A large, light blue watermark of the VALOR PAYTECH logo is centered in the background. It consists of a shield with a 'V' and 'A' on the left, and the word 'VALOR' in large letters on the right, with 'PAYTECH' in smaller letters below it.

VALOR POS INTEGRATION SPECIFICATION

Version 1.0.5

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REVISION HISTORY

Version	Date	Comments	Author
1.0.0	11-03-2021	Initial Version	Guhan M
1.0.1	11-09-2021	Revised Version	Guhan M
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1.0.5	22-08-2022	Revised Version	Kalaiselvi R



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 & VALOR CONNECT** 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**”.

VALOR CONNECT

- **VALORPAY POS Integration** application will work in **ETHERNET, WIFI & GPRS** Terminals
- **Valor Connect** flag must be enabled in **VALOR TMS** and download parameter in **VALORPAY** application.
- After Successful reboot **POS** will connect to **Valor Connect** Server with “**Waiting for Valor Connect**” 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 **Favourites** in **POS** to connect terminal with **Valor Connect** and to waiting 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)

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 LAST RECEIPT	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

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_CONFIRMATON** 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_CONFIRMATON** Flag will enable or disable that confirmation screen based on client Application Request Tag (**1- Enable/0- Disable**).
- If **TIP_CONFIRMATON** 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_CONFIRMATON** Flag will enable or disable that confirmation screen based on client Application Request Tag (**1- Enable/0- Disable**).
- If **TICKET_CONFIRMATON** 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 VALOR TMS Configuration
1	Only Electronic Receipt
2	Only Paper Receipt
3	Receipt Concept will Work based on VALOR TMS 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.

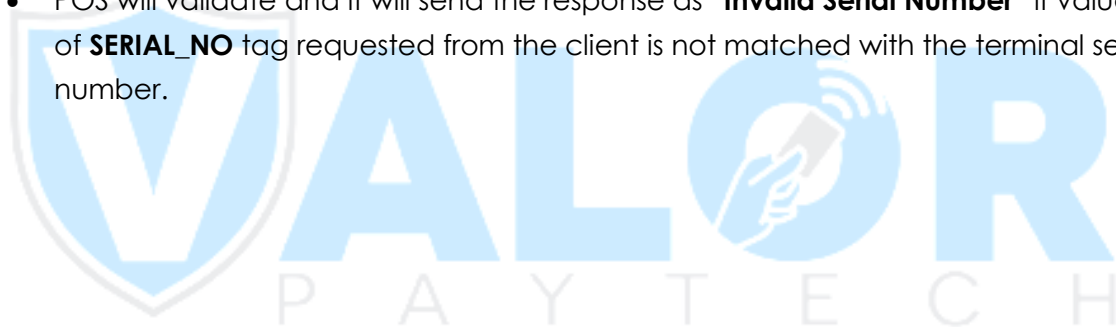
- Terminal will proceed with TIP amount and TIP editable input received from client application. In this case **TIP_ENTRY** flag must be enabled in client application and **TIP** option & **pay @ table** option must be enabled in **VALOR TMS**.
- If terminal received **TIP editable** tag value as 1 from 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.



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 YYYYMMDD 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_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 and TIP ADJUSTMENT Transaction.

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.

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

REQUEST

```
{
  "TRAN_MODE":"1",
  "TRAN_CODE":"1",
  "AMOUNT":"1000",
  "TIP_ENTRY":"1",
  "TIP_EDITABLE":"1",
  "TIP_AMOUNT":"100",
  "SIGNATURE":"1",
  "PAPER_RECEIPT":"2",
  "MOBILE_ENTRY":"0",
  "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"
}
```

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

REQUEST

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

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 3

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

REQUEST

```
{  
  "TRAN_MODE":"1",  
  "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":"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 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 Based TICKET Transaction
- Terminal will not display TICKET 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",
  "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
- Terminal Will display Mobile No screen & SMS Receipt, Print Receipt will display based **VALOR TMS** Flag

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"4",
  "AMOUNT":"1000",
  "TRAN_NO":"1",
  "TICKET_CONFIRMATION ":"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 screen
- Paper Receipt Disabled & E-Receipt Enabled
- Terminal Will display Mobile No screen with SMS Receipt

REQUEST

```
{
  "TRAN_MODE": "0",
  "TRAN_CODE": "4",
  "AMOUNT": "1000",
  "TRAN_NO": "1",
  "TICKET_CONFIRMATION": "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**

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"4",
  "AMOUNT":"1000",
  "TRAN_NO":"1",
  "TICKET_CONFIRMATION ":"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",
  "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 TICKET Transaction
- Terminal will display TICKET 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",
  "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
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{
  "TRAN_MODE": "0",
  "TRAN_CODE": "4",
  "AMOUNT": "1000",
  "CARD_NO": "1111",
  "TICKET_CONFIRMATION": "0",
  "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

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"4",
  "AMOUNT":"1000",
  "CARD_NO":"1111",
  "TICKET_CONFIRMATION ":"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

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"4",
  "AMOUNT":"1000",
  "CARD_NO":"1111",
  "TICKET_CONFIRMATION ":"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 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**

REQUEST

```
{
  "TRAN_MODE": "0",
  "TRAN_CODE": "4",
  "AMOUNT": "1000",
  "CARD_NO": "1111",
  "TICKET_CONFIRMATION": "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

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"4",
  "AMOUNT":"1000",
  "CARD_NO":"1111",
  "TICKET_CONFIRMATION ":"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
- Print Receipt by Default & Prompt warning message is disabled

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"20",
  "TRAN_NO":"1",
  "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 2

- Tran Number Based OFFLINE TIP Transaction
- Terminal will display OFFLINE TIP 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",
  "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 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",
  "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 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",
  "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

REQUEST

```
{
  "TRAN_MODE":"0",
  "TRAN_CODE":"20",
  "CARD_NO":"1111",
  "TIP_CONFIRMATION ":"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
- Print Receipt by default since Mobile No prompt screen is disabled

REQUEST

```
{
  "TRAN_MODE":"2",
  "TRAN_CODE":"1",
  "AMOUNT":"1000",
  "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",
  "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":"6",
  "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

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",
  "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"
}
```

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	Lost card, pick up (fraud account)
43	Stolen card, 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.

