

Magensa Web Services

Portal Service

MPPGv2 Portal Service Programmer's Reference Manual

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Table 0-1 - Revisions

Rev Number	Date	Notes
10	09/08/2017	Initial release.
20	10/20/2020	Updated remaining operation's content

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Purpose of the document

The purpose of this document is to describe the various operations available in MPPGv2 Portal Service and their required or optional input & output parameters. It also provides sample SOAP request & response as reference for client developers.

MPPGv2 Portal Service enables clients to easily integrate transaction details and transaction receipts from Magensa services into their payment applications.

Clients call MPPGv2 Portal Service operations based on search criteria of amount, date time, transaction type, and transaction id. The service returns the matched search criteria results to the client as a list of transaction details or a transaction receipt.

1 MPPGv2 Portal Service Operations

1.1 GetTransactionDetail

This operation retrieves a list where each record contains transaction details. The list returned is a match against the search criteria submitted by the request.

1.1.1 INPUT PROPERTIES

Property (* required)	Type	Description
AmountFrom **	Decimal	This is the lower transaction amount limit of the search criteria. A TransactionDetail is not returned when its Amount field is less than AmountFrom. This field is required only if AmountTo is included.
AmountTo **	Decimal	This is the upper transaction amount limit of the search criteria. A TransactionDetail is not returned when its Amount field is greater than AmountTo. This field is required only if AmountFrom is included.
AuthorizedAmountFrom**	Decimal	This is the lower transaction amount limit of the search criteria. A TransactionDetail is not returned when its Amount field is less than AuthorizedAmountFrom. This field is required only if AuthorizedAmountFrom is included.
AuthorizedAmountTo**	Decimal	This is the upper transaction amount limit of the search criteria. A TransactionDetail is not returned when its Amount field is greater than AuthorizedAmountTo. This field is required only if AuthorizedAmountFrom is included.
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference
DeviceSN	String	MagTek device serial number
EndDateTime *	DateTime	The end date time for the search criteria in UTC format Not past the current date time based on GMT + 24 hours Not before the StartDateTime field Within last 120 days

Property (* required)	Type	Description
PageBookmarkTransactionID	Integer	<p>Use this as a bookmark to traverse the records. Set the initial value to 0 to retrieve the first page. For retrieving records beyond the first page, set this field to the ID field returned in the last record.</p> <p>Example: total records range from ID[105, 104, 103, 102] PageSize=2 and PageBookMarkTransactionID=0 returns records [105, 104]</p> <p>PageSize=2 and PageBookMarkTransactionID=104 returns records [103, 102]</p> <p>PageSize=2 and PageBookMarkTransactionID=103 returns records [102]</p>
PageSize	Integer	<p>This is the size of the transaction details list to return after each request. Set PageSize to a value higher than 0 to retrieve a subset page of records.</p> <p>0 returns all records matching the search criteria in decreasing order.</p> <p>A positive value returns a page of records matching the search criteria in decreasing order.</p> <p>A negative value returns a page of records matching the search criteria in increasing order.</p>
ProcessorResponseCode	String	Processor response code mapped to the TransactionStatus field of the returned transaction details
StartDateTime *	DateTime	<p>This is the start date time for the search criteria in UTC format. This field is mapped to the TransactionUTCTimestamp field of the returned transaction details.</p> <p>Not past the current date time based on GMT + 24 hours</p> <p>Not past the EndDateTime field</p> <p>Within last 120 days</p>
TransactionType *	String	<p>Transaction type:</p> <p>SALE, AUTHORIZE, CAPTURE, VOID, REFUND, FORCE, REJECT</p>

Note: * = Required, ** = Required only as a set.

1.1.2 OUTPUT PROPERTIES

Property	Type	Description
AVSResult	String	Address Verification System result from target service provider
Amount	Decimal	Amount for transaction in units (dollars or cents) as per target service provider's API.
AuthCode	String	Authorized amount from target service provider.
CVVResult	String	Card Verification Value result from target service provider.
CustomerTransactionID	String	Client-assigned transaction ID from input.
DeviceSN	String	MagTek device serial number
ID	Long	ID of the transaction detail record. To implement paging, use the value of this field for setting PageBookmarkTransactionID.
IsReplay	Boolean	Boolean value indicating prior use of KSN from Magensa.
MagMessage	String	Magensa Message for the transaction
MagOperation	String	Magensa operation used to process the transaction
MagStatus	String	Magensa status code
MagTranID	String	Magensa Transaction ID (GUID)
MagnePrintScore	Decimal	Magensa MagnePrint score
Processor	String	Processor used to process the transaction
ReferenceAuthCode	String	Processor reference authorization code
ReferenceTransactionID	String	Processor reference Transaction ID
TransactionID	String	Transaction ID from target service provider.
TransactionInputDetailXML	String	Input details of the transaction
TransactionMessage	String	Transaction Message from processor
TransactionStatus	String	Transaction status from processor
TransactionType	String	Transaction type: SALE, AUTHORIZE, CAPTURE, VOID, REFUND, FORCE, REJECT
ZIP	String	Zip code
TransactionUTCTimestamp	String	Transaction timestamp from Magensa

GetTransactionDetail Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core">
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionDetail>
      <!--Optional:-->
      <mpp:GetTransactionDetailRequest>
        <mpp1:AmountFrom>00.00</mpp1:AmountFrom>
        <mpp1:AmountTo>100.00</mpp1:AmountTo>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>password</mpp1:Password>
          <mpp1:Username>username</mpp1:Username>
        </mpp1:Authentication>
      <!--Optional:-->

      <mpp1:AuthorizedAmountFrom>00.00</mpp1:AuthorizedAmountFrom>
      <!--Optional:-->
      <mpp1:AuthorizedAmountTo>100.00</mpp1:AuthorizedAmountTo>
      <!--Optional:-->
      <mpp1:CustomerTransactionID>123</mpp1:CustomerTransactionID>
      <mpp1:DeviceSN></mpp1:DeviceSN>
      <mpp1:EndDateTime>2020-05-
01T10:39:00.000</mpp1:EndDateTime>

      <mpp1:PageBookmarkTransactionID>0</mpp1:PageBookmarkTransactionID>
      <mpp1:PageSize>2</mpp1:PageSize>

      <mpp1:ProcessorResponseCode>000</mpp1:ProcessorResponseCode>
      <mpp1:StartDateTime>2020-01-
30T15:00:00.000</mpp1:StartDateTime>
      <mpp1:TransactionType>SALE</mpp1:TransactionType>
    </mpp:GetTransactionDetailRequest>
  </mpp:GetTransactionDetail>
</soapenv:Body>
</soapenv:Envelope>
```

GetTransactionDetail Response

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionDetailResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionDetailResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:CustomerTransactionID>123</a:CustomerTransactionID>
        <a:MagTranID>ab012c49-e6e7-4862-aea8-
9e07fcc2ce80</a:MagTranID>
        <a:TransactionDetails>
          <a:TransactionDetail>
            <a:AVSResult>Z</a:AVSResult>
            <a:Amount>2.0000</a:Amount>
            <a:AuthCode>OK2112</a:AuthCode>
            <a:AuthorizedAmount>2.0000</a:AuthorizedAmount>
            <a:CVVResult i:nil="true"/>
            <a:CustomerTransactionID>MPPGv3
ProcessKeyPadEntry</a:CustomerTransactionID>
            <a:DeviceSN>B487DBC022119AA</a:DeviceSN>
            <a:ID>88338725</a:ID>
            <a:IsReplay i:nil="true"/>
            <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
            <a:MagOperation>ProcessKeyPadEntry</a:MagOperation>
            <a:MagStatus>1000</a:MagStatus>
            <a:MagTranID>829af53e-04c0-4024-b2ad-
d82c0e12f6ba</a:MagTranID>
            <a:MagnePrintScore i:nil="true"/>
            <a:PANLast4 i:nil="true"/>
            <a:Processor>Rapid Connect v3 - Pilot</a:Processor>
            <a:ReferenceAuthCode i:nil="true"/>
            <a:ReferenceTransactionID i:nil="true"/>

<a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>

<a:TransactionID>010122387993944G765</a:TransactionID>
          <a:TransactionInputDetailXML i:nil="true"/>

<a:TransactionMessage>APPROVAL</a:TransactionMessage>
            <a:TransactionStatus>000</a:TransactionStatus>
            <a:TransactionType>SALE</a:TransactionType>
            <a:TransactionUTCTimestamp>2020-05-
01T04:18:38.837</a:TransactionUTCTimestamp>
            <a:ZIP>12345</a:ZIP>
          </a:TransactionDetail>
          <a:TransactionDetail>
            <a:AVSResult>Z</a:AVSResult>
            <a:Amount>2.0000</a:Amount>
            <a:AuthCode>OK1759</a:AuthCode>
```

```

        <a:AuthorizedAmount>2.0000</a:AuthorizedAmount>
        <a:CVVResult i:nil="true"/>
        <a:CustomerTransactionID>MPPGv3
ProcessKeyPadEntry</a:CustomerTransactionID>
        <a:DeviceSN>992720E117121810</a:DeviceSN>
        <a:ID>86620470</a:ID>
        <a:IsReplay i:nil="true"/>
        <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
        <a:MagOperation>ProcessKeyPadEntry</a:MagOperation>
        <a:MagStatus>1000</a:MagStatus>
        <a:MagTranID>51699087-481b-4cb8-a852-
f9c10ca39bff</a:MagTranID>
        <a:MagnePrintScore i:nil="true"/>
        <a:PANLast4 i:nil="true"/>
        <a:Processor>Rapid Connect v3 - Pilot</a:Processor>
        <a:ReferenceAuthCode i:nil="true"/>
        <a:ReferenceTransactionID i:nil="true"/>

<a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>

<a:TransactionID>010112035494038G156</a:TransactionID>
        <a:TransactionInputDetailXML i:nil="true"/>

<a:TransactionMessage>APPROVAL</a:TransactionMessage>
        <a:TransactionStatus>000</a:TransactionStatus>
        <a:TransactionType>SALE</a:TransactionType>
        <a:TransactionUTCTimestamp>2020-04-
21T11:14:18.863</a:TransactionUTCTimestamp>
        <a:ZIP>12345</a:ZIP>
        </a:TransactionDetail>
    </a:TransactionDetails>
    <a:TransactionUTCTimestamp>2020-05-01
04:19:01Z</a:TransactionUTCTimestamp>
    </GetTransactionDetailResult>
  </GetTransactionDetailResponse>
</s:Body>
</s:Envelope>
```

1.2 GetTransactionReceipt

This operation retrieves a receipt of a transaction returned from a GetTransactionDetail request. The response includes a TransactionReceiptURL which displays the receipt. Any signature capture sent with the request to GetTransactionReceipt is included with the returned receipt.

1.2.1 INPUT PROPERTIES

Property (* required)	Type	Description
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.
Latitude *	String	Latitude component of the geographical coordinate location
Longitude *	String	Longitude component of the geographical coordinate location
SignatureAsBase64String	String	Signature captured during the transaction encoded in base64 format
TransactionID *	Integer	TransactionID for a record returned from GetTransactionDetail
TransactionType *	String	TransactionType for a record returned from GetTransactionDetail

Note: * = Required

1.2.2 OUTPUT PROPERTIES

Property	Type	Description
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
ReceiptEmailBCC	String	Blind carbon copy email address to send the Transaction Receipt URL
ReceiptEmailCC	String	Carbon copy email address to send the Transaction Receipt URL
ReceiptEmailMessage	String	Email message to send
ReceiptMMSMessage	String	Email message to send to MMS
TransactionReceiptURL	String	This is the URL of the receipt. The value of this field is generated only once for a given TransactionID. Any signature captures to embed in the receipt must be included the first call to GetTransactionReceipt.
TransactionUTCTimestamp	String	Transaction timestamp from Magensa

GetTransactionReceipt Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core">
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionReceipt>
      <!--Optional:-->
      <mpp:GetTransactionReceiptRequest>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>username</mpp1:Password>
          <mpp1:Username>password</mpp1:Username>
        </mpp1:Authentication>
        <!--Optional:-->
        <mpp1:CustomerTransactionID>?</mpp1:CustomerTransactionID>
        <!--Optional:-->
        <mpp1:Latitude>33</mpp1:Latitude>
        <!--Optional:-->
        <mpp1:Longitude>-118</mpp1:Longitude>
        <!--Optional:-->
      </mpp:GetTransactionReceiptRequest>
    </mpp:GetTransactionReceipt>
  </soapenv:Body>
</soapenv:Envelope>
```

GetTransactionReceipt Response:

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: text/xml; charset=utf-8
Content-Encoding: gzip
Vary: Accept-Encoding
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionReceiptResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionReceiptResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:CustomerTransactionID?</a:CustomerTransactionID>
        <a:MagTranID>bb7797c9-4521-4f20-a611-
4e7a3cd71ac9</a:MagTranID>
        <a:ReceiptEmailBCC/>
        <a:ReceiptEmailCC/>
        <a:ReceiptEmailMessage/>
        <a:ReceiptMMSMessage/>
        <a:TransactionReceiptURL>https://customers.magensa.net/receipts/2020-
05-01/00321ef1-4227-40b6-a0fc-
5696a4c204b7.html</a:TransactionReceiptURL>
        <a:TransactionUTCTimestamp>2020-05-01
11:17:38Z</a:TransactionUTCTimestamp>
      </GetTransactionReceiptResult>
    </GetTransactionReceiptResponse>
  </s:Body>
</s:Envelope>
```

1.3 GetOneLineTransactionSummaryForReseller

1.3.1 INPUT PROPERTIES

Property (* required)	Type	Description
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
AdditionalRequestData	Array of key/value	A group that contains custom request data required by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.
EndDateTime	String	End Date for Transactions to fetch to
ResellerID	Int	Reseller Id
StartDateTime	String	Start Date Transactions to fetch from

Note: * = Required

1.3.2 OUTPUT PROPERTIES

Property	Type	Description
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
AdditionalResponseData	Array of key/value	A group that contains additional output data returned by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples.
AuthorizeCount	Integer	Authorize Count
AuthorizeTotal	Decimal	Authorize Total
CaptureCount	Integer	Capture Count
CaptureTotal	Decimal	Capture Total
EMVRejectCount	Integer	EMVReject Count
EMVRejectTotal	Decimal	EMVReject Total
ForceCount	Integer	Force Count
ForceTotal	Decimal	Force Total
RefundCount	Integer	Refund Count
RefundTotal	Decimal	Refund Total
SalesCount	Integer	Sales Count
SalesTotal	Decimal	Sales Total
TokenCount	Integer	Token Count
TokenTotal	Decimal	Token Total
VoidCount	Integer	Void Count
VoidTotal	Decimal	Void Total
TransactionUTCTimestamp	String	Transaction timestamp from Magensa

GetOneLineTransactionSummaryForReseller Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.Generic">
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetOneLineTransactionSummaryForReseller>
      <!--Optional:-->
      <mpp:GetOneLineTransactionSummaryForResellerRequest>
        <!--Optional:-->
        <mpp1:AdditionalRequestData>
          <!--Zero or more repetitions:-->
          <sys:KeyValuePairOfstringstring>
            <sys:key>?</sys:key>
            <sys:value>?</sys:value>
          </sys:KeyValuePairOfstringstring>
        </mpp1:AdditionalRequestData>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>password</mpp1:Password>
          <mpp1:Username>username</mpp1:Username>
        </mpp1:Authentication>
        <mpp1:CustomerTransactionID>?</mpp1:CustomerTransactionID>
        <mpp1:EndDateTime>2020-03-08T00:00:00</mpp1:EndDateTime>
        <mpp1:ResellerID>10440</mpp1:ResellerID>
        <mpp1:StartDateTime>2020-01-
08T00:00:00</mpp1:StartDateTime>
      </mpp:GetOneLineTransactionSummaryForResellerRequest>
    </mpp:GetOneLineTransactionSummaryForReseller>
  </soapenv:Body>
</soapenv:Envelope>
```

GetOneLineTransactionSummaryForReseller Response:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetOneLineTransactionSummaryForResellerResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetOneLineTransactionSummaryForResellerResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AdditionalResponseData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Generic"/>
        <a:CustomerTransactionID>?</a:CustomerTransactionID>
        <a:MagTranID>ee9e56f6-b3c9-4088-belc-
7b339ca63854</a:MagTranID>
        <a:TransactionSummary>
```

```
<a:AuthorizeCount>0</a:AuthorizeCount>
<a:AuthorizeTotal>0.0000</a:AuthorizeTotal>
<a:CaptureCount>0</a:CaptureCount>
<a:CaptureTotal>0.0000</a:CaptureTotal>
<a:EMVRejectCount>0</a:EMVRejectCount>
<a:EMVRejectTotal>0.0000</a:EMVRejectTotal>
<a:ForceCount>0</a:ForceCount>
<a:ForceTotal>0.0000</a:ForceTotal>
<a:RefundCount>0</a:RefundCount>
<a:RefundTotal>0.0000</a:RefundTotal>
<a:SalesCount>0</a:SalesCount>
<a:SalesTotal>0.0000</a:SalesTotal>
<a:TokenCount>0</a:TokenCount>
<a:TokenTotal>0.0000</a:TokenTotal>
<a:VoidCount>0</a:VoidCount>
<a:VoidTotal>0.0000</a:VoidTotal>
</a:TransactionSummary>
<a:TransactionUTCTimestamp>2020-05-06
07:36:12Z</a:TransactionUTCTimestamp>
</GetOneLineTransactionSummaryForResellerResult>
</GetOneLineTransactionSummaryForResellerResponse>
</s:Body>
</s:Envelope>
```

1.4 GetTransactionByMagTranID

1.4.1 INPUT PROPERTIES

Property (* required)	Type	Description
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.
ResellerID *	Integer	Reseller ID
AdditionalRequestData	Array of key/value	A group that contains custom request data required by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples

Note: * = Required

1.4.2 OUTPUT PROPERTIES

Property	Type	Description
AdditionalResponseData	Array of key/value	A group that contains additional output data returned by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples.
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
AVSResult	String	Address Verification System result from target service provider
Amount	Decimal	Amount for transaction in units (dollars or cents) as per target service provider's API.
AuthCode	String	Authorized amount from target service provider.
CVVResult	String	Card Verification Value result from target service provider.
DeviceSN	String	MagTek device serial number
ID	Long	ID of the transaction detail record. To implement paging, use the value of this field for setting PageBookmarkTransactionID.
IsReplay	Boolean	Boolean value indicating prior use of KSN from Magensa.
MagMessage	String	Magensa Message for the transaction
MagOperation	String	Magensa operation used to process the transaction
MagStatus	String	Transaction timestamp from Magensa
MagnePrintScore	Decimal	Magensa MagnePrint score
PANLast4	Ineger	
Processor	String	Processor used to process the transaction
ReferenceAuthCode	String	Processor reference authorization code
ReferenceTransactionID	String	Processor reference Transaction ID
ResellerCanVoidRefund	Boolean	Boolean input for Reseller Can Void Refund a transaction
TransactionID	String	Transaction ID from target service provider.
TransactionInputDetailXML	String	Input details of the transaction
TransactionMessage	String	Transaction Message from processor
TransactionStatus	String	Transaction status from processor
TransactionType	String	Transaction type: SALE, AUTHORIZE, CAPTURE, VOID, REFUND, FORCE, REJECT
TransactionUTCTimestamp	String	Transaction timestamp from Magensa

GetTransactionByMagTranID Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.Generic">
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionByMagTranID>
      <!--Optional:-->
      <mpp:GetTransactionByMagTranIDRequest>
        <!--Optional:-->
        <mpp1:AdditionalRequestData>
          <!--Zero or more repetitions:-->
          <sys:KeyValuePairOfstringstring>
            <sys:key>?</sys:key>
            <sys:value>?</sys:value>
          </sys:KeyValuePairOfstringstring>
        </mpp1:AdditionalRequestData>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>password</mpp1:Password>
          <mpp1:Username>username</mpp1:Username>
        </mpp1:Authentication>
        <!--Optional:-->
        <mpp1:CustomerTransactionID></mpp1:CustomerTransactionID>
        <mpp1:MagTranID>95327554-3453-435d-ba79-002b24a5a548</mpp1:MagTranID>
        <!--Optional:-->
        <mpp1:ResellerID>10103</mpp1:ResellerID>
      </mpp:GetTransactionByMagTranIDRequest>
    </mpp:GetTransactionByMagTranID>
  </soapenv:Body>
</soapenv:Envelope>
```

GetTransactionByMagTranID Response:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionByMagTranIDResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionByMagTranIDResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AdditionalResponseData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Ge
neric"/>
          <a:CustomerTransactionID/>
          <a:MagTranID>020986b1-9bcd-4992-a358-
f56e11883ab3</a:MagTranID>
          <a:TransactionDetail>
            <a:AVSResult i:nil="true"/>
            <a:Amount>58.2700</a:Amount>
            <a:AuthCode>463030</a:AuthCode>
            <a:AuthorizedAmount>58.2700</a:AuthorizedAmount>
            <a:CVVResult i:nil="true"/>
            <a:CustomerTransactionID i:nil="true"/>
            <a:DeviceSN i:nil="true"/>
            <a:ID>146758</a:ID>
            <a:IsReplay>false</a:IsReplay>
            <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
            <a:MagOperation>ProcessEMVSRED</a:MagOperation>
            <a:MagStatus>1000</a:MagStatus>
            <a:MagTranID>95327554-3453-435d-ba79-
002b24a5a548</a:MagTranID>
            <a:MagnePrintScore i:nil="true"/>
            <a:PANLast4>1111</a:PANLast4>
            <a:Processor>Rapid Connect v3 -
Production</a:Processor>
            <a:ReferenceAuthCode i:nil="true"/>
            <a:ReferenceTransactionID i:nil="true"/>
          <a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>
          <a:TransactionID>3073646147052335CPN</a:TransactionID>
          <a:TransactionInputDetailXML i:nil="true"/>
          <a:TransactionMessage>APPROVAL</a:TransactionMessage>
          <a:TransactionStatus>000</a:TransactionStatus>
          <a:TransactionType>SALE</a:TransactionType>
          <a:TransactionUTCTimestamp>2020-07-
30T17:04:30.46</a:TransactionUTCTimestamp>
          <a:ZIP i:nil="true"/>
        </a:TransactionDetail>
        <a:TransactionUTCTimestamp>2020-08-26
05:58:57Z</a:TransactionUTCTimestamp>
      </GetTransactionByMagTranIDResult>
    </GetTransactionByMagTranIDResponse>
  </s:Body>
</s:Envelope>
```

```
</s:Body>  
</s:Envelope>
```

1.5 GetTransactionReportColumns

1.5.1 INPUT PROPERTIES

Property (* required)	Type	Description
AdditionalRequestData	Array of key/value	A group that contains custom request data required by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.

Note: * = Required

1.5.2 OUTPUT PROPERTIES

Property	Type	Description
AdditionalResponseData	Array of key/value	A group that contains additional output data returned by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples.
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
TransactionReportColumns	Array of Strings	Transaction Report Column names
TransactionUTCTimestamp	String	Transaction timestamp from Magensa

GetTransactionReportColumns Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.Generic">
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionReportColumns>
      <!--Optional:-->
      <mpp:GetTransactionReportColumnsRequest>
        <!--Optional:-->
        <mpp1:AdditionalRequestData>
          <!--Zero or more repetitions:-->
          <sys:KeyValuePairOfstringstring>
            <sys:key>?</sys:key>
            <sys:value>?</sys:value>
          </sys:KeyValuePairOfstringstring>
        </mpp1:AdditionalRequestData>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>password</mpp1:Password>
          <mpp1:Username>username</mpp1:Username>
        </mpp1:Authentication>
        <!--Optional:-->
        <mpp1:CustomerTransactionID>?</mpp1:CustomerTransactionID>
      </mpp:GetTransactionReportColumnsRequest>
    </mpp:GetTransactionReportColumns>
  </soapenv:Body>
</soapenv:Envelope>
```

GetTransactionReportColumns Response:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionReportColumnsResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionReportColumnsResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AdditionalResponseData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Ge
neric"/>
          <a:CustomerTransactionID?</a:CustomerTransactionID>
          <a:MagTranID>01075e8c-0335-4b15-99f7-
353deb28c8b0</a:MagTranID>
          <a:TransactionReportColumns
xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
            <b:string>TransactionUTCTimestamp</b:string>
            <b:string>CustomerTransactionID</b:string>
            <b:string>TransactionType</b:string>
            <b:string>Amount</b:string>
            <b:string>AuthorizedAmount</b:string>
            <b:string>Processor</b:string>
            <b:string>TransactionID</b:string>

            <b:string>TransactionStatus</b:string>
            <b:string>TransactionMessage</b:string>
            <b:string>AuthCode</b:string>
            <b:string>AVSResult</b:string>
            <b:string>CVVResult</b:string>
            <b:string>MagOperation</b:string>
            <b:string>MagTranID</b:string>
            <b:string>MagStatus</b:string>
            <b:string>MagMessage</b:string>
            <b:string>PScore</b:string>
            <b:string>IsReplay</b:string>
            <b:string>ReferenceTransactionID</b:string>
            <b:string>ReferenceAuthCode</b:string>
            <b:string>ZIP</b:string>
            <b:string>TransactionInputDetailXML</b:string>
            <b:string>DeviceSN</b:string>
            <b:string>PANLast</b:string>
          </a:TransactionReportColumns>
          <a:TransactionUTCTimestamp>2020-05-01
11:28:18Z</a:TransactionUTCTimestamp>
        </GetTransactionReportColumnsResult>
      </GetTransactionReportColumnsResponse>
    </s:Body>
  </s:Envelope>
```

1.6 GetTransactionsByCustomerAndDateRange

1.6.1 INPUT PROPERTIES

Property (* required)	Type	Description
AdditionalRequestData	Array of key/value	A group that contains custom request data required by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.
AmountFromFilter *	String	Amount from Filter
AmountToFilter *	String	Amount To Filter
CustomerID *	Integer	Customer id value
CustomerShardByte *	Byte	CustomerShardByte value
CustomerTransactionIDFilter	String	CustomerTransactionID Filter
DeviceSNFilter	String	DeviceSN Filter
EndDateTime *	String	Valid End Date
MagTranIDFilter	String	MagTranID Filter
PANLast4Filter	Integer	PANLast4 digits to Filter
PageNumber	Integer	Number of the page to show
PageSize *	Integer	This is the size of the transaction details list to return after each request. Set PageSize to a value higher than 0 to retrieve a subset page of records. 0 returns all records matching the search criteria in decreasing order. A positive value returns a page of records matching the search criteria in decreasing order. A negative value returns a page of records matching the search criteria in increasing order
ResellerID *	Integer	Reseller ID
SortBy	Integer	SortBy values range from 21- 43
StartDateTime	String	Valid Start Date
TransactionTypeListFilter	String	TransactionType SALE, AUTHORIZE, CAPTURE, VOID, REFUND, FORCE, REJECT

Note: * = Required

1.6.2 OUTPUT PROPERTIES

Property	Type	Description
AdditionalResponseData	Array of key/value	A group that contains additional output data returned by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples.
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
MaxPageSize	String	Max Page size
TotalRowCount	String	TotalRowCount
AVSResult	String	Address Verification System result from target service provider
Amount	Decimal	Amount for transaction in units (dollars or cents) as per target service provider's API.
AuthorizedAmount	Decimal	Amount authorized
AuthCode	String	Authorized amount from target service provider.
CVVResult	String	Card Verification Value result from target service provider.
CustomerTransactionID	String	Client-assigned transaction ID from input.
DeviceSN	String	MagTek device serial number
ID	Long	ID of the transaction detail record.
IsReplay	Boolean	Boolean value indicating prior use of KSN from Magensa.
MagMessage	String	Magensa Message for the transaction
MagOperation	String	Magensa operation used to process the transaction
MagStatus	String	Transaction timestamp from Magensa
MagTranID	String	Magensa Transaction ID (GUID)
MagnePrintScore	Decimal	Magensa MagnePrint score
PANLast4	Integer	PANLast4 digits to Filter
Processor	String	Processor used to process the transaction
ReferenceAuthCode	String	Processor reference authorization code
ReferenceTransactionID	String	Processor reference Transaction ID
ResellerCanVoidRefund	Boolean	Boolean input for Reseller Can Void Refund a transaction
TransactionID	String	Transaction ID from target service provider.
TransactionInputDetailXML	String	Input details of the transaction
TransactionMessage	String	Transaction Message from processor
TransactionStatus	String	Transaction status from processor

Property	Type	Description
TransactionType	String	Transaction type: SALE, AUTHORIZE, CAPTURE, VOID, REFUND, FORCE, REJECT
TransactionUTCTimestamp	String	Transaction timestamp from Magensa
ZIP	Integer	ZIP code

GetTransactionsByCustomerAndDateRange Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.Generic" xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionsByCustomerAndDateRange
xmlns="http://www.magensa.net/MPPGv2Portal/"
      <!--Optional:-->
      <mpp:GetTransactionsByCustomerAndDateRangeRequest
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <!--Optional:-->
        <mpp1:AdditionalRequestData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Generic"><!--Zero or more repetitions:-->
          <sys:KeyValuePairOfstringstring>
            <sys:key>?</sys:key>
            <sys:value>?</sys:value>
          </sys:KeyValuePairOfstringstring>
        </mpp1:AdditionalRequestData>
        <!--Optional:-->
        <mpp1:AmountFromFilter i:nil="true"/>
        <!--Optional:-->
        <mpp1:AmountToFilter i:nil="true"/>
        <!--Optional:-->
        <mpp1:AuthCodeFilter i:nil="true"/>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>password</mpp1:Password>
          <mpp1:Username>username</mpp1:Username>
        </mpp1:Authentication>
        <!--Optional:-->
        <mpp1:CustomerID>CustomerId</mpp1:CustomerID>
        <!--Optional:-->
        <mpp1:CustomerShardByte>69</mpp1:CustomerShardByte>
        <!--Optional:-->
        <mpp1:CustomerTransactionID i:nil="true"/>
        <!--Optional:-->
        <mpp1:CustomerTransactionIDFilter i:nil="true"/>
        <!--Optional:-->
        <mpp1:DeviceSNFilter i:nil="true"/>
        <!--Optional:-->
        <mpp1:EndDateTime>2020-08-14T23:59:59</mpp1:EndDateTime>
        <!--Optional:-->
        <mpp1:MagTranIDFilter i:nil="true"/>
        <!--Optional:-->
```

```
<mpp1:PANLast4Filter i:nil="true"/>
<!--Optional:-->
<mpp1:PageNumber>1</mpp1:PageNumber>
<!--Optional:-->
<mpp1:PageSize>10</mpp1:PageSize>
<!--Optional:-->
<mpp1:ResellerID>10103</mpp1:ResellerID>
<!--Optional:-->
<mpp1:SortBy>34</mpp1:SortBy>
<!--Optional:-->
<mpp1:StartDateTime>2020-07-
01T00:00:00</mpp1:StartDateTime>
<!--Optional:-->

<mpp1:TransactionTypeListFilter>SALE,AUTHORIZE,CAPTURE,VOID,REFUND,FOR
CE,EMV_REJECT,TOKEN,REPORT</mpp1:TransactionTypeListFilter>
  </mpp:GetTransactionsByCustomerAndDateRangeRequest>
</mpp:GetTransactionsByCustomerAndDateRange>
</soapenv:Body>
</soapenv:Envelope>
```

GetTransactionsByCustomerAndDateRange Response:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionsByCustomerAndDateRangeResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionsByCustomerAndDateRangeResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AdditionalResponseData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Ge
neric"/>
          <a:CustomerTransactionID i:nil="true"/>
          <a:MagTranID>e15861dc-01fa-43a9-82a9-
0526244d97ac</a:MagTranID>
          <a:MaxPageSize>1012</a:MaxPageSize>
          <a:TotalRowCount>10118</a:TotalRowCount>
          <a:TransactionDetails>
            <a:TransactionDetail>
              <a:AVSResult i:nil="true"/>
              <a:Amount>2.3900</a:Amount>
              <a:AuthCode>413668</a:AuthCode>
              <a:AuthorizedAmount>2.3900</a:AuthorizedAmount>
              <a:CVVResult i:nil="true"/>
              <a:CustomerTransactionID i:nil="true"/>
              <a:DeviceSN i:nil="true"/>
              <a:ID>127500</a:ID>
              <a:IsReplay>false</a:IsReplay>
              <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
              <a:MagOperation>ProcessEMVSRED</a:MagOperation>
              <a:MagStatus>1000</a:MagStatus>
              <a:MagTranID>64b5832e-bb4e-4921-86db-
00041e6fb6d7</a:MagTranID>
              <a:MagnePrintScore i:nil="true"/>
              <a:PANLast4>5584</a:PANLast4>
              <a:Processor>Rapid Connect v3 -
Production</a:Processor>
              <a:ReferenceAuthCode i:nil="true"/>
              <a:ReferenceTransactionID i:nil="true"/>
            <a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>
            <a:TransactionID>307344764504485WNFJ</a:TransactionID>
              <a:TransactionInputDetailXML i:nil="true"/>
            <a:TransactionMessage>APPROVAL</a:TransactionMessage>
              <a:TransactionStatus>000</a:TransactionStatus>
              <a:TransactionType>SALE</a:TransactionType>
              <a:TransactionUTCTimestamp>2020-07-
10T21:14:11.49</a:TransactionUTCTimestamp>
              <a:ZIP i:nil="true"/>
            
```



```

    </a:TransactionDetail>
    <a:TransactionDetail>
      <a:AVSResult i:nil="true"/>
      <a:Amount i:nil="true"/>
      <a:AuthCode i:nil="true"/>
      <a:AuthorizedAmount i:nil="true"/>
      <a:CVVResult i:nil="true"/>
      <a:CustomerTransactionID i:nil="true"/>
      <a:DeviceSN i:nil="true"/>
      <a:ID>119739</a:ID>
      <a:IsReplay>false</a:IsReplay>
      <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
      <a:MagOperation>ProcessEMVSRED</a:MagOperation>
      <a:MagStatus>1000</a:MagStatus>
      <a:MagTranID>f5e36a12-5d34-46e4-bd0e-
000ae8b12239</a:MagTranID>
      <a:MagnePrintScore i:nil="true"/>
      <a:PANLast4>3455</a:PANLast4>
      <a:Processor>Token</a:Processor>
      <a:ReferenceAuthCode i:nil="true"/>
      <a:ReferenceTransactionID i:nil="true"/>

<a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>
      <a:TransactionID>3fbela9c-763b-4f88-a23d-
f2cdcd1c6bc6</a:TransactionID>
      <a:TransactionInputDetailXML i:nil="true"/>
      <a:TransactionMessage>000</a:TransactionMessage>
      <a:TransactionStatus>000</a:TransactionStatus>
      <a:TransactionType>TOKEN</a:TransactionType>
      <a:TransactionUTCTimestamp>2020-07-
02T15:22:05.05</a:TransactionUTCTimestamp>
      <a:ZIP i:nil="true"/>
    </a:TransactionDetail>
    <a:TransactionDetail>
      <a:AVSResult i:nil="true"/>
      <a:Amount i:nil="true"/>
      <a:AuthCode i:nil="true"/>
      <a:AuthorizedAmount i:nil="true"/>
      <a:CVVResult i:nil="true"/>
      <a:CustomerTransactionID i:nil="true"/>
      <a:DeviceSN i:nil="true"/>
      <a:ID>126920</a:ID>
      <a:IsReplay>false</a:IsReplay>
      <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
      <a:MagOperation>ProcessCardSwipe</a:MagOperation>
      <a:MagStatus>1000</a:MagStatus>
      <a:MagTranID>4fda79fd-b479-4157-b2a9-
0010b3ca5482</a:MagTranID>
      <a:MagnePrintScore>0.90922370</a:MagnePrintScore>
      <a:PANLast4 i:nil="true"/>

```

```

        <a:Processor>Token</a:Processor>
        <a:ReferenceAuthCode i:nil="true"/>
        <a:ReferenceTransactionID i:nil="true"/>
<a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>
        <a:TransactionID>4d4152ad-cc92-4783-9830-
2205ee8f5e7b</a:TransactionID>
        <a:TransactionInputDetailXML i:nil="true"/>
        <a:TransactionMessage>000</a:TransactionMessage>
        <a:TransactionStatus>000</a:TransactionStatus>
        <a:TransactionType>TOKEN</a:TransactionType>
        <a:TransactionUTCTimestamp>2020-07-
10T17:35:33.67</a:TransactionUTCTimestamp>
        <a:ZIP i:nil="true"/>
</a:TransactionDetail>
<a:TransactionDetail>
        <a:AVSResult i:nil="true"/>
        <a:Amount i:nil="true"/>
        <a:AuthCode i:nil="true"/>
        <a:AuthorizedAmount i:nil="true"/>
        <a:CVVResult i:nil="true"/>
<a:CustomerTransactionID>ProcessManualEntry</a:CustomerTransactionID>
        <a:DeviceSN i:nil="true"/>
        <a:ID>136459</a:ID>
        <a:IsReplay i:nil="true"/>
        <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
        <a:MagOperation>ProcessManualEntry</a:MagOperation>
        <a:MagStatus>1000</a:MagStatus>
        <a:MagTranID>b4c603ec-2a45-49b7-ac87-
00116dcb2b0d</a:MagTranID>
        <a:MagnePrintScore i:nil="true"/>
        <a:PANLast4>5533</a:PANLast4>
        <a:Processor>Token</a:Processor>
        <a:ReferenceAuthCode i:nil="true"/>
        <a:ReferenceTransactionID i:nil="true"/>
<a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>
        <a:TransactionID>52163c40-909a-454c-b7ba-
230b8f26d1e9</a:TransactionID>
        <a:TransactionInputDetailXML i:nil="true"/>
        <a:TransactionMessage>000</a:TransactionMessage>
        <a:TransactionStatus>000</a:TransactionStatus>
        <a:TransactionType>TOKEN</a:TransactionType>
        <a:TransactionUTCTimestamp>2020-07-
23T01:52:21.22</a:TransactionUTCTimestamp>
        <a:ZIP i:nil="true"/>
</a:TransactionDetail>
<a:TransactionDetail>
        <a:AVSResult i:nil="true"/>
        <a:Amount>57.7400</a:Amount>

```

```

        <a:AuthCode>602688</a:AuthCode>
        <a:AuthorizedAmount>57.7400</a:AuthorizedAmount>
        <a:CVVResult i:nil="true"/>
        <a:CustomerTransactionID i:nil="true"/>
        <a:DeviceSN i:nil="true"/>
        <a:ID>126867</a:ID>
        <a:IsReplay>false</a:IsReplay>
        <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
        <a:MagOperation>ProcessEMVSRED</a:MagOperation>
        <a:MagStatus>1000</a:MagStatus>
        <a:MagTranID>e870bf77-c926-4fd2-9194-
0023210bcec9</a:MagTranID>
        <a:MagnePrintScore i:nil="true"/>
        <a:PANLast4>3455</a:PANLast4>
        <a:Processor>Rapid Connect v3 -
Production</a:Processor>
        <a:ReferenceAuthCode i:nil="true"/>
        <a:ReferenceTransactionID i:nil="true"/>

<a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>

<a:TransactionID>387344608531164Z6DL</a:TransactionID>
        <a:TransactionInputDetailXML i:nil="true"/>

<a:TransactionMessage>APPROVAL</a:TransactionMessage>
        <a:TransactionStatus>000</a:TransactionStatus>
        <a:TransactionType>SALE</a:TransactionType>
        <a:TransactionUTCTimestamp>2020-07-
10T16:54:13.783</a:TransactionUTCTimestamp>
        <a:ZIP i:nil="true"/>
    </a:TransactionDetail>
    <a:TransactionDetail>
        <a:AVSResult i:nil="true"/>
        <a:Amount>58.2700</a:Amount>
        <a:AuthCode>463030</a:AuthCode>
        <a:AuthorizedAmount>58.2700</a:AuthorizedAmount>
        <a:CVVResult i:nil="true"/>
        <a:CustomerTransactionID i:nil="true"/>
        <a:DeviceSN i:nil="true"/>
        <a:ID>146758</a:ID>
        <a:IsReplay>false</a:IsReplay>
        <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
        <a:MagOperation>ProcessEMVSRED</a:MagOperation>
        <a:MagStatus>1000</a:MagStatus>
        <a:MagTranID>95327554-3453-435d-ba79-
002b24a5a548</a:MagTranID>
        <a:MagnePrintScore i:nil="true"/>
        <a:PANLast4>1111</a:PANLast4>
        <a:Processor>Rapid Connect v3 -
Production</a:Processor>

```

```

        <a:ReferenceAuthCode i:nil="true"/>
        <a:ReferenceTransactionID i:nil="true"/>
<a:ResellerCanVoidRefund>>false</a:ResellerCanVoidRefund>
<a:TransactionID>3073646147052335CPN</a:TransactionID>
    <a:TransactionInputDetailXML i:nil="true"/>
<a:TransactionMessage>APPROVAL</a:TransactionMessage>
    <a:TransactionStatus>000</a:TransactionStatus>
    <a:TransactionType>SALE</a:TransactionType>
    <a:TransactionUTCTimestamp>2020-07-
30T17:04:30.46</a:TransactionUTCTimestamp>
    <a:ZIP i:nil="true"/>
</a:TransactionDetail>
<a:TransactionDetail>
    <a:AVSResult i:nil="true"/>
    <a:Amount i:nil="true"/>
    <a:AuthCode i:nil="true"/>
    <a:AuthorizedAmount i:nil="true"/>
    <a:CVVResult i:nil="true"/>
    <a:CustomerTransactionID i:nil="true"/>
    <a:DeviceSN i:nil="true"/>
    <a:ID>123102</a:ID>
    <a:IsReplay>>false</a:IsReplay>
    <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
    <a:MagOperation>ProcessEMVSRED</a:MagOperation>
    <a:MagStatus>1000</a:MagStatus>
    <a:MagTranID>12917bc0-1c25-4f6c-a6a3-
002ddbdf31dd</a:MagTranID>
    <a:MagnePrintScore i:nil="true"/>
    <a:PANLast4>5584</a:PANLast4>
    <a:Processor>Token</a:Processor>
    <a:ReferenceAuthCode i:nil="true"/>
    <a:ReferenceTransactionID i:nil="true"/>
<a:ResellerCanVoidRefund>>false</a:ResellerCanVoidRefund>
    <a:TransactionID>d818dbcc-f268-4ca8-a2d2-
8b68323d339a</a:TransactionID>
    <a:TransactionInputDetailXML i:nil="true"/>
    <a:TransactionMessage>000</a:TransactionMessage>
    <a:TransactionStatus>000</a:TransactionStatus>
    <a:TransactionType>TOKEN</a:TransactionType>
    <a:TransactionUTCTimestamp>2020-07-
04T23:24:51.35</a:TransactionUTCTimestamp>
    <a:ZIP i:nil="true"/>
</a:TransactionDetail>
<a:TransactionDetail>
    <a:AVSResult i:nil="true"/>
    <a:Amount>4.0000</a:Amount>
    <a:AuthCode>023580</a:AuthCode>

```

```

        <a:AuthorizedAmount>4.0000</a:AuthorizedAmount>
        <a:CVVResult i:nil="true"/>
        <a:CustomerTransactionID i:nil="true"/>
        <a:DeviceSN i:nil="true"/>
        <a:ID>137657</a:ID>
        <a:IsReplay>false</a:IsReplay>
        <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
        <a:MagOperation>ProcessEMVSRED</a:MagOperation>
        <a:MagStatus>1000</a:MagStatus>
        <a:MagTranID>elf81237-7302-4db3-af09-
002e93a29537</a:MagTranID>
        <a:MagnePrintScore i:nil="true"/>
        <a:PANLast4>0005</a:PANLast4>
        <a:Processor>Rapid Connect v3 -
Production</a:Processor>
        <a:ReferenceAuthCode i:nil="true"/>
        <a:ReferenceTransactionID i:nil="true"/>

<a:ResellerCanVoidRefund>false</a:ResellerCanVoidRefund>

<a:TransactionID>587357800269390B6Z8</a:TransactionID>
        <a:TransactionInputDetailXML i:nil="true"/>

<a:TransactionMessage>APPROVAL</a:TransactionMessage>
        <a:TransactionStatus>000</a:TransactionStatus>
        <a:TransactionType>SALE</a:TransactionType>
        <a:TransactionUTCTimestamp>2020-07-
23T22:13:47.113</a:TransactionUTCTimestamp>
        <a:ZIP i:nil="true"/>
    </a:TransactionDetail>
    <a:TransactionDetail>
        <a:AVSResult i:nil="true"/>
        <a:Amount i:nil="true"/>
        <a:AuthCode i:nil="true"/>
        <a:AuthorizedAmount i:nil="true"/>
        <a:CVVResult i:nil="true"/>
        <a:CustomerTransactionID i:nil="true"/>
        <a:DeviceSN i:nil="true"/>
        <a:ID>145959</a:ID>
        <a:IsReplay>false</a:IsReplay>
        <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
        <a:MagOperation>ProcessEMVSRED</a:MagOperation>
        <a:MagStatus>1000</a:MagStatus>
        <a:MagTranID>3d902de4-5aa9-40c2-bf94-
003148b46d71</a:MagTranID>
        <a:MagnePrintScore i:nil="true"/>
        <a:PANLast4>3455</a:PANLast4>
        <a:Processor>Token</a:Processor>
        <a:ReferenceAuthCode i:nil="true"/>

```

```

        <a:ReferenceTransactionID i:nil="true"/>
<a:ResellerCanVoidRefund>>false</a:ResellerCanVoidRefund>
        <a:TransactionID>ec7bb508-2941-4422-8afb-
10067e17ac12</a:TransactionID>
        <a:TransactionInputDetailXML i:nil="true"/>
        <a:TransactionMessage>000</a:TransactionMessage>
        <a:TransactionStatus>000</a:TransactionStatus>
        <a:TransactionType>TOKEN</a:TransactionType>
        <a:TransactionUTCTimestamp>2020-07-
30T00:09:27.55</a:TransactionUTCTimestamp>
        <a:ZIP i:nil="true"/>
    </a:TransactionDetail>
    <a:TransactionDetail>
        <a:AVSResult i:nil="true"/>
        <a:Amount i:nil="true"/>
        <a:AuthCode i:nil="true"/>
        <a:AuthorizedAmount i:nil="true"/>
        <a:CVVResult i:nil="true"/>
        <a:CustomerTransactionID i:nil="true"/>
        <a:DeviceSN i:nil="true"/>
        <a:ID>140338</a:ID>
        <a:IsReplay>>false</a:IsReplay>
        <a:MagMessage>Transaction Successfully
Processed</a:MagMessage>
        <a:MagOperation>ProcessEMVSRED</a:MagOperation>
        <a:MagStatus>1000</a:MagStatus>
        <a:MagTranID>7cab395c-de15-48cd-9a14-
0031e481d80e</a:MagTranID>
        <a:MagnePrintScore i:nil="true"/>
        <a:PANLast4>1111</a:PANLast4>
        <a:Processor>Token</a:Processor>
        <a:ReferenceAuthCode i:nil="true"/>
        <a:ReferenceTransactionID i:nil="true"/>

<a:ResellerCanVoidRefund>>false</a:ResellerCanVoidRefund>
        <a:TransactionID>ad7988c6-132b-466f-a962-
0dad57245288</a:TransactionID>
        <a:TransactionInputDetailXML i:nil="true"/>
        <a:TransactionMessage>000</a:TransactionMessage>
        <a:TransactionStatus>000</a:TransactionStatus>
        <a:TransactionType>TOKEN</a:TransactionType>
        <a:TransactionUTCTimestamp>2020-07-
27T18:16:34.853</a:TransactionUTCTimestamp>
        <a:ZIP i:nil="true"/>
    </a:TransactionDetail>
</a:TransactionDetails>
    <a:TransactionUTCTimestamp>2020-08-26
07:59:20Z</a:TransactionUTCTimestamp>
    </GetTransactionsByCustomerAndDateRangeResult>
</GetTransactionsByCustomerAndDateRangeResponse>
</s:Body>

```

```
</s:Envelope>
```

1.7 GetTransactionSummaryForCustomer

1.7.1 INPUT PROPERTIES

Property (* required)	Type	Description
AdditionalRequestData	Array of key/value	A group that contains custom request data required by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.
CustomerID *	Integer	Customer id value
CustomerShardByte *	integer	CustomerShardByte value
EndDateTime *	String	Valid End Date
ResellerID *	Integer	Reseller Id
StartDateTime *	String	Valid Start Date

Note: * = Required

1.7.2 OUTPUT PROPERTIES

Property	Type	Description
AdditionalResponseData	Array of key/value	A group that contains additional output data returned by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples.
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
AuthorizeCount	Integer	Authorize Count
AuthorizeTotal	Decimal	Authorize Total
CaptureCount	Integer	Capture Count
CaptureTotal	Decimal	Capture Total
EMVRejectCount	Integer	EMVReject Count
TransactionUTCTimestamp	String	Transaction timestamp from Magensa
EMVRejectTotal	Decimal	EMVReject Total
ForceCount	Integer	Force Count
ForceTotal	Decimal	Force Total
RefundCount	Integer	Refund Count
RefundTotal	Decimal	Refund Total
SalesCount	Integer	Sales Count
SalesTotal	Decimal	Sales Total
TokenCount	Integer	Token Count
TokenTotal	Decimal	Token Total
VoidCount	Integer	Void Count
VoidTotal	Decimal	Void Total
TransactionUTCTimestamp	String	Transaction timestamp from Magensa

GetTransactionSummaryForCustomer Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.Generic">
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionSummaryForCustomer>
      <!--Optional:-->
      <mpp:GetTransactionSummaryForCustomerRequest>
        <!--Optional:-->
        <mpp1:AdditionalRequestData>
          <!--Zero or more repetitions:-->
          <sys:KeyValuePairOfstringstring>
            <sys:key>?</sys:key>
            <sys:value>?</sys:value>
          </sys:KeyValuePairOfstringstring>
        </mpp1:AdditionalRequestData>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>password</mpp1:Password>
          <mpp1:Username>username</mpp1:Username>
        </mpp1:Authentication>
        <mpp1:CustomerID>CustomerId</mpp1:CustomerID>
        <mpp1:CustomerShardByte>42</mpp1:CustomerShardByte>
        <!--Optional:-->
        <mpp1:CustomerTransactionID>?</mpp1:CustomerTransactionID>
        <mpp1:EndDateTime>2020-04-09T23:59:59</mpp1:EndDateTime>
        <mpp1:ResellerID>10003</mpp1:ResellerID>
        <mpp1:StartDateTime>2020-01-
08T00:00:00</mpp1:StartDateTime>
      </mpp:GetTransactionSummaryForCustomerRequest>
    </mpp:GetTransactionSummaryForCustomer>
  </soapenv:Body>
</soapenv:Envelope>
```

GetTransactionSummaryForCustomer Response:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionSummaryForCustomerResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionSummaryForCustomerResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AdditionalResponseData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Ge
neric"/>
          <a:CustomerTransactionID?</a:CustomerTransactionID>
          <a:MagTranID>108bb007-c09a-478c-aa38-
d4247194934c</a:MagTranID>
          <a:TransactionSummary>
            <a:AuthorizeCount>0</a:AuthorizeCount>
            <a:AuthorizeTotal>0.0000</a:AuthorizeTotal>
            <a:CaptureCount>0</a:CaptureCount>
            <a:CaptureTotal>0.0000</a:CaptureTotal>
            <a:EMVRejectCount>0</a:EMVRejectCount>
            <a:EMVRejectTotal>0.0000</a:EMVRejectTotal>
            <a:ForceCount>0</a:ForceCount>
            <a:ForceTotal>0.0000</a:ForceTotal>
            <a:RefundCount>0</a:RefundCount>
            <a:RefundTotal>0.0000</a:RefundTotal>
            <a:SalesCount>0</a:SalesCount>
            <a:SalesTotal>0.0000</a:SalesTotal>
            <a:TokenCount>0</a:TokenCount>
            <a:TokenTotal>0.0000</a:TokenTotal>
            <a:VoidCount>0</a:VoidCount>
            <a:VoidTotal>0.0000</a:VoidTotal>
          </a:TransactionSummary>
          <a:TransactionUTCTimestamp>2020-08-26
08:19:06Z</a:TransactionUTCTimestamp>
        </GetTransactionSummaryForCustomerResult>
      </GetTransactionSummaryForCustomerResponse>
    </s:Body>
  </s:Envelope>
```

1.8 GetTransactionSummaryForCustomerListXML

1.8.1 INPUT PROPERTIES

Property (* required)	Type	Description
AdditionalRequestData	Array of key/value	A group that contains custom request data required by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.
EndTime * *	String	Valid End Date
ResellerID *	String	Reseller Id
StartTime * *	String	Valid Start Date
CustomerListXML *	String	Customer list

Note: * = Required

1.8.2 OUTPUT PROPERTIES

Property	Type	Description
AdditionalResponseData	Array of key/value	A group that contains additional output data returned by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples.
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
CustomerCode	String	Customer code for credential assigned by Magensa
CustomerID	Integer	Customer id value
CustomerShardByte	integer	CustomerShardByte value
AuthorizeCount	Integer	Authorize Count
AuthorizeTotal	Decimal	Authorize Total
CaptureCount	Integer	Capture Count
CaptureTotal	Decimal	Capture Total
EMVRejectCount	Integer	EMVReject Count
EMVRejectTotal	Decimal	EMVReject Total
ForceCount	Integer	Force Count
ForceTotal	Decimal	Force Total
RefundCount	Integer	Refund Count
RefundTotal	Decimal	Refund Total
SalesCount	Integer	Sales Count
SalesTotal	Decimal	Sales Total
TokenCount	Integer	Token Count
TokenTotal	Decimal	Token Total
VoidCount	Integer	Void Count
VoidTotal	Decimal	Void Total
TransactionUTCTimestamp	String	

GetTransactionSummaryForCustomerListXML Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.Generic">
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionSummaryForCustomerListXML>
      <mpp:GetTransactionSummaryForCustomerListXMLRequest>
        <mpp1:Authentication>
          <mpp1:CustomerCode>CustomerCode</mpp1:CustomerCode>
          <mpp1:Password>Password</mpp1:Password>
          <mpp1:Username>Username</mpp1:Username>
        </mpp1:Authentication>
        <mpp1:CustomerListXML><![CDATA[<Custs>
          <Cust ID="customerId" SB="226" />
        </Custs>]]></mpp1:CustomerListXML>
        <mpp1:EndDateTime>2019-02-13</mpp1:EndDateTime>
        <mpp1:ResellerID>1</mpp1:ResellerID>
        <mpp1:StartDateTime>2019-02-01</mpp1:StartDateTime>
      </mpp:GetTransactionSummaryForCustomerListXMLRequest>
    </mpp:GetTransactionSummaryForCustomerListXML>
  </soapenv:Body>
</soapenv:Envelope>
```

GetTransactionSummaryForCustomerListXML Response:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionSummaryForCustomerListXMLResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionSummaryForCustomerListXMLResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AdditionalResponseData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Ge
neric"/>
        <a:CustomerTransactionID i:nil="true"/>
        <a:CustomerTransactionSummaryList>
          <a:CustomerTransactionSummary>
            <a:CustomerCode i:nil="true"/>
            <a:CustomerID>customerId</a:CustomerID>
            <a:CustomerShardByte>226</a:CustomerShardByte>
            <a:TransactionSummary>
              <a:AuthorizeCount>0</a:AuthorizeCount>
              <a:AuthorizeTotal>0.0000</a:AuthorizeTotal>
              <a:CaptureCount>0</a:CaptureCount>
              <a:CaptureTotal>0.0000</a:CaptureTotal>
              <a:EMVRejectCount>0</a:EMVRejectCount>
              <a:EMVRejectTotal>0.0000</a:EMVRejectTotal>
              <a:ForceCount>0</a:ForceCount>
              <a:ForceTotal>0.0000</a:ForceTotal>
              <a:RefundCount>0</a:RefundCount>
              <a:RefundTotal>0.0000</a:RefundTotal>
              <a:SalesCount>7</a:SalesCount>
              <a:SalesTotal>50001.0500</a:SalesTotal>
              <a:TokenCount>1</a:TokenCount>
              <a:TokenTotal>0.1000</a:TokenTotal>
              <a:VoidCount>0</a:VoidCount>
              <a:VoidTotal>0.0000</a:VoidTotal>
            </a:TransactionSummary>
          </a:CustomerTransactionSummary>
        </a:CustomerTransactionSummaryList>
        <a:MagTranID>98bf4354-4419-46ef-8bdb-
171b5f0c64c0</a:MagTranID>
        <a:TransactionUTCTimestamp>2020-08-27
16:21:24Z</a:TransactionUTCTimestamp>
      </GetTransactionSummaryForCustomerListXMLResult>
    </GetTransactionSummaryForCustomerListXMLResponse>
  </s:Body>
</s:Envelope>
```

1.9 GetTransactionSummaryForReseller

1.9.1 INPUT PROPERTIES

Property (* required)	Type	Description
AdditionalRequestData	Array of key/value	A group that contains custom request data required by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.
EndTime *	String	Valid End Date
PageNumber *	Integer	
PageSize *	Integer	This is the size of the transaction details list to return after each request. Set PageSize to a value higher than 0 to retrieve a subset page of records. 0 returns all records matching the search criteria in decreasing order. A positive value returns a page of records matching the search criteria in decreasing order. A negative value returns a page of records matching the search criteria in increasing order
ResellerID *	String	Reseller Id
SortBy *	Integer	SortBy input value range 21 - 43
StartTime *	String	Valid Start Date

Note: * = Required

1.9.2 OUTPUT PROPERTIES

Property	Type	Description
AdditionalResponseData	Array of key/value	A group that contains additional output data returned by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples.
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
MaxPageSize	String	Max Page size
TotalRowCount	String	TotalRowCount value
CustomerCode	String	Customer code value
CustomerID	Integer	Customer Id value
CustomerShardByte	String	CustomerShardByte value
AuthorizeCount	Integer	Authorize Count
AuthorizeTotal	Decimal	Authorize Total
CaptureCount	Integer	Capture Count
CaptureTotal	Decimal	Capture Total
EMVRejectCount	Integer	EMV Reject Count
EMVRejectTotal	Decimal	EMV Reject Total
ForceCount	Integer	Force Count
ForceTotal	Decimal	Force Total
RefundCount	Integer	Refund Count
RefundTotal	Decimal	Refund Total
SalesCount	Integer	Sales Count
SalesTotal	Decimal	Sales Total
TokenCount	Integer	Token Count
TokenTotal	Decimal	Token Total
VoidCount	Integer	Void Count
VoidTotal	Decimal	Void Total
TransactionUTCTimestamp	String	Transaction timestamp from Magensa

GetTransactionSummaryForReseller Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.Generic" xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionSummaryForReseller
xmlns="http://www.magensa.net/MPPGv2Portal/"
      <!--Optional:-->
      <mpp:GetTransactionSummaryForResellerRequest
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <!--Optional:-->
        <mpp1:AdditionalRequestData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Generic"><!--Zero or more repetitions:-->
          <sys:KeyValuePairOfstringstring>
            <sys:key>?</sys:key>
            <sys:value>?</sys:value>
          </sys:KeyValuePairOfstringstring>
        </mpp1:AdditionalRequestData>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>password</mpp1:Password>
          <mpp1:Username>username</mpp1:Username>
        </mpp1:Authentication>
        <!--Optional:-->
        <mpp1:CustomerTransactionID i:nil="true"/>
        <mpp1:EndTime>2020-04-09T23:59:59</mpp1:EndTime>
        <!--Optional:-->
        <mpp1:PageNumber>1</mpp1:PageNumber>
        <!--Optional:-->
        <mpp1:PageSize>5</mpp1:PageSize>
        <mpp1:ResellerID>ResellerId</mpp1:ResellerID>
        <!--Optional:-->
        <mpp1:SortBy>-6</mpp1:SortBy>
        <mpp1:StartDateTime>2020-01-08T00:00:00</mpp1:StartDateTime>
      </mpp:GetTransactionSummaryForResellerRequest>
    </mpp:GetTransactionSummaryForReseller>
  </soapenv:Body>
</soapenv:Envelope>
```

GetTransactionSummaryForReseller Response:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionSummaryForResellerResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionSummaryForResellerResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AdditionalResponseData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Ge
neric"/>
        <a:CustomerTransactionID i:nil="true"/>
        <a:CustomerTransactionSummaryList>
          <a:CustomerTransactionSummary>
            <a:CustomerCode i:nil="true"/>
            <a:CustomerID>CustomerId</a:CustomerID>
            <a:CustomerShardByte>197</a:CustomerShardByte>
            <a:TransactionSummary>
              <a:AuthorizeCount>10079</a:AuthorizeCount>
              <a:AuthorizeTotal>328746.7700</a:AuthorizeTotal>
              <a:CaptureCount>9898</a:CaptureCount>
              <a:CaptureTotal>321794.3200</a:CaptureTotal>
              <a:EMVRejectCount>0</a:EMVRejectCount>
              <a:EMVRejectTotal>0.0000</a:EMVRejectTotal>
              <a:ForceCount>0</a:ForceCount>
              <a:ForceTotal>0.0000</a:ForceTotal>
              <a:RefundCount>14</a:RefundCount>
              <a:RefundTotal>273.4100</a:RefundTotal>
              <a:SalesCount>9</a:SalesCount>
<a:SalesTotal>8.1200</a:SalesTotal>
              <a:TokenCount>10095</a:TokenCount>
              <a:TokenTotal>9.4500</a:TokenTotal>
              <a:VoidCount>66</a:VoidCount>
              <a:VoidTotal>3447.6700</a:VoidTotal>
            </a:TransactionSummary>
          </a:CustomerTransactionSummary>
          <a:CustomerTransactionSummary>
            <a:CustomerCode i:nil="true"/>
            <a:CustomerID>CustomerId</a:CustomerID>
<a:CustomerShardByte>154</a:CustomerShardByte>
            <a:TransactionSummary>
<a:AuthorizeCount>10624</a:AuthorizeCount>
              <a:AuthorizeTotal>276621.4000</a:AuthorizeTotal>
              <a:CaptureCount>10261</a:CaptureCount>
              <a:CaptureTotal>255398.3000</a:CaptureTotal>
              <a:EMVRejectCount>0</a:EMVRejectCount>
              <a:EMVRejectTotal>0.0000</a:EMVRejectTotal>
              <a:ForceCount>0</a:ForceCount>
              <a:ForceTotal>0.0000</a:ForceTotal>
              <a:RefundCount>44</a:RefundCount>
              <a:RefundTotal>48.2500</a:RefundTotal>
```

```
        <a:SalesCount>4</a:SalesCount>
        <a:SalesTotal>2.3400</a:SalesTotal>
        <a:TokenCount>10623</a:TokenCount>
        <a:TokenTotal>0.1000</a:TokenTotal>
        <a:VoidCount>70</a:VoidCount>
        <a:VoidTotal>567.3900</a:VoidTotal>
      </a:TransactionSummary>
    </a:CustomerTransactionSummary>
  </a:CustomerTransactionSummaryList>
  <a:MagTranID>136aa9d8-39e4-4e69-9cf2-
15db5b1099ab</a:MagTranID>
  <a:MaxPageSize>1</a:MaxPageSize>
  <a:TotalRowCount>2</a:TotalRowCount>
  <a:TransactionUTCTimestamp>2020-08-26
06:34:55Z</a:TransactionUTCTimestamp>
</GetTransactionSummaryForResellerResult>
</GetTransactionSummaryForResellerResponse>
</s:Body>
</s:Envelope>
```

1.10 GetTransactionTypes

1.10.1 INPUT PROPERTIES

Property (* required)	Type	Description
AdditionalRequestData	Array of key/value	A group that contains custom request data required by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples
CustomerCode *	String	Customer code for credential assigned by Magensa
Password *	String	Password for credential assigned by Magensa
Username *	String	Username for credential assigned by Magensa
CustomerTransactionID	String	Client-assigned transaction ID for easy cross-reference.

Note: * = Required

1.10.2 OUTPUT PROPERTIES

Property	Type	Description
AdditionalResponseData	Array of key/value	A group that contains additional output data returned by the target web service. Elements are expressed as Key/Value pairs grouped under <KeyValuePairOfstringstring>. See examples.
CustomerTransactionID	String	Client-assigned transaction ID from input
MagTranID	String	Magensa Transaction ID (GUID)
TransactionTypes	List of Strings	List of all Transaction Type values
TransactionUTCTimestamp	String	Transaction timestamp from Magensa

GetTransactionTypes Request:

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:mpp="http://www.magensa.net/MPPGv2Portal/"
xmlns:mpp1="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.Generic">
  <soapenv:Header/>
  <soapenv:Body>
    <mpp:GetTransactionTypes>
      <!--Optional:-->
      <mpp:GetTransactionTypesRequest>
        <!--Optional:-->
        <mpp1:AdditionalRequestData>
          <!--Zero or more repetitions:-->
          <sys:KeyValuePairOfstringstring>
            <sys:key>?</sys:key>
            <sys:value>?</sys:value>
          </sys:KeyValuePairOfstringstring>
        </mpp1:AdditionalRequestData>
        <mpp1:Authentication>
          <mpp1:CustomerCode>customercode</mpp1:CustomerCode>
          <mpp1:Password>password</mpp1:Password>
          <mpp1:Username>username</mpp1:Username>
        </mpp1:Authentication>
        <!--Optional:-->
        <mpp1:CustomerTransactionID>?</mpp1:CustomerTransactionID>
      </mpp:GetTransactionTypesRequest>
    </mpp:GetTransactionTypes>
  </soapenv:Body>
</soapenv:Envelope>
```

GetTransactionTypes Response:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetTransactionTypesResponse
xmlns="http://www.magensa.net/MPPGv2Portal/">
      <GetTransactionTypesResult
xmlns:a="http://schemas.datacontract.org/2004/07/MPPGv2PortalWS.Core"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:AdditionalResponseData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Ge
neric"/>
          <a:CustomerTransactionID?</a:CustomerTransactionID>
          <a:MagTranID>b5e99270-7c89-47fd-8ae9-
f7bf53eb12ba</a:MagTranID>
          <a:TransactionTypes
xmlns:b="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
            <b:string>SALE</b:string>
            <b:string>AUTHORIZE</b:string>
            <b:string>CAPTURE</b:string>
            <b:string>VOID</b:string>
            <b:string>REFUND</b:string>
            <b:string>FORCE</b:string>
            <b:string>EMV_REJECT</b:string>
            <b:string>TOKEN</b:string>
            <b:string>REPORT</b:string>
          </a:TransactionTypes>
          <a:TransactionUTCTimestamp>2020-08-26
09:40:07Z</a:TransactionUTCTimestamp>
        </GetTransactionTypesResult>
      </GetTransactionTypesResponse>
    </s:Body>
  </s:Envelope>
```

2 Fault Codes and Reasons

Fault Code	Fault Reason
603	Customer code is required
604	Username is required
605	Password is required
620	MagTranID is invalid
660	SignatureAsBase64String is invalid
661	Latitude is invalid
662	Longitude is invalid
663	StartDateTime is invalid
664	EndDateTime is invalid
665	StartDateTime/EndDateTime or range is invalid
666	AmountFrom/AmountTo or range is invalid
667	PageBookmarkTransactionID is invalid
701	Access Denied
5000	Unknown Error (No match found from the search criteria) (No receipt found)

Appendix A Reserved