



100 New Britain Blvd
Chalfont, PA 18914
Tel: 215-997-8989
E-mail: datacap@dcap.com

dsiEMVX

XML Definitions

V02.00

(Preliminary)

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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/Response XML Definitions

2.1 EMVPadReset

Use: To reset the EMV PIN pad device. This command should be performed before every transaction (Sale, VoidSale, Return, VoidReturn, VoiceAuth) to assure that no card is in the EMV PIN pad chip card (insertion) reader before starting a transaction. This command should also be performed at the end of any card related transaction (Sale, VoidSale, Return, VoidReturn, VoiceAuth) to assure that the user is prompted to remove their card. If no card is in the reader, then a response should be returned with 2-3 seconds. If there's a card in the reader, the EMV PIN pad displays 'Remove Card' and waits for the card to be removed before returning a response; another EMVPadReset should then be issued.

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>
    <PadType>PadType</PadType>
    <ComPort>ComPort</ComPort>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <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>
    <CardType>CardType</CardType>
    <TranCode>EMVSale</TranCode>
    <PadType>PadType</PadType>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
    </Amount>
    <Duplicate>Duplicate</Duplicate>
    <SequenceNo>SequenceNo</SequenceNo>
    <PartialAuth>PartialAuth</PartialAuth>
  </Transaction>
</TStream>
```

2.3 EMVVoidSale

XML Template: **EMVVoidSale** (*Stripe* Account Input on EMV approved PIN pad)

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>
    <PadType>PadType</PadType>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <AuthCode>AuthCode</AuthCode>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
    </Amount>
    <SequenceNo>SequenceNo</SequenceNo>
  </Transaction>
</TStream>
```

2.4 EMVReturn

XML Template: **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>
    <PadType>PadType</PadType>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
    </Amount>
    <Duplicate>Duplicate</Duplicate>
    <SequenceNo>SequenceNo</SequenceNo>
  </Transaction>
</TStream>
```

2.5 EMVVoidReturn

XML Template: **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>EMVReturn</TranCode>
    <PadType>PadType</PadType>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
    </Amount>
    <SequenceNo>SequenceNo</SequenceNo>
  </Transaction>
</TStream>
```

2.6 EMVVoiceAuth

XML Template: **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>
    <PadType>PadType</PadType>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>AcctNo</AcctNo>
    </Account>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <Amount>
      <Purchase>Purchase</Purchase>
      <Gratuity>Gratuity</Gratuity>
    </Amount>
    <Duplicate>Duplicate</Duplicate>
    <SequenceNo>SequenceNo</SequenceNo>
  </Transaction>
</TStream>
```

2.7 ServerVersion

XML Template: **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>
    <PadType>PadType</PadType>
    <ComPort>ComPort</ComPort>
    <InvoiceNo>InvoiceNo</InvoiceNo>
    <RefNo>RefNo</RefNo>
    <SequenceNo>SequenceNo</SequenceNo>
  </Admin>
</TStream>
```

3.0 Transaction Responses

3.1 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>
```


3.3 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>
```