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dsiEMVUS

XML Definitions

V02.09

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Revision History

02.00	10 Oct 2014 (A)	• Revised Release of Preliminary Draft
02.01	31 May 2015	• Prerelease version for internal review
02.02	01 Jun 2015	• Formal Release
02.03	08 Jun 2015	• Add method ProcessTransactionData • Define XML for ProcessTransactionData request and response
02.04	09 Jul 2015	• Add VoidSaleByRecordNo and VoidReturnByRecordNo transactions • Add <LaneID> tag • Add following new response tags and instructions for alternate draft construction: <EntryMethod>, <Date>, <Time>, <ApplicationLabel>, <AID>, <TVR>, <IAD>, <TSI>, <ARC>, <CVM>
02.05	14 Jul 2015	• Revise <Gratuity> and <CashBack> tag inclusion for selected transactions
02.06	15 Jul 2015	• Revise notes on <RefNo< tag for Void and Adjust transactions
02.07	16 Jul 2015	• Revised <AcctNo> manual entry use for EMVVoidSale and EMVVoidReturn transactions • Removed debit from EMVVoidSale, VoidSaleByRecNo, EMVVoidReturn and VoidReturnByRecNo transactions
02.08	26 Aug 2015	• Revised StoreData transaction tag assignments to align with Tran applications
02.09	13 Sep 2015	• Revised BatchSummary and BatchClose instructions

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1.0 Introduction

This document contains the latest XML syntax definitions for the dsiEMVUS software at the date of latest publication. Both XML request and response definitions are included.

2.0 EMV Transaction Request XML Definitions

2.1 EMVPadReset

XML Template: **EMVPadReset**

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <Tran Code>EMVPadReset</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <SequenceNo>SequenceNo</SequenceNo>
  </Transaction>
</TStream>
```

2.2 EMVSale

XML Template: **EMVSale**

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>EMVSale</TranCode>
    <CollectData>CardholderName</CollectData>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
      <CashBack>CashBack</CashBack>
    </Amount>
    <LaneID>LaneID</LaneID>
    <Duplicate>Duplicate</Duplicate>
    <SequenceNo>SequenceNo</SequenceNo>
    <PartialAuth>PartialAuth</PartialAuth>
    <RecordNo>RecordNumberRequested</RecordNo>
    <Frequency>Frequency</Frequency>
  </Transaction>
</TStream>
```

2.3 EMVVoidSale

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>EMVVoidSale</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <AuthCode>AuthCode</AuthCode>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
      <CashBack>CashBack</CashBack>
    </Amount>
    <LaneID>LaneID</LaneID>
    <SequenceNo>SequenceNo</SequenceNo>
    <AcqRefData>AcqRefData</AcqRefData>
    <ProcessData>ProcessData</ProcessData>
  </Transaction>
</TStream>
```

2.4 VoidSaleByRecordNo

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranType>TranType</TranType>
    <TranCode>VoidSaleByRecordNo</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <AuthCode>AuthCode</AuthCode>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
      <CashBack>CashBack</CashBack>
    </Amount>
    <SequenceNo>SequenceNo</SequenceNo>
    <PartialAuth>PartialAuth</PartialAuth>
    <RecordNo>RecordNo</RecordNo>
    <Frequency>Frequency</Frequency>
    <AcqRefData>AcqRefData</AcqRefData>
    <ProcessData>ProcessData</ProcessData>
  </Transaction>
</TStream>
```

2.5 EMVReturn

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>EMVReturn</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <Amount>
      <Purchase>Purchase</Purchase>
    </Amount>
    <Duplicate>Duplicate</Duplicate>
    <SequenceNo>SequenceNo</SequenceNo>
    <RecordNo>RecordNumberRequested</RecordNo>
    <Frequency>Frequency</Frequency>
  </Transaction>
</TStream>
```

2.6 EMVVoidReturn

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>EMVVoidReturn</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <AuthCode>AuthCode</AuthCode>
    <Amount>
      <Purchase>Purchase</Purchase>
    </Amount>
    <SequenceNo>SequenceNo</SequenceNo>
    <AcqRefData>AcqRefData</AcqRefData>
    <ProcessData>ProcessData</ProcessData>
  </Transaction>
</TStream>
```

2.7 VoidReturnByRecordNo

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranType>TranType</TranType>
    <TranCode>VoidReturnByRecordNo</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <AuthCode>AuthCode</AuthCode>
    <Amount>
      <Purchase>Purchase</Purchase>
    </Amount>
    <SequenceNo>SequenceNo</SequenceNo>
    <PartialAuth>PartialAuth</PartialAuth>
    <RecordNo>RecordNo</RecordNo>
    <Frequency>Frequency</Frequency>
    <AcqRefData>AcqRefData</AcqRefData>
    <ProcessData>ProcessData</ProcessData>
  </Transaction>
</TStream>
```

2.8 EMVVoiceAuth

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>EMVVoiceAuth</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <AuthCode>AuthCode</AuthCode>
    <Amount>
      <Purchase>Purchase</Purchase>
    </Amount>
    <Duplicate>Duplicate</Duplicate>
    <SequenceNo>SequenceNo</SequenceNo>
  </Transaction>
</TStream>
```

2.9 EMVZeroAuth

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>EMVZeroAuth</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <Amount>
      <Purchase>Purchase</Purchase>
    </Amount>
    <SequenceNo>SequenceNo</SequenceNo>
    <RecordNo>RecordNumberRequested</RecordNo>
    <Frequency>Frequency</Frequency>
  </Transaction>
</TStream>
```

2.10 AdjustByRecordNo

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranType>TranType</TranType>
    <TranCode>AdjustByRecordNo</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <AuthCode>AuthCode</AuthCode>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
    </Amount>
    <SequenceNo>SequenceNo</SequenceNo>
    <PartialAuth>PartialAuth</PartialAuth>
    <RecordNo>RecordNo</RecordNo>
    <Frequency>Frequency</Frequency>
    <AcqRefData>AcqRefData</AcqRefData>
    <ProcessData>ProcessData</ProcessData>
  </Transaction>
</TStream>
```

3.0 Admin Transactions XML Definitions

3.1 EMVParamDownload

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Admin>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>EMVParamDownload</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <SequenceNo>SequenceNo</SequenceNo>
  </Admin>
</TStream>
```

3.2 ServerVersion

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Admin>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>ServerVersion</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <SequenceNo>SequenceNo</SequenceNo>
  </Admin>
</TStream>
```

3.3 BatchSummary

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <Admin>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranType>Administrative</TranType>
    <TranCode>BatchSummary</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <SequenceNo>SequenceNo</SequenceNo>
  </Admin>
</TStream>
```

3.4 BatchClose

XML Template: **Batch Close Request**

```
<?xml version="1.0"?>
<TStream>
  <Admin>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <UserTrace>UserTrace</UserTrace>
    <TranType>Administrative</TranType>
    <TranCode>BatchClose</TranCode>
    <SecureDevice>SecureDevice</SecureDevice>
    <ComPort>ComPort</ComPort>
    <SequenceNo>SequenceNo</SequenceNo>
    <BatchNo>BatchNo</BatchNo>
    <BatchItemCount>BatchItemCount</BatchItemCount>
    <NetBatchTotal>NetBatchTotal</NetBatchTotal>
    <CreditPurchaseCount>CreditPurchaseCount</CreditPurchaseCount>
    <CreditPurchaseAmount>CreditPurchaseAmount</CreditPurchaseAmount>
    <CreditReturnCount>CreditReturnCount</CreditReturnCount>
    <CreditReturnAmount>CreditReturnAmount</CreditReturnAmount>
    <DebitPurchaseCount>DebitPurchaseCount</DebitPurchaseCount>
    <DebitPurchaseAmount>DebitPurchaseAmount</DebitPurchaseAmount>
    <DebitReturnCount>DebitReturnCount</DebitReturnCount>
    <DebitReturnAmount>DebitReturnAmount</DebitReturnAmount>
  </Admin>
</TStream>
```

4.0 Data Capture Transactions XML Definitions

4.1 StoreData

XML Request Template:

```
<?xml version="1.0"?>
<TStream>
  <StoreData>
    <HostOrIP>999.999.999.999</HostOrIP>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <StoreID>StoreID</StoreID>
    <RegisterID>RegisterID</RegisterID>
    <TranDate>TranDate</TranDate>
    <TranTime>TranTime</TranTime>
    <GuestCount>GuestCount</GuestCount>
    <UserTrace>UserTrace</UserTrace>
    <TranCode>StoreData</TranCode>
    <Customer>
      <FirstName>FirstName</FirstName>
      <LastName>LastName</LastName>
      <MiddleName>MiddleName</MiddleName>
      <Title>Title</Title>
      <Gender>Gender</Gender>
      <Address>Address</Address>
      <Address2>Address2</Address2>
      <City>City</City>
      <State>State</State>
      <Zip>Zip</Zip>
      <Country>Country</Country>
      <County>County</County>
      <Phone>Phone</Phone>
      <Cell>Cell</Cell>
      <Email>Email</Email>
      <Email2>Email2</Email2>
      <CustomerType>CustomerType</CustomerType>
      <BillToAddress>BillToAddress</BillToAddress>
      <ShipToAddressFlag>ShipToAddressFlag</ShipToAddressFlag>
      <TaxLocation>TaxLocation</TaxLocation>
      <CustomerID>CustomerID</CustomerID>
    </Customer>
    <InventoryNNN>
      <ItemName>ItemName</ItemName>
      <ItemDescription>ItemDescription</ItemDescription>
      <ItemNumber>ItemNumber</ItemNumber>
      <Qty>Qty</Qty>
      <Vendor>Vendor</Vendor>
      <Size>Size</Size>
      <Attribute>Attribute</Attribute>
      <TaxAmount>TaxAmount</TaxAmount>
      <UPC>UPC</UPC>
      <UnitOfMeasure>UnitOfMeasure</UnitOfMeasure>
      <Manufacturer>Manufacturer</Manufacturer>
      <UnitCost>UnitCost</UnitCost>
      <SerialNumber>SerialNumber</SerialNumber>
    </InventoryNNN>
  </StoreData>
</TStream>
```

```
<ShippingWeight>ShippingWeight</ShippingWeight>
<ShippingHeight>ShippingHeight</ShippingHeight>
<ShippingLength>ShippingLength</ShippingLength>
<ShippingWidth>ShippingWidth</ShippingWidth>
<Comments>Comments</Comments>
<TrackingNumber>TrackingNumber</TrackingNumber>
<ShippingCarrier>ShippingCarrier</ShippingCarrier>
<OrderDate>OrderDate</OrderDate>
<ReceivedDate>ReceivedDate</ReceivedDate>
</InventoryNNN>
<Subtotal>
  <SubtotalAmountNoTaxDiscount>SubtotalAmountNoTaxDiscount</SubtotalAmountNoTaxDiscount>
  <TotalDiscountAmount>TotalDiscountAmount</TotalDiscountAmount>
  <TaxAmount1>TaxAmount1</TaxAmount1>
  <TaxAmount2>TaxAmount2</TaxAmount2>
  <TaxAmount3>TaxAmount3</TaxAmount3>
  <TaxAmount4>TaxAmount4</TaxAmount4>
  <TaxAmount5>TaxAmount5</TaxAmount5>
</Subtotal>
<PaymentNNN>
  <CardType>CardType</CardType>
  <Amount>Amount</Amount>
  <Last4OfCard>Last4OfCard</Last4OfCard>
  <AuthorizationCode>AuthorizationCode</AuthorizationCode>
  <ReferenceNo>ReferenceNo</ReferenceNo>
  <TransactionType>TransactionType</TransactionType>
</PaymentNNN>
</StoreData>
</TStream>
```

5.0 Transaction Responses XML Definitions

5.1 EMVPadReset XML Response Template

EMVPadReset XML Response Template:

```
<?xml version="1.0"?>
<RStream>
  <CmdResponse>
    <ResponseOrigin>ResponseOrigin</ResponseOrigin>
    <DSIXReturnCode>DSIXReturnCode</DSIXReturnCode>
    <CmdStatus>CmdStatus</CmdStatus>
    <TextResponse>TextResponse</TextResponse>
    <SequenceNo>SequenceNo</SequenceNo>
    <UserTrace> UserTrace</UserTrace>
  </CmdResponse>
</RStream>
```

5.2 XML Response Template for:

EMVSale
EMVVoidSale
VoidSaleByRecordNo
EMVReturn
EMVVoidReturn
VoidReturnByRecordNo
EMVVoiceAuth
EMVZeroAuth
AdjustByRecordNo

XML Response Template:

```
<?xml version="1.0"?>
<RStream>
  <CmdResponse>
    <ResponseOrigin>ResponseOrigin</ResponseOrigin>
    <DSIXReturnCode>DSIXReturnCode</DSIXReturnCode>
    <TextResponse>TextResponse</TextResponse>
    <CmdStatus>CmdStatus</CmdStatus>
    <SequenceNo>SequenceNo</SequenceNo>
    <UserTrace>UserTrace</UserTrace>
  </CmdResponse>
  <TranResponse>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <AcctNo>AcctNo</AcctNo>
    <CardType>CardType</CardType>
    <TranCode>TranCode</TranCode>
    <AuthCode>AuthCode</AuthCode>
    <CaptureStatus>CaptureStatus</CaptureStatus>
    <RefNo>RefNo</RefNo>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <OperatorID>OperatorID</OperatorID>
    <Amount>
      <Purchase>Purchase</Purchase>
      <CashBack>CashBack</CashBack>
      <Gratuity>Gratuity</Gratuity>
      <Authorize>Authorize</Authorize>
    </Amount>
    <CardholderName>CardholderName</CardholderName>
    <AcqRefData>AcqRefData</AcqRefData>
    <PostProcess>PostProcess</PostProcess>
    <ProcessData>ProcessData</ProcessData>
    <RecordNo>RecordNo</RecordNo>
    <EntryMethod>EntryMethod</EntryMethod>
    <Date>Date</Date>
    <Time>Time</Time>
    <ApplicationLabel>ApplicationLabel</ApplicationLabel>
    <AID>AID</AID>
    <TVR>TVR</TVR>
    <IAD>IAD</IAD>
    <TSI>TSI</TSI>
    <ARC>ARC</ARC>
    <CVM>CVM</CVM>
  </TranResponse>
</RStream>
```

```
</TranResponse>
<PrintData>
  <Line1>Line1</Line1>
  <Line2>Line2</Line2>
  <Line3>Line3</Line3>
  .
  .
  <LineN>LineN</LineN>
</PrintData>
</RStream>
```

5.3 ServerVersion XML Response Template

ServerVersion XML Response Template:

```
<?xml version="1.0"?>
<RStream>
  <CmdResponse>
    <ResponseOrigin>ResponseOrigin</ResponseOrigin>
    <DSIXReturnCode>DSIXReturnCode</DSIXReturnCode>
    <TextResponse>TextResponse</TextResponse>
    <CmdStatus>CmdStatus</CmdStatus>
    <SequenceNo>SequenceNo</SequenceNo>
    <UserTrace>UserTrace</UserTrace>
  </CmdResponse>
  <ServerVersion>
    <ProductName>ProductName</ProductName>
    <ProductClass>ProductClass</ProductClass>
    <Provider>Provider</Provider>
    <ProductVersion>ProductVersion</ProductVersion>
    <SerialNo>SerialNo</SerialNo>
  </ServerVersion>
</RStream>
```

5.4 EMVParamLoad XML Response Template

EMVParamLoad XML Response Template:

```
<?xml version="1.0"?>
<RStream>
  <CmdResponse>
    <ResponseOrigin>ResponseOrigin</ResponseOrigin>
    <DSIXReturnCode>DSIXReturnCode</DSIXReturnCode>
    <TextResponse>TextResponse</TextResponse>
    <CmdStatus>CmdStatus</CmdStatus>
    <SequenceNo>SequenceNo</SequenceNo>
    <UserTrace>UserTrace</UserTrace>
  </CmdResponse>
  <TranResponse>
    <TranCode>TranCode</TranCode>
  </TranResponse>
</RStream>
```

5.5 BatchSummary XML Response Template

BatchSummary XML Response Template:

```
<?xml version="1.0"?>
<RStream>
  <CmdResponse>
    <ResponseOrigin>ResponseOrigin</ResponseOrigin>
    <DSIXReturnCode>DSIXReturnCode</DSIXReturnCode>
    <CmdStatus>CmdStatus</CmdStatus>
    <TextResponse>TextResponse</TextResponse>
    <SequenceNo>SequenceNo</SequenceNo>
    <UserTraceData>UserTraceData</UserTraceData>
  </CmdResponse>
  <BatchSummary>
    <MerchantID>MerchantID</MerchantID>
    <OperatorID>OperatorID</OperatorID>
    <TerminalID>TerminalID</TerminalID>
    <BatchNo>BatchNo</BatchNo>
    <BatchItemCount>BatchItemCount</BatchItemCount >
    <NetBatchTotal>NetBatchTotal</NetBatchTotal>
    <CreditPurchaseCount>CreditPurchaseCount</CreditPurchaseCount>
    <CreditPurchaseAmount>CreditPurchaseAmount</CreditPurchaseAmount>
    <CreditReturnCount>CreditReturnCount</CreditReturnCount>
    <CreditReturnAmount>CreditReturnAmount</CreditReturnAmount>
    <DebitPurchaseCount>DebitPurchaseCount</DebitPurchaseCount>
    <DebitPurchaseAmount>DebitPurchaseAmount</DebitPurchaseAmount>
    <DebitReturnCount>DebitReturnCount</DebitReturnCount>
    <DebitReturnAmount>DebitReturnAmount</DebitReturnAmount>
  </BatchSummary>
</RStream>
```

5.6 BatchClose XML Response Template

BatchClose XML Response Template:

```
<?xml version="1.0"?>
<RStream>
  <CmdResponse>
    <ResponseOrigin>ResponseOrigin</ResponseOrigin>
    <DSIXReturnCode>DSIXReturnCode</DSIXReturnCode>
    <CmdStatus>CmdStatus</CmdStatus>
    <TextResponse>TextResponse</TextResponse>
    <SequenceNo>SequenceNo</SequenceNo>
    <UserTraceData>UserTraceData</UserTraceData>
  </CmdResponse>
  <BatchClose>
    <MerchantID>MerchantID</MerchantID>
    <OperatorID>OperatorID</OperatorID>
    <TerminalID>TerminalID</TerminalID>
    <BatchNo>BatchNo</BatchNo>
    <BatchItemCount>BatchItemCount</BatchItemCount >
    <NetBatchTotal>NetBatchTotal</NetBatchTotal>
    <CreditPurchaseCount>CreditPurchaseCount</CreditPurchaseCount>
    <CreditPurchaseAmount>CreditPurchaseAmount</CreditPurchaseAmount>
    <CreditReturnCount>CreditReturnCount</CreditReturnCount>
    <CreditReturnAmount>CreditReturnAmount</CreditReturnAmount>
    <DebitPurchaseCount>DebitPurchaseCount</DebitPurchaseCount>
    <DebitPurchaseAmount>DebitPurchaseAmount</DebitPurchaseAmount>
    <DebitReturnCount>DebitReturnCount</DebitReturnCount>
    <DebitReturnAmount>DebitReturnAmount</DebitReturnAmount>
  </BatchClose>
  <PostProcess>PostProcess</PostProcess>
</RStream>
```

5.7 Transaction: StoreData Response

StoreData XML Response Template:

```
<?xml version="1.0"?>
<RStream>
  <CmdResponse>
    <ResponseOrigin>ResponseOrigin</ResponseOrigin>
    <DSIXReturnCode>DSIXReturnCode</DSIXReturnCode>
    <CmdStatus>CmdStatus</CmdStatus>
    <TextResponse>TextResponse</TextResponse>
    <SequenceNo>SequenceNo</SequenceNo>
    <UserTrace> UserTrace</UserTrace>
  </CmdResponse>
  <TranResponse>
    <TranCode>StoreData</TranCode>
  </TranResponse>
</RStream>
```