

# Magensa Web Services

**Remote Services For EMV**  
**RemoteServicesv2 EMVTag Operations Manual**

October 5, 2021

Document Number:  
D998200058-40

REGISTERED TO ISO 9001:2015

INFORMATION IN THIS PUBLICATION IS SUBJECT TO CHANGE WITHOUT NOTICE AND MAY CONTAIN TECHNICAL INACCURACIES OR GRAPHICAL DISCREPANCIES. CHANGES OR IMPROVEMENTS MADE TO THIS PRODUCT WILL BE UPDATED IN THE NEXT PUBLICATION RELEASE. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, FOR ANY PURPOSE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF MAGTEK, INC.

MagTek®, MagnePrint®, and MagneSafe® are registered trademarks of MagTek, Inc.

Magensa™ is a trademark of MagTek, Inc.

DynaPro™ and DynaPro Mini™, are trademarks of MagTek, Inc.

ExpressCard 2000™ is a trademark of MagTek, Inc.

IPAD® is a trademark of MagTek, Inc.

IntelliStripe® is a registered trademark of MagTek, Inc.

AAMVA™ is a trademark of AAMVA.

American Express® and EXPRESSPAY FROM AMERICAN EXPRESS® are registered trademarks of American Express Marketing & Development Corp.

D-PAYMENT APPLICATION SPECIFICATION® is a registered trademark to Discover Financial Services CORPORATION

MasterCard® is a registered trademark and PayPass™ and Tap & Go™ are trademarks of MasterCard International Incorporated.

Visa® and Visa payWave® are registered trademarks of Visa International Service Association.

MAS-CON® is a registered trademark of Pancon Corporation.

Molex® is a registered trademark and PicoBlade™ is a trademark of Molex, its affiliates, related companies, licensors, and/or joint venture partners

ANSI®, the ANSI logo, and numerous other identifiers containing "ANSI" are registered trademarks, service marks, and accreditation marks of the American National Standards Institute (ANSI).

ISO® is a registered trademark of the International Organization for Standardization.

UL™ and the UL logo are trademarks of UL LLC.

PCI Security Standards Council® is a registered trademark of the PCI Security Standards Council, LLC.

EMV® is a registered trademark in the U.S. and other countries and an unregistered trademark elsewhere.

The EMV trademark is owned by EMVCo, LLC. The Contactless Indicator mark, consisting of four graduating arcs, is a trademark owned by and used with permission of EMVCo, LLC.

The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by MagTek is under license.

Google Play™ store, Google Wallet™ payment service, and Android™ platform are trademarks of Google Inc.

Apple Pay®, iPhone®, iPod®, Mac®, and OS X® are registered trademarks of Apple Inc., registered in the U.S. and other countries. iPad™ is a trademark of Apple, Inc. App Store<sup>SM</sup> is a service mark of Apple Inc., registered in the U.S. and other countries. IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used by Apple Inc. under license.

Microsoft®, Windows®, and .NET® are registered trademarks of Microsoft Corporation.

All other system names and product names are the property of their respective owners.

**Table 0-1 - Revisions**

<b>Rev Number</b>	<b>Date</b>	<b>Notes</b>
10	March 16, 2015	Initial Release
11	April 9, 2015	Added Input Validation Errors
20	July 7, 2016	Added REST interface.
30	July 27, 2020	Added status codes and messages. General Updates.
40	Oct 06, 2021	Updated input properties EMVCommandType, DeviceType

## Purpose of the document

The purpose of this document is to provide a description of how to call operations of the Magensa Remote Services web service.

Information in this document is subject to change without notice. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, Without the express written permission of Magensa, LLC.

## Table of Contents

Purpose of the document .....	4
Table of Contents .....	5
1 Introduction .....	6
2 EMVTags Operations .....	6
2.1 GetEMVCommands .....	6
2.1.1 INPUT PROPERTIES .....	6
2.1.2 OUTPUT PROPERTIES .....	7
3 Status Codes and Messages .....	23

## 1 Introduction

The purpose of this document is to provide a description of how to call operations of the Magensa Remote Services web service.

## 2 EMVTags Operations

### 2.1 GetEMVCommands

A command used to parse TLV commands

#### 2.1.1 INPUT PROPERTIES

Property(*)	Value	Value Description
CustomerCode *	<string>	Customer code
Username *	<string>	The User Identification credential created and assigned by MagTek.
Password *	<string>	The password for the credential.
BillingLabel	<string>	Billing Label
CustomerTransactionID	<string>	Customer transaction ID
DeviceType	<string>	DeviceType value list are different depending on whether it is a CAPK call or EMV Tag call. For EMV CAPK call, it must be one of the two below: <ul style="list-style-type: none"> <li>• DynaPro</li> <li>• eDynamo</li> </ul> For EMV Tags call, it can be one of the four below: <ul style="list-style-type: none"> <li>• DynaPro a default</li> <li>• eDynamo</li> <li>• oDynamo</li> <li>• DynaWave</li> </ul> Notice: For EMV Tags call, DeviceType “DynaPro” is the default. It means if DeviceType is not “eDynamo”, “oDynamo”, or “DynaWave”, it will be treated as “DynaPro”.
EMVCommandType	<string>	EMVCommandType must be one of the two values below: <ul style="list-style-type: none"> <li>• EMVTag</li> <li>• CAPK</li> </ul>
KSN *	<string>	Key Serial Number of the reader
KeyName *	<string>	Key name.
SerialNumber *	<string>	Device serial number.
XMLString *	<string>	The EMV TLV commands in XML format. XML String must be Inserted as CDATA when sending a SOAP request. Example SOAP: <![CDATA[XML STRING]]> Example REST: "XML STRING"
AdditionalRequestData	<string>	A group that contains additional key/value pairs of data to be forwarded in the transaction

Note: \* = Required

**2.1.2 OUTPUT PROPERTIES**

Property	Value	Value Description
CustomerTransactionId	<string>	Customer transaction ID
MagTranId	<string>	Magensa assigned unique transaction ID in GUID form.
CommandType	int	Type of Command value
Description	<string>	Description for the command name
ExecutionTypeEnum	<string>	The Execution Type can be one of the following values: ALL, KSN, MUT
ID	int	Command ID.
Name	<string>	EMV command name.
Value	<string>	EMV TLV value
AdditionalOutputData	<string>	A group that contains additional output data returned by the target Web service. Elements are expressed as Key/Value pairs. See examples

## GetEMVCommands SOAP Request:

```

<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://www.magensa.net/RemoteServices/v2/"
xmlns:rem="http://schemas.datacontract.org/2004/07/RemoteServicesv2.Co
re"
xmlns:sys="http://schemas.datacontract.org/2004/07/System.Collections.
Generic">
<soapenv:Header/>
  <soapenv:Body>
    <v2:GetEMVCommands>
      <v2:request>
        <rem:Authentication>
          <rem:CustomerCode>customercode</rem:CustomerCode>
        <rem>Password>password</rem>Password>
        <rem:Username>username</rem:Username>
      </rem:Authentication>
      <rem:BillingLabel/>
      <rem:CustomerTransactionID/>
      <rem:AdditionalRequestData>
        <sys:KeyValuePairOfstringstring>
          <sys:key/>
          <sys:value/>
        </sys:KeyValuePairOfstringstring>
      </rem:AdditionalRequestData>
      <rem:DeviceType>eDynamo</rem:DeviceType>
      <rem:EMVCommandType>EMVTags</rem:EMVCommandType>
      <rem:KSN>9011400B487DBF000156</rem:KSN>
      <rem:KeyName>BDK9011400</rem:KeyName>
      <rem:SerialNumber>B487DBF022119AA</rem:SerialNumber>
      <rem:XMLString><![CDATA[<?xml version="1.0" encoding="UTF-
8"?>
<TAGconfig PaymentBrandGroupID="4" PaymentBrandGroupDescription="D-
PAS">
  <Slots>
    <SlotApplTag>
      <SlotNum>1</SlotNum>
      <ApplTags>
        <ApplTag>
          <!--Application DF Name-->
          <Tag>84</Tag>
          <TagLen>07</TagLen>
          <TagValue>A0000001523010</TagValue>
        </ApplTag>
        <ApplTag>
          <!--Acquirer ID-->
          <Tag>9F01</Tag>
          <TagLen>06</TagLen>
          <TagValue>000000000001</TagValue>
        </ApplTag>
      </ApplTags>
    </SlotApplTag>
  </Slots>
</TAGconfig>
</rem:XMLString>

```



```
<!--Application AID-->
<Tag>9F06</Tag>
<TagLen>07</TagLen>
<TagValue>A0000001523010</TagValue>
</ApplTag>
<ApplTag>
  <!--Application Version-->
  <Tag>9F09</Tag>
  <TagLen>02</TagLen>
  <TagValue>0001</TagValue>
</ApplTag>
<ApplTag>
  <!--Application Floor Limit-->
  <Tag>9F1B</Tag>
  <TagLen>04</TagLen>
  <TagValue>00 00 3A 98</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless Transaction Limit-->
  <Tag>DF00</Tag>
  <TagLen>06</TagLen>
  <TagValue>000000100000</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless CVM Limit-->
  <Tag>DF01</Tag>
  <TagLen>06</TagLen>
  <TagValue>000000005000</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless Floor Limit-->
  <Tag>DF02</Tag>
  <TagLen>06</TagLen>
  <TagValue>000000000000</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Default-->
  <Tag>DF8120</Tag>
  <TagLen>05</TagLen>
  <TagValue>1000002000</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Denial-->
  <Tag>DF8121</Tag>
  <TagLen>05</TagLen>
  <TagValue>0010000000</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Online-->
  <Tag>DF8122</Tag>
  <TagLen>05</TagLen>
  <TagValue>30E09CF800</TagValue>
```

```
</ApplTag>
<ApplTag>
  <!--ASI (Application Select Indicator)-->
  <Tag>DFDF23</Tag>
  <TagLen>01</TagLen>
  <TagValue>01</TagValue>
</ApplTag>
</ApplTags>
</SlotApplTag>
<SlotApplTag>
  <SlotNum>2</SlotNum>
  <ApplTags>
    <ApplTag>
      <!--Application DF Name-->
      <Tag>84</Tag>
      <TagLen>07</TagLen>
      <TagValue>A0000003241010</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Acquirer ID-->
      <Tag>9F01</Tag>
      <TagLen>06</TagLen>
      <TagValue>000000000001</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Application AID-->
      <Tag>9F06</Tag>
      <TagLen>07</TagLen>
      <TagValue>A0000003241010</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Application Version-->
      <Tag>9F09</Tag>
      <TagLen>02</TagLen>
      <TagValue>00 01</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Application Floor Limit-->
      <Tag>9F1B</Tag>
      <TagLen>04</TagLen>
      <TagValue>00 00 3A 98</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Reader Contactless Transaction Limit-->
      <Tag>DF00</Tag>
      <TagLen>06</TagLen>
      <TagValue>000000100000</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Reader Contactless CVM Limit-->
      <Tag>DF01</Tag>
      <TagLen>06</TagLen>
```

```
<TagValue>000000005000</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless Floor Limit-->
  <Tag>DF02</Tag>
  <TagLen>06</TagLen>
  <TagValue>000000000000</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Default-->
  <Tag>DF8120</Tag>
  <TagLen>05</TagLen>
  <TagValue>1000002000</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Denial-->
  <Tag>DF8121</Tag>
  <TagLen>05</TagLen>
  <TagValue>0010000000</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Online-->
  <Tag>DF8122</Tag>
  <TagLen>05</TagLen>
  <TagValue>30E09CF800</TagValue>
</ApplTag>
<ApplTag>
  <!--ASI (Application Select Indicator)-->
  <Tag>DFDF23</Tag>
  <TagLen>01</TagLen>
  <TagValue>01</TagValue>
</ApplTag>
</ApplTags>
</SlotApplTag>
<SlotApplTag>
  <SlotNum>3</SlotNum>
  <ApplTags>
    <ApplTag>
      <!--Application DF Name-->
      <Tag>84</Tag>
      <TagLen>05</TagLen>
      <TagValue>00 00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Acquirer ID-->
      <Tag>9F01</Tag>
      <TagLen>06</TagLen>
      <TagValue>00 00 00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Application AID-->
      <Tag>9F06</Tag>
```

```
<TagLen>05</TagLen>
<TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Application Version-->
  <Tag>9F09</Tag>
  <TagLen>02</TagLen>
  <TagValue>00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Application Floor Limit-->
  <Tag>9F1B</Tag>
  <TagLen>04</TagLen>
  <TagValue>00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless Transaction Limit-->
  <Tag>DF00</Tag>
  <TagLen>06</TagLen>
  <TagValue>00 00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless CVM Limit-->
  <Tag>DF01</Tag>
  <TagLen>06</TagLen>
  <TagValue>00 00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless Floor Limit-->
  <Tag>DF02</Tag>
  <TagLen>06</TagLen>
  <TagValue>00 00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Default-->
  <Tag>DF8120</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Denial-->
  <Tag>DF8121</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Online-->
  <Tag>DF8122</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
```

```
<!--ASI (Application Select Indicator)-->
<Tag>DFDF23</Tag>
<TagLen>01</TagLen>
<TagValue>00</TagValue>
</ApplTag>
</ApplTags>
</SlotApplTag>
<SlotApplTag>
  <SlotNum>4</SlotNum>
  <ApplTags>
    <ApplTag>
      <!--Application DF Name-->
      <Tag>84</Tag>
      <TagLen>05</TagLen>
      <TagValue>00 00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Acquirer ID-->
      <Tag>9F01</Tag>
      <TagLen>06</TagLen>
      <TagValue>00 00 00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Application AID-->
      <Tag>9F06</Tag>
      <TagLen>05</TagLen>
      <TagValue>00 00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Application Version-->
      <Tag>9F09</Tag>
      <TagLen>02</TagLen>
      <TagValue>00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Application Floor Limit-->
      <Tag>9F1B</Tag>
      <TagLen>04</TagLen>
      <TagValue>00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Reader Contactless Transaction Limit-->
      <Tag>DF00</Tag>
      <TagLen>06</TagLen>
      <TagValue>00 00 00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Reader Contactless CVM Limit-->
      <Tag>DF01</Tag>
      <TagLen>06</TagLen>
      <TagValue>00 00 00 00 00 00</TagValue>
    </ApplTag>
  </ApplTags>
</SlotApplTag>
</ApplTags>
</ApplTag>
</ApplTags>
```

```
<ApplTag>
  <!--Reader Contactless Floor Limit-->
  <Tag>DF02</Tag>
  <TagLen>06</TagLen>
  <TagValue>00 00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Default-->
  <Tag>DF8120</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Denial-->
  <Tag>DF8121</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Online-->
  <Tag>DF8122</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--ASI (Application Select Indicator)-->
  <Tag>DFDF23</Tag>
  <TagLen>01</TagLen>
  <TagValue>00</TagValue>
</ApplTag>
</ApplTags>
</SlotApplTag>
<SlotApplTag>
  <SlotNum>5</SlotNum>
  <ApplTags>
    <ApplTag>
      <!--Application DF Name-->
      <Tag>84</Tag>
      <TagLen>05</TagLen>
      <TagValue>00 00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Acquirer ID-->
      <Tag>9F01</Tag>
      <TagLen>06</TagLen>
      <TagValue>00 00 00 00 00 00</TagValue>
    </ApplTag>
    <ApplTag>
      <!--Application AID-->
      <Tag>9F06</Tag>
      <TagLen>05</TagLen>
      <TagValue>00 00 00 00 00</TagValue>
    </ApplTag>
  </ApplTags>
</SlotApplTag>
</ApplTags>
</ApplTag>
```

```
</ApplTag>
<ApplTag>
  <!--Application Version-->
  <Tag>9F09</Tag>
  <TagLen>02</TagLen>
  <TagValue>00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Application Floor Limit-->
  <Tag>9F1B</Tag>
  <TagLen>04</TagLen>
  <TagValue>00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless Transaction Limit-->
  <Tag>DF00</Tag>
  <TagLen>06</TagLen>
  <TagValue>00 00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless CVM Limit-->
  <Tag>DF01</Tag>
  <TagLen>06</TagLen>
  <TagValue>00 00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Reader Contactless Floor Limit-->
  <Tag>DF02</Tag>
  <TagLen>06</TagLen>
  <TagValue>00 00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Default-->
  <Tag>DF8120</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Denial-->
  <Tag>DF8121</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--Terminal Action Code - Online-->
  <Tag>DF8122</Tag>
  <TagLen>05</TagLen>
  <TagValue>00 00 00 00 00</TagValue>
</ApplTag>
<ApplTag>
  <!--ASI (Application Select Indicator)-->
  <Tag>DFDF23</Tag>
```

```
        <TagLen>01</TagLen>
        <TagValue>00</TagValue>
    </ApplTag>
</ApplTags>
</SlotApplTag>
</Slots>
<ReaderTags>
  <ReaderTag>
    <!--Transaction Currency Code-->
    <Tag>5F2A</Tag>
    <TagLen>02</TagLen>
    <TagValue>08 40</TagValue>
  </ReaderTag>
  <ReaderTag>
    <!--Transaction Currency Exponent-->
    <Tag>5F36</Tag>
    <TagLen>01</TagLen>
    <TagValue>02</TagValue>
  </ReaderTag>
  <ReaderTag>
    <!--Merchant Category Code-->
    <Tag>9F15</Tag>
    <TagLen>02</TagLen>
    <TagValue>30 30</TagValue>
  </ReaderTag>
  <ReaderTag>
    <!--Merchant Identifier-->
    <Tag>9F16</Tag>
    <TagLen>07</TagLen>
    <TagValue>414C43494E454F</TagValue>
  </ReaderTag>
  <ReaderTag>
    <!--Terminal Country Code-->
    <Tag>9F1A</Tag>
    <TagLen>02</TagLen>
    <TagValue>08 40</TagValue>
  </ReaderTag>
  <ReaderTag>
    <!--Terminal ID-->
    <Tag>9F1C</Tag>
    <TagLen>08</TagLen>
    <TagValue>31 31 32 32 33 33 34 34</TagValue>
  </ReaderTag>
  <ReaderTag>
    <!--Terminal Capabilities-->
    <Tag>9F33</Tag>
    <TagLen>03</TagLen>
    <TagValue>E0 68 08</TagValue>
  </ReaderTag>
  <ReaderTag>
    <!--Terminal Type-->
    <Tag>9F35</Tag>
```



```
<TagLen>01</TagLen>
<TagValue>21</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Additional Terminal Capabilities-->
  <Tag>9F40</Tag>
  <TagLen>05</TagLen>
  <TagValue>E0 00 00 A0 01</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Merchant Name and Location-->
  <Tag>9F4E</Tag>
  <TagLen>0C</TagLen>
  <TagValue>41 4C 43 49 4E 45 4F 5F 54 45 53 54</TagValue>
</ReaderTag>
<ReaderTag>
  <!--D-PAS Terminal Transaction Qualifier (TTQ)-->
  <Tag>9F66</Tag>
  <TagLen>04</TagLen>
  <TagValue>B6 80 40 00</TagValue>
</ReaderTag>
<ReaderTag>
  <!--DS ODS Info-->
  <Tag>DF15</Tag>
  <TagLen>02</TagLen>
  <TagValue>00 01</TagValue>
</ReaderTag>
<ReaderTag>
  <!--DS ODS Term-->
  <Tag>DF70</Tag>
  <TagLen>01</TagLen>
  <TagValue>51</TagValue>
</ReaderTag>
<ReaderTag>
  <!--DS AC Type-->
  <Tag>DF8130</Tag>
  <TagLen>01</TagLen>
  <TagValue>0A</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Authorization Request Tags EMV (ARQC)-->
  <Tag>DFDF02</Tag>
  <TagLen>43</TagLen>
<TagValue>5A82959C5F205F245F1A5F349F029F039F109F1A9F249F269F279F369F37
9F399F5D9F669F6E9F7CDFDF6B579F339A845F2A9F0699DFDF419F34DFDF4C9F099F35
9F41</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Authorization Response Tags-->
  <Tag>DFDF06</Tag>
  <TagLen>02</TagLen>
```

```
<TagValue>8A 91</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Authorization Request Tags MSD (ARQC)-->
  <Tag>DFDF08</Tag>
  <TagLen>28</TagLen>
<TagValue>509F12849F119F6D569F6BDF812ADF812BDFDF6BF599DFDF41DFDF529F6E
9F539F399F1EDDFDF4C57</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Clearing Tags MSD-->
  <Tag>DFDF0D</Tag>
  <TagLen>06</TagLen>
  <TagValue>DFDF4BDFDF4C</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Exception List-->
  <Tag>DFDF0E</Tag>
  <TagLen>10</TagLen>
  <TagValue>700E5A08*****11255F340101</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Socket Timeout-->
  <Tag>DFDF14</Tag>
  <TagLen>04</TagLen>
  <TagValue>00007530</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Socket Retries-->
  <Tag>DFDF15</Tag>
  <TagLen>04</TagLen>
  <TagValue>00000003</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Batch Data Tags-->
  <Tag>DFDF17</Tag>
  <TagLen>3C</TagLen>
<TagValue>828E5F245F259F069F079F0D9F0E9F0F9F109F269F279F36959B9C9F339F
349F379F40DFDF70DFDF71DFDF729F5B5A9F029F039F1A578A9F109F1250</TagValue
>
</ReaderTag>
<ReaderTag>
  <!--Default Terminal Language-->
  <Tag>DFDF19</Tag>
  <TagLen>02</TagLen>
  <TagValue>65 6E</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Reader Application Database Label-->
  <Tag>DFDF26</Tag>
```

```
<TagLen>0E</TagLen>
<TagValue>446973636F766572312E30204442</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Terminal Capabilities for Purchase Transaction-->
  <Tag>DFDF5B</Tag>
  <TagLen>01</TagLen>
  <TagValue>0C</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Terminal Capabilities for Cashback Transaction-->
  <Tag>DFDF5C</Tag>
  <TagLen>01</TagLen>
  <TagValue>03</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Terminal Capabilities for Cash Advance Transaction-->
  <Tag>DFDF5D</Tag>
  <TagLen>01</TagLen>
  <TagValue>20</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Terminal Capabilities for Refund Transaction-->
  <Tag>DFDF5E</Tag>
  <TagLen>01</TagLen>
  <TagValue>0C</TagValue>
</ReaderTag>
<ReaderTag>
  <!--Terminal Features-->
  <Tag>DFDF5F</Tag>
  <TagLen>02</TagLen>
  <TagValue>FC00</TagValue>
</ReaderTag>
</ReaderTags>
</TAGconfig>]]</rem:XMLString>
  </v2:request>
</v2:GetEMVCommands>
</soapenv:Body>
</soapenv:Envelope>
```

GetCertLoadCommand Response:

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <GetEMVCommandsResponse
xmlns="http://www.magensa.net/RemoteServices/v2/">
      <GetEMVCommandsResult
xmlns:a="http://schemas.datacontract.org/2004/07/RemoteServicesv2.Core
" xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:CustomerTransactionId/>
        <a:MagTranId>1c9ce573-d409-42d4-a845-
128b57971ecd</a:MagTranId>
        <a:AdditionalOutputData i:nil="true"
xmlns:b="http://schemas.datacontract.org/2004/07/System.Collections.Ge
neric"/>
          <a:Commands>
            <a:Command>
              <a:CommandType>1</a:CommandType>
              <a:Description>Reader Tag Command</a:Description>
              <a:ExecutionTypeEnum>EMV</a:ExecutionTypeEnum>
              <a:ID>1</a:ID>
              <a:Name>EMVTags</a:Name>
              <a:Value>03050193000101040B487DBF022119AA0000000000000000FA8201775F2A0
208405F3601029F150230309F1607414C43494E454F9F1A0208409F1C0831313232333
334349F3303E068089F3501219F4005E00000A0019F4E0C414C43494E454F5F5445535
49F6604B6804000DF15020001DF700151DF8130010ADDFDF02435A82959C5F205F245F1
A5F349F029F039F109F1A9F249F269F279F369F379F399F5D9F669F6E9F7CDFDF6B579
F339A845F2A9F0699DFDF419F34DFDF4C9F099F359F41DFDF06028A91DFDF0828509F1
2849F119F6D569F6BDF812ADF812BDFDF6BF599DFDF41DFDF529F6E9F539F399F1EDFD
F4C57DFDF0D06DFDF4BDFDF4CDFDF0E10700E5A08*****11255F340101DFDF
140400007530DFDF150400000003DFDF173C828E5F245F259F069F079F0D9F0E9F0F9F
109F269F279F36959B9C9F339F349F379F40DFDF70DFDF71DFDF729F5B5A9F029F039F
1A578A9F109F1250DFDF1902656EDFDF260E446973636F766572312E30204442DFDF5B
010CDFDF5C0103DFDF5D0120DFDF5E010CDFDF5F02FC005689B27F</a:Value>
            </a:Command>
            <a:Command>
              <a:CommandType>1</a:CommandType>
              <a:Description>Application Tag Command for Slot
1</a:Description>
              <a:ExecutionTypeEnum>EMV</a:ExecutionTypeEnum>
              <a:ID>2</a:ID>
              <a:Name>EMVTags</a:Name>
              <a:Value>0307007F000101040B487DBF022119AA0000000000000000FA8200638407A
00000015230109F01060000000000019F0607A00000015230109F090200019F1B04000
03A98DF0006000000100000DF0106000000005000DF020600000000000DF812005100
0002000DF812105001000000DF81220530E09CF800DFDF2301013667EE84</a:Value
>
            </a:Command>
            <a:Command>
              <a:CommandType>1</a:CommandType>

```

```

                <a:Description>Application Tag Command for Slot
2</a:Description>
                <a:ExecutionTypeEnum>EMV</a:ExecutionTypeEnum>
                <a:ID>3</a:ID>
                <a:Name>EMVTags</a:Name>
<a:Value>0307007F000201040B487DBF022119AA0000000000000000FA8200638407A
00000032410109F01060000000000019F0607A00000032410109F090200019F1B04000
03A98DF0006000000100000DF0106000000005000DF020600000000000DF812005100
0002000DF812105001000000DF81220530E09CF800DFDF2301018BE10A33</a:Value
>
                </a:Command>
                <a:Command>
                <a:CommandType>1</a:CommandType>
                <a:Description>Application Tag Command for Slot
3</a:Description>
                <a:ExecutionTypeEnum>EMV</a:ExecutionTypeEnum>
                <a:ID>4</a:ID>
                <a:Name>EMVTags</a:Name>
<a:Value>0307007B000301040B487DBF022119AA0000000000000000FA82005F84050
000000009F01060000000000009F060500000000009F090200009F1B040000000DF0
006000000000000DF010600000000000DF020600000000000DF812005000000000D
F812105000000000DF812205000000000DFDF230100126BE204</a:Value>
                </a:Command>
                <a:Command>
                <a:CommandType>1</a:CommandType>
                <a:Description>Application Tag Command for Slot
4</a:Description>
                <a:ExecutionTypeEnum>EMV</a:ExecutionTypeEnum>
                <a:ID>5</a:ID>
                <a:Name>EMVTags</a:Name>
<a:Value>0307007B000401040B487DBF022119AA0000000000000000FA82005F84050
000000009F01060000000000009F060500000000009F090200009F1B040000000DF0
006000000000000DF010600000000000DF020600000000000DF812005000000000D
F812105000000000DF812205000000000DFDF230100126BE204</a:Value>
                </a:Command>
                <a:Command>
                <a:CommandType>1</a:CommandType>
                <a:Description>Application Tag Command for Slot
5</a:Description>
                <a:ExecutionTypeEnum>EMV</a:ExecutionTypeEnum>
                <a:ID>6</a:ID>
                <a:Name>EMVTags</a:Name>
<a:Value>0307007B000501040B487DBF022119AA0000000000000000FA82005F84050
000000009F01060000000000009F060500000000009F090200009F1B040000000DF0
006000000000000DF010600000000000DF020600000000000DF812005000000000D
F812105000000000DF812205000000000DFDF230100126BE204</a:Value>
                </a:Command>
</a:Commands>

```

```
<a:PostloadCommands>
  <a:Command>
    <a:CommandType>1</a:CommandType>
    <a:Description>Postload Command</a:Description>
    <a:ExecutionTypeEnum>EMV</a:ExecutionTypeEnum>
    <a:ID>0</a:ID>
    <a:Name>EMVTags</a:Name>
    <a:Value>030E000104</a:Value>
  </a:Command>
</a:PostloadCommands>
<a:PreloadCommands/>
</GetEMVCommandsResult>
</GetEMVCommandsResponse>
</s:Body>
</s:Envelope>
```

### 3 Status Codes and Messages

Status Codes and Messages returned by Magensa for PPSCRAv2 Operations.

#### Internal errors

Property	StatusMsg	Notes
5000	Unknown Error	

#### Input Validation Errors

Property	StatusMsg	Notes
602	KSN is required	
603	CustomerCode is required	
604	Username is required	
605	Password is required	
607	KSN is not valid	Either the value was not HEX, or the value was too long.
609	KeyName is required	
615	CustomerTransactionID is not valid	Occurs if the length is more than 256 characters.
616	BillingLabel is not valid	Occurs if the length is more than 64 characters.
621	XMLString is required	
622	SerialNumber is required	
623	SerialNumber is not valid	Value was not HEX or too long.
701	Access Denied	Returned when user cannot be authenticated or authorized for any reason such as invalid username, Invalid password, or account locked.
702	Device Not Allowed	
1010	User has been locked out	
1011	User is inactive	
1012	User is blocked	
1013	User credential failed authentication	