANSACTION IN-PROGRESS

STATE

- Transaction Result

0	SUCCESS
-1	FAILED
-2	TRANSACTION IN- PROGRESS

FAILURE RESPONSE

ERROR_MSG

- Cloud Unique Error Code Description

Example:

- "ERROR_MSG": "Transaction In-Progress"
- "MER_TXN_ID": "Client TXN ID of 1st Request"
- "REQ_TXN_ID": "Client TXN ID of 2nd Request"

ACKNOWLEDGEMENT

- Terminal will send the acknowledgment first, after receiving every request from client for all transactions.
- Terminal will send the original response followed by an acknowledgment.
- Support only for TCP connection.

RESPONSE

```
{  
    "STATE":"0",  
    "MSG":"ACK"  
}
```

SAMPLE API REQUEST & RESPONSE

CREDIT SALE – Format 1

- Swipe/Manual Mode
- Tip Enabled & Tip Editable Enabled
- Signature Enabled & Cancel Prompt Confirmation Disabled.
- Print Receipt by default since Mobile No prompt screen is disabled
- Line Items Included

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "TIP_ENTRY":"1",  
  "TIP_EDITABLE":"1",  
  "ONLINETIP_CONFIRM":"1",  
  "TIP_AMOUNT":"100",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0",  
  "lineItems":  
    [{ "product_code":"pencil", "quantity":"1", "total":"10.00" }],  
  "CANCEL_CONFIRMATION":"0",  
  "REQ_TXN_ID":"1234"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Sale",  
  "AMOUNT":"1000",  
  "TIP_AMOUNT":"100",  
  "PARTIAL":"0",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO":"1",  
  "BATCH_NO":"1",  
  "ISSUER":"VISA",  
  "TXN_ID":"5468",  
  "MER_TXN_ID":"1234",  
}
```

CREDIT SALE – Format 2

- EMV/CLESS Mode
- Tip Enabled
- Signature Enabled & Cancel Prompt Confirmation Enabled.
- Print Receipt by default since Mobile No prompt screen is disabled
- Line Item, Discount and Billing Address Details Included

REQUEST

```
{
  "TRAN_MODE":"1",
  "TRAN_CODE":"1",
  "AMOUNT":"400",
  "TIP_ENTRY":"1",
  "SIGNATURE":"1",
  "ONLINETIP_CONFIRM":"0",
  "PAPER_RECEIPT":"2",
  "MOBILE_ENTRY":"0",
  "lineItems":
  [{"product_code":"pencil","quantity":"1","total":"2.00"},
  {"product_code":"Banana","quantity":"1","total":"2.00"}],
  "DISCOUNT_LIST":
  [{"discountName":"NewYear","cost":"100","amountType":"1","discountValue":"100"}],
  "addressDetails": [{"customerName":"stephen","streetNo":"10","streetName":"gandhiji
street","streetUnit":"101","city":"SCHENECTADY","state":"NY - New
York","zipCode":"12345"}],
  "CANCEL_CONFIRMATION":"1"
}
```

RESPONSE

```
{
  "STATE":"0",
  "EPI":"2319923414",
  "SERIAL_NO":"125192037342",
  "TRAN_TYPE":"Credit",
  "TRAN_METHOD":"Sale",
  "AMOUNT":"300",
  "PARTIAL":"0",
  "SURCHARGE_AMOUNT":"5",
  "MASKED_PAN":"4111 **** * 1111",
  "ENTRY_MODE":"CHIP",
  "EXPIRY_DATE":"2512",
  "RRN":"123456789012",
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",
  "CODE":"RA1234",
  "AUTH_RSP_TEXT":" SUCCESS",
  "DATE":"11032021 15:00:00",
  "TRAN_NO": "1",
  "BATCH_NO":"1",
  "ISSUER": "VISA",
  "AID": " A0000000031010",
  "TVR":"000004800",
  "TSI":" E800"
}
```

CREDIT SALE – Format 3

- Tip Disabled
- Signature Enabled
- Paper Receipt Disabled & E-Receipt Enabled
- Terminal Will display Mobile No screen with SMS Receipt
- Line Item, Billing and shipping Address Details Included

REQUEST

```
{
  "TRAN_MODE":"1",
  "TRAN_CODE":"1",
  "AMOUNT":"4000",
  "TIP_ENTRY":"0",
  "SIGNATURE":"1",
  "PAPER_RECEIPT":"1",
  "MOBILE_ENTRY":"1",
  "lineItems":
  [{"product_code":"pencil","quantity":"1","total":"2.00"}
  {"product_code":"Banana","quantity":"1","total":"2.00"}],
  "addressDetails":
  [{"customerName":"stephen","streetNo":"10","streetName":"gandhiji
  street","streetUnit":"101","city":"SCHENECTADY","state":"NY
  NewYork","zipCode":"12345"},
  {"customerName":"jorge","streetNo":"15","streetName":"nehru
  street","streetUnit":"101","city":"WEST GRANBY","state":"CT -
  Connecticut","zipCode":"6090"}],
  "MOBILE_NUMBER":"9999999999"
}
```

RESPONSE

```
{
  "STATE":"0",
  "EPI":"2319923414",
  "SERIAL_NO":"125192037342",
  "TRAN_TYPE":"Credit",
  "TRAN_METHOD":"Sale",
  "AMOUNT":"4DEBI000",
  "PARTIAL":"0",
  "SURCHARGE_AMOUNT":"5",
  "MASKED_PAN":"4111 **** * 1111",
  "ENTRY_MODE":"CHIP",
  "EXPIRY_DATE":"2512",
  "RRN":"123456789012",
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",
  "CODE":"RA1234",
  "AUTH_RSP_TEXT":" SUCCESS",
  "DATE":"11032021 15:00:00",
  "TRAN_NO":"1",
  "BATCH_NO":"1",
  "ISSUER":"VISA",
  "AID":" A0000000031010",
  "TVR":"000004800",
  "TSI":" E800"
}
```

CREDIT SALE – Format 4

- EMV/CLESS Mode
- Tip Disabled
- Signature Enabled
- Paper Receipt Enabled & E-Receipt Disabled
- Terminal Will display Mobile No screen with Paper Receipt & E-Receipt if enabled in **CLOUD TMS**

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "TIP_ENTRY":"0",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999",  
  "REQ_TXN_ID":"0000"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO":"1",  
  "ISSUER":"VISA",  
  "AID":" A0000000031010",  
  "TVR":"000004800",  
  "TSI":" E800",  
  "MER_TXN_ID":"0000",  
}
```


CREDIT SALE – Format 5

- EMV/CLESS Mode
- Tip Enabled & Tip Editable Disabled
- Signature Enabled
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based on **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "TIP_ENTRY":"1",  
  "TIP_EDITABLE":"0",  
  "TIP_AMOUNT":"100",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Sale",  
  "AMOUNT":"1000",  
  "TIP_AMOUNT":"100",  
  "PARTIAL":"0",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
}
```

CREDIT SALE – Format 6

- EMV/CLESS Mode
- Tip Enabled & Tip Editable Disabled
- Signature Enabled
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based on **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "TIP_ENTRY":"0",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Sale",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
  "TSI": " E800"  
}
```

CREDIT SALE – Format 7

- EMV/CLESS Mode
- Tip Enabled.
- Signature Enabled
- Mobile No screen displays disabled & Print Receipt will work based on **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "TIP_ENTRY":"1",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Sale",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR":"000004800",  
  "TSI":" E800"  
}
```

CREDIT REFUND

- EMV/CLESS Mode
- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"5",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0",  
  "REQ_TXN_ID":"1234"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Refund",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO":"1",  
  "BATCH_NO":"1",  
  "ISSUER":"VISA",  
  "AID":" A0000000031010",  
  "TVR":"000004800",  
  "TSI":" E800",  
  "MER_TXN_ID":"1234"  
}
```

CREDIT PREAUTH – Format 1

- Swipe/Manual Mode
- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disable

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"3",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Pre Auth",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
  "TSI": " E800"  
}
```

CREDIT PREAUTH – Format 2

- Swipe/Manual Mode
- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"3",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Pre Auth",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
  "TSI": " E800"  
}
```

CREDIT PREAUTH – Format 3

- EMV/CLESS Mode
- Signature Enabled
- Paper Receipt Disabled & E-Receipt Enabled
- Terminal Will display Mobile No screen with SMS Receipt

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"3",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Pre Auth",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
  "TSI": " E800"  
}
```

CREDIT PREAUTH – Format 4

- EMV/CLESS Mode
- Signature Enabled
- Paper Receipt Enabled & E-Receipt Disabled
- Terminal Will display Mobile No screen with Paper Receipt & E-Receipt if enabled in **CLOUD TMS**

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"3",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Pre Auth",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA",  
  "AID": " A00000000031010",  
  "TVR": "000004800",  
}
```


CREDIT PREAUTH – Format 5

- EMV/CLESS Mode
- Signature Enabled
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"3",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Pre Auth",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
  "TSI": " E800"  
}
```

CREDIT PREAUTH – Format 6

- EMV/CLESS Mode & Signature Enabled
- Print Receipt disabled by default & Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"3",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Pre Auth",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
  "TSI": " E800"  
}
```

CREDIT PREAUTH – Format 7

- EMV/CLESS Mode
- Signature Enabled
- Mobile No screen displays disabled & Print Receipt will work based on **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "TRAN_CODE":"3",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD":"Pre Auth",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR":"000004800",  
  "TSI":" E800"  
}
```

CREDIT VOID – Format 1

- Tran Number based VOID Transaction.
- Terminal will not display VOID confirmation screen.
- Print Receipt by default since Mobile No prompt screen is disabled.

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"2",  
  "TRAN_NO":"1",  
  "VOID_CONFIRMATION":"0",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Void",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

CREDIT VOID – Format 2

- Tran Number Based VOID Transaction
- Terminal will display VOID confirmation screen
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based on **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"2",  
  "TRAN_NO":"1",  
  "VOID_CONFIRMATION":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Void",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

CREDIT VOID – Format 3

- Tran Number Based VOID Transaction
- Terminal will display VOID confirmation screen
- Paper Receipt Disabled & E-Receipt Enabled
- Terminal Will display Mobile No screen with SMS Receipt

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"2",
  "TRAN_NO":"1",
  "VOID_CONFIRMATION":"1",
  "PAPER_RECEIPT":"1",
  "MOBILE_ENTRY":"1",
  "MOBILE_NUMBER":"9999999999"
}
```

RESPONSE

```
{
  "STATE":"0",
  "EPI":"2319923414",
  "SERIAL_NO":"125192037342",
  "TRAN_TYPE":"Credit",
  "TRAN_METHOD": "Void",
  "AMOUNT":"1000",
  "MASKED_PAN":"4111 **** * 1111",
  "RRN":"123456789012",
  "CODE":"RA1234",
  "AUTH_RSP_TEXT":" SUCCESS",
  "DATE":"11032021 15:00:00",
  "TRAN_NO": "1",
  "BATCH_NO":"1",
  "ISSUER": "VISA"
}
```

CREDIT VOID – Format 4

- Tran Number Based VOID Transaction
- Terminal will display VOID confirmation screen
- Paper Receipt Enabled & E-Receipt Disabled
- Terminal Will display Mobile No screen with Paper Receipt & E-Receipt if enabled in **CLOUD TMS**

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"2",  
  "TRAN_NO":"1",  
  "VOID_CONFIRMATION":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Void",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

CREDIT VOID – Format 5

- Tran Number Based VOID Transaction
- Terminal will not display VOID confirmation screen
- Print Receipt disabled by default & Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"2",  
  "TRAN_NO":"1",  
  "VOID_CONFIRMATION":"0",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Void",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```


CREDIT VOID – Format 6

- Card Number Based VOID Transaction
- Terminal will not display VOID confirmation screen
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"2",  
  "CARD_NO":"1111",  
  "VOID_CONFIRMATION":"0",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Void",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

CREDIT VOID – Format 7

- Card Number Based VOID Transaction
- Terminal will display VOID confirmation screen
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based
- **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"2",  
  "CARD_NO":"1111",  
  "VOID_CONFIRMATION":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{
  "STATE": "0",
  "EPI": "2319923414",
  "SERIAL_NO": "125192037342",
  "TRAN_TYPE": "Credit",
  "TRAN_METHOD": "Void",
  "AMOUNT": "1000",
  "MASKED_PAN": "4111 **** * 1111",
  "RRN": "123456789012",
  "CODE": "RA1234",
  "AUTH_RSP_TEXT": "SUCCESS",
  "DATE": "11032021 15:00:00",
  "TRAN_NO": "1",
  "BATCH_NO": "1",
  "ISSUER": "VISA"
}
```

CREDIT VOID – Format 8

- Card Number Based VOID Transaction
- Terminal will display VOID confirmation screen
- Paper Receipt Disabled & E-Receipt Enabled
- Terminal Will display Mobile No screen with SMS Receipt

REQUEST

```
{
  "TRAN_MODE": "0",
  "TRAN_CODE": "2",
  "CARD_NO": "1111",
  "VOID_CONFIRMATION": "1",
  "PAPER_RECEIPT": "1",
  "MOBILE_ENTRY": "1",
  "MOBILE_NUMBER": "9999999999"
}
```

RESPONSE

```
{
  "STATE": "0",
  "EPI": "2319923414",
  "SERIAL_NO": "125192037342",
  "TRAN_TYPE": "Credit",
  "TRAN_METHOD": "Void",
  "AMOUNT": "1000",
  "MASKED_PAN": "4111 **** * 1111",
  "RRN": "123456789012",
  "CODE": "RA1234",
  "AUTH_RSP_TEXT": "SUCCESS",
  "DATE": "11032021 15:00:00",
  "TRAN_NO": "1",
  "BATCH_NO": "1",
  "ISSUER": "VISA"
}
```

CREDIT VOID – Format 9

- Card Number Based VOID Transaction
- Terminal will display VOID confirmation screen
- Paper Receipt Enabled & E-Receipt Disabled
- Terminal Will display Mobile No screen with Paper Receipt & E-Receipt if enabled in **CLOUD TMS**

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"2",  
  "CARD_NO":"1111",  
  "VOID_CONFIRMATION":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Void",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

CREDIT VOID – Format 10

- Card Number Based VOID Transaction
- Terminal will not display VOID confirmation screen
- Print Receipt disabled by default & Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"2",  
  "CARD_NO":"1111",  
  "VOID_CONFIRMATION":"0",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"0"  
}
```

Response

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Void",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TICKET (COMPLETION) – Format 1

- Tran Number and Signature Based TICKET Transaction
- Terminal will not display TICKET confirmation and Amount confirmation screen
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"4",
  "AMOUNT":"1000",
  "TRAN_NO":"1",
  "TICKET_CONFIRMATION":"0",
  "PAPER_RECEIPT":"2",
  "SIGNATURE":"1",
  "AMT_CONFIRM":"0",
  "MOBILE_ENTRY":"0",
  "REQ_TXN_ID":"1234"
}
```

RESPONSE

```
{
  "STATE":"0",
  "EPI":"2319923414",
  "SERIAL_NO":"125192037342",
  "TRAN_TYPE":"Credit",
  "TRAN_METHOD": "Completion",
  "AMOUNT":"1000",
  "SURCHARGE_AMOUNT":"5",
  "MASKED_PAN":"4111 **** * 1111",
  "RRN":"123456789012",
  "CODE":"RA1234",
  "AUTH_RSP_TEXT":" SUCCESS",
  "DATE":"11032021 15:00:00",
  "TRAN_NO": "1",
  "BATCH_NO":"1",
  "ISSUER": "VISA",
  "MER_TXN_ID": "1234",
}
```

TICKET (COMPLETION) – Format 2

- Tran Number and Signature Based TICKET Transaction
- Terminal will display TICKET confirmation screen and Amount confirmation screen
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based
- **CLOUD TMS** Flag
- Terminal will not display the signature screen

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"4",  
  "AMOUNT":"1000",  
  "TRAN_NO":"1",  
  "TICKET_CONFIRMATION":"1",  
  "SIGNATURE":"0",  
  "AMT_CONFIRM":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Completion",  
  "AMOUNT":"1000",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** ** 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT": "SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TICKET (COMPLETION) – Format 3

- Tran Number based TICKET Transaction
- Terminal will display TICKET confirmation screen and Amount confirmation screen
- Paper Receipt Disabled & E-Receipt Enabled
- Terminal Will display Mobile No screen with SMS Receipt
- Terminal will display the signature screen

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"4",  
  "AMOUNT":"1000",  
  "TRAN_NO":"1",  
  "TICKET_CONFIRMATION":"1",  
  "SIGNATURE":"1",  
  "AMT_CONFIRM":"1",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Completion",  
  "AMOUNT":"1000",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TICKET (COMPLETION) – Format 4

- Tran Number based TICKET Transaction
- Terminal will display TICKET confirmation screen
- Paper Receipt Enabled & E-Receipt Disabled
- Terminal Will display Mobile No screen with Paper Receipt & E-Receipt if enabled in **CLOUD TMS**
- Terminal Will not display the Amount confirmation and Signature screen.

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"4",  
  "AMOUNT":"1000",  
  "TRAN_NO":"1",  
  "TICKET_CONFIRMATION":"1",  
  "SIGNATURE":"0",  
  "AMT_CONFIRM":"0",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Completion",  
  "AMOUNT":"1000",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT": "SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```


TICKET (COMPLETION) – Format 5

- Tran Number Based and Signature based TICKET Transaction
- Terminal will display TICKET confirmation screen and Amount confirmation screen
- Print Receipt disabled by default & Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"4",  
  "AMOUNT":"1000",  
  "TRAN_NO":"1",  
  "TICKET_CONFIRMATION":"1",  
  "SIGNATURE":"1",  
  "AMT_CONFIRM":"0",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Completion",  
  "AMOUNT":"1000",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TICKET (COMPLETION) – Format 6

- Card Number Based TICKET Transaction
- Terminal will not display TICKET confirmation screen and Amount confirmation screen
- Print Receipt by default since Mobile No prompt screen is disabled
- Terminal will not display the signature screen

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"4",  
  "AMOUNT":"1000",  
  "CARD_NO":"1111",  
  "TICKET_CONFIRMATION":"0",  
  "SIGNATURE":"0",  
  "AMT_CONFIRM":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Completion",  
  "AMOUNT":"1000",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TICKET (COMPLETION) – Format 7

- Card Number Based TICKET Transaction
- Terminal will display TICKET confirmation screen
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based
- **CLOUD TMS** Flag
- Terminal will display the Amount confirmation and Signature screen

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"4",  
  "AMOUNT":"1000",  
  "CARD_NO":"1111",  
  "TICKET_CONFIRMATION":"1",  
  "SIGNATURE":"1",  
  "AMT_CONFIRM":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Completion",  
  "AMOUNT":"1000",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TICKET(COMPLETION) – Format 8

- Card Number Based TICKET Transaction
- Terminal will display TICKET confirmation screen
- Paper Receipt Disabled & E-Receipt Enabled
- Terminal Will display Mobile No screen with SMS Receipt
- Terminal will not display the Amount confirmation and Signature screen

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"4",  
  "AMOUNT":"1000",  
  "CARD_NO":"1111",  
  "TICKET_CONFIRMATION":"1",  
  "SIGNATURE":"0",  
  "AMT_CONFIRM":"0",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Completion",  
  "AMOUNT":"1000",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TICKET(COMPLETION) – Format 9

- Card Number Based TICKET Transaction
- Terminal will display TICKET confirmation screen
- Paper Receipt Enabled & E-Receipt Disabled
- Terminal Will display Mobile No screen with Paper Receipt & E-Receipt if enabled in **CLOUD TMS**
- Terminal will display the Amount confirmation and Signature screen

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"4",
  "AMOUNT":"1000",
  "CARD_NO":"1111",
  "TICKET_CONFIRMATION ":"1",
  "SIGNATURE":"1",
  "AMT_CONFIRM":"1",
  "PAPER_RECEIPT":"2",
  "MOBILE_ENTRY":"1",
  "MOBILE_NUMBER":"9999999999"
}
```

RESPONSE

```
{
  "STATE":"0",
  "EPI":"2319923414",
  "SERIAL_NO":"125192037342",
  "TRAN_TYPE":"Credit",
  "TRAN_METHOD": "Completion",
  "AMOUNT":"1000",
  "MASKED_PAN":"4111 **** * 1111",
  "RRN":"123456789012",
  "CODE":"RA1234",
  "AUTH_RSP_TEXT":" SUCCESS",
  "DATE":"11032021 15:00:00",
  "TRAN_NO": "1",
  "BATCH_NO":"1",
  "ISSUER": "VISA"
}
```

TICKET(COMPLETION) – Format 10

- Card Number Based TICKET Transaction
- Terminal will not display TICKET confirmation screen
- Print Receipt disabled by default & Mobile No prompt screen is disabled
- Terminal will not display the Amount confirmation and Signature screen

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"4",  
  "AMOUNT":"1000",  
  "CARD_NO":"1111",  
  "TICKET_CONFIRMATION":"0",  
  "SIGNATURE":"0",  
  "AMT_CONFIRM":"0",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE": "Credit",  
  "TRAN_METHOD": "Completion",  
  "AMOUNT":"1000",  
  "SURCHARGE_AMOUNT":"5",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TIP ADJUSTMENT – Format 1

- Tran Number Based OFFLINE TIP Transaction
- Terminal will display OFFLINE TIP confirmation screen and Amount confirmation screen
- Print Receipt by Default & Prompt warning message is disabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"20",  
  "TRAN_NO":"1",  
  "TIP_CONFIRMATION":"1",  
  "AMT_CONFIRM":"1",  
  "WARNING_CONFIRM":"0",  
  "PAPER_RECEIPT":"2",  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Tip Adjust",  
  "AMOUNT":"1000",  
  "TIP_AMOUNT":"200",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA",  
}
```

TIP ADJUSTMENT - Format 2

- Tran Number Based OFFLINE TIP Transaction
- Terminal will display OFFLINE TIP confirmation and Amount confirmation screen
- Print Receipt will work based **CLOUD TMS** Flag & Prompt warning message is enabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"20",  
  "TRAN_NO":"1",  
  "TIP_AMOUNT":"200",  
  "TIP_CONFIRMATION":"1",  
  "AMT_CONFIRM":"1",  
  "WARNING_CONFIRM":"1",  
  "PAPER_RECEIPT":"3",  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Tip Adjust",  
  "AMOUNT":"1000",  
  "TIP_AMOUNT":"200",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA",  
}
```


TIP ADJUSTMENT – Format 3

- Tran Number Based OFFLINE TIP Transaction
- Terminal will display OFFLINE TIP confirmation and Amount confirmation screen
- Print Receipt Disabled & Prompt warning message is enabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"20",  
  "TRAN_NO":"1",  
  "TIP_CONFIRMATION":"1",  
  "WARNING_CONFIRM ":"1",  
  "AMT_CONFIRM":"1",  
  "PAPER_RECEIPT":"1"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Tip Adjust",  
  "AMOUNT":"1000",  
  "TIP_AMOUNT":"200",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TIP ADJUSTMENT – Format 4

- Card Number Based OFFLINE TIP Transaction
- Terminal will display OFFLINE TIP confirmation screen
- Print Receipt by Default & Prompt warning message is disabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"20",  
  "CARD_NO":"1111",  
  "TIP_CONFIRMATION":"0",  
  "WARNING_CONFIRM":"0",  
  "PAPER_RECEIPT":"2"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Tip Adjust",  
  "AMOUNT":"1000",  
  "TIP_AMOUNT":"200",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234", "AUTH_RSP_TEXT":" SUCCESS", "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TIP ADJUSTMENT - Format 5

- Tran Number Based OFFLINE TIP Transaction
- Terminal will display OFFLINE TIP confirmation and Amount confirmation screen
- Print Receipt will work based **CLOUD TMS** Flag & Prompt warning message is enabled

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"20",  
  "CARD_NO":"1111",  
  "TIP_CONFIRMATION":"1",  
  "AMT_CONFIRM":"1",  
  "WARNING_CONFIRM":"1",  
  "PAPER_RECEIPT":"3"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Tip Adjust",  
  "AMOUNT":"1000",  
  "TIP_AMOUNT":"200",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

TIP ADJUSTMENT – Format 6

- Tran Number Based OFFLINE TIP Transaction
- Terminal will display OFFLINE TIP confirmation screen
- Print Receipt Disabled & Prompt warning message is enabled
- Terminal will not display Amount confirmation screen

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"20",  
  "CARD_NO":"1111",  
  "TIP_CONFIRMATION":"1",  
  "AMT_CONFIRM":"1",  
  "WARNING_CONFIRM":"1",  
  "PAPER_RECEIPT":"1"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Credit",  
  "TRAN_METHOD": "Tip Adjust",  
  "AMOUNT":"1000",  
  "TIP_AMOUNT":"200",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA"  
}
```

DEBIT SALE

- EMV/CLESS Mode
- Tip Enabled
- Signature Enabled & Cashback amount added
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"2",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "CASHBACK_AMOUNT":"200",  
  "TIP_ENTRY":"1",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0",  
  "CANCEL_CONFIRMATION":"1",  
  "REQ_TXN_ID":"1234"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Debit",  
  "TRAN_METHOD":"Sale",  
  "AMOUNT":"1000",  
  "CASHBACK_AMOUNT":"200",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
  "TSI": " E800",  
  "MER_TXN_ID": "1234"  
}
```

DEBIT REFUND

- EMV/CLESS Mode
- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"2",  
  "TRAN_CODE":"5",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Debit",  
  "TRAN_METHOD":"Refund",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"CHIP",  
  "EXPIRY_DATE":"2512",  
  "RRN":"123456789012",  
  "CARDHOLDER_NAME":"FDMS USA CARD/VISA",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "VISA",  
  "AID": " A0000000031010",  
  "TVR": "000004800",  
  "TSI": " E800"  
}
```

EBT FOOD SALE

- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"3",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"EBT Food",  
  "TRAN_METHOD":"Sale",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111*****1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "EBT",  
  "EBT_BAL_AMOUNT":"65000"  
}
```

EBT FOOD VOUCHER SALE

- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"3",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"EBT Food",  
  "TRAN_METHOD":"Voucher Sale",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "EBT"  
}
```


EBT FOOD REFUND

- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"3",  
  "TRAN_CODE":"5",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"EBT Food",  
  "TRAN_METHOD":"Refund",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111**** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "EBT"  
}
```

EBT FOOD BALANCE

- Print Receipt by default

REQUEST

```
{  
  "TRAN_MODE":"3",  
  "TRAN_CODE":"8",  
  "PAPER_RECEIPT":"2"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"EBT Food",  
  "TRAN_METHOD":"Balance Enquiry",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111*****1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "EBT",  
  "EBT_BAL_AMOUNT":"65000"  
}
```

EBT CASH SALE

- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"4",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"EBT Cash",  
  "TRAN_METHOD":"Sale",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111**** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "EBT",  
  "EBT_BAL_AMOUNT":"65000"  
}
```

EBT CASH BALANCE

- Print Receipt by default

REQUEST

```
{  
  "TRAN_MODE": "4",  
  "TRAN_CODE": "8",  
  "PAPER_RECEIPT": "2"  
}
```

RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "TRAN_TYPE": "EBT Cash",  
  "TRAN_METHOD": "Balance Enquiry",  
  "AMOUNT": "1000",  
  "PARTIAL": "0",  
  "MASKED_PAN": "4111**** **1111",  
  "ENTRY_MODE": "SWIPE",  
  "RRN": "123456789012",  
  "CODE": "RA1234",  
  "AUTH_RSP_TEXT": " SUCCESS",  
  "DATE": "11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "EBT",  
  "EBT_BAL_AMOUNT": "65000"  
}
```

EBT CASH WITHDRAWAL

- Signature Enabled & Print Receipt by default

REQUEST

```
{  
  "TRAN_MODE":"4",  
  "TRAN_CODE":"44",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"EBT Food",  
  "TRAN_METHOD":"Withdrawal",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111**** *1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "EBT",  
  "EBT_BAL_AMOUNT": "65000"  
}
```

CASH SALE

- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled
- Include Cash & Cash Discount Enabled
- When receiving the custom "**TXN_RECEIPT_LABEL**" tag, **POS** will proceed with the transaction, and it will print this label in paper receipt.

REQUEST

```
{  
  "TRAN_MODE":"6",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "TXN_RECEIPT_LABEL ":"Cash Sale"  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0",  
  "REQ_TXN_ID":"1234"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE": "Cash",  
  "TRAN_METHOD":"Cash Sale",  
  "AMOUNT":"1000",  
  "SURCHARGE":"20",  
  "CASH_DISCOUNT":"20",  
  "PARTIAL":"0",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "CASH",  
  "MER_TXN_ID": "1234"  
}
```

CASH REFUND

- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE": "6",  
  "TRAN_CODE": "5",  
  "AMOUNT": "1000",  
  "SIGNATURE": "1",  
  "PAPER_RECEIPT": "2",  
  "MOBILE_ENTRY": "0",  
  "REQ_TXN_ID": "1234"  
}
```

RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "TRAN_TYPE": "Cash",  
  "TRAN_METHOD": "Cash Refund",  
  "AMOUNT": "1000",  
  "PARTIAL": "0",  
  "DATE": "11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1",  
  "ISSUER": "CASH",  
  "MER_TXN_ID": "1234",  
}
```

GIFT SALE – Format 1

- Tip Enabled
- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE": "5",  
  "TRAN_CODE": "1",  
  "AMOUNT": "1000",  
  "TIP_ENTRY": "1",  
  "SIGNATURE": "1",  
  "PAPER_RECEIPT": "2",  
  "MOBILE_ENTRY": "0"  
}
```

RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "TRAN_TYPE": "Gift",  
  "TRAN_METHOD": "Gift Sale",  
  "AMOUNT": "1000",  
  "PARTIAL": "0",  
  "MASKED_PAN": "4111**** ****1111",  
  "ENTRY_MODE": "SWIPE",  
  "RRN": "123456789012",  
  "CODE": "RA1234",  
  "AUTH_RSP_TEXT": "SUCCESS",  
  "DATE": "11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO": "1", "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT": "65000"  
}
```


GIFT SALE – Format 2

- Tip Disabled & Signature Enabled
- Paper Receipt Disabled & E-Receipt Enabled
- Terminal Will display Mobile No screen with SMS Receipt

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "TIP_ENTRY":"0",  
  "SIGNATURE":"1", "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Gift Sale",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111**** **** 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```

GIFT SALE – Format 3

- Tip Disabled
- Signature Enabled
- Paper Receipt Enabled & E-Receipt Disabled
- Terminal Will display Mobile No screen with Paper Receipt & E-Receipt if enabled in **CLOUD TMS**

REQUEST

```
{
  "TRAN_MODE":"5",
  "TRAN_CODE":"1",
  "AMOUNT":"1000",
  "TIP_ENTRY":"0",
  "SIGNATURE":"1",
  "PAPER_RECEIPT":"2",
  "MOBILE_ENTRY":"1",
  "MOBILE_NUMBER":"9999999999"
}
```

RESPONSE

```
{
  "STATE":"0",
  "EPI":"2319923414",
  "SERIAL_NO":"125192037342",
  "TRAN_TYPE":"Gift",
  "TRAN_METHOD":"Gift Sale",
  "AMOUNT":"1000",
  "PARTIAL":"0",
  "MASKED_PAN":"4111**** ****1111",
  "ENTRY_MODE":"SWIPE",
  "RRN":"123456789012",
  "CODE":"RA1234",
  "AUTH_RSP_TEXT":" SUCCESS",
  "DATE":"11032021 15:00:00",
  "TRAN_NO": "1",
  "BATCH_NO":"1",
  "ISSUER": "GIFT CARD",
  "GIFT_BAL_AMOUNT":"65000"
}
```

GIFT SALE – Format 4

- Tip Enabled
- Signature Enabled
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based
- **CLOUD TMS** Flag

REQUEST

```
{
  "TRAN_MODE":"5",
  "TRAN_CODE":"1",
  "AMOUNT":"1000",
  "TIP_ENTRY":"1",
  "SIGNATURE":"1",
  "PAPER_RECEIPT":"3",
  "MOBILE_ENTRY":"1",
  "MOBILE_NUMBER":"9999999999"
}
```

RESPONSE

```
{
  "STATE":"0",
  "EPI":"2319923414",
  "SERIAL_NO":"125192037342",
  "TRAN_TYPE":"Gift",
  "TRAN_METHOD":"Gift Sale",
  "AMOUNT":"1000",
  "PARTIAL":"0",
  "MASKED_PAN":"4111*****1111",
  "ENTRY_MODE":"SWIPE",
  "RRN":"123456789012",
  "CODE":"RA1234",
  "AUTH_RSP_TEXT":" SUCCESS",
  "DATE":"11032021 15:00:00",
  "TRAN_NO": "1",
  "BATCH_NO":"1",
  "ISSUER": "GIFT CARD",
  "GIFT_BAL_AMOUNT":"65000"
}
```

GIFT SALE – Format 5

- Tip Disabled & Signature Enabled
- Print Receipt disabled by default & Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "TIP_ENTRY":"0",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Gift Sale",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```

GIFT SALE – Format 6

- Tip Enabled
- Signature Enabled
- Mobile No screen displays disabled & Print Receipt will work based on **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"1",  
  "AMOUNT":"1000",  
  "TIP_ENTRY":"1",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Gift Sale",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111*****1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```

GIFT ADD VALUE – Format 1

- Signature Enabled
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"51",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Add Value",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```

GIFT ADD VALUE – Format 2

- Signature Enabled
- Paper Receipt Enabled & E-Receipt Disabled
- Terminal Will display Mobile No screen with Paper Receipt & E-Receipt if enabled in **CLOUD TMS**

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"51",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"2",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Add Value",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```

GIFT ADD VALUE – Format 3

- Signature Enabled
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based
- **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"51",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"1",  
  "MOBILE_NUMBER":"9999999999"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Add Value",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```


GIFT ADD VALUE – Format 4

- Signature Enabled
- Print Receipt disabled by default & Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"51",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"1",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Add Value",  
  "AMOUNT":"1000",  
  "PARTIAL":"0",  
  "MASKED_PAN":"4111*****1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```

GIFT ADD VALUE – Format 5

- Signature Enabled
- Mobile No screen displays disabled & Print Receipt will work based on **CLOUD TMS** Flag

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"51",  
  "AMOUNT":"1000",  
  "SIGNATURE":"1",  
  "PAPER_RECEIPT":"3",  
  "MOBILE_ENTRY":"0"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Add Value",  
  "AMOUNT":"1000",  
  "MASKED_PAN":"4111 **** * 1111",  
  "ENTRY_MODE":"SWIPE",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```

GIFT ACTIVATION

- Print Receipt by default

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"49",  
  "PAPER_RECEIPT":"2"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Activation",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1", "ISSUER": "GIFT CARD"  
}
```

GIFT DE-ACTIVATION

- Print Receipt by default

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"50",  
  "PAPER_RECEIPT":"2"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Deactivation",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD"  
}
```

GIFT BALANCE ENQUIRY

- Print Receipt by default.

REQUEST

```
{  
  "TRAN_MODE":"5",  
  "TRAN_CODE":"38",  
  "PAPER_RECEIPT":"2"  
}
```

RESPONSE

```
{  
  "STATE":"0",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "TRAN_TYPE":"Gift",  
  "TRAN_METHOD":"Balance Enquiry",  
  "MASKED_PAN":"4111 **** * 1111",  
  "RRN":"123456789012",  
  "CODE":"RA1234",  
  "AUTH_RSP_TEXT":" SUCCESS",  
  "DATE":"11032021 15:00:00",  
  "TRAN_NO": "1",  
  "BATCH_NO":"1",  
  "ISSUER": "GIFT CARD",  
  "GIFT_BAL_AMOUNT":"65000"  
}
```

REPRINT

REQUEST

```
{  
  "TRAN_MODE":"0",  
  "TRAN_CODE":"11"  
}
```

SUCCESS RESPONSE

```
{  
  "STATE":"0"  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
}
```

FAILURE RESPONSE – FORMAT 1

```
{  
  "STATE":"-1",  
  "EPI":"2319923414",  
  "SERIAL_NO":"125192037342",  
  "ERROR_MSG":" No Transaction Found"  
}
```

FAILURE RESPONSE - FORMAT 2

```
{  
  "STATE": "-1",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "ERROR_MSG": "Paper Roll Empty / Not Present"  
}
```

SETTLEMENT REQUEST

```
{  
  "TRAN_MODE": "0",  
  "TRAN_CODE": "9",  
  "SETTLE_CONFIRMATION": "1",  
  "PAPER_RECEIPT": "1"  
}
```

SUCCESS RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "AMOUNT": "10000",  
  "DATE": "11032021 15:00:00",  
  "BATCH_NO": "1",  
  "TOTAL_TRAN_COUNT": "3"  
}
```

FAILURE RESPONSE - FORMAT 1

```
{  
  "STATE": "-1",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "ERROR_MSG": "No Transaction to Settle"  
}
```

FAILURE RESPONSE - FORMAT 2

```
{  
  "STATE": "-1",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "ERROR_MSG": "Settlement Failed"  
}
```

APP DOWNLOAD

REQUEST

```
{  
  "DOWNLOAD_TAG": "10"  
}
```

SUCCESS RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "DOWNLOAD_STATUS": "APPLICATION DOWNLOAD SUCCESS"  
}
```

FAILURE RESPONSE

```
{  
  "STATE": "-1",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "DOWNLOAD_STATUS": "APP PARAMETER DISABLED"  
}
```

PARAMETER DOWNLOAD

REQUEST

```
{  
  "DOWNLOAD_TAG": "11"  
}
```

SUCCESS RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "DOWNLOAD_STATUS": "PARAMETER DOWNLOAD SUCCESS"  
}
```

FAILURE RESPONSE

```
{  
  "STATE": "-1",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "DOWNLOAD_STATUS": "PARAMETER DISABLED"  
}
```

REPORTS

REQUEST

```
{  
  "TRAN_MODE": "0",  
  "TRAN_CODE": "12",  
  "REPORTS": "1",  
  "PAPER_RECEIPT": "3"  
}
```

SUCCESS RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2231224144",  
  "SERIAL_NO": "B99300129105",  
  "REPORTS": "1",  
  "AMOUNT": "53909",  
  "BATCH_NO": "255",  
  "TIP_AMOUNT": "3000",  
  "DATE": "13-12-2022 05:14:03"  
}
```

REQUEST

```
{  
  "TRAN_MODE": "0",  
  "TRAN_CODE": "12",  
  "REPORTS": "4",  
  "PAPER_RECEIPT": "3"  
}
```

SUCCESS RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2231224144",  
  "SERIAL_NO": "B99300129105",  
  "REPORTS": "1",  
  "TOTAL_TRAN_COUNT": "7",  
  "AMOUNT": "53909",  
  "BATCH_NO": "255",  
  "TIP_AMOUNT": "3000",  
  "DATE": "13-12-2022 05:14:03"  
}
```

FAILURE RESPONSE - FORMAT 1

```
{  
  "STATE": "-1",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "DOWNLOAD_STATUS": "NO TRANSACTION AVAILABLE"  
}
```

FAILURE RESPONSE - FORMAT 2

```
{  
  "STATE": "-1",  
  "EPI": "2319923414",  
  "SERIAL_NO": "125192037342",  
  "DOWNLOAD_STATUS": "CLERK ID MUST BE ENABLE FOR TIP REPORT"  
}
```

POST AUTH – FORMAT 1

- POST_AUTH will be a Tran number and card number-based transaction to increase the already performed pre-auth amount.
- POST_AUTH will be supported as signature-based transaction.
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE": "1",  
  "TRAN_CODE": "64",  
  "TRAN_NO": "1",  
  "AMOUNT": "1000",  
  "SIGNATURE": "1",  
  "PAPER_RECEIPT": "2",  
  "MOBILE_ENTRY": "0"  
}
```

RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2231224144",  
  "SERIAL_NO": "B99300129105",  
  "EPI": "2231224144",  
  "STATE": "0",  
  "ISSUER": "VISA",  
  "TRAN_TYPE": "Credit",  
  "TRAN_METHOD": "Post Auth",  
  "AMOUNT": "10000",  
  "PARTIAL": "0",  
  "MASKED_PAN": "4111 **** * 1111",  
  "ENTRY_MODE": "TAP",  
  "DATE": "07082024 01:25:12",  
  "RRN": "422005500295",  
  "CODE": "TAS459",  
  "AUTH_RSP_TEXT": "APPROVAL TAS459 ",  
  "TRAN_NO": "16",  
  "BATCH_NO": "241",  
  "FOOD_BAL_AMOUNT": "0",  
  "CASH_BAL_AMOUNT": "0",  
  "MARKET_BAL_AMOUNT": "0",  
  "TOTAL_AMOUNT": "10000",  
  "TXN_ID": "6730625",  
  "STAN_ID": "48"  
}
```


POST AUTH – FORMAT - 2

- POST_AUTH will be a Tran number and card number-based transaction to increase the already performed pre-auth amount.
- POST_AUTH will be supported as signature-based transaction.
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{  
  "TRAN_MODE": "1",  
  "TRAN_CODE": "64",  
  "CARD_NO": "1111",  
  "AMOUNT": "1000",  
  "SIGNATURE": "1",  
  "PAPER_RECEIPT": "2",  
  "MOBILE_ENTRY": "0"  
}
```

RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2231224144",  
  "SERIAL_NO": "B99300129105",  
  "EPI": "2231224144",  
  "STATE": "0",  
  "ISSUER": "VISA",  
  "TRAN_TYPE": "Credit",  
  "TRAN_METHOD": "Post Auth",  
  "AMOUNT": "10000",  
  "PARTIAL": "0",  
  "MASKED_PAN": "4111 **** * 1111",  
  "ENTRY_MODE": "TAP",  
  "DATE": "07082024 01:25:12",  
  "RRN": "422005500295",  
  "CODE": "TAS459",  
  "AUTH_RSP_TEXT": "APPROVAL TAS459",  
  "TRAN_NO": "16",  
  "BATCH_NO": "241",  
  "FOOD_BAL_AMOUNT": "0",  
  "CASH_BAL_AMOUNT": "0",  
  "MARKET_BAL_AMOUNT": "0",  
  "TOTAL_AMOUNT": "10000",  
  "TXN_ID": "6730625",  
  "STAN_ID": "48"  
}
```

SPLIT SALE-FORMAT 1

- Split the transaction amount by 2, without any retry and without allowing to edit the split amount.

REQUEST

```
{
  "TRAN_MODE":"1",
  "TRAN_CODE":"1",
  "AMOUNT":"1000",
  "TIP_ENTRY":"1",
  "TIP_EDITABLE":"1",
  "ONLINETIP_CONFIRM":"1",
  "TIP_AMOUNT":"100",
  "SIGNATURE":"1",
  "PAPER_RECEIPT":"2",
  "MOBILE_ENTRY":"0",
  "CANCEL_CONFIRMATION":"0",
  "REQ_TXN_ID":"1234",
  "SPLIT_BY":"2",
  "SPLIT_EDITABLE":"0",
  "SPLIT_RETRY_ALLWD":"0",
}
```

RESPONSE

```
{
  "STATE": "0",
  "SPLIT_TXN": "1",
  "SERIAL_NO": "B98100000177",
  "EPI": "2231224144",
  "ORIGINAL_AMOUNT": "1000",
  "APPROVED_TOTAL_AMOUNT": "1000",
  "AMOUNT_DUE": "0",
  "TIP_AMOUNT_DUE": "100",
  "CASHBACK_AMOUNT_DUE": "0",
  "TXN_DETAILS":
  [ {
    "STATE": "0",
    "ISSUER": "CASH",
    "TRAN_TYPE": "Cash",
    "TRAN_METHOD": "Cash Sale",
    "AMOUNT": "500",
    "STATE_TAX": "6",
    "SURCHARGE_AMOUNT": "6",
    "PARTIAL": "0",
    "ENTRY_MODE": "MANUAL",
    "DATE": "24072024 05:53:20",
    "RRN": "000006652961",
    "TRAN_NO": "32",
    "BATCH_NO": "230",
    "TOTAL_AMOUNT": "206",
    "TXN_ID": "6652961",
    "STAN_ID": "191",
    "SPLIT_NO": "1",
    "SPLIT_AMOUNT_DUE": "500",
    "TIP_AMOUNT_DUE": "100",
    "CASHBACK_AMOUNT_DUE": "0"
  }
]
```

```

    },
    {
      "STATE": "0",
      "ISSUER": "CASH",
      "TRAN_TYPE": "Cash",
      "TRAN_METHOD": "Cash Sale",
      "AMOUNT": "500",
      "STATE_TAX": "6",
      "SURCHARGE_AMOUNT": "6",
      "PARTIAL": "0",
      "ENTRY_MODE": "MANUAL",
      "DATE": "24072024 05:53:28",
      "RRN": "000006652967",
      "TRAN_NO": "33",
      "BATCH_NO": "230",
      "TOTAL_AMOUNT": "206",
      "TXN_ID": "6652967",
      "STAN_ID": "192",
      "SPLIT_NO": "2"
    }
  ]
}

```

SPLIT SALE-FORMAT 2

- Split the transaction amount by 2, without any retry and with allowing to edit the split amount.

REQUEST

```

{
  "TRAN_MODE": "1",
  "TRAN_CODE": "1",
  "AMOUNT": "1000",
  "TIP_ENTRY": "1",
  "TIP_EDITABLE": "1",
  "ONLINETIP_CONFIRM": "1",
  "TIP_AMOUNT": "100",
  "SIGNATURE": "1",
  "PAPER_RECEIPT": "2",
  "MOBILE_ENTRY": "0",
  "CANCEL_CONFIRMATION": "0",
  "REQ_TXN_ID": "1234",
  "SPLIT_BY": "2",
  "SPLIT_EDITABLE": "1",
  "SPLIT_RETRY_ALLWD": "0",
}

```

RESPONSE

```

{
  "STATE": "0",
  "SPLIT_TXN": "1",
  "SERIAL_NO": "B98100000177",
  "EPI": "2231224144",
  "ORIGINAL_AMOUNT": "1000",
  "APPROVED_TOTAL_AMOUNT": "1000",
  "AMOUNT_DUE": "0",
  "TIP_AMOUNT_DUE": "100",
  "CASHBACK_AMOUNT_DUE": "0",
}

```

```

"TXN_DETAILS":
[ {
  "STATE": "0",
  "ISSUER": "CASH",
  "TRAN_TYPE": "Cash",
  "TRAN_METHOD": "Cash Sale",
  "AMOUNT": "500",
  "STATE_TAX": "6",
  "SURCHARGE_AMOUNT": "6",
  "PARTIAL": "0",
  "ENTRY_MODE": "MANUAL",
  "DATE": "24072024 05:53:20",
  "RRN": "000006652961",
  "TRAN_NO": "32",
  "BATCH_NO": "230",
  "TOTAL_AMOUNT": "206",
  "TXN_ID": "6652961",
  "STAN_ID": "191",
  "SPLIT_NO": "1",
  "SPLIT_AMOUNT_DUE": "500",
  "TIP_AMOUNT_DUE": "100",
  "CASHBACK_AMOUNT_DUE": "0"
},
{
  "STATE": "0",
  "ISSUER": "CASH",
  "TRAN_TYPE": "Cash",
  "TRAN_METHOD": "Cash Sale",
  "AMOUNT": "500",
  "STATE_TAX": "6",
  "SURCHARGE_AMOUNT": "6",
  "PARTIAL": "0",
  "ENTRY_MODE": "MANUAL",
  "DATE": "24072024 05:53:28",
  "RRN": "000006652967",
  "TRAN_NO": "33",
  "BATCH_NO": "230",
  "TOTAL_AMOUNT": "206",
  "TXN_ID": "6652967",
  "STAN_ID": "192",
  "SPLIT_NO": "2"
}
]
}

```

SPLIT SALE-FORMAT 2

- Split the transaction amount by 2, with retry and without allowing to edit the split amount.

REQUEST

```

{
  "TRAN_MODE": "1",
  "TRAN_CODE": "1",
  "AMOUNT": "1000",
  "TIP_ENTRY": "1",
  "TIP_EDITABLE": "1",
  "ONLINETIP_CONFIRM": "1",
  "TIP_AMOUNT": "100",
  "SIGNATURE": "1",

```

```
"PAPER_RECEIPT": "2",
"MOBILE_ENTRY": "0", "
"CANCEL_CONFIRMATION": "0",
"REQ_TXN_ID": "1234"
"SPLIT_BY": "2",
"SPLIT_EDITABLE": "0",
" SPLIT_RETRY_ALLWD": "1",
}
```

RESPONSE

```
{
  "STATE": "0",
  "SPLIT_TXN": "1",
  "SERIAL_NO": "B98100000177",
  "EPI": "2231224144",
  "ORIGINAL_AMOUNT": "1000",
  "APPROVED_TOTAL_AMOUNT": "1000",
  "AMOUNT_DUE": "0",
  "TIP_AMOUNT_DUE": "100",
  "CASHBACK_AMOUNT_DUE": "0",
  "TXN_DETAILS":
  [ {
    "STATE": "0",
    "ISSUER": "CASH",
    "TRAN_TYPE": "Cash",
    "TRAN_METHOD": "Cash Sale",
    "AMOUNT": "500",
    "STATE_TAX": "6",
    "SURCHARGE_AMOUNT": "6",
    "PARTIAL": "0",
    "ENTRY_MODE": "MANUAL",
    "DATE": "24072024 05:53:20",
    "RRN": "000006652961",
    "TRAN_NO": "32",
    "BATCH_NO": "230",
    "TOTAL_AMOUNT": "206",
    "TXN_ID": "6652961",
    "STAN_ID": "191",
    "SPLIT_NO": "1",
    "SPLIT_AMOUNT_DUE": "500",
    "TIP_AMOUNT_DUE": "100",
    "CASHBACK_AMOUNT_DUE": "0"
  },
  {
    "STATE": "0",
    "ISSUER": "CASH",
    "TRAN_TYPE": "Cash",
    "TRAN_METHOD": "Cash Sale",
    "AMOUNT": "500",
    "STATE_TAX": "6",
    "SURCHARGE_AMOUNT": "6",
    "PARTIAL": "0",
    "ENTRY_MODE": "MANUAL",
    "DATE": "24072024 05:53:28",
    "RRN": "000006652967",
    "TRAN_NO": "33",
    "BATCH_NO": "230",
    "TOTAL_AMOUNT": "206",
    "TXN_ID": "6652967",
  }
]
```

```

        "STAN_ID": "192",
        "SPLIT_NO": "2"
    }
}

```

SPLIT SALE-FORMAT 4

- Split the transaction amount by 5, without any retry and with allowing to edit the split amount. (With Decline).

REQUEST

```

{
    "TRAN_MODE": "1",
    "TRAN_CODE": "1",
    "AMOUNT": "1000",
    "TIP_ENTRY": "1",
    "TIP_EDITABLE": "1",
    "ONLINETIP_CONFIRM": "1",
    "TIP_AMOUNT": "100",
    "SIGNATURE": "1",
    "PAPER_RECEIPT": "2",
    "MOBILE_ENTRY": "0",
    "CANCEL_CONFIRMATION": "0",
    "REQ_TXN_ID": "1234",
    "SPLIT_BY": "5",
    "SPLIT_EDITABLE": "1",
    "SPLIT_RETRY_ALLWD": "0",
}

```

RESPONSE

```

{
    "STATE": "-1",
    "EPI": "2319923414",
    "SERIAL_NO": "118214503188",
    "SPLIT_TXN": "1",
    "ORIGINAL_AMOUNT": "1000",
    "APPROVED_TOTAL_AMOUNT": "642",
    "AMOUNT_DUE": "358",
    "TIP_AMOUNT_DUE": "0",
    "CASHBACK_AMOUNT_DUE": "0",
    "TXN_DETAILS":
    [
        {
            "STATE": "0",
            "TRAN_TYPE": "Credit",
            "TRAN_METHOD": "Sale",
            "TXN_ID": "6659102",
            "AMOUNT": "194",
            "TIP_AMOUNT": "103",
            "STATE_TAX": "6",
            "PARTIAL": "0",
            "SPLIT_NO": "1",
            "SPLIT_DUE_AMT": "800",
            "SURCHARGE_AMOUNT": "6",
            "MASKED_PAN": "5256*****1110",
            "ENTRY_MODE": "SWIPE",
            "EXPIRY_DATE": "2512",
            "RRN": "420710501034",
            "CARDHOLDER_NAME": "FDCCS TEST CARD /MASTERCARD",
            "CODE": "VTLMC1",
        }
    ]
}

```

```
"AUTH_RSP_TEXT": "APPROVAL VTLMC1 ",
"DATE": "25072024 06:34:12",
"TRAN_NO": "55",
"BATCH_NO": "7",
"ISSUER": "MASTERCARD",
"TOTAL_AMOUNT": "309",
"STAN_ID": "77"
},
{
"STATE": "-1",
"TXN_ID": "6659108",
"ERROR_CODE": "V0576",
"ERROR_MSG": "Address verification failed",
"SPLIT_NO": "2",
"SPLIT_DUE_AMT": "600"
},
{
"STATE": "-1",
"TXN_ID": "6659120",
"ERROR_CODE": "V0576",
"ERROR_MSG": "Address verification failed",
"SPLIT_NO": "3",
"SPLIT_DUE_AMT": "400"
},
{
"STATE": "0",
"TRAN_TYPE": "Cash",
"TRAN_METHOD": "Cash Sale",
"TXN_ID": "6659126",
"AMOUNT": "194",
"STATE_TAX": "6",
"PARTIAL": "0",
"SPLIT_NO": "4",
"SPLIT_DUE_AMT": "200",
"SURCHARGE_AMOUNT": "6",
"MASKED_PAN": "4111*****1111",
"ENTRY_MODE": "MANUAL",
"EXPIRY_DATE": "2512",
"RRN": "000006659126",
"CARDHOLDER_NAME": "FDCS TEST CARD /MASTERCARD",
"CODE": "VTLMC1",
"AUTH_RSP_TEXT": "APPROVAL VTLMC1 ",
"DATE": "25072024 06:35:27",
"TRAN_NO": "56",
"BATCH_NO": "7",
"ISSUER": "CASH",
"TOTAL_AMOUNT": "206",
"STAN_ID": "80"
},
{
"STATE": "0",
"TRAN_TYPE": "Cash",
"TRAN_METHOD": "Cash Sale",
"TXN_ID": "6659129",
"AMOUNT": "194",
"STATE_TAX": "6",
"PARTIAL": "0",
"SPLIT_NO": "5",
"SURCHARGE_AMOUNT": "6",
"MASKED_PAN": "4111*****1111",
```

```

        "ENTRY_MODE": "MANUAL",
        "EXPIRY_DATE": "2512",
        "RRN": "000006659129",
        "CARDHOLDER_NAME": "FDCCS TEST CARD /MASTERCARD",
        "CODE": "VTLMC1",
        "AUTH_RSP_TEXT": "APPROVAL VTLMC1 ",
        "DATE": "25072024 06:35:37",
        "TRAN_NO": "57",
        "BATCH_NO": "7",
        "ISSUER": "CASH",
        "TOTAL_AMOUNT": "206",
        "STAN_ID": "81"
    }
}

```

SPLIT FAILURE-FORMAT

- Split the transaction amount by 2, with retry and without allowing to edit the split amount (Clear Split).

REQUEST

```

{
    "TRAN_MODE": "1",
    "TRAN_CODE": "1",
    "AMOUNT": "1000",
    "TIP_ENTRY": "1",
    "TIP_EDITABLE": "1",
    "ONLINETIP_CONFIRM": "1", s
    "TIP_AMOUNT": "100",
    "SIGNATURE": "1",
    "PAPER_RECEIPT": "2",
    "MOBILE_ENTRY": "0", "
    "CANCEL_CONFIRMATION": "0",
    "REQ_TXN_ID": "1234"
    "SPLIT_BY": "2",
    "SPLIT_EDITABLE": "0",
    "SPLIT_RETRY_ALLWD": "1",
}

```

RESPONSE

```

{
    "STATE": "-1",
    "EPI": "2319923414",
    "SERIAL_NO": "125201900259",
    "SPLIT_TXN": "1",
    "ORIGINAL_AMOUNT": "1000",
    "APPROVED_TOTAL_AMOUNT": "0",
    "AMOUNT_DUE": "1000",
    "TIP_AMOUNT_DUE": "100",
    "CASHBACK_AMOUNT_DUE": "0",
    "TXN_DETAILS": [
        {
            "STATE": "-1",
            "TXN_ID": "6669647",
            "ERROR_MSG": "Clear Split Transaction",
            "SPLIT_NO": "1",
            "SPLIT_DUE_AMT": "1000"
        }
    ]
}

```


CANCEL TRANSACTION

- Applicable for cloud connects cloud connection types. For Semi-integration, cancel transaction only support from second port as 5001.
- Set the **TRAN_MODE** as 99 to cancel the first payload request
- Cancel Transaction will be supported only before the card is presented.
- This mode is used to cancel the first payload process in terminal.
- Terminal will send the response to the subscribed STATUS topic only when the terminal is processing the transaction after the card entry.

REQUEST

```
{  
  "TRAN_MODE": "99",  
  "REQ_TXN_ID": "1234"  
}
```

RESPONSE – FORMAT 1 (BEFORE CARD PRESENT)

```
{  
  "STATE": "-1",  
  "ERROR_MSG": "TRANSACTION CLEARED SUCCESSFULLY",  
  "MER_TXN_ID": "1234"  
}
```

CUSTOMIZE PROMPT

- Set the **TRAN_MODE** as 98.
- CUSTOM_PROMPT length must be 1 to 40 characters.
- USER_ENTRY_TYPE must be 1 to 3.
 - 1 – ALPHANUMERIC (Special characters allowed)
 - 2 – NUMERIC
 - 3 – ALPHANUMERIC (NO Special characters)
- USER_ENTRY_TYPE above 3 will be treated as 1 (ALPHANUMERIC)
- Cancel works as CANCEL_CONFIRMATION (0 or 1)
- USER_INPUT must be 1 to 20 characters

REQUEST FORMAT 1

```
{  
  "TRAN_MODE": "98",  
  "CUSTOM_PROMPT": "What is Your Favorite Sports?",  
  "USER_ENTRY_TYPE": "1",  
  "CANCEL_CONFIRMATION": "1"  
}
```

SUCCESS RESPONSE

```
{  
  "STATE": "0",  
  "EPI": "2319923414",  
  "SERIAL_NO": "118214503188",  
  "CUSTOM_PROMPT": "What is Your Favorite Sports?",  
  "USER_ENTRY": "Football"  
}
```

REQUEST FORMAT 2

```
{
  "TRAN_MODE": "98",
  "CUSTOM_PROMPT": "What is Your Favorite Sports and what is your Favorite Book?",
  "USER_ENTRY_TYPE": "1",
  "CANCEL_CONFIRMATION": "1"
}
```

FAILURE RESPONSE

```
{
  "STATE": "-1",
  "EPI": "2319923414",
  "SERIAL_NO": "118214503188",
  "ERROR_MSG": "Prompt Data Length Exceeded. Maximum 40Characters Allowed"
}
```

CUSTOMIZE RECEIPT

- Set the **TRAN_MODE** as 97.

REQUEST

```
{
  "TRAN_MODE": "97",
  "PAYLOAD": "<xml><text align=\"left\" size=\"large\" style=\"bold\"> <data>Welcome  
</data></text><feed times = \"5\"></feed><text  
section=\"trisection\" size=\"normal\"  
style=\"bold\"><data>welcome</data><data>To</data><data>Cloud</data></text><  
t ext align=\"justify\" size=\"large\"  
style=\"bold\"><data>Welcome</data><data>Cloud</data> </text><text  
section=\"bisection\"  
size=\"small\"><data>Welcome</data><data>Cloud</data></text><img data=\"base64  
formatted data.\"/><qr data=\"qr data\"/></xml>"
}
```

RESPONSE – FORMAT

```
{
  "STATE": "0",
  "EPI": "2319923414",
  "SERIAL_NO": "118214503188"
}
```

SWITCH RESPONSE CODES

Response Code	Description
00	Approved
01	Refer to issuer
02	Refer to issuer-Special condition
03	Invalid Merchant ID
04	Pick up card (no fraud)
05	Do not honor
06	General error
07	Pick up card, special condition (fraud account)
08	Honor Mastercard with ID
10	Approve for partial amount
11	Approve VIP
12	Invalid transaction
13	Invalid amount
14	Invalid account number
15	No such issuer
19	Re-enter transaction
21	Unable to back out transaction
25	Unable to locate the account number
28	File is temporarily unavailable
30	Format error
33	Unmatched card expiry date
34	Suspected counterfeit card
39	No credit account
41	Lostcard, pick up (fraud account)
43	Stolencard, pick up (fraud account)
51	Insufficient funds
52	No checking account
53	No savings account
54	Expired card
55	Incorrect PIN
55	Incorrect PIN or PIN length error
56	No card record
57	Transaction not permitted to cardholder

58	Transaction not permitted to terminal
61	Exceeds withdrawal limit
62	Invalid service code, restricted
63	Security violation
65	Activity limit exceeded
75	PIN tried exceeded
76	Unable to locate, no match
77	Inconsistent, reversed, or repeat data
78	No account
79	Already reversed at switch
80	No Financial impact (used in reversal responses to decline originals)
81	Cryptographic error
82	CVV data is not correct
83	Cannot verify PIN
85	No reason to decline
86	Cannot verify PIN
91	Issuer unavailable or switch inoperative
92	Destination not found
93	Violation, cannot complete
94	Unable to locate, no match
96	System malfunction
A1	POS device authentication successful
A2	POS device authentication not successful
A3	POS device deactivation successful
B1	Surcharge amount not permitted on debit cards or EBT food stamps
B2	Surcharge amount not supported by debit network issuer
CV	Card Type Verification Error
D3	Transaction failure due to missing or invalid 3D-Secure cryptogram
E1	Encryption is not configured
E2	Terminal is not authenticated
E3	Data could not be decrypted
EA	Verification error
EB	Verification error
EC	Verification error

HV	Hierarchy Verification Error
K0	Token request was processed
A1	POS device authentication successful
A2	POS device authentication not successful
A3	POS device deactivation successful
B1	Surcharge amount not permitted on debit cards or EBT food stamps
B2	Surcharge amount not supported by debit network issuer
CV	Card Type Verification Error
D3	Transaction failure due to missing or invalid 3D-Secure cryptogram
E1	Encryption is not configured
E2	Terminal is not authenticated
E3	Data could not be decrypted
EA	Verification error
EB	Verification error
EC	Verification error
HV	Hierarchy Verification Error
K0	Token request was processed
K1	Tokenization is not configured
K2	Terminal is not authenticated
K3	Data could not be de-tokenized
M0	Mastercard: Canada region-issued Domestic Debit Transaction not allowed
N3	Cash back service not available
N4	Exceeds issuer withdrawal limit
N7	CVV2 Value supplied is invalid
P0	Contact Merchant Services/Technical Support
P1	Contact Merchant Services/Technical Support
P2	Contact Merchant Services/Technical Support
P3	Contact Merchant Services/Technical Support
P4	Contact Merchant Services/Technical Support
P5	Contact Merchant Services/Technical Support
P6	Contact Merchant Services/Technical Support
Q1	Card authentication failed
R0	Customer requested stop of specific recurring payment
R1	Customer requested stop of all recurring payments from specific merchant

R3	All recurring payments have been canceled for the card number in the request
S0	The PAN used in the transaction is inactive.
S1	The Mod-10 check failed.
S5	Decline – no preauthorization found.
S9	Maximum working balance exceeded.
SA	The Authorization Server is shut down.
SB	Invalid card status – status is other than active
SC	Unknown dealer/store code – special edit.
SD	Maximum number of recharges is exceeded.
SE	Card was already used.
SF	Manual transactions not allowed.
SH	Transaction type was unknown.
SJ	An invalid tender type was submitted.
SK	An invalid customer type was submitted. PIN was locked.
SL	The maximum number of redemptions was exceeded.
SM	The maximum number of PAN tries was exceeded.
SP	The card was already issued.
SR	The card was not issued.
SS	First check is okay and has been converted.
T0	The check is okay but cannot be converted.
T1	This is a declined transaction.
T2	Invalid ABA number, not an ACH participant.
T3	Amount greater than the limit.
V1	Daily threshold exceeded.

ERROR MESSAGE FOR PAYLOAD TAGS

TAGS	VALUE / CAUSE	ERROR MESSAGE
AMOUNT	Value 0 OR < 0	Invalid Amount
SERIAL_NO	Not matched with the current terminal serial number	Invalid Serial Number
DOWNLOAD_TAG	Value >10 or < 11	Invalid Request
AMOUNT	Given amount > 99999.99	Amount Length Exceeded. Allowed Maximum 99999.99
TIP_AMOUNT	Value 0 or < 0	Invalid Amount
TIP_AMOUNT	Given amount > 99999.99	Tip Amt Length Exceeded. 99999.99 Allowed Maximum
CASHBACK_AMOUNT	Given amount > 99999.99	Cash Amt Length Exceeded. Allowed Maximum 99999.99
CASHBACK_AMOUNT	Given Cashback Amount is Exceeded	Cashback Value. Max Reached...!!
TIP_ENTRY	Value < 0 or > 1	Invalid Request
TIP_EDITABLE	Value < 0 or > 1	Invalid Request
PAPER_RECEIPT	Value < 0 or > 3	Invalid Request
SIGNATURE	Value < 0 or > 1	Invalid Request
MOBILE_ENTRY	Value < 0 or > 1	Invalid Request
MOBILE_NUMBER	Value Equal < 0 && Not to 10	Invalid Request
TRAN_MODE	Value Not Equal to 0 for VOID, TICKET, TIPADJ, REPRINT and SETTLE / Value Not Equal to 1(CREDIT) for PREAUTH and POSTAUTH	Invalid Transaction Type
CANCEL_CONFIRMATION	Value < 0 or > 1	Invalid Request

ONLINETIP_CONFIRM	Value < 0 or > 1	Invalid Request
SPLIT_EDITABLE	Value < 0 or > 1	Invalid Request
SPLIT_RETRY_ALLOWED	Value < 0 or > 1	Invalid Request
DISPLAY_ITEM	Value < 0 or > 1	Invalid Request
VAS_LABEL1	Value > 16	Invalid Character length in Vas Label or Data Property
VAS_LABEL2	Value > 16	Invalid Character length in Vas Label or Data Property
VAS_DATA1	Value > 30	Invalid Character length in Vas Label or Data Property
VAS_DATA2	Value > 30	Invalid Character length in Vas Label or Data Property
product_code	Value >12 or 0	Invalid Request
Quantity	<= 0 or > 999	Invalid Request
Total	Value 0 or < 0	Invalid Amount
Total	Given Amount > 99999.99	Line Item Amount Length Exceeded. Allowed Maximum 99999.99
discountName	>25 or 0	Invalid Request
amountType	Not Valid number or >1	Invalid Request
discountValue	Given amount > 99999.99	Discount Amount Length Exceeded. Allowed Maximum 99999.99
TAXABLE_AMOUNT	Value 0 or < 0	Invalid Amount
VOID_CONFIRMATION	Value < 0 or > 1	Invalid Request
TICKET_CONFIRMATION	Value < 0 or > 1	Invalid Request
REPRINT_CONFIRMATION	Value < 0 or > 1	Invalid Request
TIP_CONFIRMATION	Value < 0 or > 1	Invalid Request
WARNING_CONFIRM	Value < 0 or > 1	Invalid Request
AMT_CONFIRM	Value < 0 or > 1	Invalid Request

TRAN_NO	Value 0 or < 0	Tran or Card Number is Empty
CARD_NO	Value 0 or < 0	Tran or Card Number is Empty
SETTLEMENT_CONFIRMATION	Value < 0 or > 1	Invalid Request
REPORTS	Value < 0 or > 4	Invalid Request

ERROR MESSAGE FROM POS

Error Code	Error Description
01XXXXXX - Display	LCD Out Of Range LCD Mode Not Support LCD Language Not Support LCD Font Size Not Support LCD Parameter Not Support Window Bottom Reached LCD Pic Format Not Support LCD Picture Open Failed Invalid Password Invalid PIN Invalid IP Address Try Again! Invalid Amount...!!! Transaction Canceled Display Error
02XXXXXX - Buzzer	Buzzer Invalid Parameters Buzzer Fault Buzzer Error
03XXXXXX - Clock	Real Time Clock Invalid Parameter Real Time Clock Fault Real Time Clock Invalid Time Zone Clock Error
04XXXXXX - KeyBoard	Timer Invalid Parameters Timer Fault Timer Error
05XXXXXX - Timer	Pick up card (no fraud)

07XXXXXX - LCD	Do not honor LED Invalid Parameters LED Fault LCD Back light Not Supported LCD Back light Invalid Parameters LED Error
09XXXXXX - WIFI	Connection Failed Invalid SSID Parameters Connection Failed Invalid SSID Configuration WiFi Not Open Try Again Later WiFi issue Try Again Later WiFi Processing Please Wait WiFi Connection Timeout Try Again Later WiFi Connection Canceled Try Again Later WiFi Scan Failed Try Again Later WiFi Connect Failed Try Again Later WiFi Auth Failed Try Again Later WiFi Issue Try Again Later
10XXXXXX - GPRS	GSM Select Failed GSM Open Failed GSM Send Failed GSM No Response GSM Response Format Error GSM Initial Failed GSM Command Failed GSM SIM Ready GSM SIM Not Ready GSM No Authentication Needed GSM PIN Authentication GSM PUK Authentication GSM PIN2 Authentication GSM PUK2 Authentication GSM Other Authentication GSM SIM Locked GSM SIM Not Locked GSM Bad Parameters Phone Book Format Error GSM Buffer Overflow

	GSM Record Not Found GSM SMS One Line GSM SMS Two Line GSM Sim Select Failed GSM IO Processing GSM Not Supported GSM Unknown Module GSM INIT Cancel GSM IO Busy GSM No Carrier GSM SIM Card Not Present Please Insert SIM Try Again GSM Error
11XXXXXX - Ethernet	Ethernet Invalid Parameter Ethernet Open Failed Ethernet Not Connected Ethernet Timeout Ethernet Buffer Error Ethernet Command Invalid Response Ethernet Command Failed Ethernet Not Supported Ethernet Not Data Mode Ethernet Already Open Ethernet Hardware Error Ethernet DNS Invalid Format Ethernet DNS Server Failed Ethernet DNS Issue Ethernet DNS Server Refused Ethernet is Disabled Ethernet Error
12XXXXXX - TCP	Connection To Server Failed Sending Failed Received Failed Socket Close Failed TCP Error
13XXXXXX - File	File Error
14XXXXXX - SQLite	-
15XXXXXX -	

Logger	
16XXXXXX - JSON	JSON Failed Format Failed! Download Failed! Parse Failed! - JSON Error
17XXXXXX - ISO Switch Error's	-
18XXXXXX - ISO Host Error's	Host Error
19XXXXXX - Key Management	Invalid Parameters General Error System Error Key Does Not Belongs to Calling Application Key Not Present Key Type Incorrect Key Attributes Not Allowed To use Key Invalid Verification Code Key Function Not Supported Key Certificate Format Incorrect Key Hash Incorrect Key Certificate Values Incorrect Key Buffer Insufficient Dukpt Key Not Yet Generated Pin Entry Cancelled Pin Entry Timed-Out Empty Pin PKCS Format Error Key Value Not Unique Key Type Mismatch Max KSN Reached Key Attribute Is Not Unique Key Management Error
20XXXXXX - Printer	Printer OverHeat Please Try Again! Out Of Paper Please Load Paper Print Error/Failed

21XXXXXX - Get Column From SQL	
22XXXXXX - Battery	Please Insert Battery...!!! Please Connect Charger Battery Power Is Low Battery Power Is Very Low Try After Sometime Battery Error -
23XXXXXXX - TMS Param	Invalid Request EPI ID Empty Action Empty Package ID Empty General Error Invalid Service Code Please Contact Admin No Parameters Configured EPI ID Is Not Active Incorrect Device Mapping EPI ID Is Not Boarded Incorrect Operation Code JSON Data Not Found Invalid DID Invalid Serial Number Configured Invalid HDUID EPI ID Is Locked Invalid OTP Invalid Param File TMS Error/Failed
24XXXXXX - Curl Error	Curl Bad Request Curl Auth Failed Curl Forbidden Invalid TMS URL Curl Not Allowed Curl Not Acceptable Curl Auth Required Curl Request Timeout Curl Conflict Curl Error Curl Length Required Curl Precondition Failed

	Curl Url Too Long Curl Unsupported Media Internal Server Error URL Not Implemented Curl Bad Gateway Server Unavailable Server Gateway Timeout
25XXXXXX - Touch	-
26XXXXXX - Signature	Invalid Response Signature Upload Error
27XXXXXX - EMV	Buffer Size Exceeded Invalid Parameter Critical Mistake EMV Lib Selection Failed Terminal Data Missing EMV Lib Data Not Found Application Blocked Function Not Supported Operation Not Allowed Invalid Amount Transaction Aborted Transaction Aborted By User Card Problem Error Set Failed CAPK List Empty Terminal/Card Data Missing Buffer Not Enough Buffer OverFlow Set CDA Buffer Error Set CDA Failed Pin Bypass Buffer Error Pin Bypass Failed Config File Read Failed No Active Index Terminal Set Data Failed Set Application List Failed Set Application Tag Data Failed

Set CAPK Failed
Default Data Set Data Failed
EMV Library Load Failed
CAPK Hash Failed
Invalid Input
Set Param Failed
Get Param Failed
Storage Error
App Select Event Callback Not Set
App List Event Callback Not Set
Transaction Data Callback Not Set
Online Event Callback Not Set
Issuer Result Callback Not Set
Txn Result Event Callback Not Set
Txn Result Buffer Not Set
Invalid Version In EMV Callback
Pin Notify Event Callback Not Set
Set AppData Event Callback Not Set
Candidate List Full
Exchange APDU Failed
Application Not Allowed
EMV IAP Failed
9F4A Rule Error
Key Not Found
Pan Mismatch
Empty DDOL
Internal Authentication Failed
SDA Length Mismatch
ODA Method Mismatch
Read Tag Type Mismatch
App Effective Date Not Found
CVM Not Supported
CVM List Not Found
Get Data Cmd Failed
GACI Failed
CVM IDCARD Verify
Appllication Blocked
DDAAC Failed

Online Fail Approval
GADC1 Wrong CID
GAC2 Failed
ADF Unknown Tag
ADF Data Missing
FCI Data Error
Invalid TLV
TLV Parse Failed
TLV Exceed Max Length
GACI Format 1 Error
AIP Missing
9F37 Missing in DDOL
SDA Data Error
SDA Algorithm Not Supported
DDA Data Error
DDA Algorithm Not Supported
DDAAC Data Error
DDAAC Algorithm Not Supported
Key Length Mismatch
DDAAC Hash1 Error
DDAAC Hash2 Error
Issuer Cert Not Found
Issuer Cert Format Invalid
Issuer IIN and Pan Mismatch
CAPK Algorithm Not Supported
CAPK Length Error
CAPK Has Expired
CAPK HASH Mismatched
CAPK Exponent Missing
CAPK Reminder Missing
Card CAPK Not Found
Card CAPK Format Error
Card CAPK Algorithm Not Supported
Card CAPK Length Error
Card CAPK Invalid Hash
CARD CAPK Has Expired
CARD CAPK Exponent Missing
CARD PK Not Found

CARD Certificate Reminder Missing
Pin Certificate Not Exist
Pin Certificate Length Error
Pin Certificate Format Error
Pin Certificate Algorithm Not Supported
Pin Hash Mismatch
Pin Certificate Has Expired
Pin Certificate Length Error
Read Pin Try Count Failed
Plain Text Pin Not Entered
Invalid Response For Plain Pin
Terminal Not Supported Specify CVM
Online Pin Not Entered
Enciphered Pin Not Entered
Invalid Response For Enciphered Pin
GAC Unknown Tag
Terminal Data Missing
Multiple Card Data
Card Data Buffer Overflow
Online Fail Declined
Issuer Cert CAPKI Not Found
DDAAC Fail Need GAC2
SFI Template Rule Wrong
Pin Blocked
IAP Bad Padding
GAC ATC Length Mismatched
GAC Data Missing
Pin Certificate Exponent Not Found
GAC AC Length Mismatch
GAC CID Length Mismatch
Offline Declined
Offline Approved
Online Approved
Online Declined
Online Declined Reversal
CAS Reversal Approved
CAS Reversal Declined
UP Application Unknown SW12

	Critical Error EMV Error
28XXXXX - CLESS	Transaction Canceled Init Tag Set Failed Init CAPK Data Error Init Param Error Init Capability Data Error Init Revocation Data Error Init Exception File Error Cless Data Not Found Contact-less Not Opened Tap Again...!!! Function is Not Supported Currency Payment Not Supported Non-EMV Card...!!! User Canceled App List Failed No AFL Transaction Busy Kernel Not Found Kernel Buffer Overflow User Aborted Transaction Amount Empty Interac Retry is Zero Transaction Data is Received Payment Scheme is Supported General Failure Invalid Data No Such Parameter Invalid Scheme Invalid CAPK Tapped More Than 1 Card No Card Invalid Tags Amount Exceeds/Equal To Tran Limit DEK Signal Please See Phone Zero Amount Not Allowed No Matched Application

	Select PPSE Failed Select AID Failed Cless Error General Error
29XXXXXX - Dial	Modem Invalid Parameter Modem Not Open Modem Not Online Connection Timeout Insufficient Buffer Invalid Response Command Failed Modem Busy Modem Not Supported Modem dialing Modem Listening Modem Already Online Modem Not In ASYN Mode SDLC Not Ready Dial Cable Not Connected Dial Error
30XXXXXX - CARD Present	Card Not Present/Removed
31XXXXXX - TMS App	Invalid Parameter File Not Ready Invalid MMCI Not Found MCI Not Found File Copy Failed File Open Failed File Invalid Format E-Key Invalid E-Sign Invalid Header 2 Invalid Cap File Not Signed CA Key Not Found Signing Key Invalid Invalid Hash Decompress Failed Cap Key Invalid

	Update Finished Reset Terminal Reboot Terminal Continue Download Port Open Failed Key Not Received Verify Failed Sign Not Received Header Not Received Receive Error Receive Timeout Total Timeout Locked Incorrect Password AP Not Exist Timeout App Install Error
32XXXXXX - ISO Response Errors	Invalid Response
33XXXXXX - POWER Related	Param Invalid Power Not Support Resource Not Available Print Error/Failed
34XXXXXX - USB	USB Invalid Paramters USB Not Opened USB Already Opened USB Failed USB Busy USB Not Ready USB Not Exist USB Timeout USB Incorrect Mode USB ID Conflict USB Error
35XXXXXX - RKI	RKI Service Not Ready RKI Sending Failed RKI Received Failed RKI Incorrect Response Format RKI Invalid Parameters RKI File Missing

	Failed to Create Socket Connection Server Timeout Connection Failed Failed To Establish Connection loadVerify location Failed RSAPrivateKey File Failed Certificate File Failed PrivateKey Check Failed Failed to Set File Descriptor Signing Host Login Failed Failed to Get Version Information Response Failed Failed to Get Response Information Failed to Load Credentials Failed to Store Credentials Generate TransPort Key Failed Lost the Terminal Certificate Info Incorrect Format Terminal Certificate Terminal Base64 Decode Error Command Failed To Send Data Command Failed To Receive Data Incorrect Response Format Encryption Failed Failed To Write Key Info Failed To Save File Info Failed to Read CSR Decoder Processing Failed Failed to Get PrivateKey Please Reboot Device To Generate RSA Key Failed to Get Certificate Total Keys are Different Failed to check Certiface Read Failed Failed to Send Request Certiface Certiface Generate Not Support Key Injection Success Generating CSR Decder Please Wait... Key Inject Success But PEDV Fail Key Injection Service Not Support Device Serial Number Locked Connect Server Timeout Request Signing Host Fail!!! Read Configure File Fail!!! Request Command Error Request CKIT HOST Fail Load Configure File Fail!!! Task Name Error RKI Failed
36XXXXXX - Unzip	File Broken Try Again! Out Of Memory! Out of Disk! File Invalid Try Again! Unzip Failed Try Again!
37XXXXXX - SQL	Sqlite Generic Error Sqlite Internal Malfunction Permission Denied Sqlite Operation Aborted Database Busy...!!!

	Database Locked...!!! DB Operation Memory Full Please Restart Terminal DB Operation Interrupted DB I/O Error.. Database Corrupted Disk Full Please Restart Terminal Unable To Open DB Please Restart Terminal DB Lock Protocol Error DB Error DB Scheme Changed Query Length Exceeds Limit Query Constraints Violation Query Data Type Mismatch Undefined/Unsupported Sql interface Large File Not Supported Query Not Authorized SQL Format Error.. Bind/ column Out Of Range Sql Unusual Operation Sql Unusal Advice Another Row Ready Operation Completed Not a Valid Database DATABASE Error..
38XXXXXX - RS232	RS232 Invalid Parameters RS232 Not Opened RS232 Busy RS232 Not Support RS232 Hal Fault RS232 Error
39XXXXXX - MULTI_MID	PARENT JSON FAILED CHILD JSON FAILED CHILD PARAM TMS FAILED CHILD EPI INFO SECTION FAILED CHILD TABLE CREATION FAILED CHILD HDUID FETCH FAILED MERCHANT NAME FETCH FAILED PROFILE-ID FETCH Failed MULTI-MID