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Apriva POS Message Specification
XML Interface - Settlement
Document Version: 5.0.9

Last Updated: May 17, 2019

This document is Apriva POS Message Specification for XML Interface - Settlement.

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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

Settlement Transactions

Settlement transactions are used to commit the transactions from the day so that funds may be transferred.

<Batch>... </Batch>

BASE FIELD DEFINITIONS

See **AprivaPOS_XML Master document** for general field definitions.

BATCH MESSAGE SPECIFICATION

Message Types

The type of the message plus the processing code allows the server to determine what type of transaction the server must process.

Type	Processing Code
Host Capture Settlement	HostCapture
Reports	Report

Host Capture Settlement

Description

This settlement request will not reconcile with the terminal. It will take what the server has and process the settlement. It will then return the result of the settlement.

Request Message

Name	Data Format	Required	Comments
Message Type		M	<i>Request</i>
Version		M	
Processing Code	See above	M	
Stan	Short Number	M	New Stan assigned using standard Stan rules.
Settlement		C	Batch Number may be sent.

Response Message

Name	Data Format	Required	Comments
Message Type		M	<i>Response</i>
Version		M	
Processing Code	See above	M	
Stan	Short Number	C	
Transaction Time	Text	O	
Transaction Date	Text	O	
Response Code	Short Number	M	
Error Stans	Text	C	If transactions were rejected
Response Text		M	Only Batch Number
Interac Debit		C	Required for Interac Debit.

Reports

Request Message

Name	Data Format	Required	Comments
Message Type		M	<i>Request</i>
Version		M	
Processing Code	See above	M	
Report Request		M	
Processor Defined Data		C	

Response Message

Name	Data Format	Required	Comments
Message Type		M	<i>Response</i>
Version		M	
Processing Code	See above	M	
Detailed Response Data		M	

ADDITIONAL TAG SPECIFICATION

Field Definitions

Reporting Data

Description: This field is used to send data along with a transaction that is not financial in nature. Any supplied fields will be stored with the transaction for reporting purposes and will not be used to determine the success or failure of the transaction.

Tag Format: <ReportingData>

Reporting Data 1

Description: This defines optional data to be stored with a transaction

Sub Tag Format: <RDetail1>

Reporting Data 2

Description: This defines optional data to be stored with a transaction

Sub Tag Format: <RDetail2>

Reporting Data 3

Description: This defines optional data to be stored with a transaction

Sub Tag Format: <RDetail3>

Reporting Data 4

Description: This defines optional data to be stored with a transaction

Sub Tag Format: <RDetail4>

Reporting Data 5

Description: This defines optional data to be stored with a transaction

Sub Tag Format: <RDetail5>

Report Request Data

Description: This field holds the report request and any information needed to return the report to the terminal.

Tag Format: <ReportRequest>

Report Type

Description: This defines which of the two history reports the user would like to retrieve.

Sub Tag Format: <ReportType>

Characters Per Line

Description: This defines the Number of characters per line that the device can handle.

Sub Tag Format: <CharactersPerLine>

Report Response Data

Description: This field holds any additional information that needs to be sent to the terminal.

Tag Format: <ReportResponse>

Line Number

Description: Which line of detail it is.

Attribute: LineNumber

Detail

Description: Multiple tags that will define each line as it should appear in order.

Sub Tag Format: <Detail LineNumber="1">

APPENDIX A - APRIVA CERTIFICATION INFORMATION

Overview

APRIVA is a gateway to many different processor systems. To assist in the testing of this messaging API's implementation, the following information should be helpful.

Test Processor Interface

Any transaction for \$6.37-

The transaction will fail at batch and be returned in the error status field.

Any transaction for \$0.08 or \$1000.08 or between \$160.01 and \$165.00 -

Batch will delay for 8 seconds for each transaction with these amounts. It will then complete successfully.

Any transaction for \$0.09 or \$1000.09 or between \$165.01 and \$170.00 -

Batch will delay for 60 seconds for each transaction with these amounts. It will then complete successfully.

Any transaction for \$0.10 or \$1000.10 -

Batch will delay for 3 minutes for each transaction with these amounts. It will then complete successfully.

A batch credit total of \$1.09 or \$100.00 -

Batch will fail with error response text of "No Response Code".

A batch credit total of \$1.10 or \$200.00 -

Batch will fail with error response text of "Batch Failed".

A batch credit total of \$1.11 or \$300.00 -

Batch will fail with error response text of "Batch Failed with 3 digit RC" and a response code of "123".

A batch credit total of \$1.12 or \$400.00 -

Batch will fail with error response text of "BatchUnresolved".

A batch credit total of \$8.23 or \$500.00 -

Batch will settle with response text of "You Rock!"

A batch credit total of \$4.23 or \$600.00 -

Batch will settle with response text of "Duplicate Batch" and response code of "QD".

A batch ECA total of \$2.64 -

Batch will fail with error response text of "Batch Failed".

Merchant Number equal to "Success" -

Batch will be successful with response text of "Automatic Success".

Merchant Number equal to "Fail" -

Batch will fail with a response code of "1" and response text of "Automatic Failure".

DOCUMENT MODIFICATION HISTORY

Date	Version	Changes Made	Editor
5/17/2018	5.0.9	Spelling correction and verified specs up to date	CA
4/29/15	5.0.8	Added Test Processor Trigger Amounts	PH
12/30/14	5.0.7	External Version Created	PH