

# **VALOR POS INTEGRATION SPECIFICATION**

Version 1.0.7

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## **REVISION HISTORY**

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## **INTRODUCTION**

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

## **CONNECTION**

- **VALORPAY** POS currently designed to connect with **TCP, WEBSOCKET** connection.

### **TCP & WEB SOCKET**

- **VALORPAY POS Integration** application will work only in **ETHERNET** and **WIFI** Terminals.
- POS Integration flag must be enabled in **VALOR TMS** and download Parameter in **VALORPAY** 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**".

## **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)

### **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

#### **Note:**

**VALORPAY** 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 user to select Transaction and Transaction Code from **VALORPAY** 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"}
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 WITHDRAWL	{"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"}

## AMOUNT

- Transaction Amount With cent notation, for eg, one dollar is 100.
- Terminal will display amount confirmation screen based on **VALOR TMS** Flag.

## TRAN\_NO

## CARD\_NO

- **VALORPAY** 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**).
- **VALORPAY** application will display a confirmation screen with Amount, Masked Pan etc. User 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" **VALORPAY** application will prompt confirmation from user otherwise **VALORPAY** application will process **VOID** without any user interaction.

## TIP\_CONFIRMATION

- **VALORPAY** application will display a confirmation screen with Amount, Masked Pan etc. User 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" **VALORPAY** application will prompt confirmation from user otherwise **VALORPAY** application will process **TIP ADJUSTMENT** without any user interaction.

## TICKET\_CONFIRMATION

- **VALORPAY** 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” **VALORPAY** application will prompt confirmation from user otherwise **VALORPAY** application will process **TICKET (COMPLETION)** without any user interaction.

## **TIP\_ENTRY**

- Optional Tag. Used only in **SALE** and **TICKET (COMPLETION)**.
- This flag used to prompt Online Tip while performing **SALE** and **TICKET (COMPLETION)** Transactions.
- Tip Flag Must be Enabled in **VALOR TMS**. **TIP\_ENTRY** will work only if **TIP** Flag & **Pay @ table** option Enabled in **VALOR 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 used to Prompt Signature in Terminal Screen while performing Transactions (**1- Enable/0- Disable**).
- **E-Mail/Print Receipt** flag Must be enabled in **VALOR TMS**. **SIGNATURE** Flag will work only when **E-Mail/Print Receipt** Flag Enabled in **VALOR 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 used to display Mobile number screen with SMS and PRINT Options (**1- Enable/0- Disable**).
- If this flag disabled in Client Application **VALORPAY** won’t show mobile number screen even if Mobile and Print Option enabled in **VALOR TMS**.

## **PAPER\_RECEIPT**

- Flag for Receipt Outcome. Whether charge slip needs to be printed in paper or charge slip need to be send as SMS.
- Possible Values

0	Receipt Concept will Work based on <b>VALOR TMS</b> Configuration
1	Only Electronic Receipt
2	Only Paper Receipt
3	Receipt Concept will Work based on <b>VALOR TMS</b> Configuration

- If **PAPER\_RECEIPT** is **0 or 3**

SMS Receipt and Print Receipt will work as per **VALOR TMS** Configuration. If both flags 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 SMS Receipt Option must be enabled in **VALOR TMS**. Otherwise, **VALORPAY** 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 PRINT Receipt Option must be enabled in **VALOR TMS**. Otherwise, **VALORPAY** application wont display Print Option in Mobile Number screen.

Terminal will display Mobile Number screen If SMS Receipt is enabled in **VALOR 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 enabled in **VALOR TMS**.

## VAS\_LABEL1/ VAS\_LABEL2

## VAS\_DATA1/ VAS\_DATA2

- Flag to prompt Additional data Entry in POS Terminals
- **VALORPAY** 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 didn't send any additional input **VALORPAY** application Will prompt additional input based on **VALOR TMS**.
- **VALOR TMS** have option to enable Addon input Entry (maximum 2). User can choose input type as Numeric, Alphanumeric bases on their convenience.
- **VALORPAY** application will return the same data back to client application.

## CANCEL\_CONFIRMATION

- This flag used to prompt the confirmation when 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 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**.
- 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 & **pay @ table** option must enabled in **VALOR 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** 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 & **pay @ table** option must enabled in **VALOR 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. User can edit the TIP amount. Otherwise, terminal proceed with the TIP amount without popup in TIP screen.

## **WARNING\_CONFIRM**

- This flag used to prompt the warning message when the user doing TIP ADJUSTMENT transaction if the user already given the tip for the original transaction.  
**(1- Enable/0- Disable)**.
- POS will not prompt 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 is not matched with 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 **CASHBACK ON DEBIT CARDS** option must enabled in **VALOR 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 **Valor TMS**.

## **EMAIL**

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

## **INVOICENUMBER**

- Optional Flag.

## lineItems

- POS will prompt and print the list of line items which is received from client application.
- This option includes below tags.
  - “product\_code”: “Item name”,
  - “quantity”: “Item quantity”,
  - “total”: “Cost of the Item”

## 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 below tags.
  - “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”,

## DISCOUNT\_LIST

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

## AMT\_CONFIRM

- This flag 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 valor 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).**

## **RESPONSE DATA TAGS**

### **SUCCESS RESPONSE**

#### **STATE**

- Transaction Result

0	SUCCESS
-1	FAILED

#### **AMOUNT**

- Authorized Transaction Amount.

#### **PARTIAL**

- This flag indicates transaction is partially approved. client has to wait for another transaction response

1	Partially Approved
0	Normal Approved

#### **ISSUER**

- Card Brand issuer name (Visa, Master, Amex etc).

#### **MASKED\_PAN**

- Cardholder Masked Pan

**Ex: 4375 \*\*\*\* 9004**

#### **RRN**

- Retrieval Reference Number (RRN). 12 Digit Number.

#### **CODE**

- Authorization Code. 6 Digit Alpha Numeric Data.

#### **AUTH\_RSP\_TEXT**

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

#### **DATE**

- Transaction date and time in DDMMYYYY hh:mm:ss format.

#### **TRAN\_NO**

- Numeric data needs to be printed in charge slip. This number used to fetch original transaction to perform Void, Tip and Ticket Transaction.

#### **BATCH\_NO**

- Current batch number.

#### **TVR**

#### **TSI**

#### **AID**

- Optional data. Only Present for EMV/CLESS Transaction. EMV/CLESS card info which needs to print in charge slip.

#### **EBT\_BAL\_AMOUNT, FOOD\_BAL\_AMOUNT, CASH\_BAL\_AMOUNT & MARKET\_BAL\_AMOUNT**

- Optional data. Available only for EBT Card Transactions

## **GIFT\_BAL\_AMOUNT**

- Optional data. Available only for GIFT card Transactions

## **SERIAL\_NO**

- Device Serial Number.

## **TRAN\_TYPE**

- Card Type (E.g., Credit, Debit)

## **TRAN\_METHOD**

- Transaction Type (E.g., Sale, Void)

## **AMOUNT\_DUE**

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

## **SURCHARGE\_AMOUNT**

- Optional Data. Available only for Credit and Debit (Based on **the Valor TMS**) If the EPI Id having **Cash Discount/Surcharge** profile.

## **ENTRY\_MODE**

- Mode of the Transaction (E.g., CHIP/SWIPE)

## **EXPIRY\_DATE**

- Expiry Date of the card in YYMM format.

## **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 present for the transaction.

## **STATE\_TAX, CITY\_TAX & REDUCED\_TAX**

- Optional Data. Available only for Credit, Debit and Cash (Based on **the Valor 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 Valor 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

- Available for all transactions.
- This tag includes Purchased amount, Cash Back, Tax, Tip and Surcharge amount. Excludes the surcharge amount when the customer runs a cash sale transaction with surcharge amount and **cash discount** option enabled in **Valor TMS**.

## DOWNLOAD\_STATUS

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

## TXN\_ID

- Available for all transactions. Based on the switch response terminal will send the transaction id in response to the client.

# FAILURE RESPONSE

## STATE

- Transaction Result

0	SUCCESS
-1	FAILED

## ERROR\_CODE

- Valor Unique Error Code (Min: 5 & Max 8 Digits)
- **Ex:**  
"ERROR\_CODE":"30410001" or "ERROR\_CODE":"V0005" or "ERROR\_CODE":"V9999"

## ERROR\_MSG

- Valor Unique Error Code Description
- **Ex:**  
"ERROR\_MSG": "Card Not Present Removed"  
"ERROR\_MSG": "Transaction Timeout/Cancelled"  
"ERROR\_MSG": "Tran Not Allowed. Please perform refund/return"

# ACKNOWLEDGMENT

- 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.

## 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"  
}
```

#### RESPONSE

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

## 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",  
    "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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Sale",  
    "AMOUNT": "4DEB1000",  
    "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 **VALOR TMS**

### REQUEST

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

### RESPONSE

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

## 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 **VALOR 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",  
    "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",  
    "DATE":"11032021 15:00:00",  
    "TRAN_NO": "1",  
    "BATCH_NO": "1",  
    "ISSUER": "VISA",  
    "AID": "A0000000031010",  
    "TVR": "000004800",  
    "TSI": "E800"  
}
```

## CREDIT SALE – Format 6

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

### REQUEST

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

### RESPONSE

```
{  
    "STATE": "0",  
    "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 **VALOR 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",  
    "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"  
}
```

## RESPONSE

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

## 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",  
    "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

- EMV/CLESS 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",  
    "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",  
    "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 **VALOR TMS**

### REQUEST

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

### RESPONSE

```
{  
    "STATE": "0",  
    "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 5

- EMV/CLESS Mode
- Signature Enabled
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based **VALOR 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",  
    "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",  
    "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 7

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

### REQUEST

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

### RESPONSE

```
{  
    "STATE": "0",  
    "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",  
    "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 **VALOR 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",  
    "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",  
    "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 **VALOR 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",  
    "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",  
    "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",  
    "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 **VALOR 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",  
    "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",  
    "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 **VALOR 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",  
    "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",  
    "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"  
}
```

## RESPONSE

```
{  
    "STATE": "0",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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 2

- Tran Number 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 **VALOR 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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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 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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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 **VALOR 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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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 **VALOR 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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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 **VALOR 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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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",  
    "SERIAL_NO": "125192037342",  
    "TRAN_TYPE": "Credit",  
    "TRAN_METHOD": "Post Auth",  
    "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",  
    "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 **VALOR 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",  
    "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",  
    "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",  
    "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 **VALOR 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",  
    "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",  
    "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"  
}
```

## RESPONSE

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

## 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",  
    "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",  
    "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",  
    "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",  
    "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",  
    "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",  
    "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",  
    "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 WITHDRAWL

- Signature Enabled & Print Receipt by default

### REQUEST

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

## RESPONSE

```
{  
    "STATE": "0",  
    "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

## REQUEST

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

## RESPONSE

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

## 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"  
}
```

### RESPONSE

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

## 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",  
    "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",  
    "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 **VALOR 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",  
    "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 **VALOR 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",  
    "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",  
    "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 **VALOR 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",  
    "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",  
    "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 **VALOR TMS**

### REQUEST

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

## RESPONSE

```
{  
    "STATE": "0",  
    "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 **VALOR 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",  
    "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",  
    "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 **VALOR TMS** Flag

### REQUEST

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

### RESPONSE

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

### FAILURE RESPONSE – FORMAT 1

```
{  
    "STATE":"-1",  
    "ERROR_MSG":" No Transaction Found"  
}
```

### FAILURE RESPONSE – FORMAT 2

```
{  
    "STATE":"-1",  
    "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",  
    "AMOUNT":"10000",  
    "DATE":"11032021 15:00:00",  
    "BATCH_NO": "1"  
}
```

### FAILURE RESPONSE – FORMAT 1

```
{  
    "STATE":"-1",  
    "ERROR_MSG":" No Transaction to Settle"  
}
```

### FAILURE RESPONSE – FORMAT 2

```
{  
    "STATE":"-1",  
    "ERROR_MSG":" " Settlement Failed"  
}
```

## APP DOWNLOAD

### REQUEST

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

### SUCCESS RESPONSE

```
{  
    "STATE": "0",  
    "DOWNLOAD_STATUS": "APPLICATION DOWNLOAD SUCCESS"  
}
```

### FAILURE RESPONSE

```
{  
    "STATE": "-1",  
    "DOWNLOAD_STATUS": "APP PARAMETER DISABLED"  
}
```

## PARAMETER DOWNLOAD

### REQUEST

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

### SUCCESS RESPONSE

```
{  
    "STATE": "0",  
    "DOWNLOAD_STATUS": "PARAMETER DOWNLOAD SUCCESS"  
}
```

### FAILURE RESPONSE

```
{  
    "STATE": "-1",  
    "DOWNLOAD_STATUS": "PARAMETER DISABLED"  
}
```

## SWITCH RESPONSE CODES

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

<b>56</b>	No card record
<b>57</b>	Transaction not permitted to cardholder
<b>58</b>	Transaction not permitted to terminal
<b>61</b>	Exceeds withdrawal limit
<b>62</b>	Invalid service code, restricted
<b>63</b>	Security violation
<b>65</b>	Activity limit exceeded
<b>75</b>	PIN tried exceeded
<b>76</b>	Unable to locate, no match
<b>77</b>	Inconsistent, reversed, or repeat data
<b>78</b>	No account
<b>79</b>	Already reversed at switch
<b>80</b>	No Financial impact (used in reversal responses to decline originals)
<b>81</b>	Cryptographic error
<b>82</b>	CVV data is not correct
<b>83</b>	Cannot verify PIN
<b>85</b>	No reason to decline
<b>86</b>	Cannot verify PIN
<b>91</b>	Issuer unavailable or switch inoperative
<b>92</b>	Destination not found
<b>93</b>	Violation, cannot complete
<b>94</b>	Unable to locate, no match
<b>96</b>	System malfunction
<b>A1</b>	POS device authentication successful
<b>A2</b>	POS device authentication not successful
<b>A3</b>	POS device deactivation successful
<b>B1</b>	Surcharge amount not permitted on debit cards or EBT food stamps
<b>B2</b>	Surcharge amount not supported by debit network issuer
<b>CV</b>	Card Type Verification Error
<b>D3</b>	Transaction failure due to missing or invalid 3D-Secure cryptogram
<b>E1</b>	Encryption is not configured
<b>E2</b>	Terminal is not authenticated
<b>E3</b>	Data could not be decrypted
<b>EA</b>	Verification error

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

<b>Q1</b>	Card authentication failed
<b>R0</b>	Customer requested stop of specific recurring payment
<b>R1</b>	Customer requested stop of all recurring payments from specific merchant
<b>R3</b>	All recurring payments have been canceled for the card number in the request
<b>S0</b>	The PAN used in the transaction is inactive.
<b>S1</b>	The Mod-10 check failed.
<b>S5</b>	Decline – no preauthorization found.
<b>S9</b>	Maximum working balance exceeded.
<b>SA</b>	The Authorization Server is shut down.
<b>SB</b>	Invalid card status – status is other than active
<b>SC</b>	Unknown dealer/store code – special edit.
<b>SD</b>	Maximum number of recharges is exceeded.
<b>SE</b>	Card was already used.
<b>SF</b>	Manual transactions not allowed.
<b>SH</b>	Transaction type was unknown.
<b>SJ</b>	An invalid tender type was submitted.
<b>SK</b>	An invalid customer type was submitted. PIN was locked.
<b>SL</b>	The maximum number of redemptions was exceeded.
<b>SM</b>	The maximum number of PAN tries was exceeded.
<b>SP</b>	The card was already issued.
<b>SR</b>	The card was not issued.
<b>SS</b>	First check is okay and has been converted.
<b>T0</b>	The check is okay but cannot be converted.
<b>T1</b>	This is a declined transaction.
<b>T2</b>	Invalid ABA number, not an ACH participant.
<b>T3</b>	Amount greater than the limit.
<b>V1</b>	Daily threshold exceeded.