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Apriva POS Message Specification

XML Interface - Stored Value Addendum

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This document is Apriva POS Message Specification for XML Interface - Stored Value Addendum.

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Please send your comments, questions, or suggestions about this document to:

Apriva, LLC
ATTN: Apriva Integration Services
8501 N. Scottsdale Road, Suite 110
Scottsdale, AZ 85253
(480) 421-1200
integration@apriva.com

APRIVA®

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OVERVIEW

APRIVATalk is the base foundation for APRIVA's gateway solution. The framework that makes up APRIVATalk has full flow control, data integrity, and scalability. APRIVATalk contains multiple layers which can be implemented using different levels of complexity.

The focus of this document will be to enable the developer to begin using the APRIVA POS XML Protocol.

TRANSACTION TYPES

Overview

Stored Value Card Transactions

Stored value transactions are for use with gift cards.

<StoredValue>… </StoredValue>

PROCESSING FLAGS

Store and Forward Request

Description: This field is used to indicate to the server that the transaction was stored on the device and transmitted at a later time. When this tag is set to true the Transaction Date and Transaction Time tags are required.

Tag Format: <StoreAndForward>

Data Format: 0 (false) / 1 (true)

BASE FIELD DEFINITIONS

See AprivaPOS_XML Master document for general field definitions.

Data Field Requirements
- All fields identified as required in the Apriva POS XML specification must be sent.

STORED VALUE / GIFT CARD MESSAGE SPECIFICATION

Message Types

The first two bytes of the message plus the processing code allow the server to determine what type of transaction the server must process.

Type	Processing Code
Issue Card (Opt. Add Value) [2]	IssueCard
Issue Virtual Card (Opt. Add Value) [2]	IssueVirtualCard
Activate / Block Activation (Opt. Add Value) [2]	ActivateAndBlockActivation
Re-Activate Card (Opt. Add Value) [2]	ReActivate
Add Value [2]	AddValue
Pre-Auth	PreAuthorization
Post-Auth (Completion)[1] Clear-Auth (Completion w/ zero amt)[1]	CompletionAuthorization
Redemption[1]	Redemption
Cash Out (Unload, Refund) [1]	CashOut
Deactivation[1]	Deactivation
Balance Transfer (Replacement) [2]	BalanceTransfer
Balance Merge [2]	BalanceMerge
Inquire Current Balance	InquireCurrentBalance
Void of Redemption	VoidOfRedemption
Void of Cash Out	VoidOfCashOut
Void of Add Value	VoidOfAddValue
Void of Activation & Block Activation	VoidOfActivation

Void of Balance Transfer	VoidOfBalanceTransfer
Void of Balance Merge	VoidOfBalanceMerge
Void of Post Auth	VoidOfPostAuth
Void of Deactivation	VoidOfDeactivation
Void of Adjustment	VoidOfAdjustment
Adjustment [2]	Adjustment
Return [2]	Return
Force Activation[2]	ForceActivation
Force Redemption[1]	ForceRedemption
Force Add Value [2]	ForceAddValue
Report Lost or Stolen	ReportLostOrStolen
Set Reference Number	SetReferenceNumber
Transaction History	TransactionHistory

[1]Note: Included in batch Stored Value Sales Count / Amount (*unless voided)

[2]Note: Included in batch Stored Value Refund Count / Amount (*unless voided)

Receipt Requirements

Stored Value transactions require the following information on all receipts:

1. Transaction Date Time
2. Card Number
    a. Value Link Cards see below
    b. Balance Transfer / Balance Merge requires new card only
    c. Issue Virtual requires full Card Number (Response)
    d. All others : Last 4 digits of the Card Number (Request)
3. Expire Date (Response)
4. Transaction Number – Stan (Request)
5. Approved Amount (Response)
6. Amount Due (Request Amount minus Response Approved Amount)
7. New Balance (Response)
8. Unlock ID for Pre-Auth (Response)
9. Approval Code (Response)
10. Response Text (Response)
11. Detailed Response Data – required prior to footer if present (Response)

Issuer Specific Requirements

ValueLink / Nashville Cards – Bin Range (601056)

ValueLink cards follow a different standard when parsing the embossed card number out of the track data.   This track data translation will yield the card number that must be printed on the receipt as well as sent up in any offline or upload messages.

Track 2 (Alpha): ;601056XYYYYYYYY5=000100040000V0WWZZZZ?

Track 2 :   ;6010562000017685=001004000060013779?

Card Number (Alpha):   VWWX YYYY YYYY ZZZZ

Card Number: 6012 0000 1768 3779

ValueLink /Nashville – Partial Lock or Multi Lock

Redemption: If the amount is passed as a zero amount it will lock the entire amount available on the card for a preset time. If an amount greater than zero is sent to the host that amount will lock based on the merchant profile.   Partial lock implies that if the total amount is not available it will fail. Multi lock implies that if the total amount is not available the available amount will be locked for a preset time.

Pre-Auth: If the amount is passed as a zero amount it will lock the entire amount available on the card for a preset time. If an amount greater than zero is sent to the host that amount will lock based on the merchant profile.   Partial lock implies that if the total amount is not available it will fail. Multi lock implies that if the total amount is not available the available amount will be locked for a preset time.

Completion: The lock id is required as part of the message if it was available in the original pre–authorization. If an amount of zero is sent to the host the original locked amount will be unlocked without affecting the balance of the card.

Issue / Activate / Re-Activate

Description

Issue can be used to issue a new card to an individual. Activate can be used to activate a card. Re-Activate can activate a card that has been deactivated. All transaction can specify an amount to be added to the card as part of the transaction.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Amount	Currency	C	Only if loading a value
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	C	Manual transaction only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped Transaction only
Clerk ID	Text	O	
Stored Value Request Data		O	
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	
Card Info		C	Contains information about the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Issue Virtual Request

Description

Issue Virtual will issue a virtual gift card where the receipt will contain the card number and possibly an expiration date.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Processing Code	See above	M	
Amount	Currency	C	Only if loading a value
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Clerk ID	Text	O	
Stored Value Request Data		O	
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Account Number	Text	M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
Expire Date	Text	C	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Redemption / Add Value Request

Description

A Redemption request removes money from a gift cards balance. Depending on the merchant setup it can always return successful with an amount covered as less than the amount of the transaction or will be declined if the balance does not cover the transaction amount.

An Add Value request adds money to the balance of the gift card for future use.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Amount	Currency	C	See Issuer Section
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual transaction only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped Transaction only
Clerk ID	Text	O	
Stored Value Request Data		O	
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	
Host Trace Number	BCD Number	O	
RRN	Buffer	O	
Auth ID	Text	C	
Response Code	Buffer	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Pre-Auth Request

Description

This transaction verifies whether the card holder has the requested amount on the card. Depending on the processor it may also lock the amount and return a Lock ID in the Stored Value Response Data Field.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Amount	Currency	C	See Issuer Section
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual transaction only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped Transaction only
Clerk ID	Text	O	
Stored Value Request Data		O	
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	
Card Info		C	Contains information about the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Production Time
Transaction Date	Text	C	Production Date
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Cash-Out / Adjustment / Return Request

Description

A Cash-Out request removes the specified amount from the gift card. An Adjustment transaction sets the cards value at the specified amount. A return request adds value back onto the gift card for future use.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Amount	Currency	C	Cash-Out amount of zero will release the entire amount.
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual transaction only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped Transaction only
Clerk ID	Text	O	
Stored Value Request Data		O	
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	
Card Info		C	Contains information about

			the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Post Auth Request

Description

This transaction takes the authorization and lock ID (if available) from a pre-authorization and commits the transaction.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Amount	Currency	M	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual transaction only
Entry Mode Type	See Constant Defs	C	Required if card changes
Entry Mode	See Constant Defs	C	Required if card changes
Track 2 Data	Text	C	Swiped Transaction only
Clerk ID	Text	O	
Stored Value Request Data		C	See Issuer Section
Online Void Transaction Data		M	
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	

Card Info			C	Contains information about the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Deactivation Request

Description

A Deactivation request deactivates a gift card so it can no longer be used.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Amount	Currency	O	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual transaction only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped Transaction only
Clerk ID	Text	O	
Stored Value Request Data		O	
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	
Card Info		C	Contains information about the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Force Requests

Description

A force transaction is a transaction where an approval code was received from the processor via a phone call or other means.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Amount	Currency	M	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual transaction only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped Transaction only
Auth ID	Text	M	
Clerk ID	Text	O	
Stored Value Request Data		O	
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	
Card Info		C	Contains information about

			the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	
Transaction Date	Text	C	
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Void Requests

Description

Void requests take the auth id of the original request in order to back out the original request. The original transaction must be in the current batch.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Amount	Currency	M	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual transaction only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped Transaction only
Clerk ID	Text	O	
Online Void Transaction Data		M	
Stored Value Request Data		O	Set Number of Cards for Void of Block Activation
Invoice Number		O	
Additional Amounts		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	

Card Info			C	Contains information about the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Balance Inquire Requests

Description

A Balance Inquire transaction retrieves the current available balance on the gift card.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual transaction only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped Transaction only
Clerk ID	Text	O	
Stored Value Request Data		O	
Processor Defined Data		C	
Card Info		C	Contains information about the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		C	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Balance Transfer / Merge Requests

Description

The Balance Transfer transaction takes the balance from an Active card to an Inactive card and activates it.

The Balance Merge transaction takes two active cards and combines their balance onto one.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	New Card Manual only
Processing Code	See above	M	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	New Card Manual only
Entry Mode Type	See Constant Defs	M	New Card
Entry Mode	See Constant Defs	M	New Card
Track 2 Data	Text	C	New Card Swiped only
Clerk ID	Text	O	
Additional Account Info		M	Old Card Information
Stored Value Request Data		O	
Restaurant Information		O	
Reporting Data		O	
Processor Defined Data		C	
Card Info		C	Card data info

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
Expire Date	Text	O	
Host Trace Number	Short Number	O	
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Transaction Result Data		O	
Detailed Response Data		O	Required on receipt if present
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present

Set Reference Number

Description

Set the reference number independently of any transaction.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual only
Processing Code	See above	M	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	Manual only
Entry Mode Type	See Constant Defs	M	
Entry Mode	See Constant Defs	M	
Track 2 Data	Text	C	Swiped only
RRN	Text	M	
Clerk ID	Text	O	
Invoice Number		O	
Reporting Data		O	
Processor Defined Data		C	
Card Info		C	Contains information about the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response

Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present
Detailed Response Data		O	Required on receipt if present

Report Lost or Stolen

Description

The Report lost or stolen transaction takes a card and reports it lost or stolen.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	M	Lost Card Number
Processing Code	See above	M	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Transaction Time	Text	O	
Transaction Date	Text	O	
Expire Date	Text	O	If available
Entry Mode Type	See Constant Defs	M	New Card
Entry Mode	See Constant Defs	M	New Card
Clerk ID	Text	O	
Invoice Number		O	
Reporting Data		O	
Processor Defined Data		C	

Response Message

Name	Data Format	Required	Comments
Message Type		M	
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	C	Processor Time
Transaction Date	Text	C	Processor Date
RRN	Text	O	
Auth ID	Text	C	
Response Code	Text	M	
Response Text		M	
Stored Value Response Data		O	
Detailed Merchant Response Data		O	Required on merchant receipt if present
Detailed Customer Response Data		O	Required on customer receipt if present
Detailed Response Data		O	Required on receipt if present

Transaction History

Description

A Report request sends up a report ID and will receive a report to be printed on a receipt.

Request Message

Name	Data Format	Required	Comments
Message Type		M	Request
Version		M	
Account Number	Text	C	Manual transaction only
Processing Code	See above	M	
Expire Date	Text	O	Manual transaction only
Track 2 Data	Text	C	Swiped transaction only
Report Request Data		M	
Reporting Data		O	
Processor Defined Data		C	
Card Info		C	Contains information about the encrypted card data

Response Message

Name	Data Format	Required	Comments
Message Type		M	Response
Version		M	
Processing Code	See above	M	
Response Code	Text	M	
Response Text		C	Returned in case of failure
Detailed Response Data		C	Report detail

ADDITIONAL TAG SPECIFICATION

See AprivaPOS_XML Master document for additional tag specifications.

Field Definitions

Additional Account Info

> **Description:** This field is used whenever two card numbers must be provided to the processing system.
>
> **Tag Format:** <AdditionalAccountInfo>
>
> **Entry Mode**
>
>> **Description:** The way the card information was gathered
>>
>> **Sub Tag Format:** <EntryMode>
>
> **Entry Mode Type**
>
>> **Description:** The type of device used to gather the information
>>
>> **Sub Tag Format:** <EntryModeType>
>
> **Track 2**
>
>> **Description:** This is track 2 data for an additional card when the primary field is in use.
>>
>> **Sub Tag Format:** <Track2>
>
> **Track 1**
>
>> **Description:** This is track 1 data for an additional card when the primary field is in use.
>>
>> **Sub Tag Format:** <Track1>
>
> **Account Number**
>
>> **Description:** This is an account number for an additional card when the primary field is in use.
>>
>> **Sub Tag Format:** <AccountNumber>
>
> **Expire Date**
>
>> **Description:** This is the expiration date for an additional card when the primary field is in use.
>>
>> **Sub Tag Format:** <ExpireDate>

Stored Value Request Data

Description: This field sends any additional collected stored value information to the host processor.

Tag Format: <StoredValueRequest>

Security Code

Description: If there is a code on the back of the card that is entered it can be transmitted to the host in this field.

Sub Tag Format: <SecurityCode>

Sales Tax Amount

Description: If the tax amount must be split out it can be sent to the host in this field.

Sub Tag Format: <SalesTaxAmount>

Data Format: Currency

Original Purchase Date (Returns)

Description: If the transaction is a return the original purchase date off the original receipt should be sent in this field.

Sub Tag Format: <OriginalPurchaseDate>

Data Format: MM/DD/YY HH:MM:SS

Total amount of cards being issued

Description: If the transaction is a block-activation the total number of cards should be sent in this field.

Sub Tag Format: <NumberOfCards>

Refund Balance

Description: If the transaction is a deactivation or cash out and the balance should be refunded this field should be present.

Sub Tag Format: <RefundBalance>

Value Format: Currency

Unlock ID

Description: If the transaction is a Post Auth and an Unlock ID is available it should be sent in this field.

Sub Tag Format: <UnlockID>

Stored Value Response Data

Description: This field holds the different response fields from the host for stored value transactions.

Tag Format: <StoredValueResponse>

Previous Balance

Description: This is the original balance on the gift card prior to this transaction.

Sub Tag Format: <PreviousBalance>

Data Format: Currency

New Balance

Description: This is the new available balance on the gift card.

Sub Tag Format: <NewBalance>

Data Format: Currency

Approved Amount

Description: This is the amount that was actually used on the gift card. In the case of a deactivation it is the refunded balance from a deactivated card.

Sub Tag Format: <ApprovedAmount>

Data Format: Currency

Unlock ID

Description: If the transaction is an Auth and an Unlock ID is used by the processor it will be returned in this field and should be used during a post auth.

Sub Tag Format: <UnlockID>

CONSTANT DEFINITIONS

*Please note that the values listed below are case sensitive.

Card Type Definitions

Type	Value
Stored Value	StoredValue

EDC Types

Type	Value
Stored Value (Gift)	5

Entry Mode

Type	Value
Standard/ Contactless / Smart Card Devices	
Manual	Manual
Track 1	Track1
Track 2	Track2

Entry Mode Type

Type	Value
Standard	Standard
Contactless	Contactless
Contactless w/ RFID (PayPass)	PayPass
Smart Card Chip Card	SmartChipCard
Smart Card Non-Chip Card	SmartNonChipCard

Transaction ID

Stored Value

Name	Value
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Completion	44
Balance Inquire	45
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Transaction Type

Type	Value
Stored Value transaction	StoredValue

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