

WEB SERVICES GME

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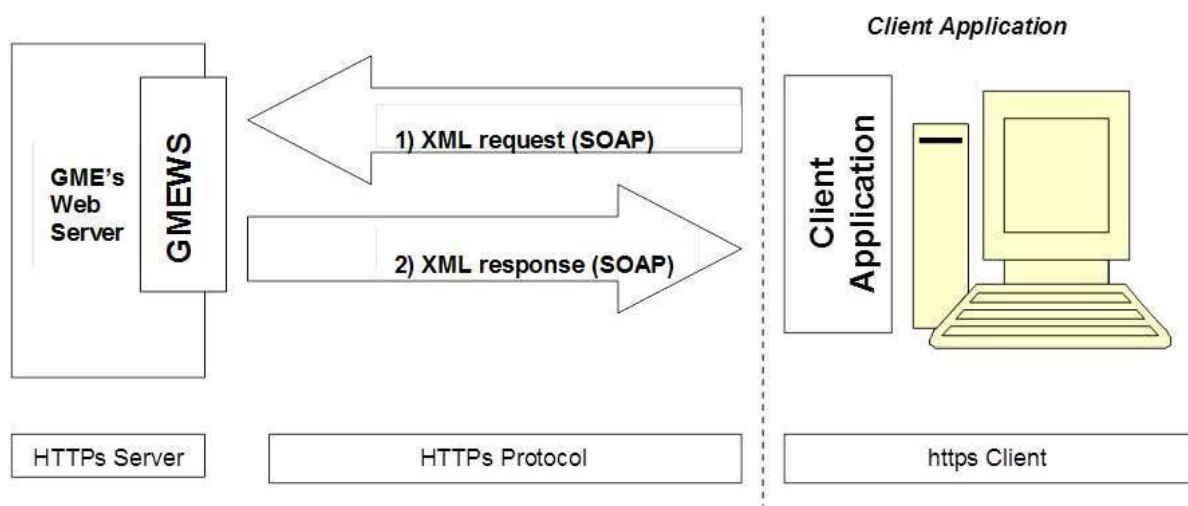
INTRODUCTION

PURPOSE

This document describes the operation and use of the GMEWS Web Service.

REFERENCE CONTEXT

The GMEWS is developed to provide external applications with a programming interface to communicate with the GME's system. The module implements a web-service type interface based on SOAP messages and https transport. The diagram in the figure below shows the operation of the GMEWS module.



A description file in WSDL format shows how to build XML requests to invoke the Web-Service- supported methods and how to read the related responses. Appendix A describes the WSDL of GMEWS.

The client application should invoke the Web-Service-supported methods by sending XML requests, which are structured as described in the WSDL.

The Web Server translates the received XML request into a call to the requested function and awaits its completion. After completion of the invoked method, the Web Server translates the result into an XML response and resends it to the client application.

By using the description file again, the client application can read the XML response and obtain the result of the transaction.

XML requests and responses are SOAP messages to be sent over an https connection. Thus, to interact with GMEWS, a client application should:

- establish an https connection with GME's site (hosting GMEWS), including SSL authentication (based on SSL client certificates);
- build up SOAP request messages and read the corresponding response messages, as described in the GMEWS WSDL.

CAdES format and hashing 256 can be used to send a document to GME with a legally valid signature. In this case, the client application should prepare a signed document before including it into a SOAP request message.

Thus, a client application interacting with GMEWS should have:

- a certificate for SSL client authentication (to manage SSL authentication to GMEWS);
- a signature device (with associated drivers) and a certificate for signing, compliant with *GME's system*
- SW tools or libraries enabling:
 - http + SSL communication (https);
 - SOAP messaging according to the WSDL of GMEWS;
 - preparation of signed messages in CAdES format (interworking with the drivers of the signature device).

For that purpose, on a Microsoft platform the following application development tools can be used:

- .NET Framework 4.5 (https communication + SOAP messaging);
- (optional) Bouncy Castle API (preparation of documents in CAdES format)
- SOAPUI (create and send SOAP messages from graphical interface)
- Fiddler (to capture SOAP messages on the network)

Those tools have been tested compatibility and interoperability with the GMEWS.

THE GMEWS INTERFACE

DESCRIPTION

GMEWS Web Service allows programmatic access to a set of functions via the HTTPS protocol (to protect the transmitted data) and is subject to SSL client authentication on the basis of a digital certificate (to check the identity of the user). To be able to invoke the functions of GMEWS, the client application should authenticate itself to GME's web server (hosting GMEWS) by sending an SSL client digital certificate and setting up an SSL connection to it.

GMEWS METHODS

GMEWS exposes the following functions:

LOGIN

It initiates a work session with GME's system.

It is the first function that the client application should invoke in order to use the functionality exposed by GMEWS. Invoking this function, the connecting operator identifies itself to GME's system. In its response, GMEWS returns a session identifier that the client application should specify whenever invoking a function of GMEWS.

LOGOUT

It terminates a work session with GME's system. The user application should invoke this function in order to release the resources being used, before breaking up the https connection

UPLOADMESSAGE

It sends an XML document to GME's system. The document should have an XML format accepted by GME's platform. If requested the document must be signed in CadES format. If the document is accepted, GMEWS returns a response with the identifier that has been assigned to the document, as well as the date and time of receipt; if the document is not accepted, GMEWS responds by sending an XML document showing the reason for the transaction failure.

DOWNLOADMESSAGE

It downloads messages, if any, concerning the offer/bid documents that have been submitted into the market (e.g notifications, schedules). This function checks whether there are notification messages to be downloaded (i.e. unread) and returns the first unread message, if there are any. The returned message is in the XML format adopted by the Gme's system . GME's system marks the returned message as "read"; if the user subsequently invokes the Download Message method, that message will not be returned again. To download an already read message, the ForceDownloadMessage method is available.

GETNEXTMESSAGE

It retrieves the list of messages still to be downloaded (unread). It returns a list in XML format with the name and identifier of each message available for downloading. The maximum number of messages included in the list may be specified upon the invocation.

FORCEDOWNLOADMESSAGE

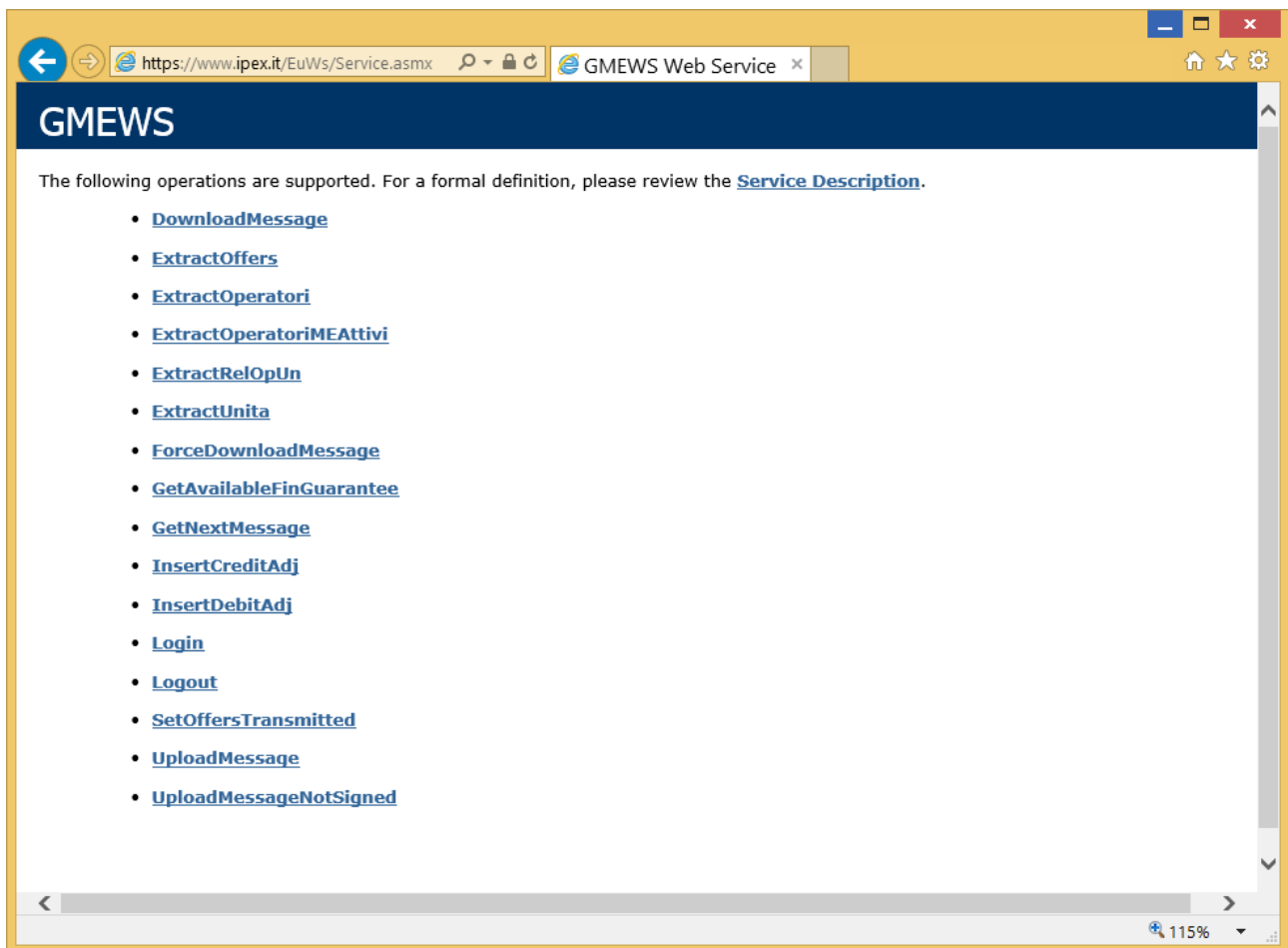
This function downloads a specific message, which is identified via its own identifier; the message can be downloaded even if it was downloaded already. GME's system marks the returned message as "read".

NOTE WELL:

The set of functions just listed it is a subset of those actually available from the GMEWS's API (as shown in the picture below).

However, client applications should use only those described in this document, being the remaining for GME's exclusive use.

The WSDL will list the whole API's set but client applications should ignore those not listed above.



USE OF THE GME WS

The following paragraphs describe how to use the GMEWS, as indicated in the WSDL.

LOGIN

It is the GMEWS method that should be called first. It established a work session with GME's system. The method has two input parameters: UserName and Password.

Login(UserName, Password)

The following is an example of SOAP message showing the login method invocation:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:gmew="http://www.ipex.it/gmews/">
  <soapenv:Header>
    <SessionInfo xsi:type="gmew:SessionInfo">
```

```

    <!--Optional:-->
    <SessionId xsi:type="xsd:string"/>
  </SessionInfo>
</soapenv:Header>
<soapenv:Body>
  <gmew:Login soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <UserName xsi:type="xsd:string">USERNAME</UserName>
    <Password xsi:type="xsd:string">PWD</Password>
  </gmew:Login>
</soapenv:Body>
</soapenv:Envelope>

```

Note the following:

- the SOAP Header must contain an empty SessionId element (SOAP header is defined in the WSDL with the attribute required='true');
- the Username and Password parameters may have any value: as SSL client authentication is required, GMEWS ignores their value and identifies the user according to the SubjectName of the digital certificate used for SSL client authentication.

LOGIN RESPONSE

After invoking the login method, GMEWS returns a Login response, confirming that a work session has been set up. The following is an example of SOAP message showing a login response:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://www.ipex.it/gmews/"
xmlns:types="http://www.ipex.it/gmews/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <types:SessionInfo id="h_id1">
      <SessionId xsi:type="xsd:string">B76BA844-4AA2-4E96-885C-C11385A4C4E1</SessionId>
    </types:SessionInfo>
  </soap:Header>
  <soap:Body soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <types:LoginResponse>
      <Result xsi:type="xsd:boolean">true</Result>
    </types:LoginResponse>
  </soap:Body>
</soap:Envelope>

```

Note:

- if the response is positive (Result = TRUE), then the SessionId in the SOAP header will show the identifier that GME's system assigned to that user session. In following invocations of GMEWS methods (Upload, Download, Logout), the client application should include this SessionId value;
- if the response is negative, a message of SOAP with Result = false is sent; this message may have the following script:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://www.ipex.it/gmews/"
xmlns:types="http://www.ipex.it/gmews/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <types:SessionInfo id="h_id1">
      <SessionId xsi:type="xsd:string"/>
    </types:SessionInfo>
  </soap:Header>
  <types:LoginResponse>
    <Result xsi:type="xsd:boolean">false</Result>
  </types:LoginResponse>
</soap:Body>
</soap:Envelope>

```

```

    </types:SessionInfo>
  </soap:Header>
  <soap:Body soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <types:LoginResponse>
      <Result xsi:type="xsd:boolean">false</Result>
    </types:LoginResponse>
  </soap:Body>
</soap:Envelope>

```

- if the process contains some errors, a message of SOAP Fault type with the fault code and the fault string is sent; this message may have the following script:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Server</faultcode>
      <faultstring>Error description (ID: 742c540f-b344-45ff-9634-4727cb1f6a79)</faultstring>
      <detail/>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>

```

In GME's system, the session expires after a given time of inactivity. GMEWS rejects invocations referring to an expired session. In that case GMEWS returns a message of SOAP Fault type.

DOWNLOADMESSAGE

The DownloadMessage method is invoked by entering one input parameter (**MPNumber**) and two empty output parameters (**MessageName**, **MessageContent**):

DownloadMessage(MPNumber, MessageName, MessageContent)

The following is an example of SOAP message with the DownloadMessage method invocation:

```

<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:gmew="http://www.ipex.it/gmews/">
  <soapenv:Header>
    <SessionInfo xsi:type="gmew:SessionInfo">
      <!--Optional:-->
      <SessionId xsi:type="xsd:string">6A44F79F-2796-4580-9866-E9F9C9A37389</SessionId>
    </SessionInfo>
  </soapenv:Header>
  <soapenv:Body>
    <gmew:DownloadMessage soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <MPNumber xsi:type="xsd:string">IDOPERATOR </MPNumber>
      <MessageName xsi:type="xsd:string"></MessageName>
      <MessageContent xsi:type="xsd:string"></MessageContent>
    </gmew:DownloadMessage>
  </soapenv:Body>
</soapenv:Envelope>

```

Note:

- in the SOAP header, the SessionId must be filled with the value returned by the Login method;
- **MPNumber** is the alphanumerical identifier (in GME's system) of the Market Participant to which the messages to be downloaded are addressed.

DOWNLOADMESSAGE RESPONSE

After the invocation of the DownloadMessage method, GMEWS returns a DownloadMessage response. The following is an example of SOAP message showing a DownloadMessage response:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://www.ipex.it/gmews/"
xmlns:types="http://www.ipex.it/gmews/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <types:SessionInfo id="h_id1">
      <SessionId xsi:type="xsd:string">6A44F79F-2796-4580-9866-E9F9C9A37389</SessionId>
    </types:SessionInfo>
  </soap:Header>
  <soap:Body soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <types:DownloadMessageResponse>
      <Result xsi:type="xsd:boolean">true</Result>
      <MessageName xsi:type="xsd:string">ZID_MGP_20160911.86251831.out.xml</MessageName>
      <MessageContent xsi:type="xsd:string"><![CDATA[<?xml version="1.0" encoding="ISO-8859-1"?>
        <PIPEDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:schemaLocation="urn:XML-PIPE PIPEDocument.xsd" ReferenceNumber="87784187"
          CreationDate="20160907143307" Version="1.0" xmlns="urn:XML-PIPE">
          <TradingPartnerDirectory>
            <Sender>
              <TradingPartner PartnerType="Distributor">
                <CompanyName>GME SPA</CompanyName>
                <CompanyIdentifier>IDGME</CompanyIdentifier>
              </TradingPartner>
            </Sender>
            <Recipient>
              <TradingPartner PartnerType="Operator">
                <CompanyName>xxx</CompanyName>
                <CompanyIdentifier>xxx</CompanyIdentifier>
              </TradingPartner>
            </Recipient>
          </TradingPartnerDirectory>
          ...
          ...
        </PIPEDocument>]]>
      </MessageContent>
    </types:DownloadMessageResponse>
  </soap:Body>
</soap:Envelope>
```

Note:

- if the response contains a message with tag Result equal to 'true', then the **MessageName** tag shows the name of the message and the XML (HTML encoded) content of the message is available in **MessageContent**.
- If the response has a message with a tag Result equal to 'false', then there are no messages to be downloaded and the response does not contain any message.

If the user is not authorized to download messages for the specified Market Participant, or if the session has expired or for any other reason, then a message of SOAP fault type is sent in place of the previous message.

UPLOADMESSAGE

The UploadMessage method is invoked by entering three input parameters (**MPNumber**, **MessageName**, **MessageContent**):

UploadMessage(MPNumber, MessageName, MessageContent)

The following is an example of SOAP message showing the UploadMessage method invocation:

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:gmew="http://www.ipex.it/gmews/">
  <soap:Header>
    <SessionInfo>
      <!--Optional:-->
      <SessionId>6D561D2D-C4FE-4445-86C5-A5CF1C77985F</SessionId>
    </SessionInfo>
  </soap:Header>
  <soap:Body>
    <gmew:UploadMessage>
      <MPNumber>xxxx</MPNumber>
      <MessageName>FileName0001.xml</MessageName>
      <MessageContent>... Document ...</MessageContent>
    </gmew:UploadMessage>
  </soap:Body>
</soap:Envelope>
```

Note:

- in the SOAP header, the SessionId must be filled with the value returned by the Login method;
- **MPNumber** is the alphanumerical identifier (in GME's system) of the Market Participant on whose behalf the XML document is being sent;
- **Message Content** is the XML document (indicated in the example above as "... Document ..."), which is being transmitted (e.g. submission of offers/bids or margins).
If signature is required, the message should be in CAdES format and must include:
 - the XML document to be sent to GME; this document should be compliant with the XML documents required by Gme's system.
 - the document signature;
 - the digital signature certificate of the signer, with X.509 encoding. No other certificates, lists of revocations or qualified attributes should be added.
 - The signature should be produced with the algorithms sha-2 (hashing) + rsa (encryption)
- **Message Name** is the name the user gives to the message being transmitted.

The method uploads the XML document into GME's system, on behalf of the Market Participant specified in **MPNumber**.

UPLOADMESSAGE RESPONSE

After the invocation of the UploadMessage method, GMEWS returns an UploadMessage response. The following is an example of SOAP message showing an UploadMessage response when the upload transaction has been successfully completed:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://www.ipex.it/gmews/"
xmlns:types="http://www.ipex.it/gmews/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <types:SessionInfo id="h_id1">
      <SessionId xsi:type="xsd:string">57A8E9EB-0039-41BA-9ED6-8408A56B367D</SessionId>
    </types:SessionInfo>
  </soap:Header>
  <soap:Body soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <types:UploadMessageResponse>
      <Result xsi:type="xsd:string"><![CDATA[
<?xml version="1.0"?>
  <UPLOAD_RESPONSE>
    <REQUEST_STATUS>COMPLETED</REQUEST_STATUS>
    <MESSAGE_NAME> FileName0001.xml</MESSAGE_NAME>
    <MESSAGE_ID>86352005</MESSAGE_ID>
    <TIMESTAMP>2016-10-17T13:57:21.3496863+02:00</TIMESTAMP>
    <DATE>20161017</DATE>
    <TIME>135721</TIME>
  </UPLOAD_RESPONSE>]]>
    </Result>
  </types:UploadMessageResponse>
</soap:Body>
</soap:Envelope>
```

Note:

- if the **<REQUEST_STATUS>** field shows the value COMPLETED, then the upload transaction has been successfully completed;
- **<MESSAGE_NAME>** displays the name the user gave to the message;
- **<MESSAGE_ID>** displays the identifier that GME's system has assigned to the message (the message can be retrieved from the GME's web portal by entering this identifier in the XML Transactions/Messages Menu);
- **<DATE>** e **<TIME>** show the date and time (timestamp) of receipt of the message. The Electricity market system assigns priorities to received messages according to that date/time).

Instead of the previous message, if the user is not authorized to upload messages on behalf of the selected Market Participant, or if the session has expired or for any other reason, a message of SOAP fault type is returned.

GETNEXTMESSAGE

The GetNextMessage method is invoked by entering two input parameters (MPNumber and MaxNumberOfMessages) and two empty output parameters (NumberOfMessages, MessageList):

GetNextMessage(MPNumber, MaxNumberOfMessages, NumberOfMessages, MessageList)

The following is an example of SOAP message invoking the GetNextMessage method:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:gmew="http://www.ipex.it/gmews/">
  <soapenv:Header>
    <SessionInfo xsi:type="gmew:SessionInfo">
      <!--Optional:-->
      <SessionId xsi:type="xsd:string">6A44F79F-2796-4580-9866-E9F9C9A37389</SessionId>
    </SessionInfo>
  </soapenv:Header>
  <soapenv:Body>
    <gmew:GetNextMessage soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <MPNumber xsi:type="xsd:string">IDOPERATOR</MPNumber>
      <MaxNumberOfMessages xsi:type="xsd:string">2</MaxNumberOfMessages>
      <NumberOfMessages xsi:type="xsd:string"></NumberOfMessages>
      <MessageList xsi:type="xsd:string"></MessageList>
    </gmew:GetNextMessage>
  </soapenv:Body>
</soapenv:Envelope>
```

Note:

- the SessionId in the SOAP header must be filled with the value returned by the Login method;
- **MPNumber** shows the alphanumerical identifier (in GME's system) of the Market Participant for which the user is checking for any messages;
- **MaxNumberOfMessages** is the maximum number of messages to be obtained in the response.

GETNEXTMESSAGE RESPONSE

After the GetNextMessage method invocation, GMEWS returns a GetNextMessage response. The following is an example of SOAP message showing a GetNextMessage response:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns="http://www.ipex.it/gmews/" xmlns:types="http://www.ipex.it/gmews/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <types:SessionInfo id="h_id1">
      <SessionId xsi:type="xsd:string">6A44F79F-2796-4580-9866-E9F9C9A37389</SessionId>
    </types:SessionInfo>
  </soap:Header>
  <soap:Body soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <types:GetNextMessageResponse>
      <Result xsi:type="xsd:string">True</Result>
      <NumberOfMessages xsi:type="xsd:string">2</NumberOfMessages>
      <MessageList xsi:type="xsd:string"><![CDATA[<MessageList>
        <Message>
```

```

        <MessageId>86251831</MessageId>
        <MessageName>ZID_MGP_20160911.86251831.out.xml</MessageName>
    </Message>
    <Message>
        <MessageId>86252751</MessageId>
        <MessageName>ESTD_MGP_20160911.86252751.out.xml</MessageName>
    </Message>
</MessageList>]]>
</MessageList>
</types:GetNextMessageResponse>
</soap:Body>
</soap:Envelope>

```

Note:

- the **<MessageList>** tag contains a list of messages <Message>; for each message in the list, the message identifier (MessageId) is shown along with the name the GME's system has assigned to the message (MessageName); The tag is empty if there aren't other messages to download.
- if the user is not authorised to download messages authorised to download messages on behalf of the specified Market Participant, or if the session has expired or for any other reason, a message of SOAP fault type is obtained in response.

FORCEDOWNLOADMESSAGE

The ForceDownloadMessage method is invoked by entering two input parameters (MPNumber and MessageId) and two empty parameters (MessageName, MessageContent):

ForceDownloadMessage(MPNumber, MessageId, MessageName, MessageContent)

With this method, the user may download a specific message. In order to do that you need to know the Message identifier the GME's system assigned to that message.

The following is an example of SOAP message with the ForceDownloadMessage invocation:

```

<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:gmew="http://www.ipex.it/gmews/">
  <soapenv:Header>
    <SessionInfo xsi:type="gmew:SessionInfo">
      <!--Optional:-->
      <SessionId xsi:type="xsd:string">DE89547A-4B6A-4F95-AF53-A8ADACE34DB2</SessionId>
    </SessionInfo>
  </soapenv:Header>
  <soapenv:Body>
    <gmew:ForceDownloadMessage soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <MPNumber xsi:type="xsd:string">xxx</MPNumber>
      <MessageId xsi:type="xsd:string">IDOPERATOR</MessageId>
      <MessageName xsi:type="xsd:string"></MessageName>
      <MessageContent xsi:type="xsd:string"></MessageContent>
    </gmew:ForceDownloadMessage>
  </soapenv:Body>
</soapenv:Envelope>

```

Note:

- the SessionId in the SOAP header should specify the value that has been returned by the Login method;
- **MPNumber** shows the alphanumerical identifier (in GME's system) of the Market Participant whom the message is addressed to;
- **MessageId** is the identifier that GME's system has assigned to the message to be downloaded.

FORCEDOWNLOADMESSAGE RESPONSE

After the ForceDownloadMessage method invocation, GMEWS returns a ForceDownloadMessage response. The following is an example of SOAP message with a ForceDownloadMessage response:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://www.ipex.it/gmews/"
xmlns:types="http://www.ipex.it/gmews/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <types:SessionInfo id="h_id1">
      <SessionId xsi:type="xsd:string">DE89547A-4B6A-4F95-AF53-A8ADACE34DB2</SessionId>
    </types:SessionInfo>
  </soap:Header>
  <soap:Body soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <types:ForceDownloadMessageResponse>
      <Result xsi:type="xsd:string">True</Result>
      <MessageName xsi:type="xsd:string">ZID_MGP_20160911.86251831.out.xml</MessageName>
      <MessageContent xsi:type="xsd:string"><![CDATA[<?xml version="1.0" encoding="ISO-8859-1"?>
        <PIPEDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:schemaLocation="urn:XML-PIPE PIPEDocument.xsd" ReferenceNumber="87784187"
          CreationDate="20160907143307" Version="1.0" xmlns="urn:XML-PIPE">
          <TradingPartnerDirectory>
            <Sender>
              <TradingPartner PartnerType="Distributor">
                <CompanyName>GME SPA</CompanyName>
                <CompanyIdentifier>IDGME</CompanyIdentifier>
              </TradingPartner>
            </Sender>
            <Recipient>
              <TradingPartner PartnerType="Operator">
                <CompanyName>xxx</CompanyName>
                <CompanyIdentifier>xxxxx</CompanyIdentifier>
              </TradingPartner>
            </Recipient>
          </TradingPartnerDirectory>
          ...
          ...
        </PIPEDocument>
      </MessageContent>
    </types:ForceDownloadMessageResponse>
  </soap:Body>
</soap:Envelope>
```

```

        </MessageContent>
    </types:ForceDownloadMessageResponse>
</soap:Body>
</soap:Envelope>

```

Note:

- if the requested message exists (**Result** = TRUE), then the **MessageName** tag shows the name of the notification message and the content of the message is in **MessageContent**.

if the requested message does not exist, a message with the Result = false is sent in place of the previous message; such message may have the following script:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://www.ipex.it/gmews/"
  xmlns:types="http://www.ipex.it/gmews/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <types:SessionInfo id="h_id1">
      <SessionId xsi:type="xsd:string">DE89547A-4B6A-4F95-AF53-A8ADACE34DB2</SessionId>
    </types:SessionInfo>
  </soap:Header>
  <soap:Body soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <types:ForceDownloadMessageResponse>
      <Result xsi:type="xsd:string">False</Result>
    </types:ForceDownloadMessageResponse>
  </soap:Body>
</soap:Envelope>

```

If the user is not authorized to download messages on behalf of the specified Market Participant, or if the session has expired or for any other reason, a message of SOAP fault type is sent in place of the previous message.

LOGOUT

The Logout Method is invoked without entering any parameter:

Logout()

This method terminates the work session

The following is an example of SOAP message showing the Logout method invocation:

```

<soapenv:Envelope
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:gmew="http://www.ipex.it/gmews/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header>
    <SessionInfo xsi:type="gmew:SessionInfo">
      <!--Optional:-->
      <SessionId xsi:type="xsd:string">DE89547A-4B6A-4F95-AF53-A8ADACE34DB2</SessionId>
    </SessionInfo>
  </soapenv:Header>

```

```

</soapenv:Header>
<soapenv:Body>
  <gmew:Logout soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
</soapenv:Body>
</soapenv:Envelope>

```

Note:

- the SessionId in the SOAP header should specify the value that was returned by the Login method; such value identifies the session to be terminated.

LOGOUT RESPONSE

After the Logout method invocation, GMEWS returns a Logout response confirming the closing of the session.

The following is an example of SOAP message showing a Logout response:

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns="http://www.ipex.it/gmews/"
xmlns:types="http://www.ipex.it/gmews/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <types:SessionInfo id="h_id1">
      <SessionId xsi:type="xsd:string">DE89547A-4B6A-4F95-AF53-
A8ADACE34DB2</SessionId>
    </types:SessionInfo>
  </soap:Header>
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <types:LogoutResponse>
      <Result xsi:type="xsd:boolean">true</Result>
    </types:LogoutResponse>
  </soap:Body>
</soap:Envelope>

```

If the session has expired or for any other reason, a message of SOAP Fault type is sent in place of the previous message.

APPENDIX A: WSDL OF GMEWS

The following is a description of the IPEX's platform Web Service WSDL, which may be obtained at the following URLs:

<https://www.ipex.it/euws/service.asmx.wsdl> (requires SSL client certificate authentication)

gmews.wsdl

```

<wsdl:definitions targetNamespace="http://www.ipex.it/gmews/" xmlns:s="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/" xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"

```

```

xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/" xmlns:tns="http://www.ipex.it/gmews/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:tm="http://microsoft.com/wsdl/mime/textMatching/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
<wsdl:types>
  <s:schema elementFormDefault="qualified" targetNamespace="http://www.ipex.it/gmews/">
    <s:complexType name="SessionInfo">
      <s:sequence>
        <s:element minOccurs="0" maxOccurs="1" form="unqualified" name="SessionId" type="s:string"/>
      </s:sequence>
    </s:complexType>
  </s:schema>
</wsdl:types>
<wsdl:message name="LoginSoapIn">
  <wsdl:part name="UserName" type="s:string"/>
  <wsdl:part name="Password" type="s:string"/>
</wsdl:message>
<wsdl:message name="LoginSoapOut">
  <wsdl:part name="Result" type="s:boolean"/>
</wsdl:message>
<wsdl:message name="LoginSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="LogoutSoapIn"/>
<wsdl:message name="LogoutSoapOut">
  <wsdl:part name="Result" type="s:boolean"/>
</wsdl:message>
<wsdl:message name="LogoutSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="UploadMessageSoapIn">
  <wsdl:part name="MPNumber" type="s:string"/>
  <wsdl:part name="MessageName" type="s:string"/>
  <wsdl:part name="MessageContent" type="s:string"/>
</wsdl:message>
<wsdl:message name="UploadMessageSoapOut">
  <wsdl:part name="Result" type="s:string"/>
</wsdl:message>
<wsdl:message name="UploadMessageSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="UploadMessageNotSignedSoapIn">
  <wsdl:part name="MPNumber" type="s:string"/>
  <wsdl:part name="MessageName" type="s:string"/>
  <wsdl:part name="MessageContent" type="s:string"/>
</wsdl:message>
<wsdl:message name="UploadMessageNotSignedSoapOut">
  <wsdl:part name="Result" type="s:string"/>
</wsdl:message>
<wsdl:message name="UploadMessageNotSignedSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="GetNextMessageSoapIn">
  <wsdl:part name="MPNumber" type="s:string"/>
  <wsdl:part name="MaxNumberOfMessages" type="s:string"/>
  <wsdl:part name="NumberOfMessages" type="s:string"/>
  <wsdl:part name="MessageList" type="s:string"/>
</wsdl:message>
<wsdl:message name="GetNextMessageSoapOut">

```

```

    <wsdl:part name="Result" type="s:string"/>
    <wsdl:part name="NumberOfMessages" type="s:string"/>
    <wsdl:part name="MessageList" type="s:string"/>
</wsdl:message>
<wsdl:message name="GetNextMessageSessionInfo">
    <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="ForceDownloadMessageSoapIn">
    <wsdl:part name="MPNumber" type="s:string"/>
    <wsdl:part name="MessageId" type="s:string"/>
    <wsdl:part name="MessageName" type="s:string"/>
    <wsdl:part name="MessageContent" type="s:string"/>
</wsdl:message>
<wsdl:message name="ForceDownloadMessageSoapOut">
    <wsdl:part name="Result" type="s:string"/>
    <wsdl:part name="MessageName" type="s:string"/>
    <wsdl:part name="MessageContent" type="s:string"/>
</wsdl:message>
<wsdl:message name="ForceDownloadMessageSessionInfo">
    <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="DownloadMessageSoapIn">
    <wsdl:part name="MPNumber" type="s:string"/>
    <wsdl:part name="MessageName" type="s:string"/>
    <wsdl:part name="MessageContent" type="s:string"/>
</wsdl:message>
<wsdl:message name="DownloadMessageSoapOut">
    <wsdl:part name="Result" type="s:boolean"/>
    <wsdl:part name="MessageName" type="s:string"/>
    <wsdl:part name="MessageContent" type="s:string"/>
</wsdl:message>
<wsdl:message name="DownloadMessageSessionInfo">
    <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="ExtractOffersSoapIn">
    <wsdl:part name="Mercato" type="s:string"/>
    <wsdl:part name="DataFlusso" type="s:string"/>
    <wsdl:part name="Tipo" type="s:string"/>
    <wsdl:part name="CodiceOperatore" type="s:string"/>
    <wsdl:part name="MaxOfferCount" type="s:string"/>
    <wsdl:part name="OfferListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractOffersSoapOut">
    <wsdl:part name="Result" type="s:string"/>
    <wsdl:part name="OfferListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractOffersSessionInfo">
    <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="ExtractOperatoriSoapIn">
    <wsdl:part name="Date" type="s:string"/>
    <wsdl:part name="OperatorListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractOperatoriSoapOut">
    <wsdl:part name="Result" type="s:string"/>
    <wsdl:part name="OperatorListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractOperatoriSessionInfo">

```

```
<wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="InsertDebitAdjSoapIn">
  <wsdl:part name="CodiceOperatore" type="s:string"/>
  <wsdl:part name="Ammontare" type="s:string"/>
  <wsdl:part name="Data" type="s:string"/>
</wsdl:message>
<wsdl:message name="InsertDebitAdjSoapOut">
  <wsdl:part name="Result" type="s:boolean"/>
</wsdl:message>
<wsdl:message name="InsertDebitAdjSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="InsertCreditAdjSoapIn">
  <wsdl:part name="CodiceOperatore" type="s:string"/>
  <wsdl:part name="Ammontare" type="s:string"/>
  <wsdl:part name="Data" type="s:string"/>
</wsdl:message>
<wsdl:message name="InsertCreditAdjSoapOut">
  <wsdl:part name="Result" type="s:boolean"/>
</wsdl:message>
<wsdl:message name="InsertCreditAdjSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="GetAvailableFinGuaranteeSoapIn">
  <wsdl:part name="CodiceOperatore" type="s:string"/>
  <wsdl:part name="Data" type="s:string"/>
</wsdl:message>
<wsdl:message name="GetAvailableFinGuaranteeSoapOut">
  <wsdl:part name="Result" type="s:string"/>
</wsdl:message>
<wsdl:message name="GetAvailableFinGuaranteeSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="ExtractOperatoriMEAttiviSoapIn">
  <wsdl:part name="Date" type="s:string"/>
  <wsdl:part name="OperatorListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractOperatoriMEAttiviSoapOut">
  <wsdl:part name="Result" type="s:string"/>
  <wsdl:part name="OperatorListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractOperatoriMEAttiviSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="ExtractRelOpUnSoapIn">
  <wsdl:part name="Date" type="s:string"/>
  <wsdl:part name="RelOpUnListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractRelOpUnSoapOut">
  <wsdl:part name="Result" type="s:string"/>
  <wsdl:part name="RelOpUnListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractRelOpUnSessionInfo">
  <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="ExtractUnitaSoapIn">
  <wsdl:part name="Date" type="s:string"/>
```

```

    <wsdl:part name="UnitListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractUnitaSoapOut">
    <wsdl:part name="Result" type="s:string"/>
    <wsdl:part name="UnitListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="ExtractUnitaSessionInfo">
    <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:message name="SetOffersTransmittedSoapIn">
    <wsdl:part name="OfferListXml" type="s:string"/>
</wsdl:message>
<wsdl:message name="SetOffersTransmittedSoapOut">
    <wsdl:part name="Result" type="s:string"/>
</wsdl:message>
<wsdl:message name="SetOffersTransmittedSessionInfo">
    <wsdl:part name="SessionInfo" type="tns:SessionInfo"/>
</wsdl:message>
<wsdl:portType name="GMEWSSoap">
    <wsdl:operation name="Login">
        <wsdl:input message="tns:LoginSoapIn"/>
        <wsdl:output message="tns:LoginSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="Logout">
        <wsdl:input message="tns:LogoutSoapIn"/>
        <wsdl:output message="tns:LogoutSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="UploadMessage">
        <wsdl:input message="tns:UploadMessageSoapIn"/>
        <wsdl:output message="tns:UploadMessageSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="UploadMessageNotSigned">
        <wsdl:input message="tns:UploadMessageNotSignedSoapIn"/>
        <wsdl:output message="tns:UploadMessageNotSignedSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="GetNextMessage" parameterOrder="MPNumber MaxNumberOfMessages
NumberOfMessages MessageList">
        <wsdl:input message="tns:GetNextMessageSoapIn"/>
        <wsdl:output message="tns:GetNextMessageSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="ForceDownloadMessage" parameterOrder="MPNumber MessageId MessageName
MessageContent">
        <wsdl:input message="tns:ForceDownloadMessageSoapIn"/>
        <wsdl:output message="tns:ForceDownloadMessageSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="DownloadMessage" parameterOrder="MPNumber MessageName MessageContent">
        <wsdl:input message="tns:DownloadMessageSoapIn"/>
        <wsdl:output message="tns:DownloadMessageSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="ExtractOffers" parameterOrder="Mercato DataFlusso Tipo CodiceOperatore
MaxOfferCount OfferListXml">
        <wsdl:input message="tns:ExtractOffersSoapIn"/>
        <wsdl:output message="tns:ExtractOffersSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="ExtractOperatori" parameterOrder="Date OperatorListXml">
        <wsdl:input message="tns:ExtractOperatoriSoapIn"/>
        <wsdl:output message="tns:ExtractOperatoriSoapOut"/>
    </wsdl:operation>

```

```

<wsdl:operation name="InsertDebitAdj">
  <wsdl:input message="tns:InsertDebitAdjSoapIn"/>
  <wsdl:output message="tns:InsertDebitAdjSoapOut"/>
</wsdl:operation>
<wsdl:operation name="InsertCreditAdj">
  <wsdl:input message="tns:InsertCreditAdjSoapIn"/>
  <wsdl:output message="tns:InsertCreditAdjSoapOut"/>
</wsdl:operation>
<wsdl:operation name="GetAvailableFinGuarantee">
  <wsdl:input message="tns:GetAvailableFinGuaranteeSoapIn"/>
  <wsdl:output message="tns:GetAvailableFinGuaranteeSoapOut"/>
</wsdl:operation>
<wsdl:operation name="ExtractOperatoriMEAttivi" parameterOrder="Date OperatorListXml">
  <wsdl:input message="tns:ExtractOperatoriMEAttiviSoapIn"/>
  <wsdl:output message="tns:ExtractOperatoriMEAttiviSoapOut"/>
</wsdl:operation>
<wsdl:operation name="ExtractRelOpUn" parameterOrder="Date RelOpUnListXml">
  <wsdl:input message="tns:ExtractRelOpUnSoapIn"/>
  <wsdl:output message="tns:ExtractRelOpUnSoapOut"/>
</wsdl:operation>
<wsdl:operation name="ExtractUnita" parameterOrder="Date UnitListXml">
  <wsdl:input message="tns:ExtractUnitaSoapIn"/>
  <wsdl:output message="tns:ExtractUnitaSoapOut"/>
</wsdl:operation>
<wsdl:operation name="SetOffersTransmitted">
  <wsdl:input message="tns:SetOffersTransmittedSoapIn"/>
  <wsdl:output message="tns:SetOffersTransmittedSoapOut"/>
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="GMEWSSoap" type="tns:GMEWSSoap">
  <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="rpc"/>
  <wsdl:operation name="Login">
    <soap:operation soapAction="http://www.ipex.it/gmews/Login" style="rpc"/>
    <wsdl:input>
      <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
      <soap:header message="tns:LoginSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
      <soap:header message="tns:LoginSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="Logout">
    <soap:operation soapAction="http://www.ipex.it/gmews/Logout" style="rpc"/>
    <wsdl:input>
      <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
      <soap:header message="tns:LogoutSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
      <soap:header message="tns:LogoutSessionInfo" part="SessionInfo" use="encoded"

```

```

encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="UploadMessage">
  <soap:operation soapAction="http://www.ipex.it/gmews/UploadMessage" style="rpc"/>
  <wsdl:input>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
    <soap:header message="tns:UploadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
    </wsdl:input>
    <wsdl:output>
      <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
      <soap:header message="tns:UploadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
      </wsdl:output>
    </wsdl:operation>
  <wsdl:operation name="UploadMessageNotSigned">
    <soap:operation soapAction="http://www.ipex.it/gmews/UploadMessageNotSigned" style="rpc"/>
    <wsdl:input>
      <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
      <soap:header message="tns:UploadMessageNotSignedSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
        <soap:header message="tns:UploadMessageNotSignedSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
        </wsdl:output>
      </wsdl:operation>
    <wsdl:operation name="GetNextMessage">
      <soap:operation soapAction="http://www.ipex.it/gmews/GetNextMessage" style="rpc"/>
      <wsdl:input>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
        <soap:header message="tns:GetNextMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
          <soap:header message="tns:GetNextMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
          </wsdl:output>
        </wsdl:operation>
      <wsdl:operation name="ForceDownloadMessage">
        <soap:operation soapAction="http://www.ipex.it/gmews/ForceDownloadMessage" style="rpc"/>
        <wsdl:input>
          <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"/>
          <soap:header message="tns:ForceDownloadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
          </wsdl:input>
          <wsdl:output>
            <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"

```

```

encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:ForceDownloadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="DownloadMessage">
    <soap:operation soapAction="http://www.ipex.it/gmews/DownloadMessage" style="rpc" />
    <wsdl:input>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:DownloadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
        </wsdl:input>
    <wsdl:output>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:DownloadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
        </wsdl:output>
    </wsdl:operation>
<wsdl:operation name="ExtractOffers">
    <soap:operation soapAction="http://www.ipex.it/gmews/ExtractOffers" style="rpc" />
    <wsdl:input>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:ExtractOffersSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
        </wsdl:input>
    <wsdl:output>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:ExtractOffersSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
        </wsdl:output>
    </wsdl:operation>
<wsdl:operation name="ExtractOperatori">
    <soap:operation soapAction="http://www.ipex.it/gmews/ExtractOperatori" style="rpc" />
    <wsdl:input>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:ExtractOperatoriSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
        </wsdl:input>
    <wsdl:output>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:ExtractOperatoriSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
        </wsdl:output>
    </wsdl:operation>
<wsdl:operation name="InsertDebitAdj">
    <soap:operation soapAction="http://www.ipex.it/gmews/InsertDebitAdj" style="rpc" />
    <wsdl:input>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:InsertDebitAdjSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
        </wsdl:input>

```

```

<wsdl:output>
  <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
  <soap:header message="tns:InsertDebitAdjSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="InsertCreditAdj">
  <soap:operation soapAction="http://www.ipex.it/gmews/InsertCreditAdj" style="rpc" />
  <wsdl:input>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:InsertCreditAdjSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:InsertCreditAdjSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetAvailableFinGuarantee">
  <soap:operation soapAction="http://www.ipex.it/gmews/GetAvailableFinGuarantee" style="rpc" />
  <wsdl:input>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:GetAvailableFinGuaranteeSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:GetAvailableFinGuaranteeSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ExtractOperatoriMEAttivi">
  <soap:operation soapAction="http://www.ipex.it/gmews/ExtractOperatoriMEAttivi" style="rpc" />
  <wsdl:input>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:ExtractOperatoriMEAttiviSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:ExtractOperatoriMEAttiviSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews/" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ExtractRelOpUn">
  <soap:operation soapAction="http://www.ipex.it/gmews/ExtractRelOpUn" style="rpc" />
  <wsdl:input>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:ExtractRelOpUnSessionInfo" part="SessionInfo" use="encoded"

```

```

encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
    <soap:header message="tns:ExtractRelOpUnSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="ExtractUnita">
    <soap:operation soapAction="http://www.ipex.it/gmews/ExtractUnita" style="rpc"/>
    <wsdl:input>
      <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
      <soap:header message="tns:ExtractUnitaSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
      </wsdl:input>
    <wsdl:output>
      <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
      <soap:header message="tns:ExtractUnitaSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetOffersTransmitted">
      <soap:operation soapAction="http://www.ipex.it/gmews/SetOffersTransmitted" style="rpc"/>
      <wsdl:input>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:SetOffersTransmittedSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
        </wsdl:input>
      <wsdl:output>
        <soap:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" />
        <soap:header message="tns:SetOffersTransmittedSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" namespace="http://www.ipex.it/gmews"/>
        </wsdl:output>
      </wsdl:operation>
    </wsdl:binding>
    <wsdl:binding name="GMEWSSoap12" type="tns:GMEWSSoap">
      <soap12:binding transport="http://schemas.xmlsoap.org/soap/http" style="rpc"/>
      <wsdl:operation name="Login">
        <soap12:operation soapAction="http://www.ipex.it/gmews/Login" style="rpc"/>
        <wsdl:input>
          <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding/" />
          <soap12:header message="tns:LoginSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding/" namespace="http://www.ipex.it/gmews"/>
          </wsdl:input>
        <wsdl:output>
          <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding/" />
          <soap12:header message="tns:LoginSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding/" namespace="http://www.ipex.it/gmews"/>
          </wsdl:output>
        </wsdl:operation>
      <wsdl:operation name="Logout">

```

```

    <soap12:operation soapAction="http://www.ipex.it/gmews/Logout" style="rpc"/>
    <wsdl:input>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:LogoutSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:LogoutSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="UploadMessage">
    <soap12:operation soapAction="http://www.ipex.it/gmews/UploadMessage" style="rpc"/>
    <wsdl:input>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:UploadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:UploadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="UploadMessageNotSigned">
    <soap12:operation soapAction="http://www.ipex.it/gmews/UploadMessageNotSigned" style="rpc"/>
    <wsdl:input>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:UploadMessageNotSignedSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:UploadMessageNotSignedSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="GetNextMessage">
    <soap12:operation soapAction="http://www.ipex.it/gmews/GetNextMessage" style="rpc"/>
    <wsdl:input>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:GetNextMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:GetNextMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews"/>
    </wsdl:output>
  </wsdl:operation>

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```

</wsdl:operation>
<wsdl:operation name="ForceDownloadMessage">
  <soap12:operation soapAction="http://www.ipex.it/gmews/ForceDownloadMessage" style="rpc"/>
  <wsdl:input>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:ForceDownloadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:ForceDownloadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="DownloadMessage">
  <soap12:operation soapAction="http://www.ipex.it/gmews/DownloadMessage" style="rpc"/>
  <wsdl:input>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:DownloadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:DownloadMessageSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ExtractOffers">
  <soap12:operation soapAction="http://www.ipex.it/gmews/ExtractOffers" style="rpc"/>
  <wsdl:input>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:ExtractOffersSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:ExtractOffersSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ExtractOperatori">
  <soap12:operation soapAction="http://www.ipex.it/gmews/ExtractOperatori" style="rpc"/>
  <wsdl:input>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:ExtractOperatoriSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
  </wsdl:input>
  <wsdl:output>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:ExtractOperatoriSessionInfo" part="SessionInfo" use="encoded"

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```

encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/">
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="InsertDebitAdj">
  <soap12:operation soapAction="http://www.ipex.it/gmews/InsertDebitAdj" style="rpc"/>
  <wsdl:input>
    <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:InsertDebitAdjSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/">
      </wsdl:input>
    <wsdl:output>
      <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
      <soap12:header message="tns:InsertDebitAdjSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/">
        </wsdl:output>
      </wsdl:operation>
    <wsdl:operation name="InsertCreditAdj">
      <soap12:operation soapAction="http://www.ipex.it/gmews/InsertCreditAdj" style="rpc"/>
      <wsdl:input>
        <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
        <soap12:header message="tns:InsertCreditAdjSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/">
          </wsdl:input>
        <wsdl:output>
          <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
          <soap12:header message="tns:InsertCreditAdjSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/">
            </wsdl:output>
          </wsdl:operation>
        <wsdl:operation name="GetAvailableFinGuarantee">
          <soap12:operation soapAction="http://www.ipex.it/gmews/GetAvailableFinGuarantee" style="rpc"/>
          <wsdl:input>
            <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
            <soap12:header message="tns:GetAvailableFinGuaranteeSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/">
              </wsdl:input>
            <wsdl:output>
              <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
              <soap12:header message="tns:GetAvailableFinGuaranteeSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/">
                </wsdl:output>
              </wsdl:operation>
            <wsdl:operation name="ExtractOperatoriMEAttivi">
              <soap12:operation soapAction="http://www.ipex.it/gmews/ExtractOperatoriMEAttivi" style="rpc"/>
              <wsdl:input>
                <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
                <soap12:header message="tns:ExtractOperatoriMEAttiviSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/">
                  </wsdl:input>
                <wsdl:output>
                  <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"

```

```

encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
    <soap12:header message="tns:ExtractOperatoriMEAttiviSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ExtractRelOpUn">
    <soap12:operation soapAction="http://www.ipex.it/gmews/ExtractRelOpUn" style="rpc"/>
    <wsdl:input>
        <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
        <soap12:header message="tns:ExtractRelOpUnSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
        </wsdl:input>
    <wsdl:output>
        <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
        <soap12:header message="tns:ExtractRelOpUnSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
        </wsdl:output>
    </wsdl:operation>
<wsdl:operation name="ExtractUnita">
    <soap12:operation soapAction="http://www.ipex.it/gmews/ExtractUnita" style="rpc"/>
    <wsdl:input>
        <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
        <soap12:header message="tns:ExtractUnitaSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
        </wsdl:input>
    <wsdl:output>
        <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
        <soap12:header message="tns:ExtractUnitaSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
        </wsdl:output>
    </wsdl:operation>
<wsdl:operation name="SetOffersTransmitted">
    <soap12:operation soapAction="http://www.ipex.it/gmews/SetOffersTransmitted" style="rpc"/>
    <wsdl:input>
        <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
        <soap12:header message="tns:SetOffersTransmittedSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
        </wsdl:input>
    <wsdl:output>
        <soap12:body use="encoded" namespace="http://www.ipex.it/gmews/"
encodingStyle="http://www.w3.org/2003/05/soap-encoding"/>
        <soap12:header message="tns:SetOffersTransmittedSessionInfo" part="SessionInfo" use="encoded"
encodingStyle="http://www.w3.org/2003/05/soap-encoding" namespace="http://www.ipex.it/gmews/" />
        </wsdl:output>
    </wsdl:operation>
</wsdl:binding>
<wsdl:service name="GMEWS">
    <wsdl:port name="GMEWSSoap" binding="tns:GMEWSSoap">
        <soap:address location="http://meallinone2/Eurolpex_Energy_EuWs_TEST/Service.asmx"/>
    </wsdl:port>
    <wsdl:port name="GMEWSSoap12" binding="tns:GMEWSSoap12">
        <soap12:address location="http://meallinone2/Eurolpex_Energy_EuWs_TEST/Service.asmx"/>
    </wsdl:port>

```

```
</wsdl:service>  
</wsdl:definitions>
```

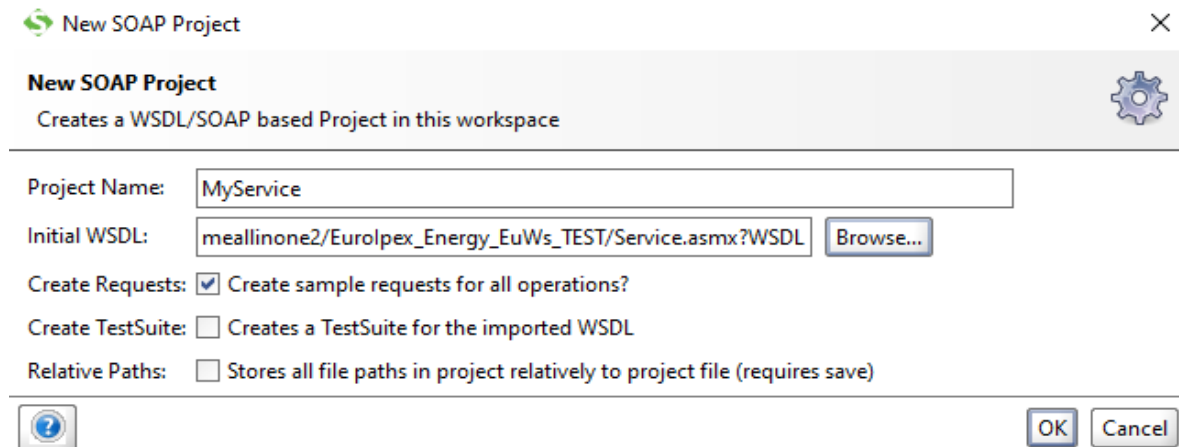
APPENDIX B: SUGGESTIONS FOR THE USE OF DIGITAL CERTIFICATES IN THE WINDOWS ENVIRONMENT

1. The client application will require two certificates: one SSL client authentication certificate and one certificate for signing purpose. The Windows environment with Internet Explorer 6.0.28 or higher rejects authentication via a certificate intended for signing purpose. Make sure to select certificate intended for SSL client authentication when managing authentication and setting up the https session.
2. To use certificates in the Windows environment, certificates need to be imported into the Windows key stores. In order to import a certificate that is located on a hardware encryption device (SmartCard or token), you need to use the software tools supplied with the device. By default, these tools usually import the certificates into the CURRENT_USER Windows store. If the client application is a multi-user one and the certificates are to be accessed independently of the type of connected user, the certificates should be physically moved into the Windows LOCAL_MACHINE store.
3. To allow a client application on a Windows environment to successfully use digital certificates, those certificates need to be trusted on the client machine. A non-trusted certificate on the client machine gives errors (cross on red background) or warnings(yellow question points): Windows always tries to recover the complete trust chain before using a certificate and this may cause malfunctions in the client application. Thus, in addition to user certificates, also the certificate of the Certification Authority (CA) that issued the certificate should be imported into the CURRENT_USER (or LOCAL_MACHINE) stores. If the CA is a subordinate CA, then the whole chain of CA certificates leading from such CA to a root CA should be imported. CA root certificates should be imported into "Trusted Root Certification Authorities" store. Subordinate CA certificates should be imported into "Intermediate Certification Authorities" store. User certificates should be imported into the Personal store.
4. .NET 4.8 provides native classes for direct access to certificates X.509v3 in the Windows key stores: they are placed inside the namespace System.Security.Cryptography.X509Certificates of mscorlib.dll assembly.

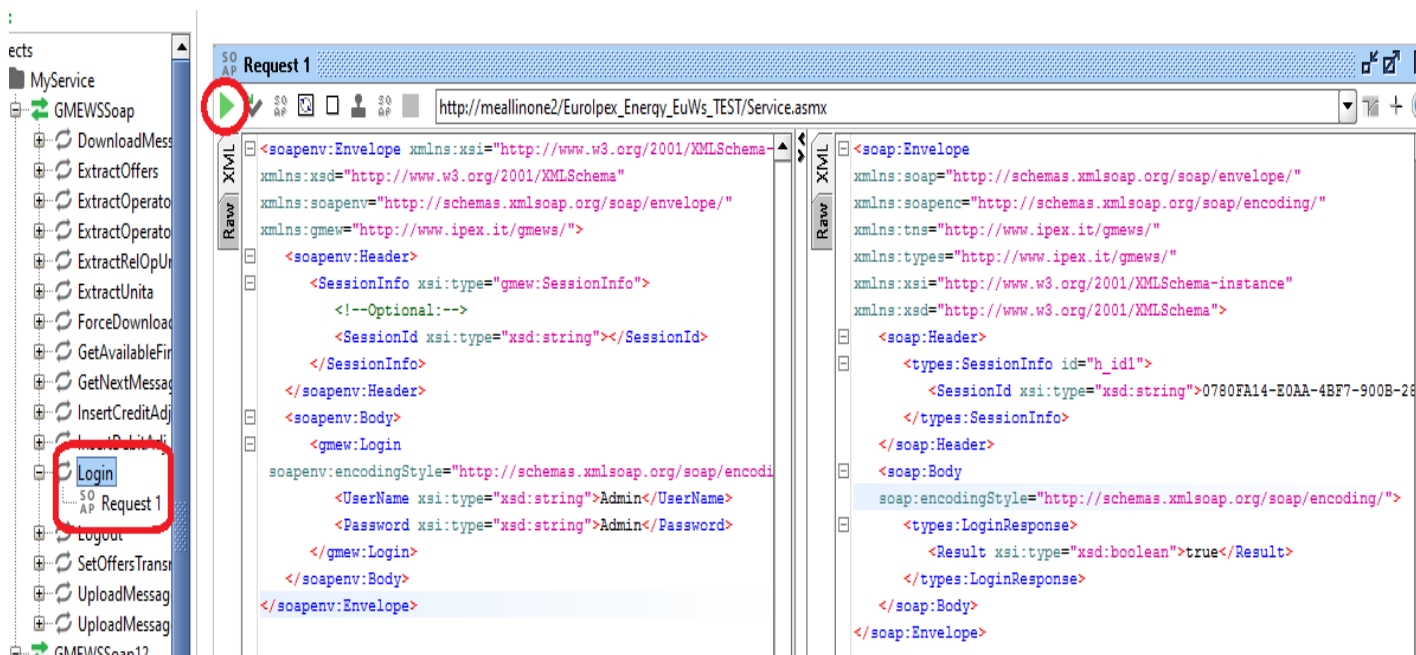
APPENDIX C: EXAMPLE OF INVOCATION OF THE LOGIN METHOD WITH SOAPUI

SoapUI is a powerful tool for testing SOAP web services messages. It allows the user to send some SOAP requests to the web service and to receive the relative answers in according to its WSDL file.

At first, user has to create a new SOAP project by indicating the WSDL file http address.



If 'Create Requests' is checked, SoapUI creates a set of SOAP message templates in according to the WSDL file indicated (see below).

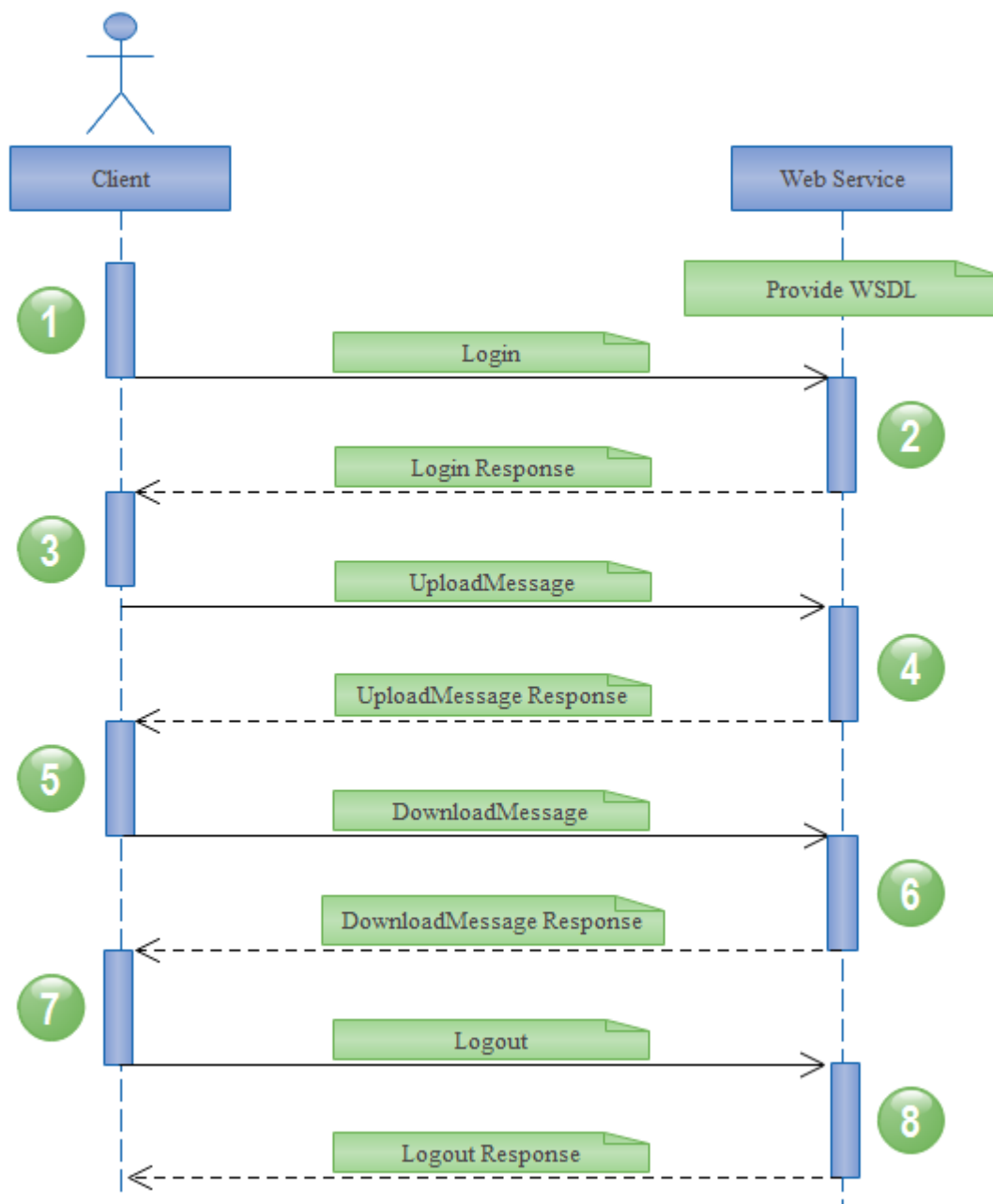


To create a Login message, the user has to click on the 'Login' message template on the left of the screen. The click will open the Request interface where the user can edit the message parameters and at the end can send the message to the web service pushing the green arrow on the top. On the right side will be received the web service answer.

APPENDIX D: EXAMPLES OF INVOCATION SEQUENCES

The followings are examples of WebService methods invocation sequences:

- 1) In the figure below an example of invocation sequence for using the UploadMessage and DownloadMessage methods



- 2) In the figure below an example of invocation sequence for using the GetNextMessage and ForceDownloadMessage methods

