



# medi|switch

## Web Service V2 SwitchOn Examples

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# 1 Introduction

This document has been produced as a guide for Software vendors and developers of healthcare practice management application software (PMA) to ensure an effective implementation of the MediSwitch Web Services functionality into their products.

The purpose of this document therefore is to provide examples of how a WebService message would look that is to be transported via WebService to MediSwitch. This will ensure for optimized business processes and the efficient switching of data from the Healthcare Service Providers practice.

## 2 WebService Function Calls

### 2.1 Echo Function Call

#### 2.1.1 echoOperation

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <v2:echoOperation/>
  </soapenv:Body>
</soapenv:Envelope>
```

#### 2.1.2 echoOperationResponse

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
    <v2:echoOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
      <response>Mediswitch Gateway OK</response>
    </v2:echoOperationResponse>
  </env:Body>
</env:Envelope>
```

### 2.2 Submit Function Call

#### 2.2.1 SwitchOn MSV

##### 2.2.1.1 Patient MSV

##### 2.2.1.1.1 submitOperation

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <v2:submitOperation>
      <user>TEST9999</user>
      <passwd>test9999</passwd>
      <package>SWITCHON</package>
      <destination>DHEA0000</destination>
      <txType>301</txType>
      <mode>realtime</mode>
      <txVersion>119</txVersion>
      <userRef>00001</userRef>
      <payload>H|00001|119|SOFTWARE NAME:V1.00|
S|201504170701|0294608|DR DEMO|DATASET00001|
M|1|||||1234567|||CMPL0000|
P||||19740325||||
E|00001|1|</payload>
    </v2:submitOperation>
  </soapenv:Body>
```

```
</soapenv:Envelope>
```

### 2.2.1.1.2 submitOperationResponse

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
    <v2:submitOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
      <response xmlns:ns2="http://gateway.switchonline.co.za/MediswitchGateway/v1">
        <status>OK</status>
        <swref>0-c-9ad9d05800</swref>
        <retry>0</retry>
        <responsePayload>H|00001|
S|201504171509|0294608|DR DEMO|DATASET00001|
M|1|||1234567|||CAPE MEDICAL PLAN|||CMPL0000||
P|0|DEMONSTRATION||RUPERT|19720221||M|20110101||Active (A)|
RV|02|20130417|FOR 20150417: NO DISCLAIMER|Claim Validation Fields: MEMBERSHIP NUMBER||02|
E|00001|1|</responsePayload>
      </response>
    </v2:submitOperationResponse>
  </env:Body>
</env:Envelope>
```

### 2.2.1.2 Extended MSV

#### 2.2.1.2.1 submitOperation

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <v2:submitOperation>
      <user>TEST9999</user>
      <passwd>test9999</passwd>
      <package>SWITCHON</package>
      <destination>DHEA0000</destination>
      <txType>301</txType>
      <mode>realtime</mode>
      <txVersion>119</txVersion>
      <userRef>00001</userRef>
      <payload>H|00001|119|SOFTWARE NAME:V1.00|
S|201504170701|0294608|DR DEMO|DATASET00001|
M|1|||1234567|||CMPL0000||
E|00001|1|</payload>
    </v2:submitOperation>
  </soapenv:Body>
</soapenv:Envelope>
```

#### 2.2.1.2.2 submitOperationResponse

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
    <v2:submitOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
      <response xmlns:ns2="http://gateway.switchonline.co.za/MediswitchGateway/v1">
        <status>OK</status>
        <swref>0-c-9ad9980800</swref>
        <retry>0</retry>
        <responsePayload>H|00001|
S|201504171438|0294608|DR DEMO|DATASET00001|
M|1|||1234567|||CAPE MEDICAL PLAN|||CMPL0000||
P|0|DEMONSTRATION||RUPERT|19720221||M|20110101||Active (A)|
P|2|DEMONSTRATION||MAX|20000221||M|20110101||Active (A)|
P|1|DEMONSTRATION||ANNA|19740325||F|20110101||Active (A)|
RV|02||FOR 20150417: NO DISCLAIMER|Claim Validation Fields: MEMBERSHIP NUMBER||02|
E|00001|1|</responsePayload>
      </response>
    </v2:submitOperationResponse>
  </env:Body>
</env:Envelope>
```

## 2.2.2 SwitchOn SwitchClaim

### 2.2.2.1 Real-time

#### 2.2.2.1.1 submitOperation

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <v2:submitOperation>
      <user>TEST9999</user>
      <passwd>test9999</passwd>
      <package>SWITCHON</package>
      <destination>STES0005</destination>
      <txType>302</txType>
      <mode>realtime</mode>
      <txVersion>118</txVersion>
      <userRef>00001</userRef>
      <payload>H|00001|118|DEMO|
S|201504170700|0294608|DR DEMO|DATASET00001|0123456789|
M|7807085010087|MR|N|SURNAME|NAME|1234567|N|ACC1324567|PO BOX
11111|MIDRAND|GAUTENG|0046||TEST06|ACUTE|TEST SCHEME|||STES0005|
P|00|SURNAME|N|NAME|19780708|M|01|7807085146083|12345|IRE24140|01|||7010370701|
DR|0123456|DR REFERRING|05|MP0123456|01||N||
T|1|20150416|20150416|||01234567890123465789|02|100|06|0191|01|||01|CONSULTATION|N||01|11|
DR|1234567|DR ATTENDING|01|MP1324567|01|99999|N||
D|01|01||10||01|
Z|45340|45340|0|0|0|0|0|0|0|45340|0|0|0|0|0|45340|0|
F|45340|45340|45340|0|||45340||
E|00001|1|45340|</payload>
    </v2:submitOperation>
  </soapenv:Body>
</soapenv:Envelope>
```

#### 2.2.2.1.2 submitOperationResponse

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
    <v2:submitOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
      <response xmlns:ns2="http://gateway.switchonline.co.za/MediswitchGateway/v1">
        <status>OK</status>
        <swref>0-c-9ada293800</swref>
        <retry>0</retry>
        <responsePayload>H|1|
S|201504171556|0294608|Dr F Pieterse and Associate Inc|DATASET00001|000|
M|SURNAME|NAME|1234567|ACC1324567|||STES0005|
P|00|SURNAME|#P N|NAME|19780708|7807085146083|12345|IRE24140|01|7010370701|03|04|02|
T|201504160000|201504160000|12345||01234567890123465789|54321|02|100|0191||CONSULTATION|01||04|02|
Z|45340|45340|0|0||0|0|0|45340|0|0|0|0|0|45340|0|
F|45340|45340|0|0|0|0|0|0|45340|0|
E|1|1|45340|</responsePayload>
      </response>
    </v2:submitOperationResponse>
  </env:Body>
</env:Envelope>
```

### 2.2.2.2 Delayed

#### 2.2.2.2.1 submitOperation

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <v2:submitOperation>
      <user>TEST9999</user>
      <passwd>test9999</passwd>
      <package>SWITCHON</package>
      <destination>STES0005</destination>
      <txType>302</txType>
```

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```

    <mode>delayed</mode>
    <txVersion>118</txVersion>
    <userRef>00001</userRef>
    <payload>H|00001|118|DEMO|
S|201504170700|0294608|DR DEMO|DATASET00001|0123456789|
M|7807085010087|MR|N|SURNAME|NAME|1234567|N|ACC1324567|PO BOX
11111|MIDRAND|GAUTENG|0046||TEST06|ACUTE|TEST SCHEME|||STES0005|
P|00|SURNAME|N|NAME|19780708|M|01|7807085146083|RE24140|01||7010370701|
DR|0123456|DR REFERRING|05|MP0123456|01||N||
T|1|20150416|20150416||01234567890123465789|02|100|06|0191|01||01|CONSULTATION|N||01|||||11|
DR|1234567|DR ATTENDING|01|MP1324567|01|99999|N||
D|01|01||10||01|
Z|45340|45340|0|0|0|0|0|0|45340|0|0|0|0|0|45340|0|
F|45340|45340|45340|0||||45340|
E|00001|1|45340|</payload>
    </v2:submitOperation>
  </soapenv:Body>
</soapenv:Envelope>

```

#### 2.2.2.2.2 submitOperationResponse

```

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
    <v2:submitOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
      <response xmlns:ns2="http://gateway.switchonline.co.za/MediswitchGateway/v1">
        <status>OK</status>
        <swref>0-c-9ada2d7000</swref>
        <retry>0</retry>
        <responsePayload>Batch received by Switch for deferred processing</responsePayload>
      </response>
    </v2:submitOperationResponse>
  </env:Body>
</env:Envelope>

```

### 2.3 Fetch Function Call

#### 2.3.1 Fetch All

##### 2.3.1.1 fetchOperation

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <v2:fetchOperation>
      <user>TEST9999</user>
      <passwd>test9999</passwd>
      <package>SWITCHON</package>
      <txType></txType>
      <swref></swref>
      <force>0</force>
    </v2:fetchOperation>
  </soapenv:Body>
</soapenv:Envelope>

```

##### 2.3.1.2 fetchOperationResponse (User Mailbox is Empty)

```

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
    <v2:fetchOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
      <response xmlns:ns2="http://gateway.switchonline.co.za/MediswitchGateway/v1">
        <status>OK</status>
        <feedbackType/>
        <feedbackVersion/>
        <moreFiles>0</moreFiles>
        <originalSwref/>
        <originalUserRef/>
        <originalDataSetId/>
        <fileName/>
        <fileDate/>
      </response>
    </v2:fetchOperationResponse>
  </env:Body>
</env:Envelope>

```

```
<responsePayload>NODATA</responsePayload>
</response>
</v2:fetchOperationResponse>
</env:Body>
</env:Envelope>
```

### 2.3.2 Fetch Switch Reference

This Function will return specific delayed responses and should only be executed once off to retrieve all relevant Switch Reference Responses.

### 2.3.2.1 *fetchOperation*

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <v2:fetchOperation>
      <user>TEST9999</user>
      <passwd>test9999</passwd>
      <package>SWITCHON</package>
      <txType></txType>
      <swref>0-c-9ada2d7000</swref>
      <force>0</force>
    </v2:fetchOperation>
  </soapenv:Body>
</soapenv:Envelope>
```

### 2.3.2.2 *fetchOperationResponse (MediSwitch Delayed Response)*

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">  
  <env:Header/>  
  <env:Body>  
    <v2:fetchOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">  
      <response xmlns:ns2="http://gateway.switchonline.co.za/MediswitchGateway/v1">  
        <status>OK</status>  
        <feedbackType>302</feedbackType>  
        <feedbackVersion>118</feedbackVersion>  
        <moreFiles>1</moreFiles>  
        <originalSwref>0-c-9ada2d7000</originalSwref>  
        <originalUserRef>00001</originalUserRef>  
        <originalDataSetId/>  
        <fileName>feedback.a</fileName>  
        <fileDate/>  
        <responsePayload>H|1|  
S|201504171608|0294608|Dr F Pieterse and Associate Inc|DATASET00001|000|  
M|SURNAME|NAME|1234567|ACC1324567|||STES0005||  
P|00|SURNAME|N|NAME|19780708|7807085146083|||IRE24140|01|7010370701|03|01|01|  
T|201504160000|201504160000|||01234567890123465789||02|100|0191||CONSULTATION|||01|01|  
Z|0|0|||||||O|||||||  
F|0|0|||||||  
E|1|1|0|</responsePayload>  
      </response>  
    </v2:fetchOperationResponse>  
  </env:Body>  
</env:Envelope>
```

### 2.3.2.3 *fetchOperationResponse (Scheme Delayed Response)*

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
    <v2:fetchOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
      <response xmlns:ns2="http://gateway.switchonline.co.za/MediswitchGateway/v1">
        <status>OK</status>
        <feedbackType>302</feedbackType>
        <feedbackVersion>118</feedbackVersion>
        <moreFiles>0</moreFiles>
        <originalSwref>0-c-9ada2d7000</originalSwref>
        <originalUserRef>00001</originalUserRef>
        <originalDataSetId/>
        <fileName>processed</fileName>
        <fileDate/>
      </response>
    </v2:fetchOperationResponse>
  </env:Body>
</env:Envelope>
```

```

    <responsePayload>H|1|
S|201504171608|0294608|Dr F Pieterse and Associate Inc|DATASET00001|000|
M|SURNAME|NAME|1234567|ACC1324567|STES0005|
P|00|SURNAME|N|NAME|19780708|7807085146083|12345|IRE24140|01|7010370701|03|02|02|
T|201504160000|201504160000|12345|01234567890123465789|54321|02|100|0191|CONSULTATION|01|02|02|
Z|0|0|0|0|0|0|0|45340|0|0|0|0|0|0|0|
F|0|0|0|0|0|0|0|0|0|
E|1|1|0|</responsePayload>
  </response>
</v2:fetchOperationResponse>
</env:Body>
</env:Envelope>

```

## 2.3.3 Fetch Destination Codes

### 2.3.3.1 fetchOperation

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
  <soapenv:Header/>
  <soapenv:Body>
    <v2:fetchOperation>
      <user>TEST9999</user>
      <passwd>test9999</passwd>
      <package>SWITCHON</package>
      <txType>509</txType>
      <swref></swref>
      <force>1</force>
    </v2:fetchOperation>
  </soapenv:Body>
</soapenv:Envelope>

```

### 2.3.3.2 fetchOperationResponse

```

<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
    <v2:fetchOperationResponse xmlns:v2="http://gateway.switchonline.co.za/MediswitchGateway/v2">
      <response xmlns:ns2="http://gateway.switchonline.co.za/MediswitchGateway/v1">
        <status>OK</status>
        <feedbackType>509</feedbackType>
        <feedbackVersion>119</feedbackVersion>
        <moreFiles>0</moreFiles>
        <originalSwref>0-0-0000000000</originalSwref>
        <originalUserRef>0000</originalUserRef>
        <originalDataSetId/>
        <fileName>destcode</fileName>
        <fileDate/>
        <responsePayload>H|201504140804|
DC|ABRO0001|290P|AFA
BROADREACH|||Medscheme|||||testing@mediswitch.co.za|15FCB36625737C13F9FBF15D92C55897||N|N|N|N|N|N|N|
MC|AFA001|AFA01|AFA|BROADREACH|AFA||
.
.
.
DC|YARO0001|028P|YARONA|||SAPS|||||testing@mediswitch.co.za|B340511F283EF2726A3CDC4E5D87C21C||N|N|N|N|N|
N|N|N|
MC|SAPS01|SAP04|GP Consults and Procedures|PT|SAPS YARONA|||
MC|SAPS02|SAP04|Specialist Consults and Procedures|PT|SAPS YARONA|||
MC|SAPS03|SAP04|GP Consults and Procedures|PD|SAPS YARONA|||
MC|SAPS04|SAP04|Specialist Consults and Procedures|PD|SAPS YARONA|||
E|201504140845|152|1137|</responsePayload>
      </response>
    </v2:fetchOperationResponse>
  </env:Body>
</env:Envelope>

```