

MeF State and Trading Partners Interface Control Document (ICD)

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Section 1. Interaction with Third Party Transmitters and States

1.1 Interface Overview

The data are exchanged between the IRS external Third Party Transmitters and States and the MeF system via Simple Object Access Protocol (SOAP) messages or files. The SOAP data structures are specified in this document. As illustrated in Figure 1-1, MeF Interface Overview, there are two data communication channels between the external clients the MeF system.

- **The Internet Filing Application (IFA) channel**—In the IFA channel, the data are exchanged in files with SOAP data structures using the HTML transport mechanism over an HTTPS SSL connection.
- **The Application-to-Application (A2A) channel**—In the A2A channel, the data are exchanged in SOAP messages using the Web Services request-response model transport mechanism over an HTTPS SSL connection.

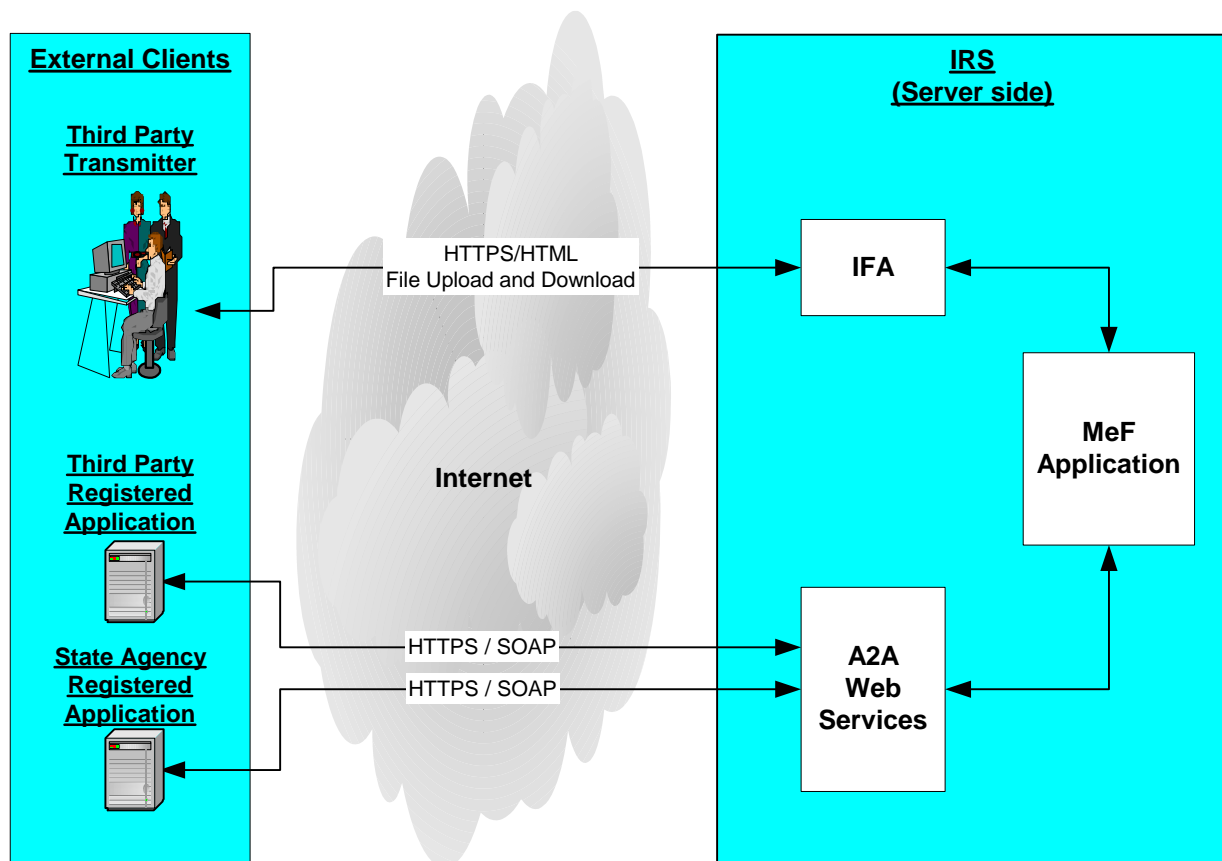


Figure 1-1. MeF Interface Overview

1.2 Business Rules

There are a number of business rules governing the usage of the two channels as summarized in the table below.

	IFA	A2A
IRS Submissions	Yes	Yes
State Submissions	Yes	Yes

- A transmitter can submit IRS submissions, state submissions, and IRS EO submissions with request for redacted copies for states via the A2A Web Services and IFA channels.
- Acknowledgements for submissions should be picked up via the same channel that was used to send the submissions.
- A state agency can only use the A2A Web Services to communicate with the MeF system. States are not allowed to use the IFA channel. Therefore, states must retrieve submissions using A2A, even if the transmitter sent the state submission to MeF using IFA.

1.3 Basic SOAP Message Structure

As described earlier, the MeF system uses two channels to exchange SOAP-structured data. The Web Services A2A channel uses SOAP messages, while the IFA channel uses files with SOAP data structure. The following sections describe the basic SOAP message structure for the Web Services A2A channel.

This section describes the logical structure of basic messages with a SOAP Header and SOAP Body blocks within a SOAP message Envelope. A SOAP message contains one SOAP Header and one SOAP Body within one SOAP envelope. The SOAP header contains the Web Services (WS) Addressing (WS-Addressing), WS-Security and MeFHeader elements. The SOAP Body contains the Modernized e-File (MeF) Message elements and attachment information (if any).

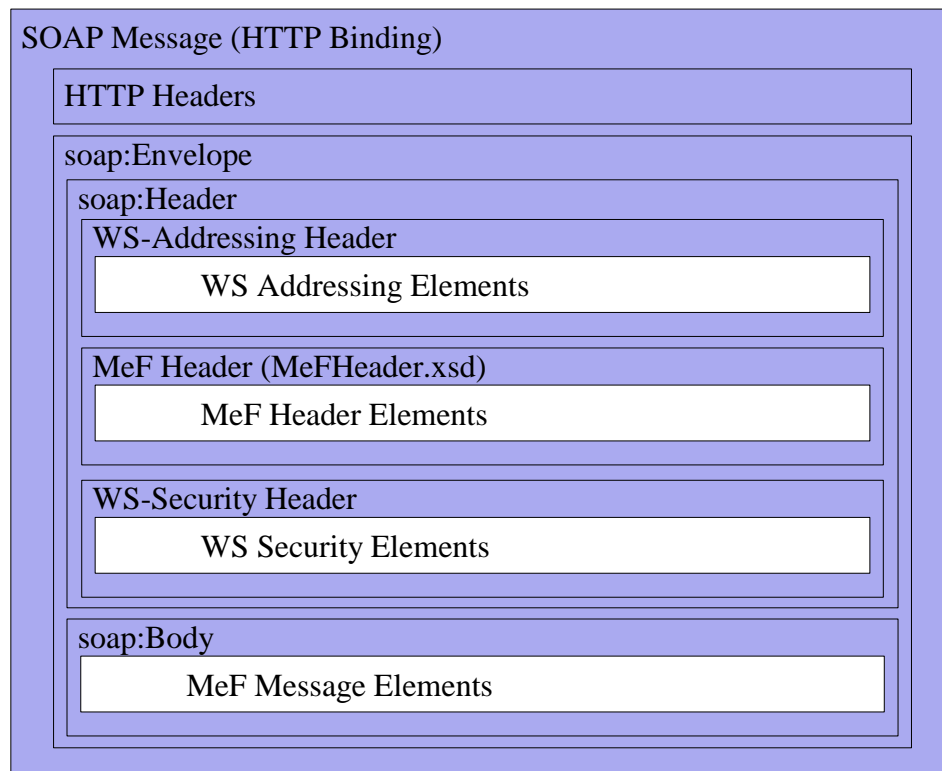


Figure 1-2. MeF Basic SOAP Message for HTTP Binding

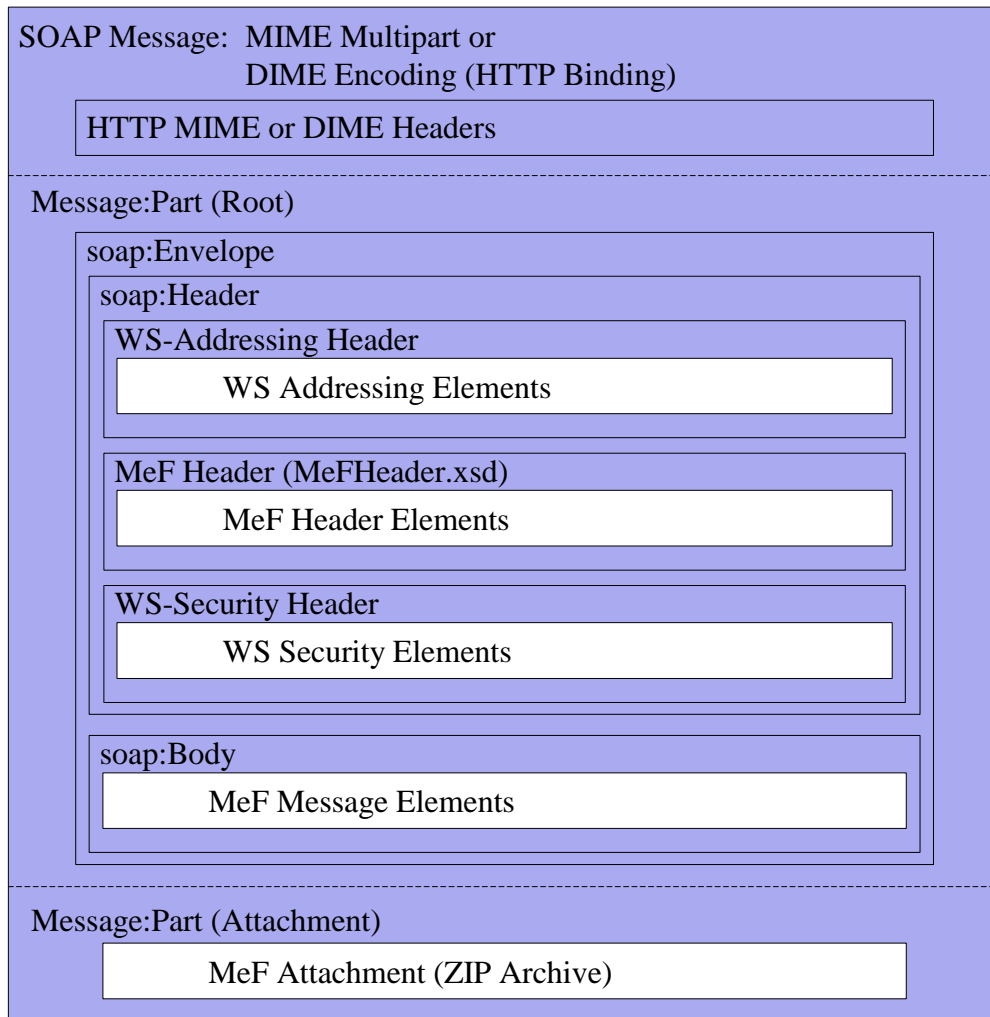


Figure 1-3. MeF Basic SOAP with Attachments Message Structure

1.4 SOAP Header

The SOAP Header specification is to be provided by the state or transmitter application. There are three SOAP Header element structures allowed in SOAP messages on the A2A channel:

- **WS-Addressing**—Provides mechanisms for endpoint-to-endpoint identification in SOAP messages.
- **MeF Header**—Provides elements required for all SOAP messages on the A2A channel.
- **WS-Security**—Provides mechanisms for user identification and assertions in SOAP messages.

1.4.1 WS-Addressing

Web Services Addressing (WS-Addressing) provides transport-neutral mechanisms to address Web services and messages. Specifically, this specification defines XML [XML 1.0, XML

Namespaces] elements to identify Web service endpoints and to secure end-to-end endpoint identification in messages. Sample WS-Addressing elements are presented below.

Please note that none of the MeF services use any of the WS-Addressing elements. The MeFHeader elements contain the required WS-Addressing-like information. Use of WS-Addressing elements is allowed, but they will be ignored by the MeF services.

<!-- WS Addressing Elements -->

```
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing ">
<e:Header>
<wsa:MessageID>uuid:1136bbc2-ee59-11d9-b767-1136bbc1b767</wsa:MessageID>
<wsa:To>http://www.irs.gov/a2a/mef/Login</wsa:To>
<wsa:Action>http://www.irs.gov/a2a/mef/Login</wsa:Action>
<wsa:From>http://www.mycompany.com/myapplication/Login</wsa:From>
```

1.4.2 MeF Header

Every SOAP message to and from an A2A Web service must contain a MeF Header in the SOAP message header. The MeF Header is described in Section 1.6.

1.4.3 WS-Security for All A2A Web Service Users

Web Services Security (WS-Security) provides transport-neutral mechanisms to send security tokens as part of a message, to provide message integrity, and support message confidentiality. Specifically, this specification defines a standard set of SOAP extensions used when building secure Web services to implement message content integrity and confidentiality. The A2A Web services accept WS-Security elements for two types of users:

- Password Authenticated Users
- Strong Authentication Users

Both types of users will be allowed until January, 2009. After that, all A2A users must use Strong Authentication. The WS-Security elements used by the A2A Web services for either type of user are described in subsections that follow. This includes the Security Assertion Markup Language (SAML) assertion and how it is obtained and used. The additional WS-Security elements for Password Authenticated users are described in Section 1.4.4, and the WS-Security elements for Strong Authentication users are described in Section 1.4.5.

1.4.3.1 WS-Security and SAML

The WS-Security profile of Security Assertion Markup Language (SAML) is based on the interaction between a sender and a receiver.

- The sender (a Web Service consumer) obtains a SAML assertion from the receiver (a Web Service provider).
- The sender adds the assertion to a SOAP message within the WS-Security headers.
- The sender sends the SOAP message to the receiver (a Web Service provider).
- The receiver processes the assertion present in the SOAP message.

SAML assertions and references to assertion identifiers are contained in the <wsse:Security> element, which in turn is included in the <SOAP-ENV:Header> element.

1.4.3.2 SAML Component Behavior

The Security token processing rules shall be implemented in the following manner:

1. If a SAML assertion exists, the security token will be extracted from the eXtensible Markup Language (XML) WS-Security Elements.
2. It is expected that most A2A applications will use WS-Security SAML assertions and the MeF shall use the SAML assertion security token for request authentication/validation. However, the A2A applications have the option of using login credentials and not establishing a persistent session for “Get” type service requests. On the other hand, “Send” type service requests containing an inbound attachment require the A2A applications to execute a previous successful Login request and provide the resulting SAML assertion in the request message.

1.4.3.3 SAML Assertion

SAML assertions exchange security information across the Third Party Transmitter or State application and the MeF A2A services. The MeF Login service authenticates a client request and sends back a SAML-based SOAP assertion, which affirms the relying party with the security information to be used for the subsequent MeF A2A service requests. A sample SAML assertion is presented below. Every incoming request with a SAML assertion for either a Password Authenticated or a Strong Authentication user must provide the Username element in the WS-Security UsernameToken to enable validation of the SAML assertion. Every incoming request with a SAML assertion for a Strong Authentication user must also provide the AppSysID element in the MeFHeader containing the same value as the Username in the WS-Security UsernameToken.

<!-- WS Security Elements SAML Assertion -->

```
<wsse:Security
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">
<saml:Assertion MajorVersion="1"
IssueInstant="2005-10-02T16:05:08.319Z"
Issuer="http://www.forumsys.com/sentry"
```



```

AssertionID="id-ed7cc366ecfa256b4fa29b51c047e28381fff999"
MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
<saml:Conditions NotOnOrAfter="2005-10-02T16:20:08.319Z"
  NotBefore="2005-10-02T16:05:08.319Z">
  <saml:DoNotCacheCondition/>
</saml:Conditions>
<saml:AuthenticationStatement AuthenticationInstant="2005-10-02T16:05:08.319Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=xxxxxx,OU=xxxxxx,
      OU=External,OU=Internal Revenue Service,
      OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-
        vouches</saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="xxxxxx"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">
      UID=xxxxxx,OU=xxxxxx,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US
    </saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-
        vouches</saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
    AttributeName="SMSESSION">
    <saml:AttributeValue>
      yl4LdlAmg9lga0SPXeo9BNaEB5xuBsG/c1UF2p29uaUGgy1zGj3Yx6aCNCBwb3s+CQ45o2Mlc8gDGJ
      MKzBHcnjvjcPq3tXK8fsRIIwbwsoi2u/aP3aHvT+nEv8+GnJqDnQvesgXgzOQvuKMtiZW0rSfYglobmZhu
      0z8QA3Z+pM5B3dcCvyNsOQR8bjwpyhp2O8DpfzkYbM14vFubTKgxiOkG56b2gynhBKtk/TlcYx/BfoZ6U
      bx5Mo+qzOMaklzesUJ+KTiAxpJRlJNlqVj+mHjd083+.....
    </saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
</wsse:Security>

```

1.4.4 WS-Security for Password Authenticated Users

WS-Security Password Authentication is the type of authentication used as an option by A2A Web services. Password Authenticated users specify their Application System ID (username) and password in the wsse:UsernameToken elements of the WS-Security portion of the SOAP header. These WS-Security elements for Password Authenticated users are described in the following subsections. **As of January, 2009 Password Authentication will not longer be an option for**

MeF A2A web service users, all users will be required to have a valid X.509 digital security certificate and use Strong Authentication when invoking MeF A2A web services.

1.4.4.1 Application System ID and Password

The Application System ID is the registered system application ID that was assigned to a Third-Party Transmitter system or State during the enrollment process. For Password Authenticated users, the initial password is also assigned during the enrollment process but must be changed by the Application System the first time the Application System logs in to request MeF services. The Application System ID (username) and password are passed in WS-Security tags within the SOAP header. The WS-Security elements are presented below.

Please note that the A2A MeF service requests must use only the Username and Password elements of the WS-Security UsernameToken. No other elements are allowed. Using any other element of the WS-Security UsernameToken will result in an error being returned to the client. Also note that every request from a Password Authenticated user must provide at least the Username element of the WS-Security UsernameToken to enable validation of the incoming SAML assertion, if any.

<!-- WS Security Elements -->

```
<wsse:Security wsse:mustUnderstand="1"
  xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
  xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <wsse:UsernameToken wsu:Id="SecurityToken-0">
    <wsse:Username>username</wsse:Username>
    <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-
      token-profile-1.0#PasswordText">password</wsse:Password>
    <wsse:Nonce>mxSqK8/E3Mk1nNdXnGcG3w==</wsse:Nonce>
    <wsu:Created>2005-07-21T12:32:35Z</wsu:Created>
  </wsse:UsernameToken>
</wsse:Security>
```

} Note: Nonce and Created are not allowed in A2A messages.

1.4.4.2 Password and Expiration Rules for an Application System ID

The existing RUP password rules that are used for the Registered User Portal apply. Refer to IRM 25.10.1, Sub-Sub-Section 25.10.1.6.2.2.2 Password Procedures, for the details on Password Standards and Procedures.

The initial password and the security token are issued by the IRS.

The following example shows a SOAP request with the security information populated with the username and password from an A2A Password Authenticated client.

```
<wsse:Security
  xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
  xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <wsse:UsernameToken>
    <wsse:Username>app-id-username</wsse:Username>
    <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-
      profile-1.0#PasswordText"> app-id-password</wsse:Password>
  </wsse:UsernameToken>
</wsse:Security>
```

1.4.5 WS-Security for Strong Authentication Users

Beginning with MeF Release 4.0, WS-Security Strong Authentication is the type of authentication used by A2A Web services for Strong Authentication users. **As of January, 2009 all users will be required to use Strong Authentication when invoking MeF A2A web services.** Strong Authentication users must have a valid X.509 digital security certificate obtained from an IRS-authorized Certificate Authority (CA) (like VeriSign or EnTrust) and have their certificates stored in the IRS directory by using the Automated Enrollment process. Only those users who have registered with the IRS as Strong Authentication users can use this approach to authenticate their identity when using A2A Web services. Strong Authentication users are authenticated via their X.509 digital certificate in lieu of a password. They do not specify their Application System ID or password in the wsse:UsernameToken elements of the WS-Security header at Login. However, every A2A service request requires the Application System ID of the user. An AppSysID element (mandatory for all service requests from Strong Authentication users) was added to the MeF Header to satisfy this requirement. (See Section 1.6.11 for a description.) Please note that after a successful Login, Strong Authentication users can still use the SAML assertion security token for request authentication/validation (see Section 1.4.3.3 for details).

The following table shows the WS-Security elements contained in a MeF A2A request message from Strong Authentication users and a brief explanation of what each element contains. The sections that follow illustrate the elements using an example EtinRetrieval request message.

Strong Authentication Request Message Elements	
Message Element	Contents/Notes
<wsse:BinarySecurityToken ...>	The X.509 Certificate in Base 64 Binary. It contains the Public Key (and Owner ID and Issuer ID)
<ds:SignedInfo> ... <ds:Reference URI="#....">	<ds:Reference URI=...> indicates the ID of one of the elements in the message which is being signed. For example: A <ds:Reference URI="#myHdr"> indicates that the message element with the ID="myHdr" is being signed by this <ds:Reference URI=...>
<ds:SignedInfo> ... <ds:DigestValue>	<ds:DigestValue> is the Base 64 Binary output of the <ds:DigestMethod Algorithm=...> run on the entire element referenced by the <ds:Reference URI="#...."> (See example below)
<ds:SignatureValue>	Is the digital signature for the <ds:SignedInfo> element. RSA and DSA signatures are allowed. RSA examples are used in this document.

1.4.5.1 WS-Security BinarySecurityToken Element

Below is the illustration of the `wsse:BinarySecurityToken` in an A2A service request for a Strong Authentication user. The `BinarySecurityToken` contains the X.509 Certificate in Base 64 Binary.

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd" ID="myHdr">
      <ns1:MessageID>001232006026123abxyz</ns1:MessageID>
      <ns1:Action>EtinRetrieval</ns1:Action>
      <ns1:Timestamp>2005-10-27T08:55:29.348Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>T</ns1:TestIndicator>
      <ns1:AppSysID>00791234</ns1:AppSysID>
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsse:BinarySecurityToken ValueType="...#X509v3"
        EncodingType="...#Base64Binary" wsu:Id="X509Token">
MIIFQjCCBKugAwIBAgIEN0x5YzANBgkqhkiG9w0BAQUFADCBwzELMAkGA.....6IbEn8
      </wsse:BinarySecurityToken>
      <ds:Signature>
        <ds:SignedInfo>
          <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
          <ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/>
          <ds:Reference URI="#myHdr">
            <ds:Transforms>
              <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
            </ds:Transforms>
            <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
            <ds:DigestValue>qZk+NkcGgWq6PiVxeFDCbJzQ2J0=</ds:DigestValue>
          </ds:Reference>
          <ds:Reference URI="#myBody">
            <ds:Transforms>
              <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
            </ds:Transforms>
            <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
            <ds:DigestValue>hJg+RBw70m66rkqh+VEp5eVGcPE=</ds:DigestValue>
          </ds:Reference>
        </ds:SignedInfo>
        <ds:SignatureValue>dsBeQ9qNXM1yU6BbWdBkSN676inwf+.....87Hs=</ds:SignatureValue>
        <ds:KeyInfo>
          <wsse:SecurityTokenReference>
            <wsse:Reference URI="#X509Token"/>
          </wsse:SecurityTokenReference>
        </ds:KeyInfo>
      </ds:Signature>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body ID="myBody">
    <EtinRetrievalRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
      <TestIndicator>T</TestIndicator>
    </EtinRetrievalRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

wsse:BinarySecurityToken is the X.509 Certificate in Base 64 Binary. It contains the Public Key (and Owner ID and Issuer ID)

1.4.5.2 WS-Security SignedInfo, Reference, DigestValue, and DigestMethod Elements

The `ds:SignedInfo`, `ds:Reference`, `ds:DigestValue`, and `ds:DigestMethod` elements in an A2A service request for a Strong Authentication user are illustrated below. The `SignedInfo` element

contains the **Reference** and **DigestValue** elements. The **Reference** element references the ID attribute of the one of the elements in the message which is being signed. The element in question is normally either the MeF Header or the SOAP Body. The **DigestValue** element contains the Base 64 Binary output of the **DigestMethod** algorithm run on the entire element referenced by the **Reference** element.

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd" ID="myHdr">
      <ns1:MessageID>001232006026123abxyz</ns1:MessageID>
      <ns1:Action>EtinRetrieval</ns1:Action>
      <ns1:Timestamp>2005-10-27T08:55:29.348Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>T</ns1:TestIndicator>
      <ns1:AppSysID>00791234</ns1:AppSysID>
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsse:BinarySecurityToken ValueType="...#X509v3"
        EncodingType="...#Base64Binary" wsu:Id="X509Token">
        MIIFQjCCBKugAwIBAGIEN0x5YZANBgkqhkiG9w0BAQUFAADCBwzELMAkGA...6IbEn8
      </wsse:BinarySecurityToken>
      <ds:Signature>
        <ds:SignedInfo>
          <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
          <ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/>
          <ds:Reference URI="#myHdr">
            <ds:Transforms>
              <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
            </ds:Transforms>
            <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
            <ds:DigestValue>qZk+NkcGgWq6PiVxeFDCbJzQ2J0=</ds:DigestValue>
          </ds:Reference>
          <ds:Reference URI="#myBody">
            <ds:Transforms>
              <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
            </ds:Transforms>
            <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
            <ds:DigestValue>hJg+RBw70m66rkqh+VEp5eVGcPE=</ds:DigestValue>
          </ds:Reference>
        </ds:SignedInfo>
        <ds:SignatureValue>dsBeQ9qNXM1yU6BbWdBkSN676inwf+.....87Hs=</ds:SignatureValue>
        <ds:KeyInfo>
          <wsse:SecurityTokenReference>
            <wsse:Reference URI="#X509Token"/>
          </wsse:SecurityTokenReference>
        </ds:KeyInfo>
      </ds:Signature>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body ID="myBody">
    <EtinRetrievalRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
      <TestIndicator>T</TestIndicator>
    </EtinRetrievalRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

ds:DigestValue is the Base 64 Binary output of the ds:DigestMethod Algorithm run on the entire referenced element

ds:SignedInfo Reference

ds:SignedInfo Reference

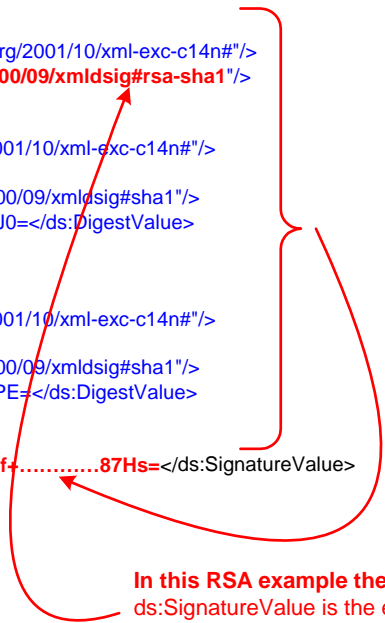
ds:DigestValue is the Base 64 Binary output of the ds:DigestMethod Algorithm run on the entire referenced element

1.4.5.3 WS-Security SignatureValue and SignatureMethod Elements

The **ds:SignatureValue** and **ds:SignatureMethod** elements in an A2A service request for a Strong Authentication user are illustrated below. The **SignatureValue** is the digital signature for the

<ds:SignedInfo> element. RSA and DSA signatures are allowed. RSA examples are used in this document. The **SignatureMethod** specifies the Digest Algorithm (like sha1) used by the RSA signature algorithm.

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd" ID="myHdr">
      <ns1:MessageID>001232006026123abxyz</ns1:MessageID>
      <ns1:Action>EtinRetrieval</ns1:Action>
      <ns1:Timestamp>2005-10-27T08:55:29.348Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>T</ns1:TestIndicator>
      <ns1:AppSysID>00791234</ns1:AppSysID>
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsse:BinarySecurityToken ValueType="...#X509v3"
        EncodingType="...#Base64Binary" wsu:Id="X509Token">
        MIIFQjCCBKugAwIBAgIEN0x5YzANBgkqhkiG9w0BAQUFADCwzELMAkGA...6lBEn8
      </wsse:BinarySecurityToken>
      <ds:Signature>
        <ds:SignedInfo>
          <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
          <ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1" />
          <ds:Reference URI="#myHdr">
            <ds:Transforms>
              <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
            </ds:Transforms>
            <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1" />
            <ds:DigestValue>qZk+NkcGgWq6PiVxeFDCbJzQ2J0=</ds:DigestValue>
          </ds:Reference>
          <ds:Reference URI="#myBody">
            <ds:Transforms>
              <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
            </ds:Transforms>
            <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1" />
            <ds:DigestValue>hJg+RBw70m66rkqh+VEp5eVGcPE=</ds:DigestValue>
          </ds:Reference>
        </ds:SignedInfo>
        <ds:SignatureValue>dsBeQ9qNXM1yU6BbWdBkSN676inwff.....87Hs=</ds:SignatureValue>
      </ds:Signature>
      <ds:KeyInfo>
        <wsse:SecurityTokenReference>
          <wsse:Reference URI="#X509Token" />
        </wsse:SecurityTokenReference>
      </ds:KeyInfo>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body ID="myBody">
    <EtinRetrievalRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
      <TestIndicator>T</TestIndicator>
    </EtinRetrievalRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



In this RSA example the ds:SignatureValue is the entire ds:SignedInfo element run through the Digest Algorithm (like sha1) pre-pended with the digest algorithm header information and encrypted with the private key represented in Base 64 Binary.

1.5 SOAP Body

The SOAP Body contains the request message and any attachment provided by the state or transmitter application. For responses the SOAP body contains the response message and any attachment or a SOAP Fault returned by the service.

1.5.1 Message Attachments Zip File Format

Only a single zip file will be accepted as an attachment sent by a Transmitter or State application and only a single zip file will be returned as an attachment by a service. This zip file attachment is a container zip file compatible with the PKWARE Version 6.2.0 specification that contains one or more data items (submissions, acknowledgements, notifications, statuses or receipts). For Transmitters each data item must always be within its own inner zip file. The inner zip file(s) should be compressed; the outer container zip file must be an uncompressed zip file. For States each data item is just a file within the outer uncompressed zip file.

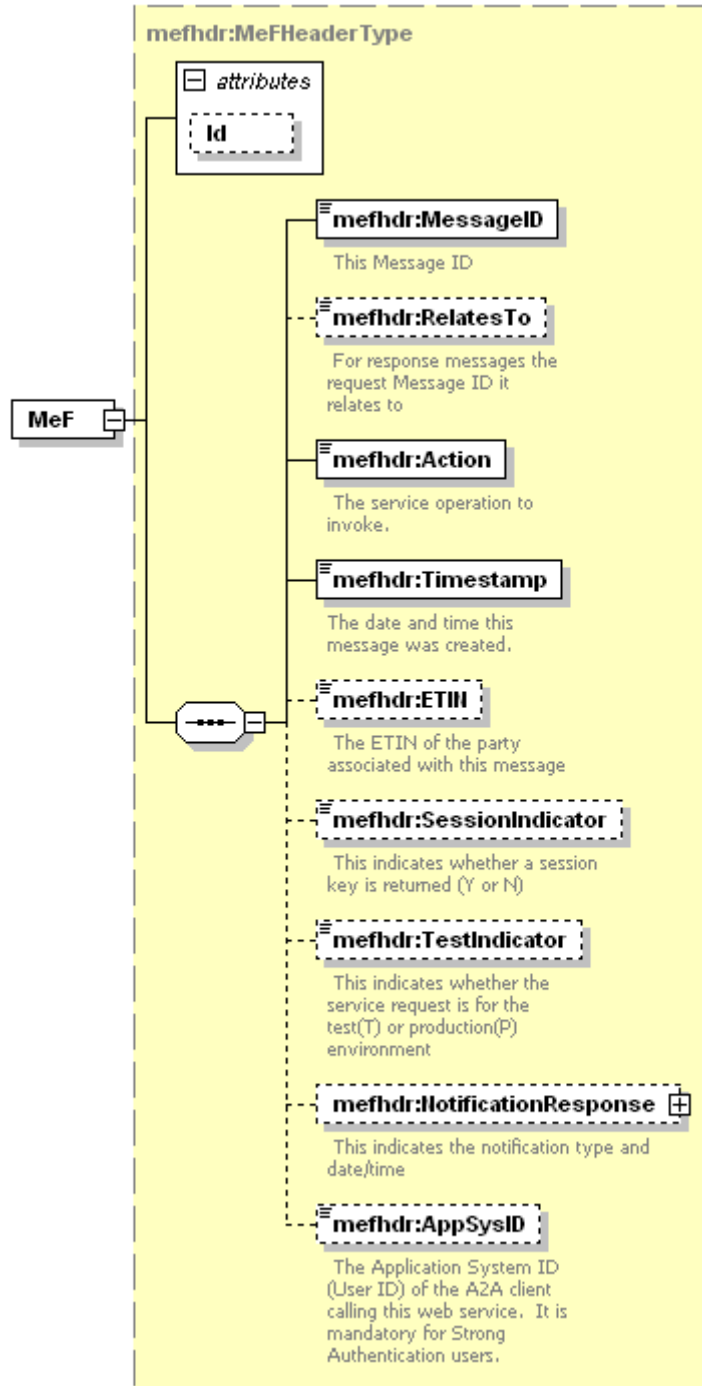
1.5.2 Message Attachments Content Type

The attachments sent by Transmitters and States must have the attachment content type specified as type “application/octet-stream.” The Multimedia Internet Message Extensions (MIME) Web Services Description Language (WSDL) files all specify this in the **mime:content** specification for the attachments. However, the WSDL syntax for Direct Internet Message Encapsulation (DIME) does not allow for such a specification. Nevertheless, when sending in a request that includes an attachment, DIME users must set the attachment content type to “application/octet-stream.”

1.6 MeFHeader Elements

This section describes the elements in the MeFHeader message. Every SOAP message request and response for a Web service from and to a State and Third-Party transmitter on the A2A channel must contain a MeFHeader message in the SOAP message header with the element tag “MeF”. The elements in the MeFHeader message are illustrated below. The individual elements are described in the sections that follow.

diagram



namespace <http://www.irs.gov/a2a/mef/MeFHeader.xsd>

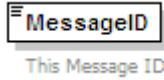
type [mefhdr:MeFHeaderType](#)

children [mefhdr:MessageID](#) [mefhdr:RelatesTo](#) [mefhdr:Action](#) [mefhdr:Timestamp](#) [mefhdr:ETIN](#) [mefhdr:SessionIndicator](#) [mefhdr:TestIndicator](#) [mefhdr:NotificationResponse](#) [mefhdr:AppSysID](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
source	Id	xs:ID	optional			

1.6.1 element MeFHeaderType/MessageID

The MessageID element is mandatory. All request and response messages must have a globally unique MessageID provided by the message source.

diagram	
type	mefhdr:HeaderMessageIDType
properties	isRef 0 content simple
facets	pattern [0-9]{12}[a-z0-9]{8}[E R D]?
annotation	documentation This Message ID
source	<pre><xs:element name="MessageID" type="mefhdr:HeaderMessageIDType"> <xs:annotation> <xs:documentation> This Message ID </xs:documentation> </xs:annotation> </xs:element> <xs:simpleType name="HeaderMessageIDType"> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{12}[a-z0-9]{8}[E R D]?"/> </xs:restriction> </xs:simpleType></pre>

Message ID

There are three types of messages to consider: request messages, response messages, and error messages. The message ID formats are specified as follows.

Request Message ID

To ensure the global uniqueness of a message ID, the following format is adopted for the request messages sent to the MeF system:

ETIN + ccyddd + xxxxxxxx

For example:

Request message ID: 001302006073a2345any

The first five digits (00130) contain the Electronic Transmitter Identification Number (ETIN), the next four digits (2006) contain the year, the next three digits (073) contain the Julian date, and the last eight characters (a2345any) contain a lowercase alphanumeric sequence to uniquely identify messages sent within a day with the given ETIN. The total number of characters of the request message ID is 20.

Response Message ID

For response messages sent from the MeF system, the following format is adopted for the message ID:

Request Message ID + "R"

For example:

Response message ID: 001302006073a2345anyR

The total number of characters of the response message ID is 21.

Error Message ID

For error messages sent from the MeF system, the following format is adopted for the message ID:

Request Message ID + "E"

For example:

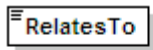
Response message ID: 001302006073a2345anyE

The total number of characters of the error message ID is 21.

1.6.2 element MeFHeaderType/RelatesTo

This element can be used to allow members in a Web Services engagement—either requesters or responders—to deliver a complex chain of messages between two, three, or more services by positively indicating that they are part of the same thread. The RelatesTo element is optional and is not applicable to the initial message of a thread. All other messages of a thread must contain the RelatesTo element with the MessageID of the initial message.

diagram

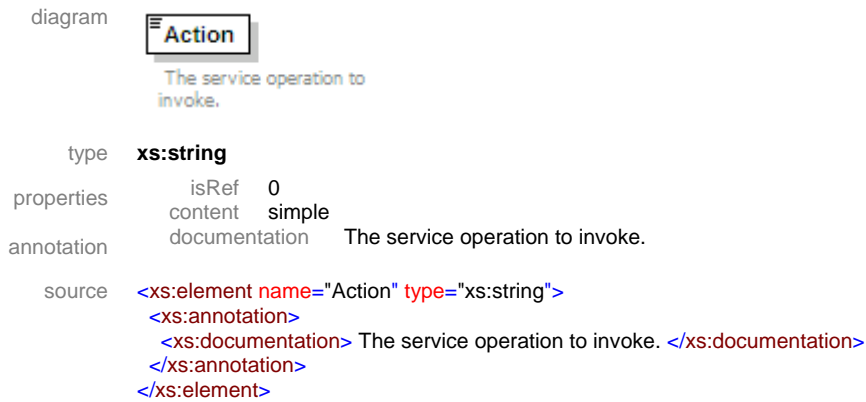


For response messages the request Message ID it relates to

type	mefhdr:HeaderMessageIdType	
properties	isRef	0
	content	simple
facets	pattern	[0-9]{12}[a-z0-9]{8}[E R D]?
annotation	documentation	For response messages the request Message ID it relates to
source	<pre><xs:element name="RelatesTo" type="mefhdr:HeaderMessageIdType" minOccurs="0"> <xs:annotation> <xs:documentation> For response messages the request Message ID it relates to </xs:documentation> </xs:annotation> </xs:element> <xs:simpleType name="HeaderMessageIdType"> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{12}[a-z0-9]{8}[E R D]?" /> </xs:restriction> </xs:simpleType></pre>	

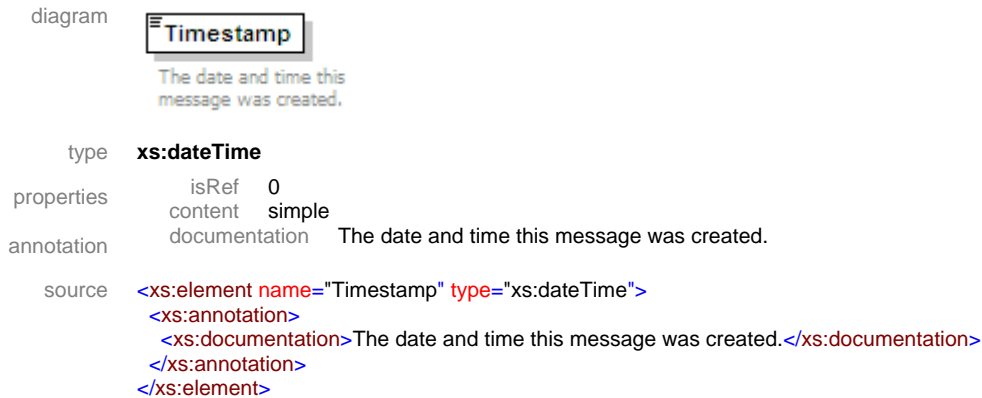
1.6.3 element MeFHeaderType/Action

The Action element is mandatory. The action element identifies the Web service endpoints to be used for end-to-end endpoint identification in messages. For all service requests, this element must match the service at the URL invoked. The Action element can contain the actual URL invoked, the SOAP Action, or just the service name. For example, if invoking the URL <https://la.www4.irs.gov/a2a/mef/Login>, then the Action element could be “<https://la.www4.irs.gov/a2a/mef/Login>”, or “<http://www.irs.gov/a2a/mef/Login>”, or “Login”.



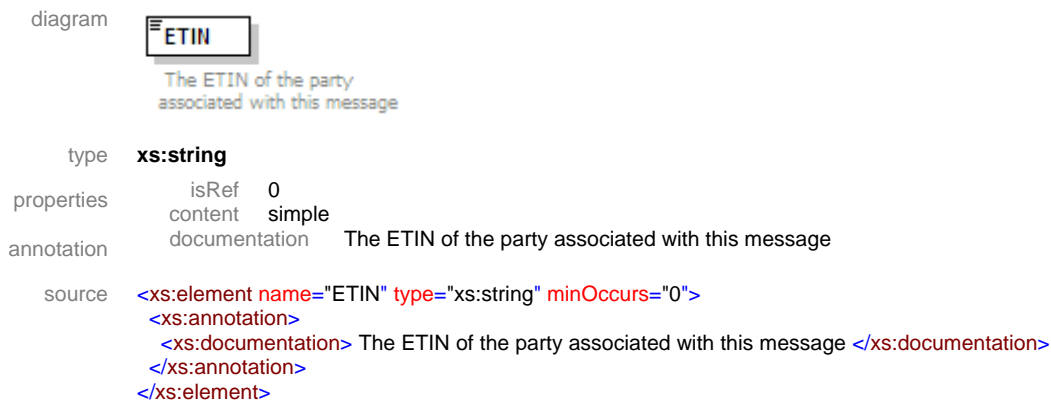
1.6.4 Element MeFHeaderType/Timestamp

The Timestamp element is mandatory. The Timestamp element identifies the Web service date and time of message creation.



1.6.5 element MeFHeaderType/ETIN

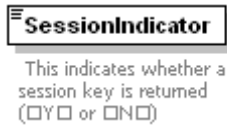
The ETIN element identifies the electronic transmitter identification number of the transmitter who sends the request message. The ETIN element is optional. It is not applicable to the InitialLogin, Login, ChangePassword, or Logout services. However, it is required for all other service requests.



1.6.6 element MeFHeaderType/SessionIndicator

The SessionIndicator element indicates whether the service request should return an open session (SAML assertion) for the request or close the session at the end of the service (no SAML). The expected values are “Y” (to indicate that an open persistent session should be established) or “N” (to indicate that the session should be closed [logged out] at the end of the service). The SessionIndicator element is optional because it is not applicable to the Logout service. However, it is required for all other services and for the InitialLogin service it must always be set to “N”.

diagram

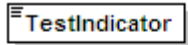


type	mefhdr:SessionIndicatorType
properties	isRef 0 content simple
annotation	documentation This indicates whether a session key is returned (“Y” or “N”)
source	<pre> <xs:element name="SessionIndicator" type="mefhdr:SessionIndicatorType" minOccurs="0"> <xs:annotation> <xs:documentation> This indicates whether a session key is returned (“Y” or “N”) </xs:documentation> </xs:annotation> </xs:element> <xs:simpleType name="SessionIndicatorType"> <xs:restriction base="xs:string"> <xs:enumeration value="Y"/> <xs:enumeration value="N"/> </xs:restriction> </xs:simpleType> </pre>

1.6.7 element MeFHeaderType/TestIndicator

The TestIndicator element identifies if the request is a production request or an ATS (test) request. The expected values are “P” (to indicate that this is a production request) or “T” (to indicate that this is an ATS (test) request). The TestIndicator element is optional because it is not applicable to the InitialLogin, Login, ChangePassword, or Logout services. However, it is required for all other service requests.

diagram



This indicates whether the service request is for the test(T) or production(P) environment

type [mefhdr:TestIndicatorType](#)

properties isRef 0
content simple

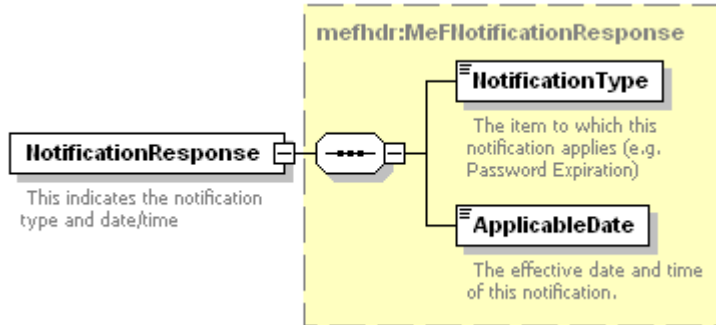
annotation documentation This indicates whether the service request is for the test(T) or production(P) environment

```
source <xs:element name="TestIndicator" type="mefhdr:TestIndicatorType" minOccurs="0">
  <xs:annotation>
    <xs:documentation> This indicates whether the service request is for the test(T) or production(P) environment
  </xs:documentation>
  </xs:annotation>
</xs:element>
<xs:simpleType name="TestIndicatorType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="T"/>
    <xs:enumeration value="P"/>
  </xs:restriction>
</xs:simpleType>
```

1.6.8 element MeFHeaderType/NotificationResponse

The optional NotificationResponse element is used to communicate secondary information back to the Third Party or State applications. It is intended for use on response messages only, not on input requests. This information is not necessarily directly related to the request. For example, it is used to notify the application that the password will expire after some number of days.

diagram



type	mefhdr:MeFNotificationResponse
properties	isRef 0 content complex
children	NotificationType ApplicableDate
annotation	documentation This indicates the notification type and date/time
source	<pre><xs:element name="NotificationResponse" type="mefhdr:MeFNotificationResponse" minOccurs="0"> <xs:annotation> <xs:documentation> This indicates the notification type and date/time </xs:documentation> </xs:annotation> </xs:element></pre>

1.6.9 element MeFNotificationResponse/NotificationType

The NotificationType element is used to communicate secondary information back to the Third Party or State applications (e.g., “Password Expires in 6 days”).

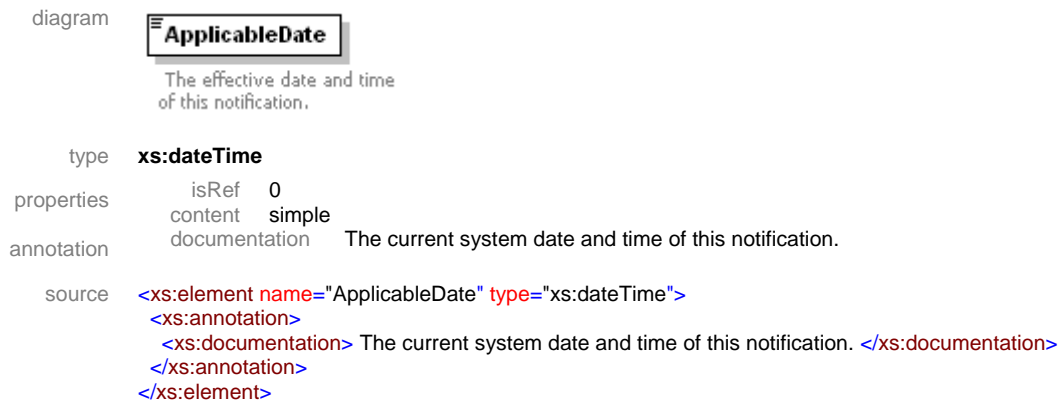
diagram



type	xs:string
properties	isRef 0 content simple
annotation	documentation The item to which this notification applies (e.g. Password Expires in 6 days)
source	<pre><xs:element name="NotificationType" type="xs:string"> <xs:annotation> <xs:documentation> The item to which this notification applies (e.g. Password Expires in 6 days) </xs:documentation> </xs:annotation> </xs:element></pre>

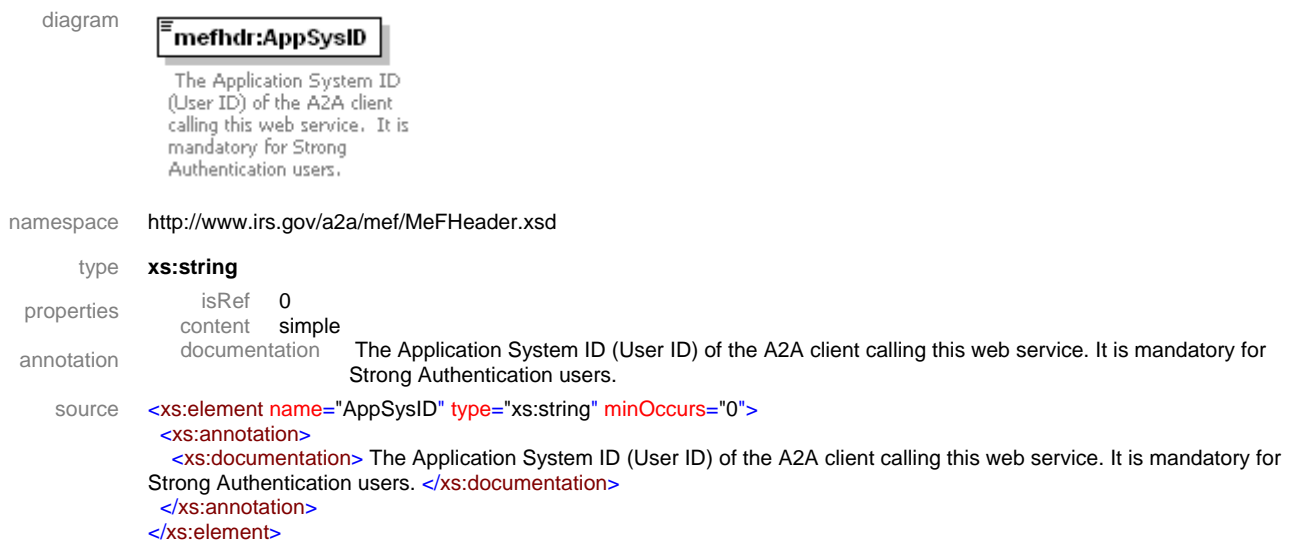
1.6.10 element MeFNotificationResponse/ApplicableDate

The ApplicableDate element is used to communicate the date and time of the notification back to the Third Party or State applications. It is always the current system date and time.



1.6.11 element MeFHeaderType/AppSysID

The AppSysID element identifies the Application System ID (username) of the A2A client calling this web service. The AppSysID element is optional. It is not required for password authenticated users. However, it is mandatory for all requests from Strong Authentication users and therefore will be required as of January, 2009.



1.6.12 attribute Id

The Id attribute is used with Strong Authentication to identify the MeF Header referenced in a SignedInfo/Reference used to generate a XML digital signature DigestValue. It is optional and only applicable to requests from Strong Authentication users. It is required in signed requests. It is optional in requests authenticated by SAML token or by username/password.

1.7 MeF A2A Web Services Summary

The MeF A2A services are divided into 5 classifications:

- **Modernized System Infrastructure (MSI) Services**
 - InitialLogin *, Login, Logout, ChangePassword *, EtinRetrieval, EtinStatus, GetStateParticipantsList

Note: * Not valid for Strong Authentication users
- **State Services DIME**
 - GetNewSubmissions, GetSubmissionsByMsgID, GetSubmissions, GetSubmission, SendSubmissionReceipts, SendAcks, GetNewAckNotifications, GetAckNotifications, GetAckNotification, GetSubmissionReconciliationList
- **State Services MIME**
 - GetNewSubmissions, GetSubmissionsByMsgID, GetSubmissions, GetSubmission, SendSubmissionReceipts, SendAcks, GetNewAckNotifications, GetAckNotifications, GetAckNotification, GetSubmissionReconciliationList
- **Transmitter Services DIME**
 - SendSubmissions, GetNewAcks, GetAcksByMsgID, GetAcks, GetAck, GetNewSubmissionsStatus, GetSubmissionsStatus, GetSubmissionStatus
- **Transmitter Services MIME**
 - SendSubmissions, GetNewAcks, GetAcksByMsgID, GetAcks, GetAck, GetNewSubmissionsStatus, GetSubmissionsStatus, GetSubmissionStatus

The URL addresses for accessing the services from the client applications on the A2A channel are in Table 1-1 below.

Table 1-1 MeF A2A Web Services URLs

MeF A2A Services URLs
MSI Services
https://la.www4.irs.gov/a2a/mef/ChangePassword
https://la.www4.irs.gov/a2a/mef/EtinRetrieval
https://la.www4.irs.gov/a2a/mef/EtinStatus
https://la.www4.irs.gov/a2a/mef/GetStateParticipantsList
https://la.www4.irs.gov/a2a/mef/InitialLogin
https://la.www4.irs.gov/a2a/mef/Logout
https://la.www4.irs.gov/a2a/mef/Login
State Services DIME
https://la.www4.irs.gov/a2a/mef/dime/GetNewSubmissions
https://la.www4.irs.gov/a2a/mef/dime/GetSubmissionsByMsgID
https://la.www4.irs.gov/a2a/mef/dime/GetSubmissions
https://la.www4.irs.gov/a2a/mef/dime/GetSubmission
https://la.www4.irs.gov/a2a/mef/dime/SendSubmissionReceipts
https://la.www4.irs.gov/a2a/mef/dime/SendAcks
https://la.www4.irs.gov/a2a/mef/dime/GetNewAckNotifications
https://la.www4.irs.gov/a2a/mef/dime/GetAckNotifications
https://la.www4.irs.gov/a2a/mef/dime/GetAckNotification
https://la.www4.irs.gov/a2a/mef/dime/GetSubmissionReconciliationList
State Services MIME
https://la.www4.irs.gov/a2a/mef/mime/GetNewSubmissions
https://la.www4.irs.gov/a2a/mef/mime/GetSubmissionsByMsgID
https://la.www4.irs.gov/a2a/mef/mime/GetSubmissions
https://la.www4.irs.gov/a2a/mef/mime/GetSubmission
https://la.www4.irs.gov/a2a/mef/mime/SendSubmissionReceipts
https://la.www4.irs.gov/a2a/mef/mime/SendAcks
https://la.www4.irs.gov/a2a/mef/mime/GetNewAckNotifications
https://la.www4.irs.gov/a2a/mef/mime/GetAckNotifications
https://la.www4.irs.gov/a2a/mef/mime/GetAckNotification
https://la.www4.irs.gov/a2a/mef/mime/GetSubmissionReconciliationList
Transmitter Services DIME
https://la.www4.irs.gov/a2a/mef/dime/SendSubmissions
https://la.www4.irs.gov/a2a/mef/dime/GetNewAcks
https://la.www4.irs.gov/a2a/mef/dime/GetAcksByMsgID
https://la.www4.irs.gov/a2a/mef/dime/GetAcks
https://la.www4.irs.gov/a2a/mef/dime/GetAck

https://la.www4.irs.gov/a2a/mef/dime/GetNewSubmissionsStatus
https://la.www4.irs.gov/a2a/mef/dime/GetSubmissionsStatus
https://la.www4.irs.gov/a2a/mef/dime/GetSubmissionStatus
https://la.www4.irs.gov/a2a/mef/dime/GetNew2290Schedule1s
https://la.www4.irs.gov/a2a/mef/dime/Get2290Schedule1sByMsgID
https://la.www4.irs.gov/a2a/mef/dime/Get2290Schedule1s
https://la.www4.irs.gov/a2a/mef/dime/Get2290Schedule1
Transmitter Services MIME
https://la.www4.irs.gov/a2a/mef/mime/SendSubmissions
https://la.www4.irs.gov/a2a/mef/mime/GetNewAcks
https://la.www4.irs.gov/a2a/mef/mime/GetAcksByMsgID
https://la.www4.irs.gov/a2a/mef/mime/GetAcks
https://la.www4.irs.gov/a2a/mef/mime/GetAck
https://la.www4.irs.gov/a2a/mef/mime/GetNewSubmissionsStatus
https://la.www4.irs.gov/a2a/mef/mime/GetSubmissionsStatus
https://la.www4.irs.gov/a2a/mef/mime/GetSubmissionStatus
https://la.www4.irs.gov/a2a/mef/mime/GetNew2290Schedule1s
https://la.www4.irs.gov/a2a/mef/mime/Get2290Schedule1sByMsgID
https://la.www4.irs.gov/a2a/mef/mime/Get2290Schedule1s
https://la.www4.irs.gov/a2a/mef/mime/Get2290Schedule1

The following table lists of the interface messages for each service.

MeF Service Request & Response Messages for A2A	
MSI Services Messages	
ChangePasswordRequestMessage ChangePasswordResponseMessage EtinRetrievalRequestMessage EtinRetrievalResponseMessage EtinStatusRequestMessage EtinStatusResponseMessage GetStateParticipantsListRequestMessage GetStateParticipantsListResponseMessage InitialLoginRequestMessage InitialLoginResponseMessage LoginRequestMessage LoginResponseMessage LogoutRequestMessage LogoutResponseMessage MeFFaultMessage	
State Services Messages	Transmitter Services Messages
GetAckNotificationRequest GetAckNotificationResponse GetAckNotificationsRequest GetAckNotificationsResponse GetNewAckNotificationsRequest GetNewAckNotificationsResponse	GetAckRequest GetAckResponse GetAcksRequest GetAcksResponse GetAcksByMsgIDRequest GetAcksByMsgIDResponse

GetNewSubmissionsRequest GetNewSubmissionsResponse GetSubmissionRequest GetSubmissionResponse GetSubmissionsRequest GetSubmissionsResponse GetSubmissionsByMsgIDRequest GetSubmissionsByMsgIDResponse SendAcksRequest SendAcksResponse SendSubmissionReceiptsRequest SendSubmissionReceiptsResponse GetSubmissionReconciliationListRequest GetSubmissionReconciliationListResponse MeFException	GetNewAcksRequest GetNewAcksResponse GetNewSubmissionsStatusRequest GetNewSubmissionsStatusResponse GetSubmissionsStatusRequest GetSubmissionsStatusResponse GetSubmissionsStatusResponse GetSubmissionStatusRequest SendSubmissionsRequest SendSubmissionsResponse MeFException
---	--

The style used in the following sections to describe the A2A services warrants explanation. Each service section begins with a service description indicating the service intent, the request message and response message elements and what conditions will result in an error being returned. The subsections that follow contain diagrams illustrating the message elements and sub-elements for the requests, responses and exceptions (errors). For example:

Section 1.7.1.2 describes the Login service, the request and response message elements and the error response.

Subsection 1.7.1.2.1 illustrates the Login Request message elements.

Subsection 1.7.1.2.2 illustrates the Login Response message elements.

Subsection 1.7.1.2.3 illustrates MeF Exception (error) message elements.

1.7.1 Modernized System Infrastructure (MSI) Services

The following table contains the summary of the services, bindings, ports, and SOAP messages for all the A2A web services provided directly by the MSI.

services	bindings	porttypes	messages
ChangePassword	ChangePassword	ChangePassword	ChangePasswordRequestMessage
EtinRetrieval	EtinRetrieval	EtinRetrieval	ChangePasswordResponseMessage
EtinStatus	EtinStatus	EtinStatus	EtinRetrievalRequestMessage
GetStateParticipantsList	GetStateParticipantsList	GetStateParticipantsList	EtinRetrievalResponseMessage
InitialLogin	InitialLogin	InitialLogin	EtinStatusRequestMessage
Login	Login	Login	EtinStatusResponseMessage
Logout	Logout	Logout	GetStateParticipantsListRequestMessage
			GetStateParticipantsListResponseMessage
			InitialLoginRequestMessage
			InitialLoginResponseMessage
			LoginRequestMessage
			LoginResponseMessage
			LogoutRequestMessage
			LogoutResponseMessage
			MeFFaultMessage

1.7.1.1 Initial Login

Both States and Third-Party transmitters using Password Authentication will be required to perform a first-time login to initialize each originating application system ID. This will be accomplished using an infrastructure Web Service designed to perform this task. This service is not applicable to Strong Authentication users and therefore will no longer be valid beginning in January, 2009. During the A2A enrollment process the initial password and confirmation token were assigned to the system ID by the IRS. Both the initial password and confirmation token are case sensitive text strings. The initial password was provided to the customer via a telephone conversation with the customer's authorized representative. The confirmation token was provided to the customer via an acceptance letter mailed (or faxed) to customer's authorized representative. The requesting system will provide the system ID and initial password obtained during the A2A enrollment process in the wsse:Security portion of the SOAP header. The requesting system will also provide the initial password, confirmation token, and new password in the Initial Login Request message within the SOAP body and must also set the SessionIndicator in the MeFHeader message in the SOAP header to "N". After the authentication is completed, the password change will be automatically performed during the service request. If the authentication and the password change are completed successfully, future login requests must use the new password supplied in the Initial Login Request message. If successful, an InitialLoginResponse message is returned in the SOAP body of the response message. If the authentication or the password change fails, a SOAP error message is returned to the requesting system.

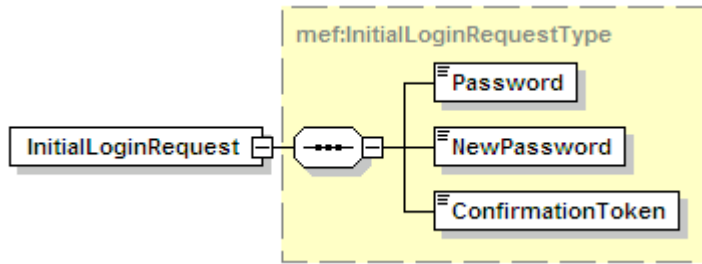
```

type tns:InitialLogin
extensibility <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
operations
  InitialLogin
    Extensibility <soap:operation soapAction="http://www.irs.gov/a2a/mef/InitialLogin"/>
    Input <soap:body parts="InitialLogin" use="literal"/><soap:header
      message="tns:InitialLoginRequestMessage" part="MeFHeader" use="literal"/>
    output <soap:body parts="InitialLoginResponse" use="literal"/><soap:header
      message="tns:InitialLoginResponseMessage" part="MeFHeader" use="literal"/>
used by Service InitialLogin in Port InitialLogin
source <wsdl:binding name="InitialLogin" type="tns:InitialLogin">
  <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="InitialLogin">
    <soap:operation soapAction="http://www.irs.gov/a2a/mef/InitialLogin"/>
    <wsdl:input>
      <soap:body parts="InitialLogin" use="literal"/>
      <soap:header message="tns:InitialLoginRequestMessage" part="MeFHeader" use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap:body parts="InitialLoginResponse" use="literal"/>
      <soap:header message="tns:InitialLoginResponseMessage" part="MeFHeader" use="literal"/>
    </wsdl:output>
    <wsdl:fault name="fault">
      <soap:fault name="fault" use="literal"/>
    </wsdl:fault>
  </wsdl:operation>
</wsdl:binding>

```

1.7.1.1.1 element InitialLoginRequest

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:InitialLoginRequestType](#)

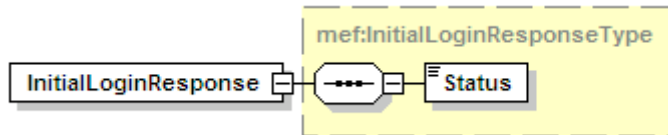
properties content complex

children [Password](#) [NewPassword](#) [ConfirmationToken](#)

source `<xs:element name="InitialLoginRequest" type="mef:InitialLoginRequestType"/>`

1.7.1.1.2 element InitialLoginResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:InitialLoginResponseType](#)

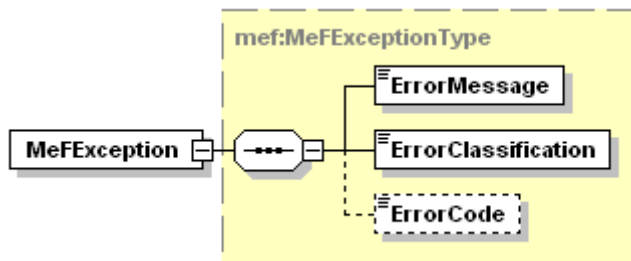
properties content complex

children [Status](#)

source `<xs:element name="InitialLoginResponse" type="mef:InitialLoginResponseType"/>`

1.7.1.1.3 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:MeFExceptionType](#)

properties content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

source `<xs:element name="MeFException" type="mef:MeFExceptionType"/>`

1.7.1.2 Login

Both States and the Third Party transmitters will need to login to the system in order to invoke any other service requests. This will be accomplished using the infrastructure login Web Service. Password Authenticated users must specify their Application System ID and password in the wsse:Security portion of the SOAP header and an empty LoginRequest message tag in the SOAP body. Strong Authentication users must specify their Application System ID in the AppSysID element of the MeF Header and their **BinarySecurityToken, and Signature** (containing the **SignatureValue**) in the wsse:Security portion of the SOAP header along with an empty LoginRequest message tag in the SOAP body. If the authentication is successful, a LoginResponse message is returned in the SOAP body of the response message. If the authentication is successfully completed and the SessionIndicator is set to “Y” in the MeFHeader message within the SOAP header, a session token is created and returned in the SOAP header of the response message. If authentication fails, a SOAP error message will be returned to the requesting system.

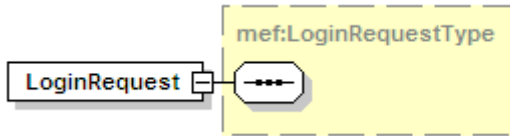
```

type tns:Login
extensibility <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
operations
  Login
  extensibility <soap:operation soapAction="http://www.irs.gov/a2a/mef/Login"/>
  input <soap:body parts="Login" use="literal"/><soap:header message="tns:LoginRequestMessage"
  part="MeFHeader" use="literal"/>
  output <soap:body parts="LoginResponse" use="literal"/><soap:header
  message="tns:LoginResponseMessage" part="MeFHeader" use="literal"/>
used by Service Login in Port Login
source <wsdl:binding name="Login" type="tns:Login">
  <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="Login">
    <soap:operation soapAction="http://www.irs.gov/a2a/mef/Login"/>
    <wsdl:input>
      <soap:body parts="Login" use="literal"/>
      <soap:header message="tns:LoginRequestMessage" part="MeFHeader" use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap:body parts="LoginResponse" use="literal"/>
      <soap:header message="tns:LoginResponseMessage" part="MeFHeader" use="literal"/>
    </wsdl:output>
    <wsdl:fault name="fault">
      <soap:fault name="fault" use="literal"/>
    </wsdl:fault>
  </wsdl:operation>
</wsdl:binding>

```

1.7.1.2.1 element LoginRequest

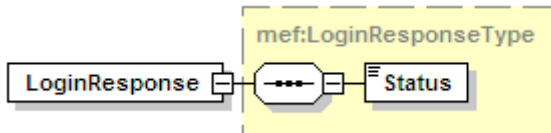
diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>
 type [mef:LoginRequestType](#)
 properties content complex
 source `<xs:element name="LoginRequest" type="mef:LoginRequestType"/>`

1.7.1.2.2 element LoginResponse

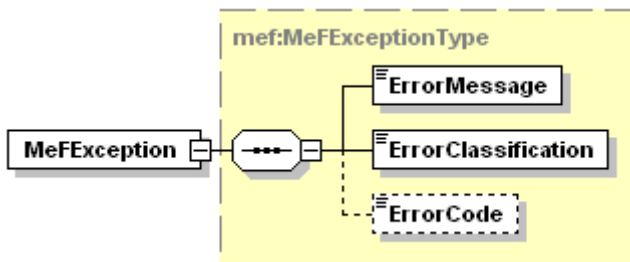
diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>
 type [mef:LoginResponseType](#)
 properties content complex
 children [Status](#)
 source `<xs:element name="LoginResponse" type="mef:LoginResponseType"/>`

1.7.1.2.3 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>
 type [mef:MeFExceptionType](#)
 properties content complex
 children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)
 source `<xs:element name="MeFException" type="mef:MeFExceptionType"/>`

1.7.1.3 Logout

Both States and Third-Party transmitters will have authorization to programmatically request a logout Web Service to end a persistent session using an infrastructure Web Service designed to perform this task. Password Authenticated users must specify their Application System ID in the wsse:Security portion of the SOAP header and the session key in the wsse:Security portion of the SOAP header and an empty LogoutRequest message tag in the SOAP body. Strong Authentication users must specify their Application System ID in the AppSysID element of the MeF Header and the session key in the wsse:Security portion of the SOAP header and an empty LogoutRequest message tag in the SOAP body. If the requesting session is successfully terminated, a successful LogoutResponse message will be returned to the requestor in the SOAP body indicating that the session was terminated. Otherwise, a SOAP error message will be returned to the requesting system.

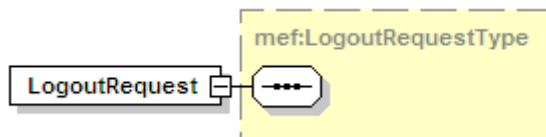
```

type tns:Logout
extensibility <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
operations
  Logout
  Extensibility <soap:operation soapAction="http://www.irs.gov/a2a/mef/Logout"/>
  Input <soap:body parts="Logout" use="literal"/><soap:header
  message="tns:LogoutRequestMessage" part="MeFHeader" use="literal"/>
  output <soap:body parts="LogoutResponse" use="literal"/><soap:header
  message="tns:LogoutResponseMessage" part="MeFHeader" use="literal"/>
used by Service Logout in Port Logout
source <wsdl:binding name="Logout" type="tns:Logout">
  <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="Logout">
    <soap:operation soapAction="http://www.irs.gov/a2a/mef/Logout"/>
    <wsdl:input>
      <soap:body parts="Logout" use="literal"/>
      <soap:header message="tns:LogoutRequestMessage" part="MeFHeader" use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap:body parts="LogoutResponse" use="literal"/>
      <soap:header message="tns:LogoutResponseMessage" part="MeFHeader" use="literal"/>
    </wsdl:output>
    <wsdl:fault name="fault">
      <soap:fault name="fault" use="literal"/>
    </wsdl:fault>
  </wsdl:operation>
</wsdl:binding>

```

1.7.1.3.1 element LogoutRequest

diagram



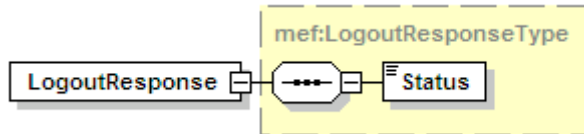
```

namespace http://www.irs.gov/a2a/mef/MeFMSIServices.xsd
type mef:LogoutRequestType
properties content complex
source <xs:element name="LogoutRequest" type="mef:LogoutRequestType"/>

```


1.7.1.3.2 element LogoutResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:LogoutResponseType](#)

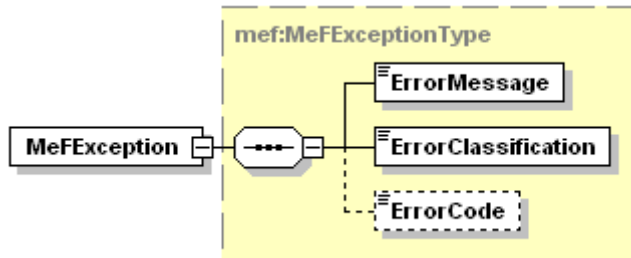
properties content complex

children [Status](#)

source `<xs:element name="LogoutResponse" type="mef:LogoutResponseType"/>`

1.7.1.3.3 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:MeFExceptionType](#)

properties content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

source `<xs:element name="MeFException" type="mef:MeFExceptionType"/>`

1.7.1.4 ChangePassword

Both States and Third-Party transmitters using Password Authentication will have authorization to programmatically request a Web Service to change the password for an originating Application System ID. This service is not applicable to Strong Authentication users and therefore will no longer be valid beginning in January, 2009. The requesting system will provide the Application System ID in the wsse:Security portion of the SOAP header. The requesting system must also already be logged in, have a valid session, and provide the session key in the wsse:Security portion of the SOAP header. The requesting system will also provide a ChangePasswordRequest message (containing the current password and new password) in the SOAP body. If the password is successfully changed, a successful ChangePasswordResponse message will be returned to the requestor in the SOAP body indicating that the password was changed. Otherwise, a SOAP error message will be returned to the requesting system.

type [tns:ChangePassword](#)

extensibility `<soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>`

operations **ChangePassword**

 extensibility `<soap:operation soapAction="http://www.irs.gov/a2a/mef/ChangePassword"/>`

 input `<soap:body parts="ChangePassword" use="literal"/><soap:header message="tns:ChangePasswordRequestMessage" part="MeFHeader" use="literal"/>`

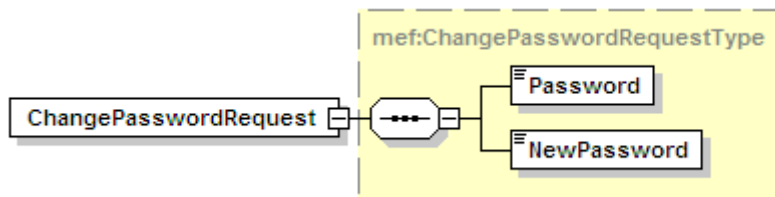
 output `<soap:body parts="ChangePasswordResponse" use="literal"/><soap:header message="tns:ChangePasswordResponseMessage" part="MeFHeader" use="literal"/>`

used by Service [ChangePassword](#) in Port [ChangePassword](#)

source `<wsdl:binding name="ChangePassword" type="tns:ChangePassword">`
`<soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>`
`<wsdl:operation name="ChangePassword">`
`<soap:operation soapAction="http://www.irs.gov/a2a/mef/ChangePassword"/>`
`<wsdl:input>`
`<soap:body parts="ChangePassword" use="literal"/>`
`<soap:header message="tns:ChangePasswordRequestMessage" part="MeFHeader" use="literal"/>`
`</wsdl:input>`
`<wsdl:output>`
`<soap:body parts="ChangePasswordResponse" use="literal"/>`
`<soap:header message="tns:ChangePasswordResponseMessage" part="MeFHeader" use="literal"/>`
`</wsdl:output>`
`<wsdl:fault name="fault">`
`<soap:fault name="fault" use="literal"/>`
`</wsdl:fault>`
`</wsdl:operation>`
`</wsdl:binding>`

1.7.1.4.1 element ChangePasswordRequest

diagram



namespace `http://www.irs.gov/a2a/mef/MeFMSIServices.xsd`

type [mef:ChangePasswordRequestType](#)

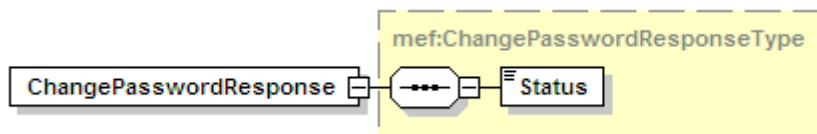
properties content complex

children [Password](#) [NewPassword](#)

source `<xs:element name="ChangePasswordRequest" type="mef:ChangePasswordRequestType"/>`

1.7.1.4.2 element ChangePasswordResponse

diagram



namespace `http://www.irs.gov/a2a/mef/MeFMSIServices.xsd`

type [mef:ChangePasswordResponseType](#)

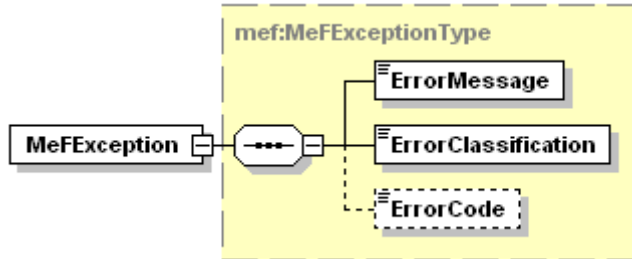
properties content complex

children [Status](#)

source `<xs:element name="ChangePasswordResponse" type="mef:ChangePasswordResponseType"/>`

1.7.1.4.3 element MeFException

diagram



namespace `http://www.irs.gov/a2a/mef/MeFMSIServices.xsd`

type [mef:MeFExceptionType](#)

properties content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

source `<xs:element name="MeFException" type="mef:MeFExceptionType"/>`

1.7.1.5 ETIN Retrieval

Both States and Third-Party transmitters will have authorization to programmatically request a Web Service to retrieve an array of ETINs for the originating Application System ID (specified in the wsse:Security portion of the SOAP header by Password Authenticated users or in the AppSysID element of the MeF Header in the SOAP header by Strong Authentication users). The requesting system will also provide an EtinRetrievalRequest message in the SOAP body with a Test Indicator (“T” or “P”) indicating whether the list of ETINs should be for the Test or Production environment. If successful, the service returns an EtinRetrievalResponse message in the SOAP body containing an array of ETINs, statuses and forms for the Application System ID, or null if no ETINs are found. Otherwise, a SOAP error message will be returned to the requesting system. If the request is for Test ETINs, then ETINs where the ETIN status or Form status indicate Test are returned. If the request is for Production ETINs, only ETINs where both the ETIN status and Form status indicate Production are returned.

type [tns:EtinRetrieval](#)

extensibility `<soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>`

operations **EtinRetrieval**

Extensibility `<soap:operation soapAction="http://www.irs.gov/a2a/mef/EtinRetrieval"/>`

Input `<soap:body parts="EtinRetrieval" use="literal"/><soap:header message="tns:EtinRetrievalRequestMessage" part="MeFHeader" use="literal"/>`

output `<soap:body parts="EtinRetrievalResponse" use="literal"/><soap:header message="tns:EtinRetrievalResponseMessage" part="MeFHeader" use="literal"/>`

used by Service [EtinRetrieval](#) in Port [EtinRetrieval](#)

source `<wsdl:binding name="EtinRetrieval" type="tns:EtinRetrieval">
<soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
<wsdl:operation name="EtinRetrieval">
<soap:operation soapAction="http://www.irs.gov/a2a/mef/EtinRetrieval"/>
<wsdl:input>
<soap:body parts="EtinRetrieval" use="literal"/>
<soap:header message="tns:EtinRetrievalRequestMessage" part="MeFHeader" use="literal"/>
</wsdl:input>`

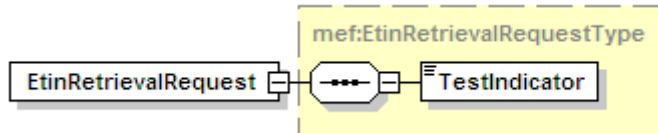
```

<wsdl:output>
  <soap:body parts="EtinRetrievalResponse" use="literal"/>
  <soap:header message="tns:EtinRetrievalResponseMessage" part="MeFHeader" use="literal"/>
</wsdl:output>
<wsdl:fault name="fault">
  <soap:fault name="fault" use="literal"/>
</wsdl:fault>
</wsdl:operation>
</wsdl:binding>

```

1.7.1.5.1 element EtinRetrievalRequest

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:EtinRetrievalRequestType](#)

properties content complex

children [TestIndicator](#)

source `<xs:element name="EtinRetrievalRequest" type="mef:EtinRetrievalRequestType"/>`

simpleType EtinRetrievalRequestType/TestIndicatorType

namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type restriction of **xs:string**

used by element [EtinRetrievalRequestType/TestIndicator](#)

facets enumeration T
enumeration P

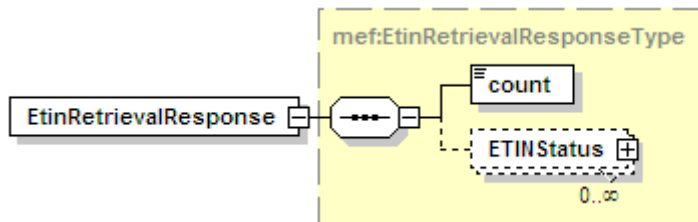
```

<xs:simpleType name="TestIndicatorType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="T"/>
    <xs:enumeration value="P"/>
  </xs:restriction>
</xs:simpleType>

```

1.7.1.5.2 element EtinRetrievalResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:EtinRetrievalResponseType](#)

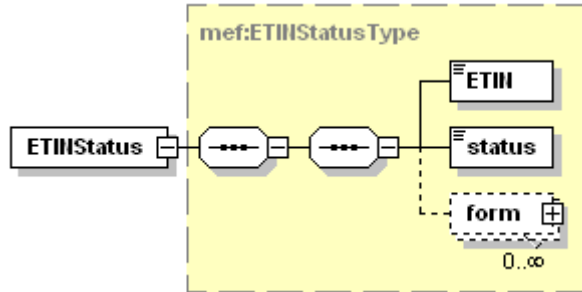
properties content complex

children [count](#) [ETINStatus](#)

source `<xs:element name="EtinRetrievalResponse" type="mef:EtinRetrievalResponseType"/>`

EtinRetrievalResponseType/ETINStatus

diagram



type [mef:ETINStatusType](#)

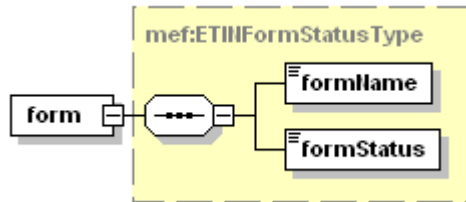
properties isRef 0
content complex

children [ETIN](#) [status](#) [form](#)

source `<xs:element name="ETINStatus" type="mef:ETINStatusType" minOccurs="0" maxOccurs="unbounded"/>`

ETINStatusType/form

diagram



type [mef:ETINFormStatusType](#)

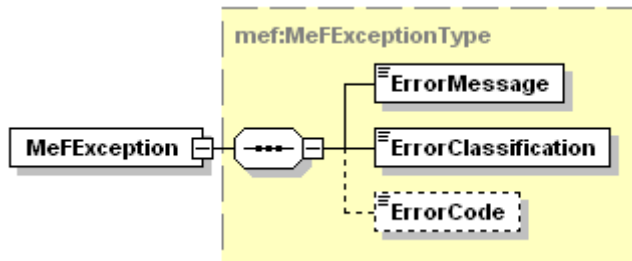
properties isRef 0
content complex

children [formName](#) [formStatus](#)

source `<xs:element name="form" type="mef:ETINFormStatusType" minOccurs="0" maxOccurs="unbounded"/>`

1.7.1.5.3 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:MeFExceptionType](#)

properties content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

source `<xs:element name="MeFException" type="mef:MeFExceptionType"/>`

1.7.1.6 ETIN Status

Both States and Third-Party transmitters will have authorization to programmatically request a Web Service to retrieve the status of an ETIN for an originating Application System ID. The requesting system will provide the Application System ID (specified in the wsse:Security portion of the SOAP header by Password Authenticated users or in the AppSysID element of the MeF Header in the SOAP header by Strong Authentication users) and an EtinStatusRequest message in the SOAP body containing the ETIN. If successful, the service returns an EtinStatusResponse message in the SOAP body containing the ETIN, its status and a list of forms for the requested ETIN, or null if the ETIN is not found. Otherwise, a SOAP error message will be returned to the requesting system.

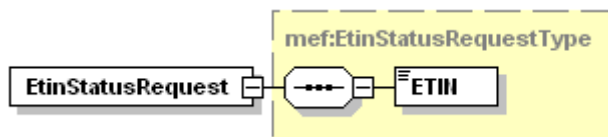
```

type tns:EtinStatus
extensibility <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
operations
  EtinStatus
    Extensibility <soap:operation soapAction="http://www.irs.gov/a2a/mef/EtinStatus"/>
    Input <soap:body parts="EtinStatus" use="literal"/><soap:header
      message="tns:EtinStatusRequestMessage" part="MeFHeader" use="literal"/>
    output <soap:body parts="EtinStatusResponse" use="literal"/><soap:header
      message="tns:EtinStatusResponseMessage" part="MeFHeader" use="literal"/>
used by Service EtinStatus in Port EtinStatus
source <wsdl:binding name="EtinStatus" type="tns:EtinStatus">
  <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="EtinStatus">
    <soap:operation soapAction="http://www.irs.gov/a2a/mef/EtinStatus"/>
    <wsdl:input>
      <soap:body parts="EtinStatus" use="literal"/>
      <soap:header message="tns:EtinStatusRequestMessage" part="MeFHeader" use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap:body parts="EtinStatusResponse" use="literal"/>
      <soap:header message="tns:EtinStatusResponseMessage" part="MeFHeader" use="literal"/>
    </wsdl:output>
    <wsdl:fault name="fault">
      <soap:fault name="fault" use="literal"/>
    </wsdl:fault>
  </wsdl:operation>
</wsdl:binding>

```

1.7.1.6.1 element EtinStatusRequest

diagram



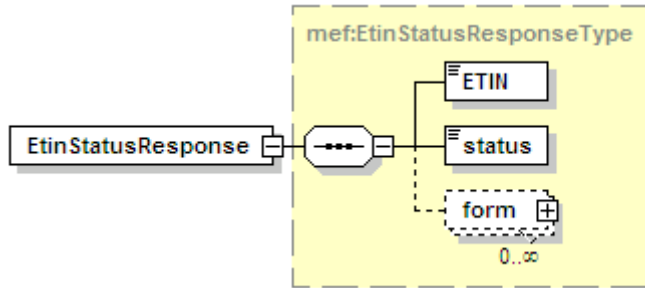
```

namespace http://www.irs.gov/a2a/mef/MeFMSIServices.xsd
type mef:EtinStatusRequestType
properties content complex
children ETIN
source <xs:element name="EtinStatusRequest" type="mef:EtinStatusRequestType"/>

```

1.7.1.6.2 element EtinStatusResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:EtinStatusResponseType](#)

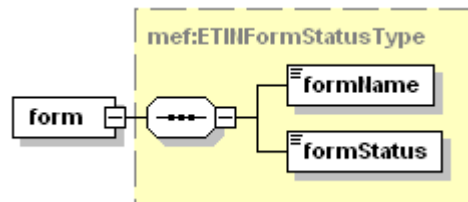
properties content complex

children [ETIN](#) [status](#) [form](#)

source `<xs:element name="EtinStatusResponse" type="mef:EtinStatusResponseType"/>`

ETINStatusResponseType/form

diagram



type [mef:ETINFormStatusType](#)

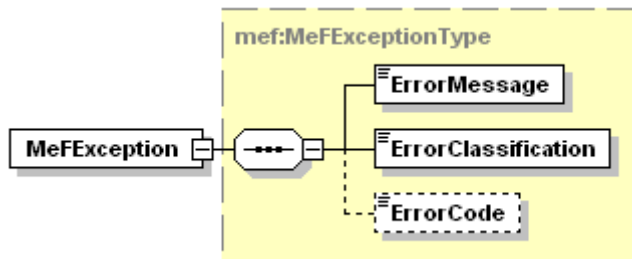
properties isRef 0
content complex

children [formName](#) [formStatus](#)

source `<xs:element name="form" type="mef:ETINFormStatusType" minOccurs="0" maxOccurs="unbounded"/>`

1.7.1.6.3 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:MeFExceptionType](#)

properties content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

source `<xs:element name="MeFException" type="mef:MeFExceptionType"/>`

1.7.1.7 Get State Participants List

Both States and Third-Party transmitters will have authorization to programmatically request a Web Service to retrieve an array of State participants. Even though there are no formal input arguments to this service request, the requestor must provide an empty `GetStateParticipantsListRequest` message tag in the SOAP body. If successful, the service returns a `GetStateParticipantsListResponse` message in the SOAP body containing an array of State names and participant programs (Doing Business As indicators) or null if no State participants are found. Otherwise, a SOAP error message will be returned to the requesting system.

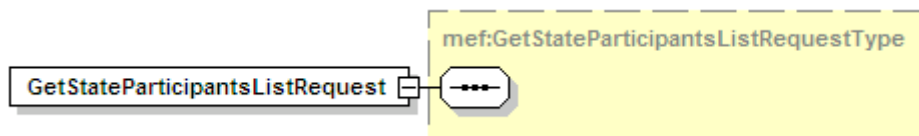
```

type tns:GetStateParticipantsList
extensibility <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
operations
  GetStateParticipantsList
    Extensibility <soap:operation soapAction="http://www.irs.gov/a2a/mef/GetStateParticipantsList"/>
    Input <soap:body parts="GetStateParticipantsList" use="literal"/><soap:header
      message="tns:GetStateParticipantsListRequestMessage" part="MeFHeader" use="literal"/>
    output <soap:body parts="GetStateParticipantsListResponse" use="literal"/><soap:header
      message="tns:GetStateParticipantsListResponseMessage" part="MeFHeader" use="literal"/>
used by Service GetStateParticipantsList in Port GetStateParticipantsList
source <wsdl:binding name="GetStateParticipantsList" type="tns:GetStateParticipantsList">
  <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="GetStateParticipantsList">
    <soap:operation soapAction="http://www.irs.gov/a2a/mef/GetStateParticipantsList"/>
    <wsdl:input>
      <soap:body parts="GetStateParticipantsList" use="literal"/>
      <soap:header message="tns:GetStateParticipantsListRequestMessage" part="MeFHeader" use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap:body parts="GetStateParticipantsListResponse" use="literal"/>
      <soap:header message="tns:GetStateParticipantsListResponseMessage" part="MeFHeader" use="literal"/>
    </wsdl:output>
    <wsdl:fault name="fault">
      <soap:fault name="fault" use="literal"/>
    </wsdl:fault>
  </wsdl:operation>
</wsdl:binding>

```

1.7.1.7.1 element GetStateParticipantsListRequest

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

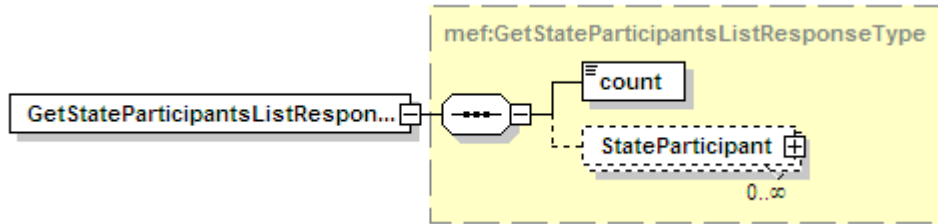
type [mef:GetStateParticipantsListRequestType](#)

properties content complex

source <xs:element name="GetStateParticipantsListRequest" type="mef:GetStateParticipantsListRequestType"/>

1.7.1.7.2 element GetStateParticipantsListResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:GetStateParticipantsListResponseType](#)

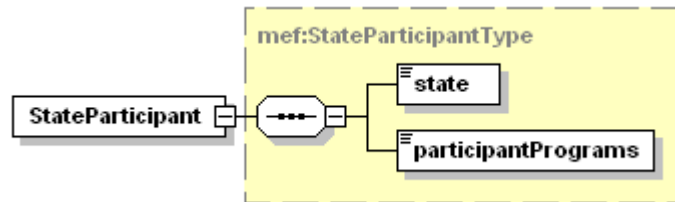
properties content complex

children [count](#) [StateParticipant](#)

source `<xs:element name="GetStateParticipantsListResponse" type="mef:GetStateParticipantsListResponseType"/>`

GetStateParticipantsListResponseType/StateParticipant

diagram



type [mef:StateParticipantType](#)

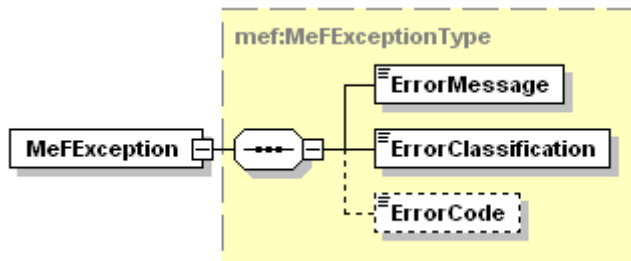
properties isRef 0
content complex

children [state](#) [participantPrograms](#)
state name and Doing Business As indicator

source `<xs:element name="StateParticipant" type="mef:StateParticipantType" minOccurs="0" maxOccurs="unbounded"/>`

1.7.1.7.3 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:MeFExceptionType](#)

properties content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

source `<xs:element name="MeFException" type="mef:MeFExceptionType"/>`

1.7.2 Third Party Transmitter Web Services

The web services pertinent to the Third Party transmitters are described in the following sections. The web service descriptions and SOAP message contents for the MIME (J2EE) and the DIME (.NET) clients are identical except for the attachment transport mechanism. Therefore, a single set of service and message descriptions is applicable to both MIME and DIME clients.

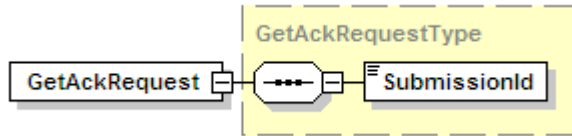
services	bindings	porttypes	messages
GetAck	GetAck	GetAck	GetAckRequest
GetAcks	GetAcks	GetAcks	GetAckResponse
GetAcksByMsgID	GetAcksByMsgID	GetAcksByMsgID	GetAcksByMsgIDRequest
GetNewAcks	GetNewAcks	GetNewAcks	GetAcksByMsgIDResponse
GetNewSubmissionsStatus	GetNewSubmissionsStatus	GetNewSubmissionsStatus	GetAcksRequest
GetSubmissionsStatus	GetSubmissionsStatus	GetSubmissionsStatus	GetAcksResponse
GetSubmissionStatus	GetSubmissionStatus	GetSubmissionStatus	GetNewAcksRequest
SendSubmissions	SendSubmissions	SendSubmissions	GetNewAcksResponse
Get2290Schedule1	Get2290Schedule1	Get2290Schedule1	GetNewSubmissionsStatusRequest
Get2290Schedule1s	Get2290Schedule1s	Get2290Schedule1s	GetNewSubmissionsStatusResponse
Get2290Schedule1sByMsgID	Get2290Schedule1sByMsgID	Get2290Schedule1sByMsgID	GetSubmissionsStatusRequest
GetNew2290Schedule1s	GetNew2290Schedule1s	GetNew2290Schedule1s	GetSubmissionsStatusResponse
			Request
			GetSubmissionStatusRequest
			GetSubmissionStatusResponse
			SendSubmissionsRequest
			SendSubmissionsResponse
			Get2290Schedule1Request
			Get2290Schedule1Response
			Get2290Schedule1sByMsgIDRequest
			Get2290Schedule1sByMsgIDResponse
			Get2290Schedule1sRequest
			Get2290Schedule1sResponse
			GetNew2290Schedule1sRequest
			GetNew2290Schedule1sResponse
			MeFException

1.7.2.1 Get Ack

Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve an acknowledgement for a specified submission ID. The requesting system will provide a GetAckRequest message in the SOAP body containing the submission ID. If successful, the service returns an empty GetAckResponse message tag in the SOAP body and a single zip file attachment containing the acknowledgement. If the submission ID is not found or any other error occurs, a SOAP fault message will be returned to the requesting system.

1.7.2.1.1 element GetAckRequest

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>

type [GetAckRequestType](#)

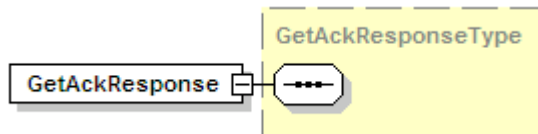
properties content complex

children [SubmissionId](#)

source `<xsd:element name="GetAckRequest" type="GetAckRequestType"/>`

1.7.2.1.2 element GetAckResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>

type [GetAckResponseType](#)

properties content complex

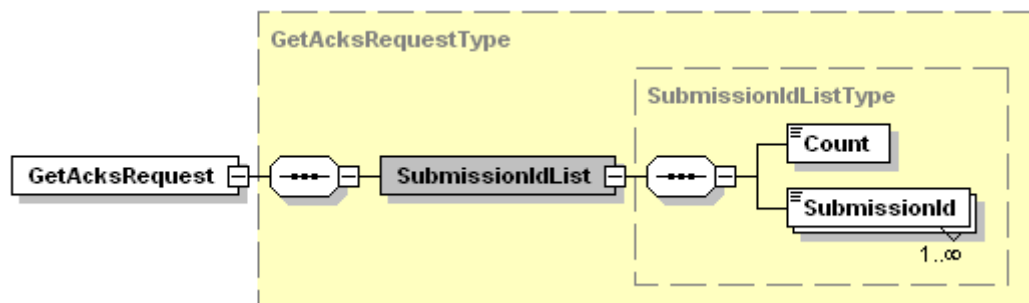
source `<xsd:element name="GetAckResponse" type="GetAckResponseType"/>`

1.7.2.2 Get Acks

Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve acknowledgements for a specified list of submission IDs. The requesting system will provide a `GetAcksRequest` message in the SOAP body containing the count and a list of submission IDs. If successful, the service returns a `GetAcksResponse` message in the SOAP body containing a list of submission errors for any submission IDs from the submission ID list that were not found, and a single zip file attachment containing the acknowledgements. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.2.1 element GetAcksRequest

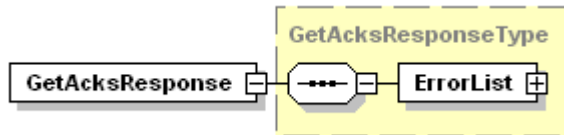
diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>
 type [GetAcksRequestType](#)
 properties content complex
 children [SubmissionIdList](#)
 source `<xsd:element name="GetAcksRequest" type="GetAcksRequestType"/>`

1.7.2.2.2 element GetAcksResponse

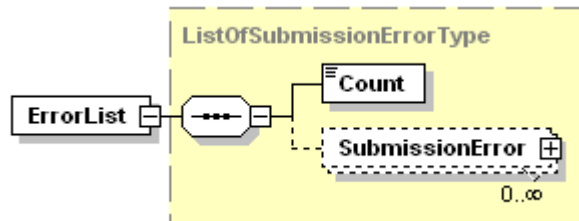
diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>
 type [GetAcksResponseType](#)
 properties content complex
 children [ErrorList](#)
 source `<xsd:element name="GetAcksResponse" type="GetAcksResponseType"/>`

GetAcksResponseType/ErrorList

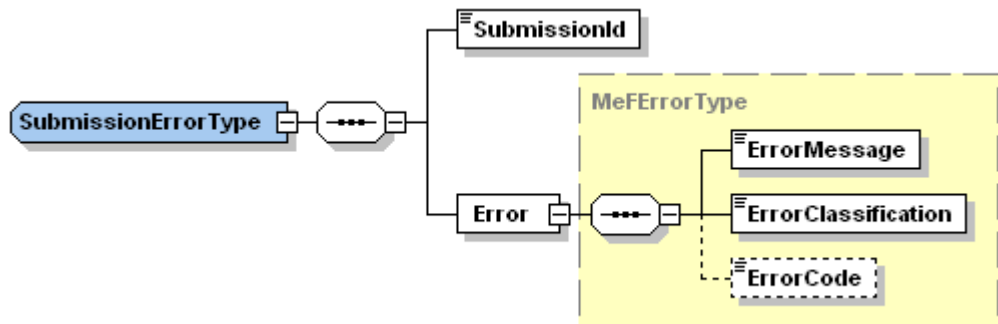
diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>
 type [ListOfSubmissionErrorType](#)
 properties isRef 0 content complex
 children [Count](#) [SubmissionError](#)
 source `<xsd:element name="ErrorList" type="ListOfSubmissionErrorType"/>`

GetAcksResponseType/ErrorList/SubmissionError

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>

children [SubmissionId Error](#)
 used by element [ListOfSubmissionErrorType/SubmissionError](#)
 source

```
<xsd:complexType name="SubmissionErrorType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="SubmissionIdType"/>
    <xsd:element name="Error" type="MeFErrorType"/>
  </xsd:sequence>
</xsd:complexType>
```

1.7.2.3 Get New Acks

Third-Party Transmitters will have authorization to programmatically request a Web Service to retrieve new acknowledgements for a specified category and/or agency. The requesting system will provide a GetNewAcksRequest message in the SOAP body containing the maximum number of results that should be returned (up to 100) and optionally the category and/or agency and the MeFHeader message in the SOAP header containing the ETIN. The requesting system can supply just the MaxResults, the MaxResults and Category, the MaxResults and Agency, or the MaxResults and Category and Agency. If successful, the service returns a GetNewAcksResponse message in the SOAP body containing a Boolean flag indicating if more acknowledgements are available and a single zip file attachment containing the acknowledgements. Otherwise, a SOAP fault error message will be returned to the requesting system. The valid submission categories are:

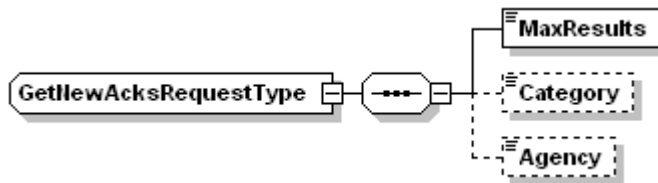
- CORP (Corporations)
- EO (Tax Exempt Organizations)
- PART (Partnerships)
- EXCISE (Excise Tax Form Submissions)
- all (CORP and/or PART and/or EXCISE and/or EO)

NOTE: Any particular ETIN requesting “all” will retrieve acknowledgements for any combination of CORP, PART, EXCISE, and EO depending on the access allowed for that ETIN in the IRS database and the acknowledgements available at the time.

The valid agency types are Federal, State, or both.

1.7.2.3.1 element GetNewAcksRequest

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>
 children [MaxResults](#) [Category](#) [Agency](#)
 used by element [GetNewAcksRequest](#)
 source

```
<xsd:complexType name="GetNewAcksRequestType">
  <xsd:sequence>
    <xsd:element name="MaxResults" type="xsd:positiveInteger"/>
    <xsd:element name="Category" type="CategoryType" minOccurs="0"/>
    <xsd:element name="Agency" type="AgencyType" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
```

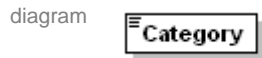
</xsd:sequence>
</xsd:complexType>

GetNewAcksRequestType/MaxResults



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>
 type **xsd:positiveInteger**
 properties isRef 0
 content simple
 source <xsd:element name="MaxResults" type="xsd:positiveInteger"/>

GetNewAcksRequestType/Category



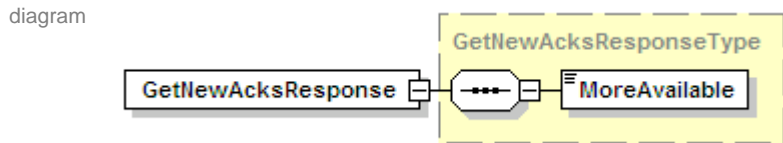
namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>
 type [CategoryType](#)
 properties isRef 0
 content simple
 facets enumeration CORP
 enumeration EO
 enumeration PART
 enumeration EXCISE
 enumeration all
 source <xsd:element name="Category" type="CategoryType" minOccurs="0"/>

GetNewAcksRequestType/Agency



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>
 type [AgencyType](#)
 properties isRef 0
 content simple
 facets enumeration Federal
 enumeration State
 enumeration both
 source <xsd:element name="Agency" type="AgencyType" minOccurs="0"/>

1.7.2.3.2 element GetNewAcksResponse



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>
 type [GetNewAcksResponseType](#)
 properties content complex
 children [MoreAvailable](#)
 source <xsd:element name="GetNewAcksResponse" type="GetNewAcksResponseType"/>

GetNewAcksResponseType/MoreAvailable

diagram 

namespace `http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd`

type `xsd:boolean`

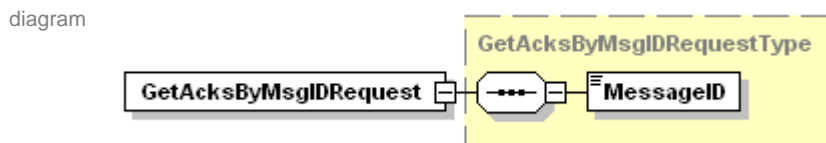
properties `isRef 0`
`content simple`

ssource `<xsd:element name="MoreAvailable" type="xsd:boolean"/>`

1.7.2.4 Get Acks by Message ID

Third-Party Transmitters will have authorization to programmatically request a Web Service to retrieve acknowledgements previously retrieved by a Get New Acks request. The requesting system will provide a GetAcksByMsgIDRequest message in the SOAP body containing the MessageID used in the previous Get New Acks request. If successful, the service returns a GetAcksByMsgIDResponse message in the SOAP body containing a Boolean flag indicating if more acknowledgements are available and a single zip file attachment containing the acknowledgements. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.4.1 element GetAcksByMsgIDRequest



namespace `http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd`

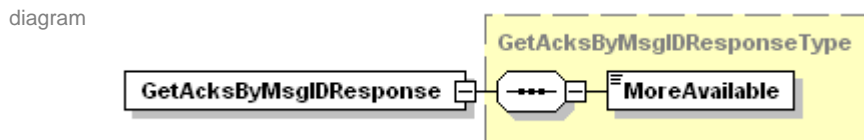
type [GetAcksByMsgIDRequestType](#)

properties `content complex`

children [MessageID](#)

source `<xsd:element name="GetAcksByMsgIDRequest" type="GetAcksByMsgIDRequestType"/>`

1.7.2.4.2 element GetAcksByMsgIDResponse



namespace `http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd`

type [GetAcksByMsgIDResponseType](#)

properties `content complex`

children [MoreAvailable](#)

source `<xsd:element name="GetAcksByMsgIDResponse" type="GetAcksByMsgIDResponseType"/>`

GetAcksByMsgIDResponseType/MoreAvailable

diagram 

namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type **xsd:boolean**

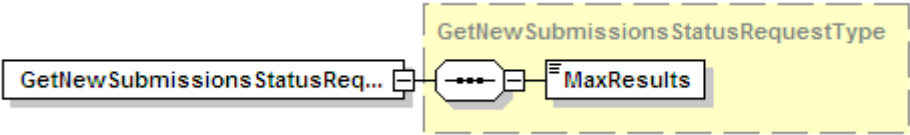
properties isRef 0
content simple

source `<xsd:element name="MoreAvailable" type="xsd:boolean"/>`

1.7.2.5 Get New Submissions Status

Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve new submissions statuses for a particular ETIN. The requesting system will provide a GetNewSubmissionsStatusRequest message in the SOAP body containing the maximum number of results that should be returned (up to 100) and the MeFHeader message in the SOAP header containing the ETIN. If successful, the service returns a GetNewSubmissionsStatusResponse message in the SOAP body containing a Boolean flag indicating if more submissions statuses are available, and a single zip file attachment containing the submission statuses. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.5.1 element GetNewSubmissionsStatusRequest

diagram 

namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

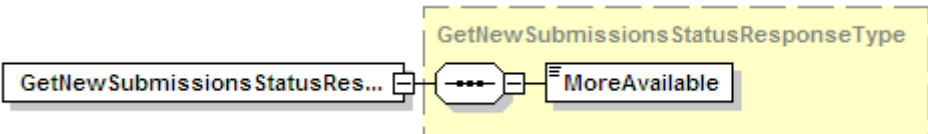
type [GetNewSubmissionsStatusRequestType](#)

properties content complex

children [MaxResults](#)

source `<xsd:element name="GetNewSubmissionsStatusRequest" type="GetNewSubmissionsStatusRequestType"/>`

1.7.2.5.2 element GetNewSubmissionsStatusResponse

diagram 

namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type [GetNewSubmissionsStatusResponseType](#)

properties content complex

children [MoreAvailable](#)

source `<xsd:element name="GetNewSubmissionsStatusResponse" type="GetNewSubmissionsStatusResponseType"/>`

GetNewSubmissionsResponseType/MoreAvailable

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type **xsd:boolean**

properties isRef 0
content simple

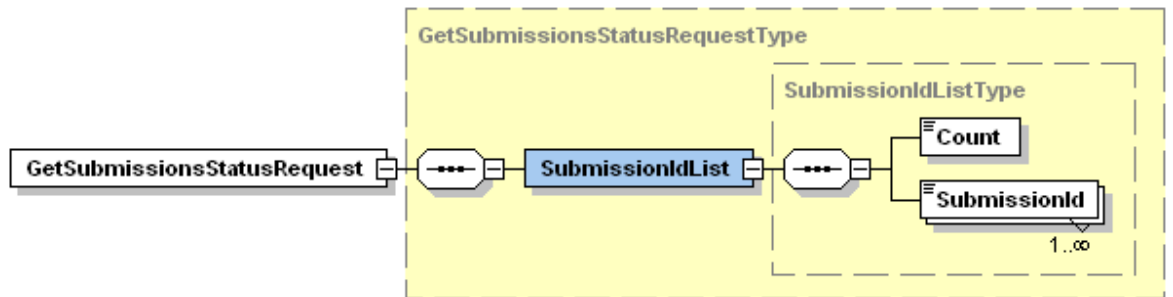
source `<xsd:element name="MoreAvailable" type="xsd:boolean"/>`

1.7.2.6 Get Submissions Status

Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve submissions statuses for a specific set of returns. The requesting system will provide a `GetSubmissionsStatusRequest` message in the SOAP body containing the count and a list of submission IDs. If successful, the service returns a `GetSubmissionsStatusResponse` message in the SOAP body containing a list of submission errors for any submission IDs from the submission ID list that were not found and a single zip file attachment containing the submission statuses. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.6.1 element GetSubmissionsStatusRequest

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type [GetSubmissionsStatusRequestType](#)

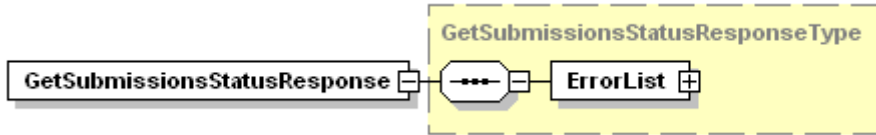
properties content complex

children [SubmissionIdList](#)

source `<xsd:element name="GetSubmissionsStatusRequest" type="GetSubmissionsStatusRequestType"/>`

1.7.2.6.2 element GetSubmissionsStatusResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>

type [GetSubmissionsStatusResponseType](#)

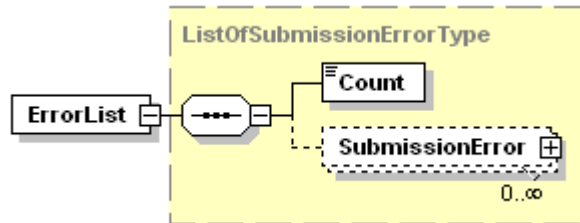
properties content complex

children [ErrorList](#)

source `<xsd:element name="GetSubmissionsStatusResponse" type="GetSubmissionsStatusResponseType"/>`

GetSubmissionsStatusResponseType/ErrorList

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>

type [ListOfSubmissionErrorType](#)

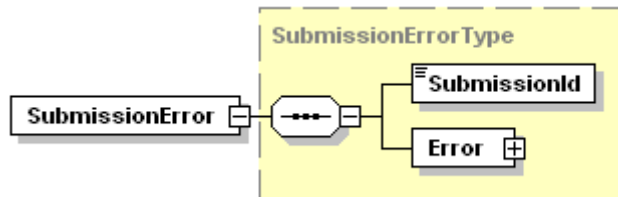
properties isRef 0 content complex

children [Count](#) [SubmissionError](#)

source `<xsd:element name="ErrorList" type="ListOfSubmissionErrorType"/>`

ListOfSubmissionErrorType/SubmissionError

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>

type [SubmissionErrorType](#)

properties isRef 0 content complex

children [SubmissionId](#) [Error](#)

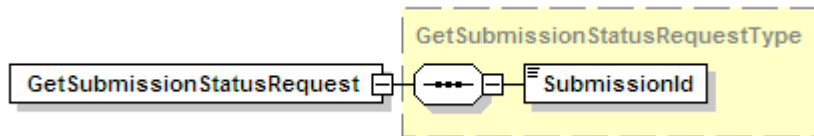
source `<xsd:element name="SubmissionError" type="SubmissionErrorType" maxOccurs="unbounded"/>`

1.7.2.7 Get Submission Status

Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve a submission status for a specific return. The requesting system will provide a `GetSubmissionStatusRequest` message in the SOAP body containing a submission ID. If successful, the service returns an empty `GetSubmissionStatusResponse` tag in the SOAP body and a single zip file attachment containing the submission status. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.7.1 element `GetSubmissionStatusRequest`

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type [GetSubmissionStatusRequestType](#)

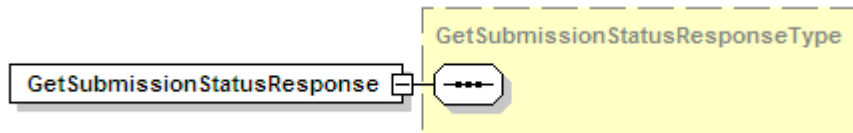
properties content complex

children [SubmissionId](#)

source `<xsd:element name="GetSubmissionStatusRequest" type="GetSubmissionStatusRequestType"/>`

1.7.2.7.2 element `GetSubmissionStatusResponse`

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type [GetSubmissionStatusResponseType](#)

properties content complex

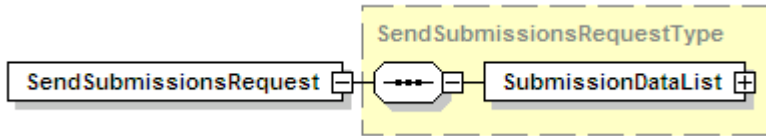
source `<xsd:element name="GetSubmissionStatusResponse" type="GetSubmissionStatusResponseType"/>`

1.7.2.8 Send Submissions

Third Party Transmitters will have authorization to programmatically request a Web Service to send submissions for a specific set of returns. The requesting system will provide a `SendSubmissionsRequest` message in the SOAP body containing the count and a list of submission IDs and a single zip file attachment containing the submissions. The requesting system must also already be logged in, have a valid session, and provide the session key in the `wsse:Security` portion of the SOAP header. If successful, the service returns an empty `SendSubmissionsResponse` tag in the SOAP body, and a single zip file attachment containing a list of submission receipts. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.8.1 element SendSubmissionsRequest

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type [SendSubmissionsRequestType](#)

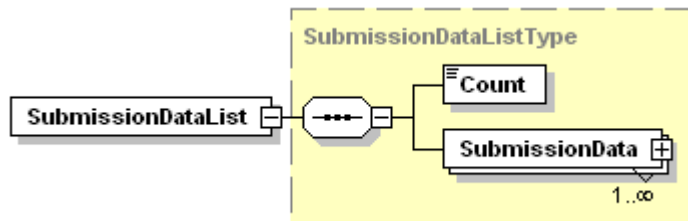
properties content complex

children [SubmissionDataList](#)

source `<xsd:element name="SendSubmissionsRequest" type="SendSubmissionsRequestType"/>`

SendSubmissionsRequestType/SubmissionDataList

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type [SubmissionDataListType](#)

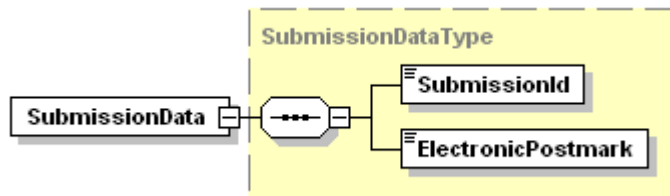
properties isRef 0 content complex

children [Count](#) [SubmissionData](#)

source `<xsd:element name="SubmissionDataList" type="SubmissionDataListType"/>`

SubmissionDataListType/SubmissionData

diagram



namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>

type [SubmissionDataType](#)

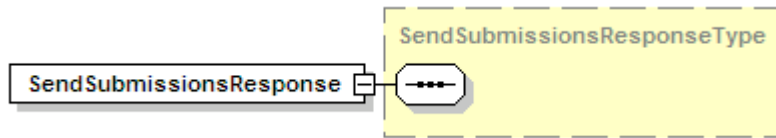
properties isRef 0 content complex

children [SubmissionId](#) [ElectronicPostmark](#)

source `<xsd:element name="SubmissionData" type="SubmissionDataType" maxOccurs="unbounded"/>`

1.7.2.8.2 element SendSubmissionsResponse

Diagram

Namespace <http://www.irs.gov/a2a/mef/MeFTTransmitterService.xsd>Type [SendSubmissionsResponseType](#)

Properties content complex

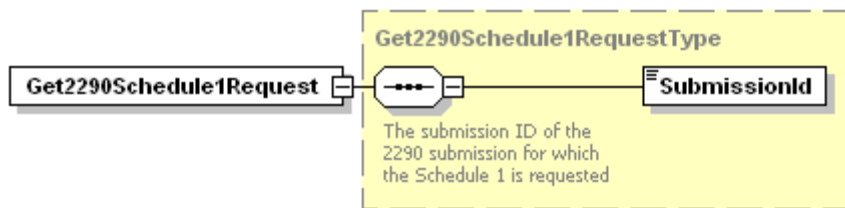
Source `<xsd:element name="SendSubmissionsResponse" type="SendSubmissionsResponseType"/>`

1.7.2.9 Get 2290Schedule1

Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve a form 2290 Schedule1 for a specified submission ID. The requesting system will provide a `Get2290Schedule1Request` message in the SOAP body containing the submission ID. If successful, the service returns an empty `Get2290Schedule1Response` message tag in the SOAP body and a single zip file attachment containing the 2290 Schedule1 form. If the submission ID is not found or any other error occurs, a SOAP fault message will be returned to the requesting system.

1.7.2.9.1 element Get2290Schedule1Request

diagram

namespace <http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd>type [Get2290Schedule1RequestType](#)

properties content complex

children [SubmissionId](#)source `<xsd:element name="Get2290Schedule1Request" type="Get2290Schedule1RequestType"/>`

```

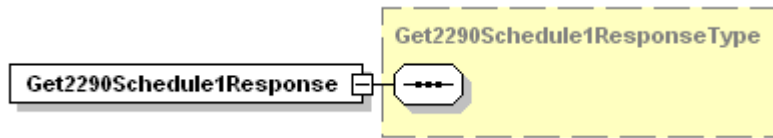
<xsd:complexType name="Get2290Schedule1RequestType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="SubmissionIdType"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="SubmissionIdType">
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="[0-9]{13}[a-z0-9]{7}"/>
  </xsd:restriction>
</xsd:simpleType>

```

1.7.2.9.2 element Get2290Schedule1Response

diagram



namespace <http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd>

type [Get2290Schedule1ResponseType](#)

properties content complex

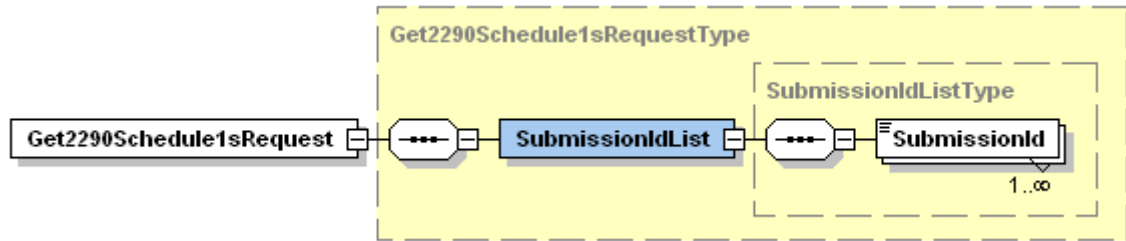
source `<xsd:element name="Get2290Schedule1Response" type="Get2290Schedule1ResponseType"/>`

1.7.2.10 Get 2290Schedule1s

Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve form 2290 Schedule1s for a specified list of submission IDs. The requesting system will provide a `Get2290Schedule1sRequest` message in the SOAP body containing a list of submission IDs. If successful, the service returns a `Get2290Schedule1sResponse` message in the SOAP body containing the count of the number of Schedule 1s included in the response, a list of submission errors for any submission IDs from the submission ID list that were not found and a single zip file attachment containing the 2290Schedule1s. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.10.1 element Get2290Schedule1sRequest

diagram



namespace <http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd>

type [Get2290Schedule1sRequestType](#)

properties content complex

children [SubmissionIdList](#)

source `<xsd:element name="Get2290Schedule1sRequest" type="Get2290Schedule1sRequestType"/>`

```

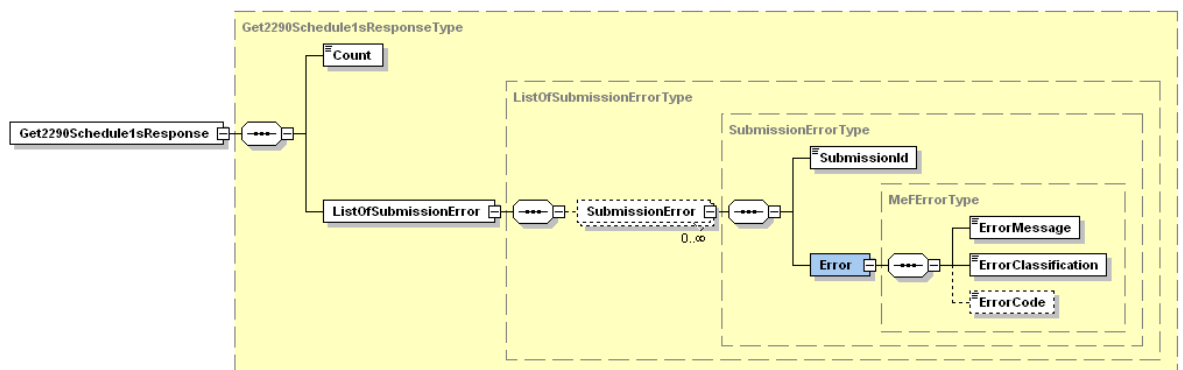
<xsd:complexType name="Get2290Schedule1sRequestType">
  <xsd:sequence>
    <xsd:element name="SubmissionIdList" type="SubmissionIdListType"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SubmissionIdListType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="SubmissionIdType" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="SubmissionIdType">
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="[0-9]{13}[a-z0-9]{7}"/>
  </xsd:restriction>
</xsd:simpleType>
  
```

1.7.2.10.2 element Get2290Schedule1sResponse

diagram



namespace <http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd>

type [Get2290Schedule1sResponseType](#)

properties content complex

children [Count](#) [ListOfSubmissionError](#)

source `<xsd:element name="Get2290Schedule1sResponse" type="Get2290Schedule1sResponseType"/>`

```
<xsd:complexType name="Get2290Schedule1sResponseType">
  <xsd:sequence>
    <xsd:element name="Count" type="xsd:nonNegativeInteger"/>
    <xsd:element name="ListOfSubmissionError" type="ListOfSubmissionErrorType"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ListOfSubmissionErrorType">
  <xsd:sequence>
    <xsd:element name="SubmissionError" type="SubmissionErrorType" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SubmissionErrorType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="SubmissionIdType"/>
    <xsd:element name="Error" type="MeFErrorType"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="SubmissionIdType">
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="[0-9]{13}[a-z0-9]{7}"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="MeFErrorType">
  <xsd:sequence>
    <xsd:element name="ErrorMessage" type="xsd:string"/>
    <xsd:element name="ErrorClassification" type="ErrorClassificationType"/>
    <xsd:element name="ErrorCode" type="xsd:string" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

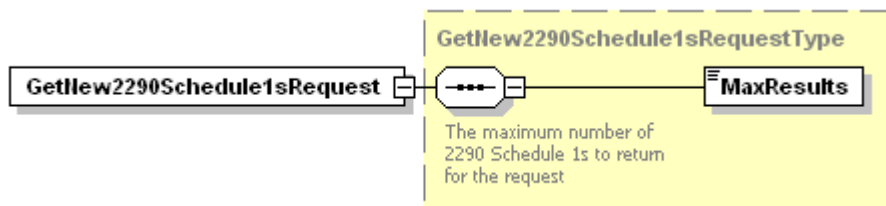
<xsd:simpleType name="ErrorClassificationType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="SYSTEM_ERROR"/>
    <xsd:enumeration value="RESOURCE_UNAVAILBLE"/>
    <xsd:enumeration value="MESSAGE_FORMAT_ERROR"/>
    <xsd:enumeration value="SECURITY_ERROR"/>
    <xsd:enumeration value="REQUEST_ERROR"/>
  </xsd:restriction>
</xsd:simpleType>
```


1.7.2.11 Get New 2290Schedule1s

Third-Party Transmitters will have authorization to programmatically request a Web Service to retrieve new Form 2290 Schedule1s for a specified ETIN. The requesting system will provide a GetNew2290Schedule1sRequest message in the SOAP body containing the maximum number of results that should be returned (up to 100) and the MeFHeader message in the SOAP header containing the ETIN. If successful, the service returns a GetNew2290Schedule1sResponse message in the SOAP body containing the count of the number of Schedule 1s included in the response, a Boolean flag indicating if more Schedule 1s are available, and a single zip file attachment containing the 2290Schedule1s. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.11.1 element GetNew2290Schedule1sRequest

diagram



namespace <http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd>

type [GetNew2290Schedule1sRequestType](#)

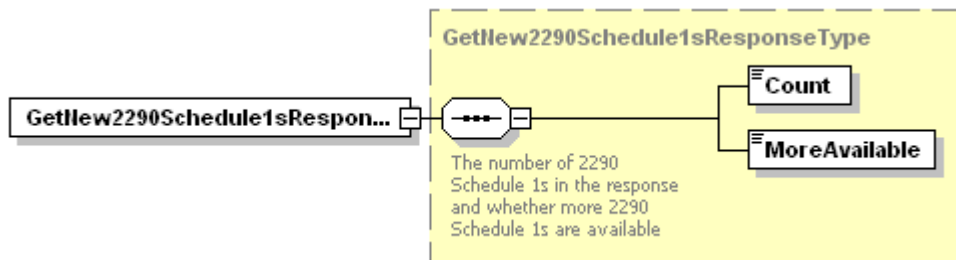
properties content complex

children [MaxResults](#)

source `<xsd:element name="GetNew2290Schedule1sRequest" type="GetNew2290Schedule1sRequestType"/>`

1.7.2.11.2 element GetNew2290Schedule1sResponse

diagram



namespace <http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd>

type [GetNew2290Schedule1sResponseType](#)

properties content complex

children [Count](#) [MoreAvailable](#)

source `<xsd:element name="GetNew2290Schedule1sResponse" type="GetNew2290Schedule1sResponseType"/>`

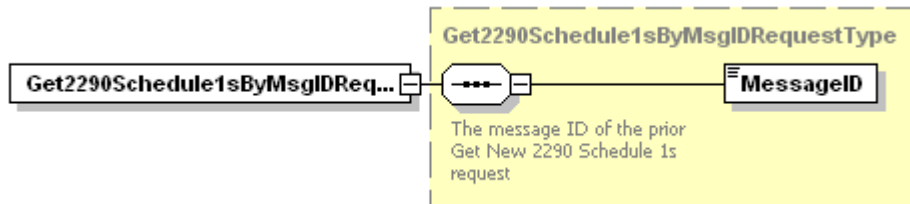
```
<xsd:complexType name="GetNew2290Schedule1sResponseType">
  <xsd:sequence>
    <xsd:element name="Count" type="xsd:nonNegativeInteger"/>
    <xsd:element name="MoreAvailable" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

1.7.2.12 Get 2290Schedule1s by Message ID

Third-Party Transmitters will have authorization to programmatically request a Web Service to retrieve form 2290 Schedule1s previously retrieved by a Get New 2290Schedule1s request. The requesting system will provide a Get2290Schedule1sByMsgIDRequest message in the SOAP body containing the MessageID used in the previous Get New 2290Schedule1s request. If successful, the service returns a Get2290Schedule1sByMsgIDResponse message in the SOAP body containing the count of the number of Schedule 1s included in the response, a Boolean flag indicating if more 2290Schedule1s are available and a single zip file attachment containing the 2290Schedule1s. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.2.12.1 element Get2290Schedule1sByMsgIDRequest

diagram



namespace <http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd>

type [Get2290Schedule1sByMsgIDRequestType](#)

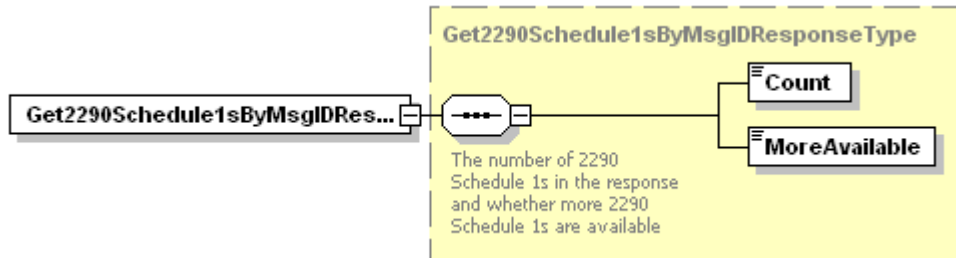
properties content complex

children [MessageID](#)

source `<xsd:element name="Get2290Schedule1sByMsgIDRequest" type="Get2290Schedule1sByMsgIDRequestType"/>`

1.7.2.12.2 element Get2290Schedule1sByMsgIDResponse

diagram



namespace <http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd>

type [Get2290Schedule1sByMsgIDResponseType](#)

properties content complex

children [Count](#) [MoreAvailable](#)

source `<xsd:element name="Get2290Schedule1sByMsgIDResponse" type="Get2290Schedule1sByMsgIDResponseType"/>`

```
<xsd:complexType name=" Get2290Schedule1sByMsgIDResponseType ">
  <xsd:sequence>
    <xsd:element name="Count" type="xsd:nonNegativeInteger"/>
    <xsd:element name="MoreAvailable" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

1.7.3 State Web Services

The web services pertinent to the states are described in the following sections. The web service descriptions and SOAP message contents for the MIME (J2EE) and the DIME (.NET) clients are identical except for the attachment transport mechanism. Therefore, a single set of service and message descriptions is applicable to both MIME and DIME clients.

services

[GetAckNotification](#)
[GetAckNotifications](#)
[GetNewAckNotifications](#)
[GetNewSubmissions](#)
[GetSubmission](#)
[GetSubmissions](#)
[GetSubmissionsByMsgID](#)
[SendAcks](#)
[SendSubmissionReceipts](#)
[GetSubmissionReconciliationList](#)

bindings

[GetAckNotification](#)
[GetAckNotifications](#)
[GetNewAckNotifications](#)
[GetNewSubmissions](#)
[GetSubmission](#)
[GetSubmissions](#)
[GetSubmissionsByMsgID](#)
[SendAcks](#)
[SendSubmissionReceipts](#)
[GetSubmissionReconciliationList](#)

porttypes

[GetAckNotification](#)
[GetAckNotifications](#)
[GetNewAckNotifications](#)
[GetNewSubmissions](#)
[GetSubmission](#)
[GetSubmissions](#)
[GetSubmissionsByMsgID](#)
[SendAcks](#)
[SendSubmissionReceipts](#)
[GetSubmissionReconciliationList](#)

messages

[GetAckNotificationRequest](#)
[GetAckNotificationResponse](#)
[GetAckNotificationsRequest](#)
[GetAckNotificationsResponse](#)
[GetNewAckNotificationsRequest](#)
[GetNewAckNotificationsResponse](#)
[GetNewSubmissionsRequest](#)
[GetNewSubmissionsResponse](#)
[GetSubmissionRequest](#)
[GetSubmissionResponse](#)

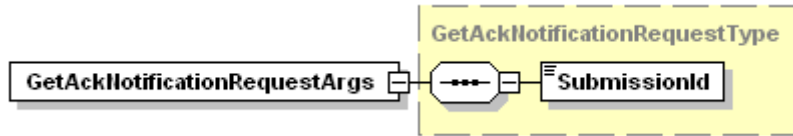
[GetSubmissionsByMsgIDRequest](#)
[GetSubmissionsByMsgIDResponse](#)
[GetSubmissionsRequest](#)
[GetSubmissionsResponse](#)
[SendAcksRequest](#)
[SendAcksResponse](#)
[SendSubmissionReceiptsRequest](#)
[SendSubmissionReceiptsResponse](#)
[GetSubmissionReconciliationListRequest](#)
[GetSubmissionReconciliationListResponse](#)
[MeFException](#)

1.7.3.1 Get Ack Notification

States will have authorization to programmatically request a Web Service to retrieve information as to whether Third-Party transmitters have retrieved the acknowledgements submitted by the states for a specified state return. The requesting system will provide a GetAckNotificationRequestArgs message in the SOAP body containing the submission ID. If successful, the service returns an empty GetAckNotificationResponse message tag in the SOAP body and a single zip file attachment containing the acknowledgement retrieval notification. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.3.1.1 element GetAckNotificationRequestArgs

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetAckNotificationRequestType](#)

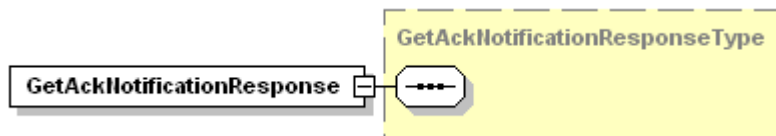
properties content complex

children [SubmissionId](#)

source `<xsd:element name="GetAckNotificationRequestArgs" type="msx:GetAckNotificationRequestType"/>`

1.7.3.1.2 element GetAckNotificationResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetAckNotificationResponseType](#)

properties content complex

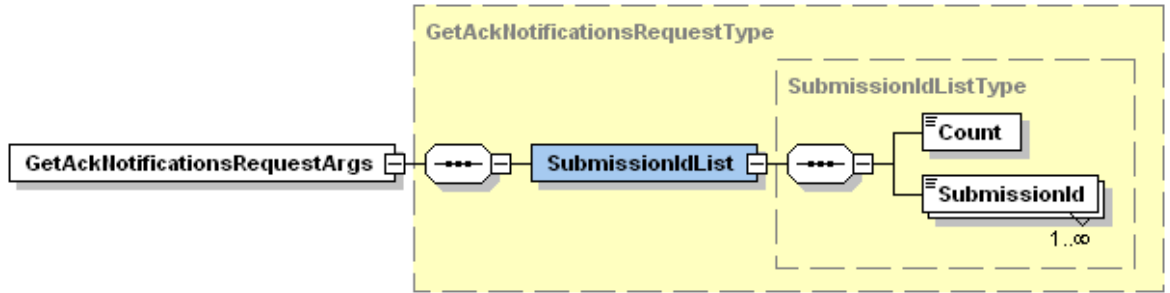
source `<xsd:element name="GetAckNotificationResponse" type="msx:GetAckNotificationResponseType"/>`

1.7.3.2 Get Ack Notifications

States will have authorization to programmatically request a Web Service to retrieve information as to whether Third-Party transmitters have retrieved the acknowledgements submitted by the states for a specified set of state returns. The requesting system will provide a `GetAckNotificationsRequestArgs` message in the SOAP body containing the count and a list of submission IDs. If successful, the service returns a `GetAckNotificationsResponse` message in the SOAP body containing a list of submission errors for any submission IDs from the submission ID list that were not found and a single zip file attachment containing the acknowledgement retrieval notification. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.3.2.1 element GetAckNotificationsRequestArgs

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetAckNotificationsRequestType](#)

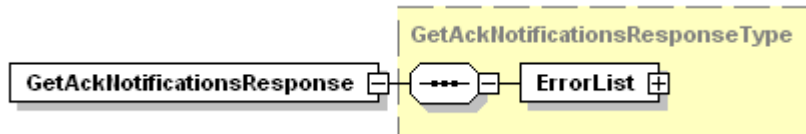
properties content complex

children [SubmissionIdList](#)

source `<xsd:element name="GetAckNotificationsRequestArgs" type="msx:GetAckNotificationsRequestType"/>`

1.7.3.2.2 element GetAckNotificationsResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetAckNotificationsResponseType](#)

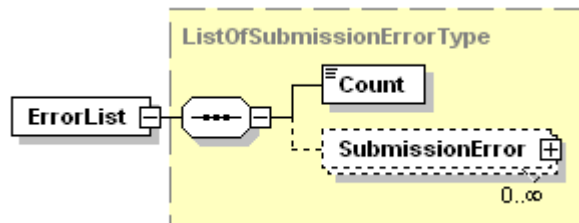
properties content complex

children [ErrorList](#)

source `<xsd:element name="GetAckNotificationsResponse" type="msx:GetAckNotificationsResponseType"/>`

GetAckNotificationsResponseType/ErrorList

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [ListOfSubmissionErrorType](#)

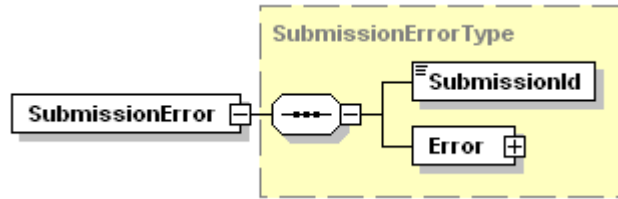
properties isRef 0 content complex

children [Count](#) [SubmissionError](#)

source `<xsd:element name="ErrorList" type="msx:ListOfSubmissionErrorType"/>`

ListOfSubmissionErrorType/SubmissionError

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [SubmissionErrorType](#)

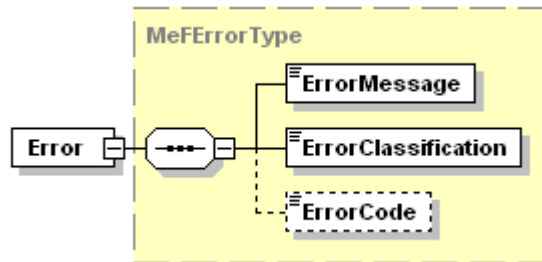
properties isRef 0
content complex

children [SubmissionId](#) [Error](#)

source `<xsd:element name="SubmissionError" type="SubmissionErrorType" minOccurs="0" maxOccurs="unbounded"/>`

SubmissionErrorType/Error

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [MeFErrorType](#)

properties isRef 0
content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

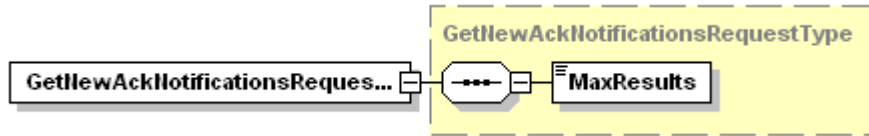
source `<xsd:element name="Error" type="MeFErrorType"/>`

1.7.3.3 Get New Ack Notifications

States will have authorization to programmatically request a Web Service to retrieve information as to whether Third-Party transmitters have retrieved the acknowledgements submitted by the states for a particular ETIN. The requesting system will provide a GetNewAckNotificationsRequestArgs message in the SOAP body containing the maximum number of results that should be returned (up to 100) and the MeFHeader message in the SOAP header containing the ETIN. If successful, the service returns a GetNewAckNotificationsResponse message in the SOAP body containing a Boolean flag indicating if more acknowledgement retrieval notifications are available, and a single zip file attachment containing the acknowledgement retrieval notifications. Otherwise, a SOAP error message will be returned to the requesting system.

1.7.3.3.1 element GetNewAckNotificationsRequestArgs

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetNewAckNotificationsRequestType](#)

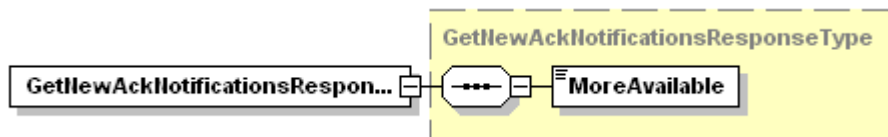
properties content complex

children [MaxResults](#)

source `<xsd:element name="GetNewAckNotificationsRequestArgs" type="msx:GetNewAckNotificationsRequestType"/>`

1.7.3.3.2 element GetNewAckNotificationsResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetNewAckNotificationsResponseType](#)

properties content complex

children [MoreAvailable](#)

source `<xsd:element name="GetNewAckNotificationsResponse" type="msx:GetNewAckNotificationsResponseType"/>`

1.7.3.4 Get New Submissions

The State applications will have authorization to programmatically request a Web Service to retrieve new submissions for a specified category of state submissions. The requesting system will provide a `GetNewSubmissionsRequestArgs` message in the SOAP body containing the maximum number of submissions to be returned (up to 100) and optionally the submission category and a `MeFHeader` message in the SOAP header containing the ETIN. The requesting system can supply just the `MaxResults`, or the `MaxResults` and `Category`. If successful, the service returns a `GetNewSubmissionsResponse` message in the SOAP body and a single zip file attachment containing the submissions. Otherwise, a SOAP fault error message will be returned to the requesting system. The `GetNewSubmissionsResponse` message contains a Boolean flag indicating if more submissions are available and a list of submission IDs, ETINs, the Federal EIN statuses, timestamps indicating when the transmitter received the originated returns before sending them on to the IRS, the date the IRS received the federal submission of the return based on the 20 day rule, and the submission IDs used to submit the returns. The valid submission categories are:

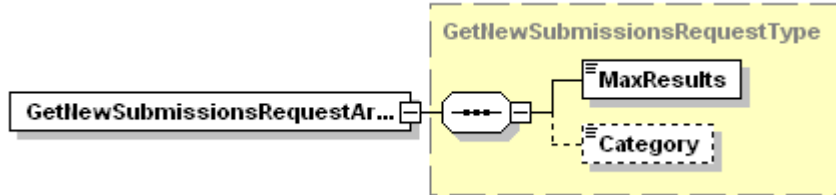
- CORP (Corporations)
- EO (Tax Exempt Organizations)

- PART (Partnerships)
- all (CORP and/or PART and/or EO)

NOTE: Any particular ETIN requesting “all” will retrieve submissions for any combination of CORP, PART, and EO depending on the access allowed for that ETIN in the IRS database and the submissions available at the time.

1.7.3.4.1 element GetNewSubmissionsRequestArgs

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetNewSubmissionsRequestType](#)

properties content complex

children [MaxResults](#) [Category](#)

source `<xsd:element name="GetNewSubmissionsRequestArgs" type="msx:GetNewSubmissionsRequestType"/>`

GetNewSubmissionsRequestType/MaxResults

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type `xsd:positiveInteger`

properties isRef 0
content simple

source `<xsd:element name="MaxResults" type="xsd:positiveInteger"/>`

GetNewSubmissionsRequestType/Category

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [CategoryType](#)

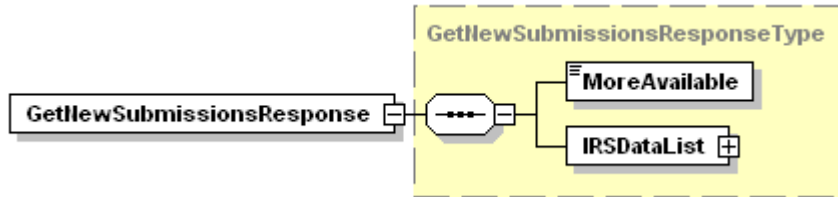
properties isRef 0
content simple

facets enumeration CORP
enumeration EO
enumeration PART
enumeration all

source `<xsd:element name="Category" type="CategoryType" minOccurs="0"/>`

1.7.3.4.2 element GetNewSubmissionsResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetNewSubmissionsResponseType](#)

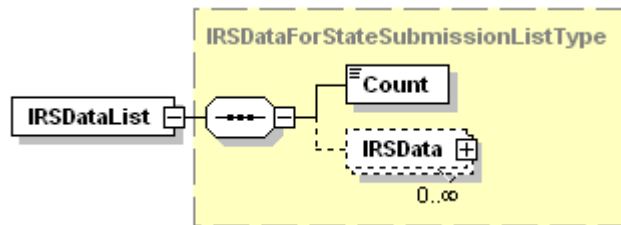
properties content complex

children [MoreAvailable](#) [IRSDataList](#)

source `<xsd:element name="GetNewSubmissionsResponse" type="msx:GetNewSubmissionsResponseType"/>`

GetNewSubmissionsResponseType/IRSDataList

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [IRSDataForStateSubmissionListType](#)

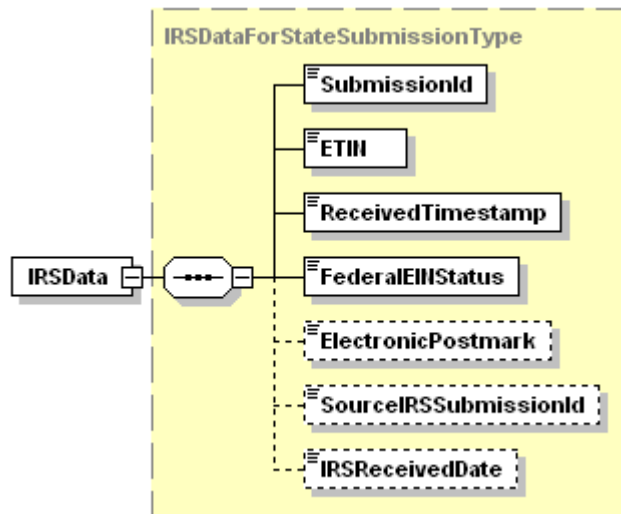
properties isRef 0 content complex

children [Count](#) [IRSData](#)

source `<xsd:element name="IRSDataList" type="msx:IRSDataForStateSubmissionListType"/>`

IRSDataForStateSubmissionListType/IRSData

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

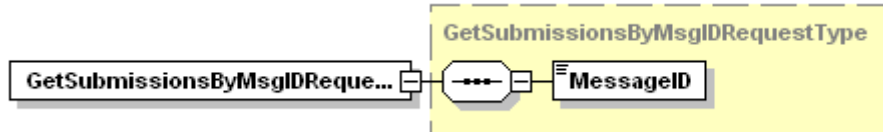
1.7.3.5 Get Submissions by Message ID

The State applications will have authorization to programmatically request a Web Service to retrieve submissions previously retrieved by a Get New Submissions request. The requesting system will provide a `GetSubmissionsByMsgIDRequest` message in the SOAP body containing the Message ID used in the previous Get New Submissions request. If successful, the service returns a `GetSubmissionsByMsgIDResponse` message in the SOAP body and a single zip file attachment containing the submissions. Otherwise, a SOAP error message will be returned to the requesting system.

The `GetSubmissionsByMsgIDResponse` message contains a Boolean flag indicating if more submissions are available and a list of submission IDs, ETINs, the Federal EIN statuses, timestamps indicating when the transmitter received the originated returns before sending them on to the IRS, the date the IRS received the federal submission of the return based on the 20 day rule, and the submission IDs used to submit the returns.

1.7.3.5.1 element `GetSubmissionsByMsgIDRequestArgs`

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetSubmissionsByMsgIDRequestType](#)

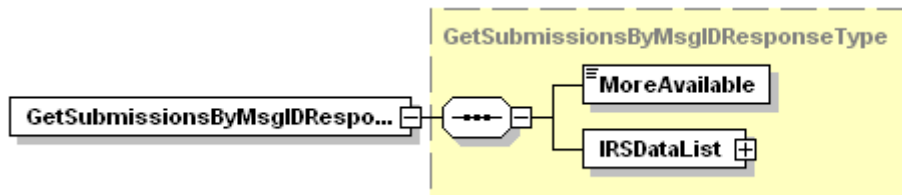
properties content complex

children [MessageID](#)

source `<xsd:element name="GetSubmissionsByMsgIDRequestArgs" type="msx:GetSubmissionsByMsgIDRequestType"/>`

1.7.3.5.2 element `GetSubmissionsByMsgIDResponse`

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetSubmissionsByMsgIDResponseType](#)

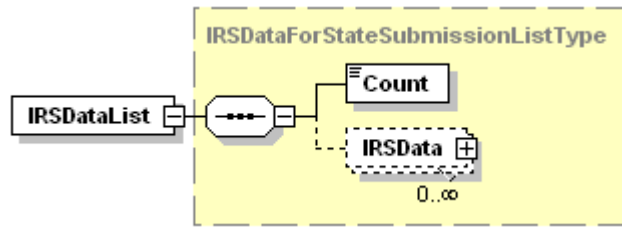
properties content complex

children [MoreAvailable](#) [IRSDataList](#)

source `<xsd:element name="GetSubmissionsByMsgIDResponse" type="msx:GetSubmissionsByMsgIDResponseType"/>`

GetSubmissionsByMsgIDResponseType/IRSDataList

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [IRSDataForStateSubmissionListType](#)

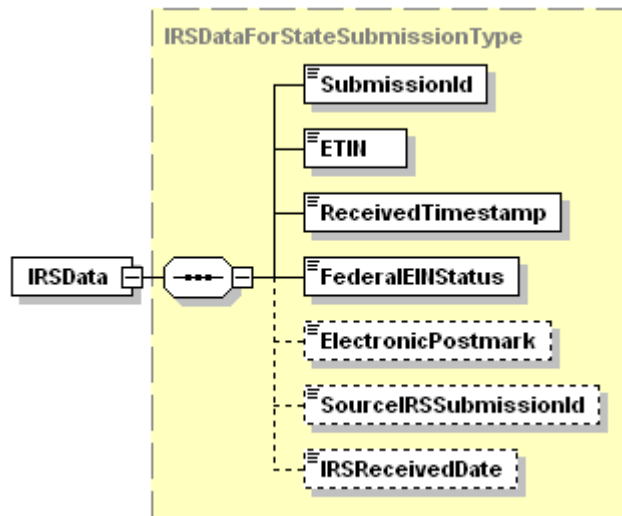
properties isRef 0
content complex

children [Count](#) [IRSData](#)

source `<xsd:element name="IRSDataList" type="msx:IRSDataForStateSubmissionListType"/>`

IRSDataForStateSubmissionListType/IRSData

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [IRSDataForStateSubmissionType](#)

properties isRef 0
content complex

children [SubmissionId](#) [ETIN](#) [ReceivedTimestamp](#) [FederalEINStatus](#) [ElectronicPostmark](#) [SourceIRSSubmissionId](#) [IRSReceivedDate](#)

source `<xsd:element name="IRSData" type="msx:IRSDataForStateSubmissionType" minOccurs="0" maxOccurs="unbounded"/>`

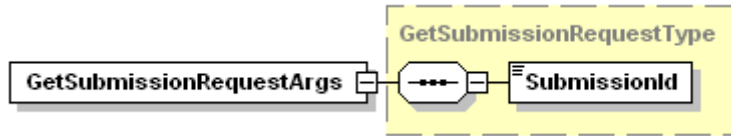
1.7.3.6 Get Submission

States will have authorization to programmatically request a Web Service to retrieve a submission for a specified submission ID. The requesting system will provide a `GetSubmissionRequestArgs` message in the SOAP body containing the submission ID. If successful, the service returns a `GetSubmissionResponse` message in the SOAP body and a single zip file attachment containing the submission. Otherwise, a SOAP error message will be returned to the requesting system.

The GetSubmissionResponse message contains the submission ID, ETIN, timestamp indicating when the submission was received, the federal EIN status, timestamp indicating when the transmitter received the originated return before sending it on to the IRS, the date the IRS received the federal submission of the return based on the 20 day rule, and the submission ID used to submit the returns.

1.7.3.6.1 element GetSubmissionRequestArgs

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetSubmissionRequestType](#)

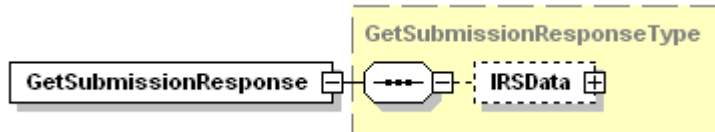
properties content complex

children [SubmissionId](#)

source `<xsd:element name="GetSubmissionRequestArgs" type="msx:GetSubmissionRequestType"/>`

1.7.3.6.2 element GetSubmissionResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetSubmissionResponseType](#)

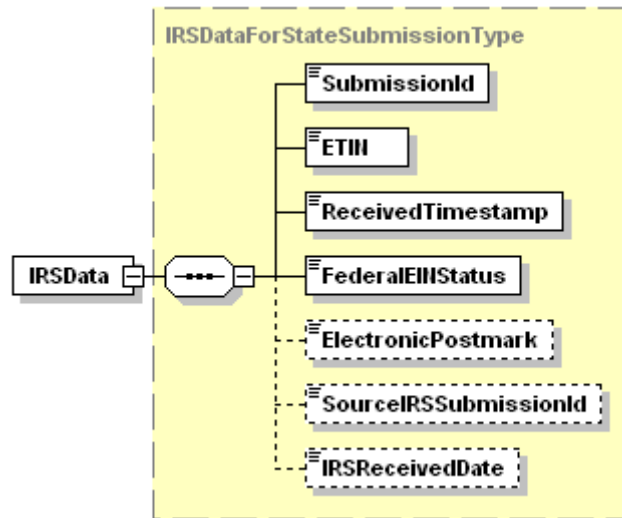
properties content complex

children [IRSData](#)

source `<xsd:element name="GetSubmissionResponse" type="msx:GetSubmissionResponseType"/>`

GetSubmissionResponseType/IRSData

diagram

namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>type [IRSDataForStateSubmissionType](#)properties isRef 0
content complexchildren [SubmissionId](#) [ETIN](#) [ReceivedTimestamp](#) [FederalEINStatus](#) [ElectronicPostmark](#) [SourceIRSSubmissionId](#)
[IRSReceivedDate](#)source `<xsd:element name="IRSData" type="msx:IRSDataForStateSubmissionType" maxOccurs="unbounded"/>`

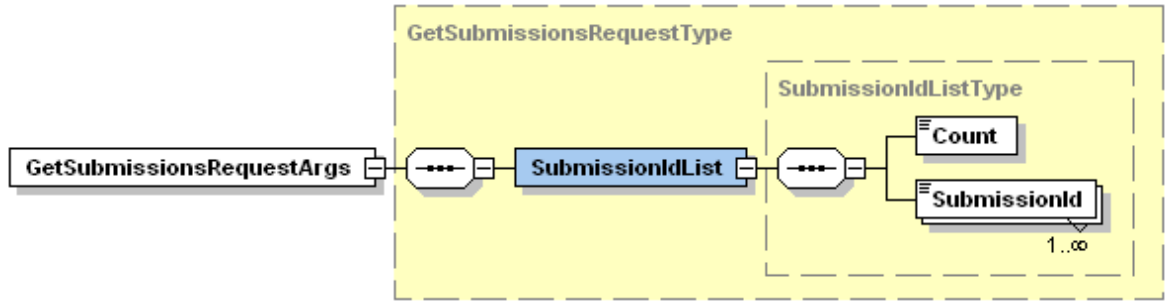
1.7.3.7 Get Submissions

States will have authorization to programmatically request a Web Service to retrieve submissions for a specified list of submission IDs. The requesting system will provide a GetSubmissionsRequestArgs message in the SOAP body containing the count and a list of submission IDs. If successful, the service returns a GetSubmissionsResponse message in the SOAP body and a single zip file attachment containing the submissions. Otherwise, a SOAP error message will be returned to the requesting system.

The GetSubmissionsResponse message contains a list of submission IDs, ETINs, timestamps indicating when the submission was received, the federal EIN statuses, timestamps indicating when the transmitter received the originated returns before sending them on to the IRS, the date the IRS received the federal submission of the return based on the 20 day rule, and the submission IDs used to submit the returns and a list of submission errors for any submission IDs from the submission ID list that were not found.

1.7.3.7.1 element GetSubmissionsRequestArgs

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetSubmissionsRequestType](#)

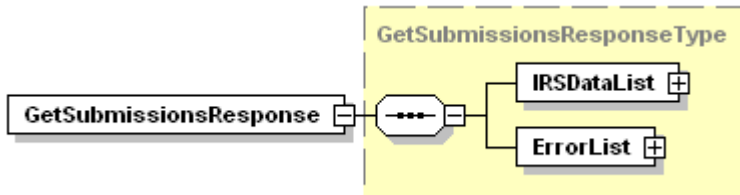
properties content complex

children [SubmissionIdList](#)

source `<xsd:element name="GetSubmissionsRequestArgs" type="msx:GetSubmissionsRequestType"/>`

1.7.3.7.2 element GetSubmissionsResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetSubmissionsResponseType](#)

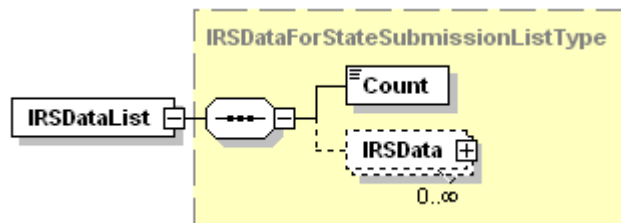
properties content complex

children [IRSDataList](#) [ErrorList](#)

source `<xsd:element name="GetSubmissionsResponse" type="msx:GetSubmissionsResponseType"/>`

GetSubmissionsResponseType/IRSDataList

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [IRSDataForStateSubmissionListType](#)

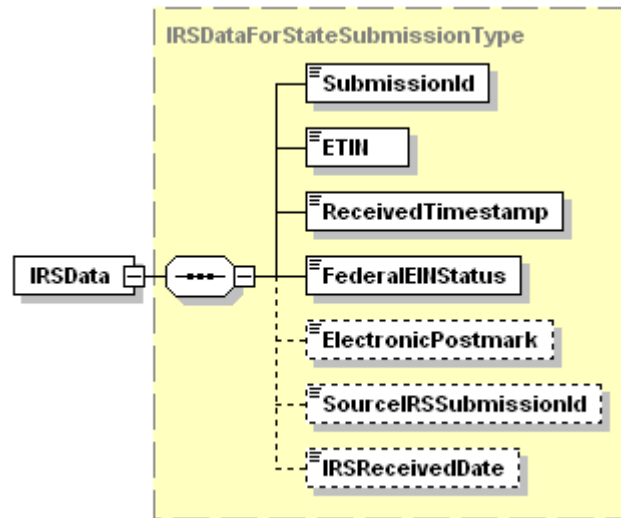
properties isRef 0
content complex

children [Count](#) [IRSData](#)

source `<xsd:element name="IRSDataList" type="msx:IRSDataForStateSubmissionListType"/>`

IRSDDataForStateSubmissionListType/IRSDData

diagram

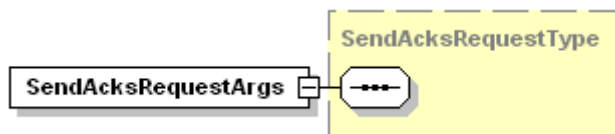
namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>type [IRSDDataForStateSubmissionType](#)properties isRef 0
content complexchildren [SubmissionId](#) [ETIN](#) [ReceivedTimestamp](#) [FederalEINStatus](#) [ElectronicPostmark](#) [SourceIRSSubmissionId](#) [IRSReceivedDate](#)source `<xsd:element name="IRSDData" type="msx:IRSDDataForStateSubmissionType" minOccurs="0" maxOccurs="unbounded"/>`

1.7.3.8 Send Acks Request

States will have authorization to programmatically request a Web Service to acknowledge the processing of state returns. The requesting system will provide an empty SendAcksRequestArgs tag in the SOAP body and a single zip file attachment containing the acknowledgements. The requesting system must also already be logged in, have a valid session, and provide the session key in the wsse:Security portion of the SOAP header. If successful, the service returns a SendAcksResponse message in the SOAP body indicating the number of acknowledgements received. If one of the acknowledgements is a duplicate all of them will be rejected and a SOAP fault will be returned to the requesting system identifying only the first duplicate encountered. Also, if any other error occurs, a SOAP fault message will be returned to the requesting system.

1.7.3.8.1 element SendAcksRequestArgs

diagram

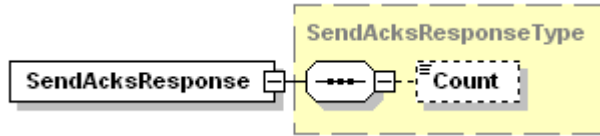
namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>type [SendAcksRequestType](#)

properties content complex

source `<xsd:element name="SendAcksRequestArgs" type="msx:SendAcksRequestType"/>`

1.7.3.8.2 element SendAcksResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [SendAcksResponseType](#)

properties content complex

children [Count](#)

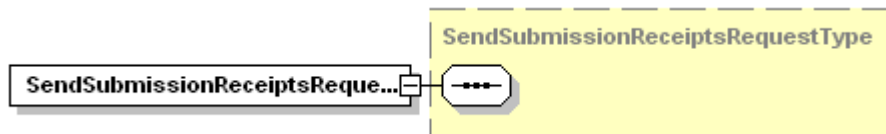
source `<xsd:element name="SendAcksResponse" type="msx:SendAcksResponseType"/>`

1.7.3.9 Send Submission Receipts

States will have authorization to programmatically request a Web Service to indicate that the specified state returns have been successfully received by the state's application. The requesting system will provide an empty `SendSubmissionReceiptsRequestArgs` tag in the SOAP body and a single zip file attachment containing the receipts for the state returns. The requesting system must also already be logged in, have a valid session, and provide the session key in the `wsse:Security` portion of the SOAP header. If successful, the service returns a `SendSubmissionReceiptsResponse` message in the SOAP body indicating the number of receipts received. If one of the receipts is a duplicate all of them will be rejected and a SOAP fault will be returned the requesting system identifying only the first duplicate encountered. Also, if any other error occurs, a SOAP fault message will be returned to the requesting system.

1.7.3.9.1 element SendSubmissionReceiptsRequestArgs

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

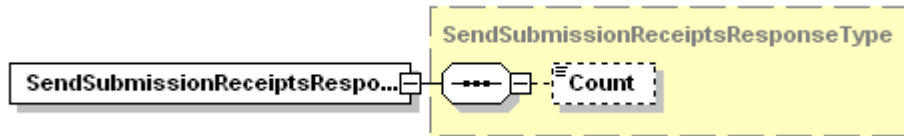
type [SendSubmissionReceiptsRequestType](#)

properties content complex

source `<xsd:element name="SendSubmissionReceiptsRequestArgs" type="msx:SendSubmissionReceiptsRequestType"/>`

1.7.3.9.2 element SendSubmissionReceiptsResponse

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [SendSubmissionReceiptsResponseType](#)

properties content complex

children [Count](#)

source `<xsd:element name="SendSubmissionReceiptsResponse" type="msx:SendSubmissionReceiptsResponseType"/>`

1.7.3.10 Get Submission Reconciliation List

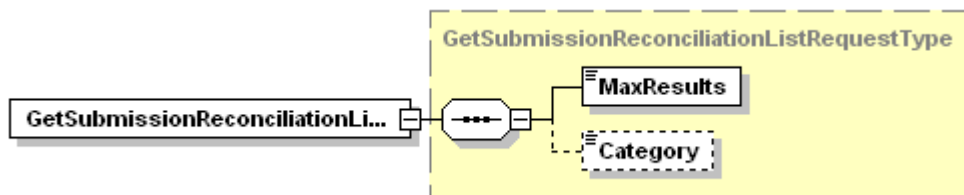
The State applications will have authorization to programmatically request a Web Service to retrieve a list of state return submission IDs for which the IRS has not received a receipt or acknowledgement from the state. The requesting system will provide a `GetSubmissionReconciliationListRequest` message in the SOAP body containing the maximum number of submission IDs to be returned (up to 200) and optionally the submission category and a `MeFHeader` message in the SOAP header containing the ETIN. The requesting system can supply just the `MaxResults`, or the `MaxResults` and `Category`. If successful, the service returns a `GetSubmissionReconciliationListResponse` message in the SOAP body. Otherwise, a SOAP fault error message will be returned to the requesting system. The `Get Submission Reconciliation List Response` message contains a Boolean flag indicating if more submission IDs are available and a list of submission IDs for which a receipt or acknowledgement has not been received. The valid submission categories are:

- CORP (Corporations)
- EO (Tax Exempt Organizations)
- PART (Partnerships)
- all (CORP and/or PART and/or EO)

NOTE: Any particular ETIN requesting “all” will retrieve submission IDs for any combination of CORP, PART, and EO depending on the access allowed for that ETIN in the IRS database and the submission IDs available at the time.

1.7.3.10.1 element GetSubmissionReconciliationListRequest

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [GetSubmissionReconciliationListRequestType](#)
 properties content complex
 children [MaxResults](#) [Category](#)
 source

```
<xsd:element name="GetSubmissionReconciliationListRequest"
    type="msx:GetSubmissionReconciliationListRequestType"/>
    <xsd:complexType name="GetSubmissionReconciliationListRequestType">
    <xsd:sequence>
    <xsd:element name="MaxResults" type="xsd:positiveInteger"/>
    <xsd:element name="Category" type="CategoryType" minOccurs="0"/>
    </xsd:sequence>
    </xsd:complexType>
```

GetSubmissionReconciliationListRequestType/MaxResults



namespace http://www.irs.gov/a2a/mef/MeFStateService.xsd
 type **xsd:positiveInteger**
 properties isRef 0 content simple
 source

```
<xsd:element name="MaxResults" type="xsd:positiveInteger"/>
```

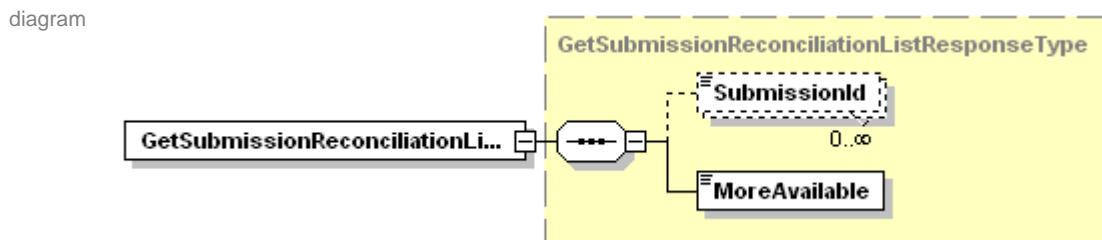
GetSubmissionReconciliationListRequestType/Category



namespace http://www.irs.gov/a2a/mef/MeFStateService.xsd
 type [CategoryType](#)
 properties isRef 0 content simple
 facets enumeration CORP
 enumeration EO
 enumeration PART
 enumeration all
 source

```
<xsd:element name="Category" type="CategoryType" minOccurs="0"/>
```

1.7.3.10.2 element GetSubmissionReconciliationListResponse



namespace http://www.irs.gov/a2a/mef/MeFStateService.xsd
 type [GetSubmissionReconciliationListResponseType](#)
 properties content complex
 children [SubmissionId](#) [MoreAvailable](#)
 source

```
<xsd:element name="GetSubmissionReconciliationListResponse"
    type="msx:GetSubmissionReconciliationListResponseType"/>
```

```
<xsd:complexType name="GetSubmissionReconciliationListResponseType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="SubmissionIdType" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="MoreAvailable" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

element **GetSubmissionReconciliationListResponseType/SubmissionId**

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [SubmissionIdType](#)

properties isRef 0
content simple
facets pattern [0-9]{13}[a-z0-9]{7}

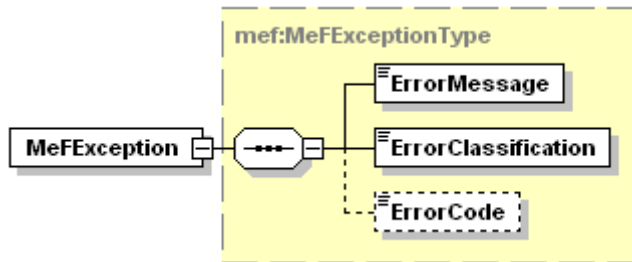
```
source <xsd:element name="SubmissionId" type="SubmissionIdType" minOccurs="0" maxOccurs="unbounded"/>
<xsd:simpleType name="SubmissionIdType">
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="[0-9]{13}[a-z0-9]{7}"/>
  </xsd:restriction>
</xsd:simpleType>
```

1.7.4 Exceptions

When errors occur processing a service request a SOAP fault response is returned containing a MeFException message within the SOAP fault detail tag.

1.7.4.1 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFMSIServices.xsd>

type [mef:MeFExceptionType](#)

properties content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

```
source <xs:element name="MeFException" type="mef:MeFExceptionType"/>
```

1.8 Attachment Files

The A2A and IFA all use “attachment” files as the mechanism to exchange submission and response information with the MeF. There are the following attachment types:

- IRS submission
- State submission
- Acknowledgements
- Receipts
- Acknowledgement notifications
- Status records
- Stamped Form 2290 Schedule 1s

1.8.1 Submission ID

A submission identifier (ID) uniquely identifies a submission. A submission ID is present in all attachment files and many request and response messages. To ensure the global uniqueness of a submission ID, the following format is adopted:

EFIN + cyyddd + xxxxxxxx

For example:

Submission ID: 00349720060731234567

The first six digits (003497) contain the Electronic Filer Identification Number (EFIN), the next four digits (2006) contain the year, the next three digits (073) contain the Julian date, and the last seven digits (1234567) contain a sequence number to uniquely identify messages sent within a day with the given EFIN. The total number of characters of the submission ID is twenty.

1.8.2 IRS Submission

An IRS submission is sent from a transmitter to the IRS. The structure of an IRS submission is shown in Figure 1-4 below

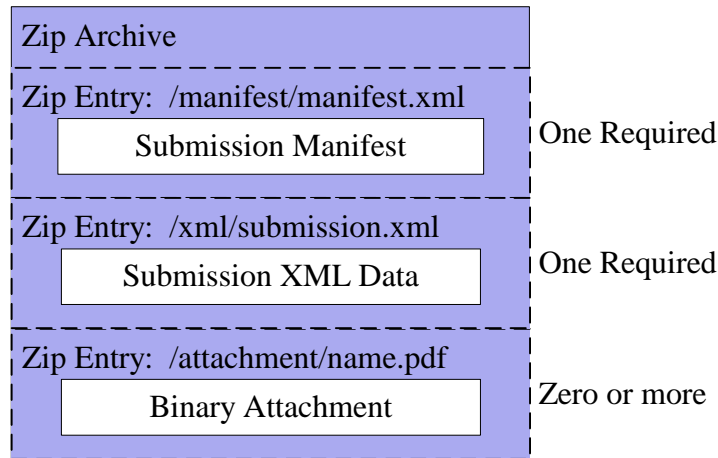


Figure 1-4. IRS Submission Message Structure

- **Submission Manifest**—This is an XML document containing metadata about the submission. The data elements are defined in the XML schema available from the IRS elsewhere.
- **Submission XML Data**—This is XML data conforming to an IRS XML schema for the indicated submission type. The XML schema depends on the submission type and is available from the IRS elsewhere.
- **Binary Attachment**—A PDF file containing a taxpayer business document associated with the submission. Information describing the binary file is included in the submission XML data, according to IRS XML schema definitions.

1.8.3 State Submission

A state submission is created by an originator and then sent from a transmitter to the IRS. The structure of a state submission is shown in Figure 1–5.

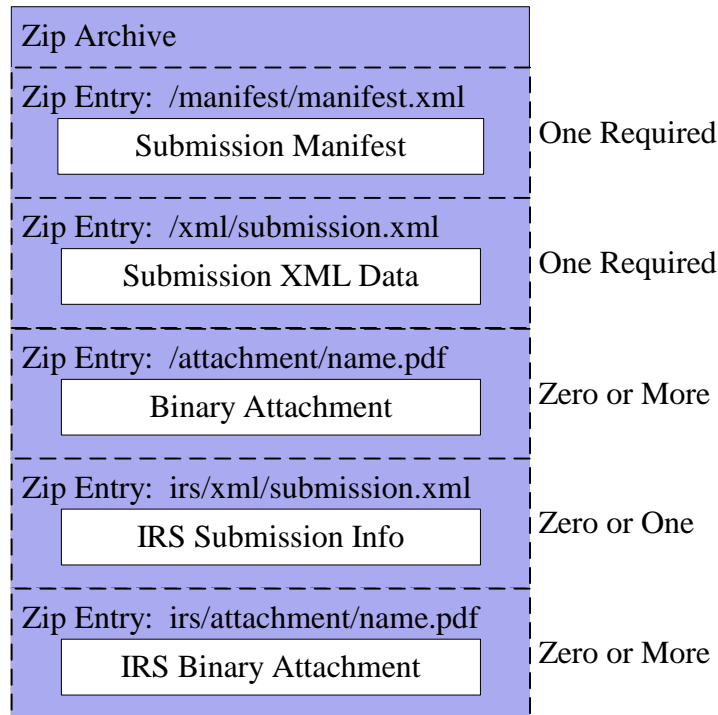


Figure 1-5. State Submission Message Structure

- **Submission Manifest**—This is an XML document containing metadata about the submission. The State Submission Response Structure is illustrated in Figure 1-6. The data elements are defined in the XML schema available from the IRS elsewhere
- **Submission XML Data**—This is XML data conforming to the state-provided XML schema associated with the indicated submission type.
- **Binary Attachment**—A PDF file containing business content as allowed by rules defined by the receiving state agency.
- **IRS Submission Info**—This is an XML document provided by the taxpayer containing information derived from an IRS submission, conforming to rules specified by the receiving state agency.
- **IRS Binary Attachment**—A PDF document associated with the IRS submission info. A standalone state submission will not have this element.

State Submission Response Structure

A state may receive more than one state submissions in response to a request for submissions. State submissions are combined into one ZIP archive that is returned in the response. The data structure for one or more state submission responses is shown in Figure 1-6.

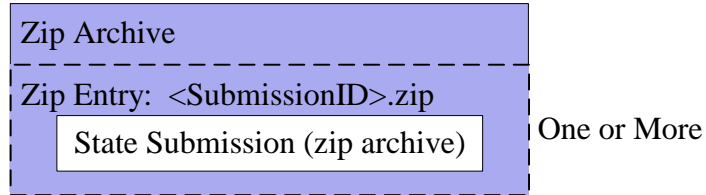


Figure 1-6. State Submission Response Message Structure

- **State Submission**—Each outgoing message attachment (zip file) contains one or more submission archives. Each submission archive represents a single state submission.

1.8.4 IRS Data for State Submission (IRS Submission Info)

When a state submission is sent to the state agency, the IRS also provides additional data derived from its own processing of the state submission. This IRS data is associated with one state submission. The content of the IRS data is shown in Table 1-2.

Table 1-2. IRS Data for State Submission Elements

Element	Definition
Submission ID	The submission ID of the received submission.
ETIN	The identifier of the transmitter that sent this submission to the IRS.
Received Timestamp	The date and time when the submission was received by the IRS.
Federal EIN Status	(Codes TBD.) The results of Federal EIN and name control lookup.
Electronic Postmark	(Optional) The time stamp indicating when the transmitter received the originated return before sending it on to the IRS.
Source IRS Submission ID	(Optional) The submission ID of an IRS submission from which the state copy was made (only for EO, currently).
IRS Received Date	The date the IRS received the federal submission of the return based on the 20 day rule.

1.8.5 Acknowledgements

State tax agencies send one state acknowledgement for each state submission processed by the IRS. The IRS forwards the acknowledgements to the appropriate transmitter. If the state sends more than one acknowledgement to the IRS in one request, the acknowledgements are combined into one container XML document that is then put into to a ZIP archive. The data structure for one or more acknowledgements is shown in Figure 1-7.

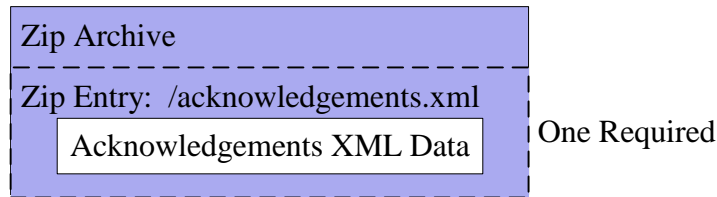


Figure 1-7. Acknowledgments Structure

- **Acknowledgements XML Data**—This is an XML document containing acknowledgements. The A2A Web Services and IFA channels both receive submission acknowledgements. The data elements are defined in the XML schema available from the IRS elsewhere.

1.8.6 Receipts

Receipts are sent from the IRS to a transmitter informing that a list of submissions has been received. Receipts are also sent from a state tax agency to the IRS, informing that a list of submissions has been successfully retrieved. They share the same data structure. The structure for receipts data is shown in Figure 1-8.

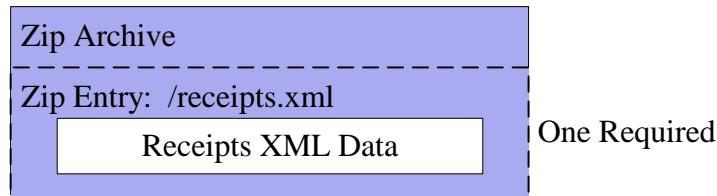


Figure 1-8. Receipts Structure

- **Receipts XML Data**—This is an XML document containing one or more submission receipts. The data elements for each receipt are defined in the XML schema available from the IRS elsewhere.

1.8.7 Acknowledgement Notifications

Acknowledgement notifications are retrieved from the IRS by a state tax agency. Each notification informs the state that the appropriate transmitter has received a state acknowledgement. The data structure for one or more acknowledgement notifications is shown in Figure 1-9.

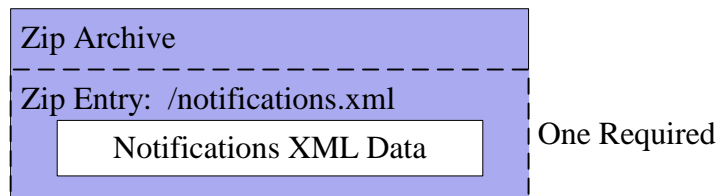


Figure 1-9. Acknowledgement Notifications Structure

- **Notifications XML Data**
This is an XML document containing one or more notifications. The data elements for each notification are defined in the XML schema available from the IRS elsewhere.

1.8.8 Status Records

Status Records are sent from the IRS to a transmitter. The structure for sending one or more status records is shown in Figure 1-10.



Figure 1-10. Status Records Structure

- **Status Records XML Data**—This is an XML document containing status records. The data elements for each status record are defined in the XML schema available from the IRS elsewhere.

1.8.9 Stamped Form 2290 Schedule 1s

The Stamped Form 2290 Schedule 1s are contained in a zip file attachment within the response message. The ZIP file includes one or more PDF files. Each PDF represents an IRS “stamped” version of a Schedule 1 from an accepted form 2290 submission. The structure of a Stamped Form 2290 Schedule 1s attachment is shown in Figure 1-11.

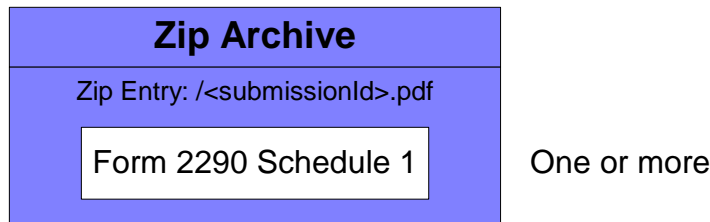


Figure 1-11. Stamped Form 2290 Schedule 1s Attachment Structure

1.8.10 Errors

When a state or third party transmitter provides a list of submission identifiers for data retrieval but some of submissions are not found in the MeF Application system, a list of errors will be returned, together with the list of data items that are found. The data elements for each error record are defined in the XML schema available from the IRS elsewhere.

1.9 IFA Service Messages

For file transmissions through the IFA channels, only the MIME Multipart structure (as illustrated in Figure 1-11) is supported by the MeF system.

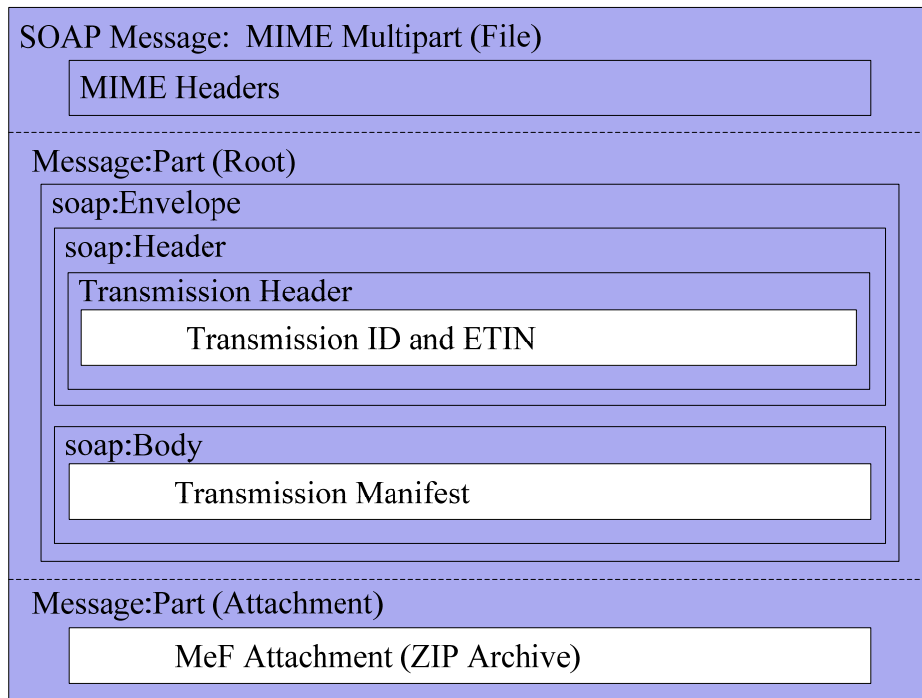


Figure 1-12. IFA Transmission File Structure

1.10 A2A Web Services Error Handling and Exception Reporting

Countermeasures to prevent internal implementation details from being revealed to the Third Party Transmitters or State applications are:

- Use exception handling throughout application's code
- Handle and log exceptions that are allowed to propagate to the application boundary
- Return generic, harmless error messages to the external client

1.10.1 XML Gateway Exceptions

When the XML Gateway detects an error in an A2A service request the client process is notified via a SOAP fault response. The XML Gateway fault responses are documented in Section 5.1.

1.10.2 Faults Response

Fault messages are correlated as replies using the [relationship] property. The [action] property below designates WS-Addressing fault messages:

<http://schemas.xmlsoap.org/ws/2004/08/addressing/fault>

The WS-Addressing definitions of faults use the following properties:

[Subcode] The fault subcode.

[Reason] The English language reason element.

1.10.2.1 MeF Fault

When faults (or errors) occur while processing a MSI service request, the client process is notified via a SOAP fault response containing a MeFException message within the SOAP fault detail tag. This interface is defined as a MeFFault message with the only element being the complex type MeFException as defined below.

MeFFaultMessage

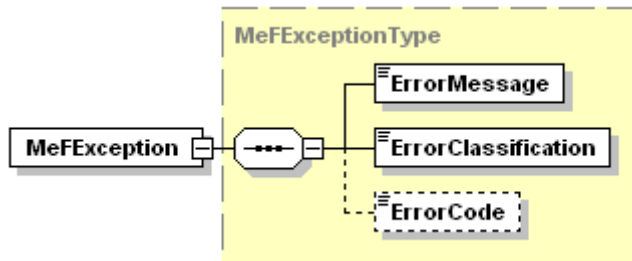
parts **MeFFault**
 element **mef:MeFException**

used by PortType [ChangePassword](#) in Operation [ChangePassword](#)
 PortType [EtinRetrieval](#) in Operation [EtinRetrieval](#)
 PortType [EtinStatus](#) in Operation [EtinStatus](#)
 PortType [GetStateParticipantsList](#) in Operation [GetStateParticipantsList](#)
 PortType [InitialLogin](#) in Operation [InitialLogin](#)
 PortType [Logout](#) in Operation [Logout](#)
 PortType [Login](#) in Operation [Login](#)

source `<wsdl:message name="MeFFaultMessage">
 <wsdl:part name="MeFFault" element="mef:MeFException"/>
 </wsdl:message>`

1.10.2.1.1 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>

type [MeFExceptionType](#)

properties content complex

children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)

source `<xsd:element name="MeFException" type="msx:MeFExceptionType"/>`

An example of a SOAP fault for an InitialLogin request with an incorrect length Message ID is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<e:Envelope .....
  <e:Body>
    <e:Fault>
      <faultcode>e:Server</faultcode>
      <faultstring>class gov.irs.mef.common.iface.struct.MeFExceptionType:</faultstring>
      <detail>
        <wn1:MeFException i:type="wn1:MeFExceptionType">
          <wn1:ErrorMessage i:type="d:string">Incorrect length for Message ID
          </wn1:ErrorMessage>
          <wn1:ErrorClassification i:type="wn1:ErrorClassificationType">REQUEST_ERROR
          </wn1:ErrorClassification>
          <wn1:ErrorCode i:type="d:string">REQSTI004000008</wn1:ErrorCode>
        </wn1:MeFException>
      </detail>
    </e:Fault>
  </e:Body>
</e:Envelope>
```

1.10.2.2 MeF Exception

When faults (or errors) occur while processing a Third Party transmitter or State service request, the client process is notified via a SOAP fault response containing a MeFException message within the SOAP fault detail tag. This interface is defined as a MeFException with the only element being the complex type MeFException as defined below.

MeFException for Third Party transmitter services

parts **MeFException**
 element **mtx:MeFException**

used by PortType [SendSubmissions](#) in Operation [SendSubmissions](#)
 PortType [GetNewAcks](#) in Operation [GetNewAcks](#)
 PortType [GetAcks](#) in Operation [GetAcks](#)
 PortType [GetAck](#) in Operation [GetAck](#)
 PortType [GetNewSubmissionsStatus](#) in Operation [GetNewSubmissionsStatus](#)
 PortType [GetSubmissionsStatus](#) in Operation [GetSubmissionsStatus](#)
 PortType [GetSubmissionStatus](#) in Operation [GetSubmissionStatus](#)
 PortType [GetAcksByMsgID](#) in Operation [GetAcksByMsgID](#)

source `<wsdl:message name="MeFException">
 <wsdl:part name="MeFException" element="mtx:MeFException"/>
 </wsdl:message>`

MeFException for State services

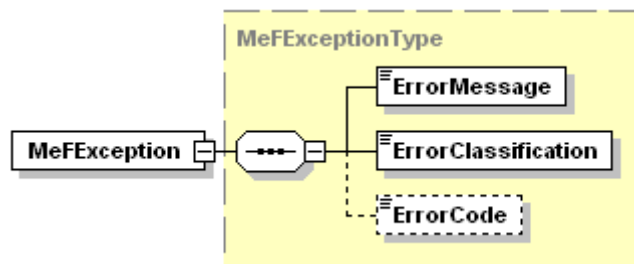
parts **MeFException**
 element **msx:MeFException**

used by PortType [GetNewSubmissions](#) in Operation [GetNewSubmissions](#)
 PortType [GetSubmissions](#) in Operation [GetSubmissions](#)
 PortType [GetSubmission](#) in Operation [GetSubmission](#)
 PortType [SendSubmissionReceipts](#) in Operation [SendSubmissionReceipts](#)
 PortType [SendAcks](#) in Operation [SendAcks](#)
 PortType [GetNewAckNotifications](#) in Operation [GetNewAckNotifications](#)
 PortType [GetAckNotifications](#) in Operation [GetAckNotifications](#)
 PortType [GetAckNotification](#) in Operation [GetAckNotification](#)
 PortType [GetSubmissionsByMsgID](#) in Operation [GetSubmissionsByMsgID](#)
 PortType [GetSubmissionReconciliationList](#) in Operation [GetSubmissionReconciliationList](#)

source `<wsdl:message name="MeFException">
 <wsdl:part name="MeFException" element="msx:MeFException"/>
 </wsdl:message>`

1.10.2.2.1 element MeFException

diagram



namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>
 type [MeFExceptionType](#)
 properties content complex
 children [ErrorMessage](#) [ErrorClassification](#) [ErrorCode](#)
 source `<xsd:element name="MeFException" type="msx:MeFExceptionType"/>`

An example of a SOAP fault for a GetAck request with an invalid Submission ID is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<e:Envelope .....
  <e:Body>
    <e:Fault>
      <faultcode>e:Server</faultcode>
      <faultstring>class MeFExceptionType: Invalid SubmissionId
      </faultstring>
      <detail>
        <wn0:MeFException i:type="wn0:MeFExceptionType">
          <ErrorMessage i:type="d:string">
            Failed to get acknowledgement for message id 001232006123msg00012.
            Reason: Could not find acknowledgement for submission ID 98792345076929
            for this ETIN 00123. If the submission was sent in through any channel other
            than Channel[A2A], then the acknowledgement must be retrieved through that
            channel.
          </ErrorMessage>
          <ErrorClassification i:type="wn0:ErrorClassificationType">
            REQUEST_ERROR
          </ErrorClassification>
          <ErrorCode i:type="d:string"> REQSTInnnnnnnnn</ErrorCode>
        </wn0:MeFException>
      </detail>
    </e:Fault>
  </e:Body>
</e:Envelope>
```


Section 2. Data Mapping

2.1 Data Mapping for A2A Web Services

The Web services provided by the MeF system are described in Web Service Definition Language (WSDL) and XML Schemas. Only the file names are presented in Table 2-1. The actual WSDL and XML Schema files are available from the IRS elsewhere.

Table 2-1. A2A WSDL and XML Schema Files

WSDL Files	XML Schema Files
MeFMSIServices_SeparateServices.wsdl	MeFHeader.xsd
MeFStateService_SeparateServices.wsdl	MeFMSIServices.xsd
MeFStateServiceWse_SeparateServices.wsdl	MeFStateService.xsd
MeFTransmitterService_SeparateServices.wsdl	MeFTransmitterService.xsd
MeFTransmitterServiceWse_SeparateServices.wsdl	ETECTransmitterService.xsd
ETECTransmitterService_SeparateServices.wsdl	
ETECTransmitterServiceWse_SeparateServices.wsdl	

2.1.1 Namespaces Used for A2A Web Services

The namespaces used for the MeF A2A services follow a logical naming organization. The XML Schema target namespace is always the XML Schema file name in the IRS/MeF domain (e.g., “http://www.irs.gov/a2a/mef/MeFMSIServices.xsd”). The WSDL target namespace is the WSDL name in the IRS/MeF domain (e.g., “http://www.irs.gov/a2a/mef/MeFStateService”). The namespaces used in the WSDL and XML Schema files are presented in Table 2-2. The XML namespace prefixes used are presented in Table 2-3.

Table 2-2. A2A Target Namespaces

XML Schemas	
File	targetNamespace
MeFHeader.xsd	http://www.irs.gov/a2a/mef/MeFHeader.xsd
MeFMSIServices.xsd	http://www.irs.gov/a2a/mef/MeFMSIServices.xsd
MeFStateService.xsd	http://www.irs.gov/a2a/mef/MeFStateService.xsd
MeFTransmitterService.xsd	http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd
ETECTransmitterService.xsd	http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd
WSDLs	
File	targetNamespace
MeFMSIServices_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFMSIServices
MeFStateService_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFStateService
MeFStateServiceWse_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFStateServiceWse
MeFTransmitterService_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFTransmitterService
MeFTransmitterServiceWse_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFTransmitterServiceWse
ETECTransmitterService_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/ETECTransmitterService
ETECTransmitterServiceWse_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/ETECTransmitterServiceWse

Table 2-3. A2A XML Namespace Prefixes

XML Schemas	
Prefix	Namespace
xsd	http://www.w3.org/2001/XMLSchema
xs	http://www.w3.org/2001/XMLSchema
mefhdr	http://www.irs.gov/a2a/mef/MeFHeader.xsd
mef	http://www.irs.gov/a2a/mef/MeFMSIServices.xsd
msx	http://www.irs.gov/a2a/mef/MeFStateService.xsd
msx	http://www.irs.gov/a2a/mef/MeFStateServiceWse.xsd
ds	http://www.w3.org/2000/09/xmlsig#
wsse	http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd
WSDLs	
Prefix	Namespace
wsdl	http://schemas.xmlsoap.org/wsdl/
xsd	http://www.w3.org/2001/XMLSchema
xs	http://www.w3.org/2001/XMLSchema
soap	http://schemas.xmlsoap.org/wsdl/soap/
soapbind	http://schemas.xmlsoap.org/wsdl/soap/
mime	http://schemas.xmlsoap.org/wsdl/mime/
dime	http://schemas.xmlsoap.org/ws/2002/04/dime/wsdl/
mefhdr	http://www.irs.gov/a2a/mef/MeFHeader.xsd
mef	http://www.irs.gov/a2a/mef/MeFMSIServices.xsd
tns	http://www.irs.gov/a2a/mef/MeFMSIServices
mef	http://www.irs.gov/a2a/mef/MeFStateService
msx	http://www.irs.gov/a2a/mef/MeFStateService.xsd
mef	http://www.irs.gov/a2a/mef/MeFStateServiceWse
msx	http://www.irs.gov/a2a/mef/MeFStateServiceWse.xsd
mef	http://www.irs.gov/a2a/mef/MeFTransmitterService
mtx	http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd
mef	http://www.irs.gov/a2a/mef/MeFTransmitterServiceWse

mtx	http://www.irs.gov/a2a/mef/MeFTTransmitterServiceWse.xsd
etec	http://www.irs.gov/a2a/mef/ETECTransmitterService
etec	http://www.irs.gov/a2a/mef/ETECTransmitterServiceWse

2.2 Data Mapping for the IFA Services

In the IFA channel the data are exchanged in files with SOAP data structures. The contents of these files are defined as attachments. Only the schema file names are presented in Table 2-4. The actual XML Schema files are available from the IRS elsewhere.

Table 2-4. IFA XML Schema Files

XML Schema Files
BinaryAttachment.xsd
efileAttachments.xsd
efileMessageCommon.xsd
efileMessageIFA.xsd
efileTypes.xsd
SOAP.xsd

2.2.1 Namespaces Used for the IFA Services

The namespaces used for the MeF IFA services follow a logical naming organization. The XML Schema target namespace for most of the files is “efile” in the IRS domain (i.e. “http://www.irs.gov/efile”). The namespaces used in the XML Schema files are presented in Table 2-5. The XML namespace prefixes used are presented in Table 2-6.

Table 2-5. IFA Target Namespaces

XML Schemas	
File	targetNamespace
BinaryAttachment.xsd	http://www.irs.gov/efile
efileAttachments.xsd	http://www.irs.gov/efile
efileMessageCommon.xsd	http://www.irs.gov/efile
efileMessageIFA.xsd	http://www.irs.gov/efile
efileTypes.xsd	http://www.irs.gov/efile
SOAP.xsd	http://schemas.xmlsoap.org/soap/envelope/

Table 2-6. IFA XML Namespace Prefixes

XML Schemas	
Prefix	Namespace
xsd	http://www.w3.org/2001/XMLSchema
xs	http://www.w3.org/2001/XMLSchema
tns	http://schemas.xmlsoap.org/soap/envelope/
<none>	http://www.irs.gov/efile

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Section 3. IFA Interface Specification

3.1 Transmitter Operations

A transmitter can upload transmission files to and retrieve submission acknowledgements from IFA. The transmission file format and submission acknowledgement format are specified in the following sections. The IFA channel supports all of the same transmitter services as the A2A channel except for the GetAcksByMsgID service.

Note: The interactions between a transmitter and the IFA are defined in the *MeF Internet Filing Application (IFA) Interface Control Document*.

3.2 Transmission File Specification

A transmission file contains a SOAP message with one or more attachments, where each attachment contains an IRS submission. A sample IFA transmission file message is shown below:

```
MIME-Version: 1.0
Content-Type: multipart/related; boundary="MIMEBoundary"; type="text/xml"
Content-Description: This Transmission File is created with Pegasus Test Suite
X-eFileRoutingCode: MEF
--MIMEBoundary
Content-Type: text/xml
Content-Transfer-Encoding: 8bit
Content-Location: SoapEnvelope
<?xml version="1.0" encoding="UTF-8"?>
<SOAP:Envelope xmlns="http://www.irs.gov/efile" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP="http://schemas.xmlsoap.org/soap/envelope/" xmlns:efile="http://www.irs.gov/efile"
xsi:schemaLocation="http://schemas.xmlsoap.org/soap/envelope/ ../message/SOAP.xsd
http://www.irs.gov/efile ../message/efileMessage.xsd">
  <SOAP:Header>
    <TransmissionHeader>
      <TransmissionId>00044</TransmissionId>
      <Timestamp>2008-03-18T11:36:49-05:00</Timestamp>
      <Transmitter>
        <ETIN>00852</ETIN>
      </Transmitter>
    </TransmissionHeader>
  </SOAP:Header>
  <SOAP:Body>
    <TransmissionManifest>
      <SubmissionDataList>
        <Count>1</Count>
        <SubmissionData>
          <SubmissionId>00000020080778014775</SubmissionId>
          <ElectronicPostmark>2008-03-18T11:36:49-05:00</ElectronicPostmark>
        </SubmissionData>
      </SubmissionDataList>
    </TransmissionManifest>
  </SOAP:Body>
</SOAP:Envelope>
--MIMEBoundary
Content-Type: application/zip
Content-Transfer-Encoding: Binary
Content-Location: SubmissionZip
```

← ZIP of submissions.

Figure 3-1. Sample Transmission File Message Submitted to IFA

Section 4. Example A2A Web Service Messages

This section presents request and response message examples for all the A2A Web services. The messages are divided into three classifications:

1. MSI Services Messages
2. State Services Messages
3. Transmitter Services Messages

Note that all of the SOAP request and response messages are identical for MIME and DIME except for the attachment transport mechanism.

4.1 MSI Services Messages

This section presents SOAP request and response message examples for the following MSI services:

- InitialLogin (not applicable for Strong Authentication users)
- Login
- ChangePassword (not applicable for Strong Authentication users)
- Logout
- EtinRetrieval
- EtinStatus
- GetStateParticipantsList

Note that the request and response messages are identical for Password Authenticated and Strong Authentication users except for the location of the Application System ID (username) as noted earlier. It is in the WS-Security UsernameToken for Password Authenticated and in the MeF Header AppSysID for Strong Authentication users. Therefore, to avoid redundancy, many of the examples below are for Password Authenticated users except where noted.

4.1.1 InitialLogin Service Request Message (not Applicable for Strong Authentication Users)

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000001</ns1:MessageID>
      <ns1:Action>InitialLogin</ns1:Action>
      <ns1:Timestamp>2006-01-16T19:13:09.193Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
    </ns1:MeF>
  </SOAP-ENV:Header>
</SOAP-ENV:Envelope>
```

```

    <ns1:SessionIndicator>N</ns1:SessionIndicator>
    <ns1:TestIndicator>P</ns1:TestIndicator>
  </ns1:MeF>
  <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
  secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
  wssecurity-utility-1.0.xsd">
    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username>
      <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-
      token-profile-1.0#PasswordText">password</wsse:Password>
    </wsse:UsernameToken>
  </wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <InitialLoginRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
    <Password>password</Password>
    <NewPassword>newpassword</NewPassword>
    <ConfirmationToken>111</ConfirmationToken>
  </InitialLoginRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.1.2 InitialLogin Service Response Message (not Applicable for Strong Authentication Users)

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000001R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000001</ns0:RelatesTo>
      <ns0:Action>InitialLogin</ns0:Action>
      <ns0:Timestamp>2006-02-08T19:13:37Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>N</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
    </ns0:MeF>
  </e:Header>
  <e:Body>
    <wn1:InitialLoginResponse i:type="wn1:InitialLoginResponseType">
      <wn1:Status i:type="d:string">InitialLogin success</wn1:Status>
    </wn1:InitialLoginResponse>
  </e:Body>
</e:Envelope>

```


4.1.3 Login Service Request Message

The Login Service Request Messages for Password Authenticated and Strong Authentication users differ slightly in format. The request messages are presented in the subsections that follow.

4.1.3.1 Login Service Request Message for Password Authenticated Users

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000102</ns1:MessageID>
      <ns1:Action>Login</ns1:Action>
      <ns1:Timestamp>2006-01-20T08:35:53.907Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsse:UsernameToken>
        <wsse:Username>username</wsse:Username> ← Here for Password Authenticated users
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-
          token-profile-1.0#PasswordText">password</wsse:Password>
      </wsse:UsernameToken>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <LoginRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

4.1.3.2 Login Service Request Message for Strong Authentication Users

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd" ID="myHdr">
      <MessageID>001232006026123abcde</MessageID>
      <Action>https://www.irs.gov/a2a/mef/Login</Action>
      <Timestamp>2006-09-27T08:55:29.348Z</Timestamp>
      <ETIN>00123</ETIN>
      <SessionIndicator>Y</SessionIndicator>
      <TestIndicator>T</TestIndicator>
      <AppSysID>username</AppSysID> ← Here for Strong Authentication users
    </ns1:MeF>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <LoginRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

</ns1:MeF>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secext-1.0.xsd"
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd">
<wsse:BinarySecurityToken ValueType="...#X509v3" EncodingType="...#Base64Binary"
wsu:Id="X509Token">
/CgBr+1CEl/PtYtAaMB0GA1UdDgQWBBSrtL3lSnDOzSluMLggQUgHpkDFGTAJBgNV
HRMEAjAAMBkGCSqGSIb2fQdBAAQMMMAobBFY1LjADAgMoMA0GCSqGSIb3DQEB
BQUAA4GBAC6SVzmX2I2kr5f0Na83ujcSwixpzHE2LqLBFsKm0GdPdarHFB2Qt85zbQ9
PRCROObm9HCIO5KMCjHp7D4g+.....0QVA36IbEn8</wsse:BinarySecurityToken>
<ds:Signature>
<ds:SignedInfo>
<ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
<ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/>
<ds:Reference URI="#myHdr">
<ds:Transforms>
<ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
</ds:Transforms>
<ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
<ds:DigestValue>qZk+NkcGgWq6PiVxeFDCbJzQ2J0=</ds:DigestValue>
</ds:Reference>
<ds:Reference URI="#myBody">
<ds:Transforms>
<ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
</ds:Transforms>
<ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
<ds:DigestValue>hJg+RBw70m66rkqh+VEp5eVGcPE=</ds:DigestValue>
</ds:Reference>
</ds:SignedInfo>
<ds:SignatureValue>
dsBeQ9qNXM1yU6BbWdBkSN676inwf+CgDORUKqOFuwWUzaOxUmHIq1Pb7uAB
Yw6xkoolbQGS/M3t4Df+hd31prR9Pn9IFqG87Rt169+II8L9GRgPhAATgne8Rh3jOaq
nfrJ5BBM0VmbZdL+c7dfNcnpW13D/kltZMvIFR XR87Hs=
</ds:SignatureValue>
<ds:KeyInfo>
<wsse:SecurityTokenReference>
<wsse:Reference URI="#X509Token"/>
</wsse:SecurityTokenReference>
</ds:KeyInfo>
</ds:Signature>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body ID="myBody">
<LoginRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd"/>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

← No UsernameToken for Strong Authentication users

4.1.4 Login Service Response Message

The Login Service Response Messages for Password Authenticated and Strong Authentication users differ slightly in format. The response messages are presented in the subsections that follow.

4.1.4.1 Login Service Response Message for Password Authenticated Users

```
<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000102R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000102</ns0:RelatesTo>
      <ns0:Action>Login</ns0:Action>
      <ns0:Timestamp>2006-02-08T19:19:41Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-1bb9afcac6a9602a5384ce23cd64b12dc5353ae8">
        <wsu:Created>2006-02-08T19:19:41Z</wsu:Created>
        <wsu:Expires>2006-02-08T19:34:41Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-da33a4c03b5f1acf14283356d1f68de2daddf164"
        IssueInstant="2006-02-08T19:19:41.080Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T19:19:41.080Z"
          NotOnOrAfter="2006-02-08T19:34:41.080Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T19:19:41.080Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
      </saml:Assertion>
    </wsse:Security>
  </e:Header>
  <ns0:Body>
  </ns0:Body>
</e:Envelope>
```

```

</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,OU=Internal Revenue Service,OU=Department of the Treasury,OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches</saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION" AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      wFQ7FQ0TQ2RclopYC0ZBTNPFy58xYF9LWNqNqafTutnMyQSE89FWm4B+yWsvq8+DGJSFx5KQszPG9RqYkPF3FF52cRt1DNg5FkwOMMYgW7VjRk3LiLhEILo6Fc6GfQhBIRGihkwrAXXtGOr2ZZ+jR7YtsdevpjeuQzKCDgd0qsR3nd.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for Password Authenticated users
  <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">password</wsse:Password>
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <wn1:LoginResponse i:type="wn1:LoginResponseType">
    <wn1:Status i:type="d:string">session counter updated</wn1:Status>
  </wn1:LoginResponse>
</e:Body>
</e:Envelope>

```

4.1.4.2 Login Service Response Message for Strong Authentication Users

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd" ID="myHdr">
      <MessageID>001232006026123abcde</MessageID>
      <RelatesTo>001232006026123abcde</RelatesTo>
      <Action>https://www.irs.gov/a2a/mef/Login/</Action>
      <Timestamp>2006-09-27T08:55:29.348Z</Timestamp>
      <ETIN>00123</ETIN>
      <SessionIndicator>Y</SessionIndicator>
    </ns1:MeF>
  </SOAP-ENV:Header>

```

```

<TestIndicator>T</TestIndicator>
<AppSysID>username</AppSysID>      ← Here for Strong Authentication users
</ns1:MeF>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secect-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-1bb9afcac6a9602a5384ce23cd64b12dc5353ae8">
    <wsu:Created>2006-09-27T08:55:41Z</wsu:Created>
    <wsu:Expires>2006-09-27T19:55:41Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-da33a4c03b5f1acf14283356d1f68de2daddf164"
  IssueInstant="2006-09-27T08:55:41Z" Issuer="http://www.forumsys.com/sentry"
  MajorVersion="1" MinorVersion="1"
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-09-27T08:55:41Z"
    NotOnOrAfter="2006-09-27T19:55:41Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-09-27T08:55:41Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          wFQ7FQ0TQ2RclopYC0ZBTNPFy58xYF9LWNqNqatTutnMyQSE89FWm4B
          +yWsvq8+DGJSFx5KQszPG9RqYkPF3FF52cRt1DNg5FkwOMMYgW7VjRk3
          LiLhEILo6Fc6GfQhBIrGihkwrAXXtGOr2ZZ+jR7YtsdevpjeuQzKCDgd0qsR3n
          d.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:AttributeStatement>
  </saml:Assertion>
</wsse:Security>

```

```

    </saml:AttributeStatement>
  </saml:Assertion>
</wsse:Security>   ← No UsernameToken for Strong Authentication users
</e:Header>
<e:Body>
  <wn1:LoginResponse i:type="wn1:LoginResponseType">
    <wn1:Status i:type="d:string">session counter updated</wn1:Status>
  </wn1:LoginResponse>
</e:Body>
</e:Envelope>

```

4.1.5 ChangePassword Service Request Message (not Applicable for Strong Authentication Users)

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900010003</ns1:MessageID>
      <ns1:Action>ChangePassword</ns1:Action>
      <ns1:Timestamp>2006-01-17T04:40:56.711Z</ns1:Timestamp>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd"
      xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
        1.0.xsd">
      <wsu:Timestamp wsu:Id="id-49a3f0300212843fa6b5681091b125c366ab24f5">
        <wsu:Created>2006-02-09T16:09:02Z</wsu:Created>
        <wsu:Expires>2006-02-09T16:24:02Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-a22de43062ccb7e3ff8b809e84307fd93fd681f5"
        IssueInstant="2006-02-09T16:09:02.453Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-09T16:09:02.453Z" NotOnOrAfter="2006-02-
          09T16:24:02.453Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-09T16:09:02.453Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
        </saml:AuthenticationStatement>
      </wsse:Security>
    </SOAP-ENV:Header>
  </SOAP-ENV:Envelope>

```



```

    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
      <saml:AttributeValue>
        1vLjq5rEOUTdiVZWU+AdUL42Hothx2H783b0jJAmV6gWhKwOhWD7NlnF
        ghtyPBVRi1P59D8BalhMAMeZIxz93aOE1B9aW8DXcS4NJSxJhugW2bewMg
        ySwi/+zhLvTAEyF1tScTEdSy5TrgGdgHaSrfC8ikNNdHFWRIGHT+8Lv4tI6...
        .....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username>
    <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-
      token-profile-1.0#PasswordText">password</wsse:Password>
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <ChangePasswordRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
    <Password>password</Password>
    <NewPassword>newpassword</NewPassword>
  </ChangePasswordRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.1.6 ChangePassword Service Response Message (not Applicable for Strong Authentication Users)

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900010003R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900010003</ns0:RelatesTo>
    </ns0:MeF>
  </e:Header>

```

```

<ns0:Action>ChangePassword</ns0:Action>
<ns0:Timestamp>2006-02-09T16:09:15Z</ns0:Timestamp>
<ns0:SessionIndicator>Y</ns0:SessionIndicator>
</ns0:MeF>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secect-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-49a3f0300212843fa6b5681091b125c366ab24f5">
    <wsu:Created>2006-02-09T16:09:02Z</wsu:Created>
    <wsu:Expires>2006-02-09T16:24:02Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-a22de43062ccb7e3ff8b809e84307fd93fd681f5"
  IssueInstant="2006-02-09T16:09:02.453Z" Issuer="http://www.forumsys.com/sentry"
  MajorVersion="1" MinorVersion="1"
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-09T16:09:02.453Z"
    NotOnOrAfter="2006-02-09T16:24:02.453Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-09T16:09:02.453Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          1vLjq5rEOUTdiVZWU+AdUL42Hothx2H783b0jJAmV6gWhKwOhWD7NlnF
          ghtyPBVRi1P59D8BalhMAMeZIxz93aOE1B9aW8DXcS4NJSxJhugW2bewMg
          ySwi/+zhLvTAEyF1tScTedSy5TrgGdgHaSrfC8ikNNdHFWRIGHT+.....
          .....</saml:AttributeValue>
        </saml:AttributeValue>
      </saml:AttributeStatement>
    </saml:Assertion>
  </wsse:Security>

```



```

        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username>
    <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-
      token-profile-1.0#PasswordText">password</wsse:Password>
  </wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <wn1:ChangePasswordResponse i:type="wn1:ChangePasswordResponseType">
    <wn1:Status i:type="d:string">Ok</wn1:Status>
  </wn1:ChangePasswordResponse>
</e:Body>
</e:Envelope>

```

4.1.7 Logout Service Request Message

The Logout Service Request Messages for Password Authenticated and Strong Authentication users differ slightly in format. The request messages are presented in the subsections that follow.

4.1.7.1 Logout Service Request Message for Password Authenticated Users

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000004</ns1:MessageID>
      <ns1:Action>Logout</ns1:Action>
      <ns1:Timestamp>2006-03-03T19:55:04.195Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>N</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-1bb9afcac6a9602a5384ce23cd64b12dc5353ae8">
        <wsu:Created>2006-02-08T19:19:41Z</wsu:Created>
        <wsu:Expires>2006-02-08T19:34:41Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-da33a4c03b5f1acf14283356d1f68de2daddf164"
        IssueInstant="2006-02-08T19:19:41.080Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T19:19:41.080Z"
          NotOnOrAfter="2006-02-08T19:34:41.080Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>

```

```

<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T19:19:41.080Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      wFQ7FQ0TQ2RclopYC0ZBTNPFy58xYF9LWNqNqatTutnMyQSE89FWm4B
      +yWsvq8+DGJSFx5KQszPG9RqYkPF3FF52cRt1DNg5FkwOMMYgW7VjRk3
      LiLhEILo6Fc6GfQhBIRGihkwrAXXtGOr2ZZ+jR7YtsdevpjeuQzKCDgd0.....
      .....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for Password Authenticated users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <LogoutRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd"/>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.1.7.2 Logout Service Request Message for Strong Authentication Users

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

```

```

<SOAP-ENV:Header>
  <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
    <ns1:MessageID>00123200603900000004</ns1:MessageID>
    <ns1:Action>Logout</ns1:Action>
    <ns1:Timestamp>2006-03-03T19:55:04.195Z</ns1:Timestamp>
    <ns1:ETIN>00123</ns1:ETIN>
    <ns1:SessionIndicator>N</ns1:SessionIndicator>
    <ns1:TestIndicator>P</ns1:TestIndicator>
    <AppSysID>username</AppSysID>      ← Here for Strong Authentication users
  </ns1:MeF>
  <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
  secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
  wssecurity-utility-1.0.xsd">
    <wsu:Timestamp wsu:Id="id-1bb9afcac6a9602a5384ce23cd64b12dc5353ae8">
      <wsu:Created>2006-02-08T19:19:41Z</wsu:Created>
      <wsu:Expires>2006-02-08T19:34:41Z</wsu:Expires>
    </wsu:Timestamp>
    <saml:Assertion AssertionID="id-da33a4c03b5f1acf14283356d1f68de2daddf164"
    IssueInstant="2006-02-08T19:19:41.080Z" Issuer="http://www.forumsys.com/sentry"
    MajorVersion="1" MinorVersion="1"
    xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
      <saml:Conditions NotBefore="2006-02-08T19:19:41.080Z"
      NotOnOrAfter="2006-02-08T19:34:41.080Z">
        <saml:DoNotCacheCondition/>
      </saml:Conditions>
      <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T19:19:41.080Z"
      AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
        <saml:Subject>
          <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
          <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
          </saml:SubjectConfirmation>
        </saml:Subject>
        <saml:SubjectLocality IPAddress="123.34.56.789"/>
      </saml:AuthenticationStatement>
      <saml:AttributeStatement>
        <saml:Subject>
          <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
          <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
          </saml:SubjectConfirmation>
        </saml:Subject>
      </saml:AttributeStatement>
    </saml:Assertion>
  </wsse:Security>

```

```

<saml:Attribute AttributeName="SMSESSION"
  AttributeNamespace="http://www.forumsys.com/sentry">
  <saml:AttributeValue>
    wFQ7FQ0TQ2RclpYC0ZBTNPFy58xYF9LWNqNqatTutnMyQSE89FWm4B
    +yWsvq8+DGJSFx5KQszPG9RqYkPF3FF52cRt1DNg5FkwOMMYgW7VjRk3
    LiLhEILo6Fc6GfQhBIRGihkwrAXXtGOr2ZZ+jR7YtsdevpjeuQzKCDgd0.....
    .....</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <LogoutRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd"/>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.1.8 Logout Service Response Message

The Logout Service Response Messages for Password Authenticated and Strong Authentication users differ slightly in format. The request messages are presented in the subsections that follow.

4.1.8.1 Logout Service Response Message for Password Authenticated Users

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000004R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000004</ns0:RelatesTo>
      <ns0:Action>Logout</ns0:Action>
      <ns0:Timestamp>2006-02-08T19:32:11Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>N</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
    </ns0:MeF>
  </e:Header>
  <e:Body>
    <wn1:LogoutResponse i:type="wn1:LogoutResponseType">
      <wn1:Status i:type="d:string">Session counter decremented</wn1:Status>
    </wn1:LogoutResponse>
  </e:Body>
</e:Envelope>

```

4.1.8.2 Logout Service Response Message for Strong Authentication Users

```
<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000004R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000004</ns0:RelatesTo>
      <ns0:Action>Logout</ns0:Action>
      <ns0:Timestamp>2006-02-08T19:32:11Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>N</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
  </e:Header>
  <e:Body>
    <wn1:LogoutResponse i:type="wn1:LogoutResponseType">
      <wn1:Status i:type="d:string">Session counter decremented</wn1:Status>
    </wn1:LogoutResponse>
  </e:Body>
</e:Envelope>
```

4.1.9 EtinRetrieval Service Request Message

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000012</ns1:MessageID>
      <ns1:Action>EtinRetrieval</ns1:Action>
      <ns1:Timestamp>2006-02-03T13:50:00.576Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-bb994af0be9c74e44d86cf619da4a52da42d5ebe">
        <wsu:Created>2006-02-08T20:07:37Z</wsu:Created>
        <wsu:Expires>2006-02-08T20:22:37Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-3b8ddb1eb70936a44e7994b3d894e2af9bcd99a5"
        IssueInstant="2006-02-08T20:07:37.879Z" Issuer="http://www.forumsys.com/sentry"
```

```

MajorVersion="1" MinorVersion="1"
xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
<saml:Conditions NotBefore="2006-02-08T20:07:37.879Z"
    NotOnOrAfter="2006-02-08T20:22:37.879Z">
    <saml:DoNotCacheCondition/>
</saml:Conditions>
<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T20:07:37.879Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
    <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
            format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
            OU=Internal Revenue Service,OU=Department of the Treasury,
            O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
    <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
            format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
            OU=Internal Revenue Service,OU=Department of the Treasury,
            O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeName="SMSESSION"
        AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
            GcC6RZf3Z5v+6V93q84R9QHkvUwYgqpKHZ0CDWSptQch002Way1fwdxW
            s9Pj73JIZ+voHUyFSK1fbsWz+NvNIrV5jjXvY1BvmkdBpbsfKSr1ZduMbSfqEf
            WBIwvMqSityIe0ohxoRqjsyfuYRMMzNrZOOb+BV71be0pA/PZZZSmQGje...
            .....</saml:AttributeValue>
        </saml:Attribute>
    </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
    <EtinRetrievalRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
        <TestIndicator>P</TestIndicator>
    </EtinRetrievalRequest>
</SOAP-ENV:Body>

```


</SOAP-ENV:Envelope>

4.1.10 EtinRetrieval Service Response Message

```
<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000012R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000012</ns0:RelatesTo>
      <ns0:Action>EtinRetrieval</ns0:Action>
      <ns0:Timestamp>2006-02-08T20:08:11Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-bb994af0be9c74e44d86cf619da4a52da42d5ebe">
        <wsu:Created>2006-02-08T20:07:37Z</wsu:Created>
        <wsu:Expires>2006-02-08T20:22:37Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-3b8ddb1eb70936a44e7994b3d894e2af9bcd99a5"
        IssueInstant="2006-02-08T20:07:37.879Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
      <saml:Conditions NotBefore="2006-02-08T20:07:37.879Z"
        NotOnOrAfter="2006-02-08T20:22:37.879Z">
        <saml:DoNotCacheCondition/>
      </saml:Conditions>
      <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T20:07:37.879Z"
        AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
      </saml:AuthenticationStatement>
      <saml:AttributeStatement>
      <saml:Subject>
```

```

<saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
  format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
  OU=Internal Revenue Service,OU=Department of the Treasury,
  O=U.S. Government,C=US</saml:NameIdentifier>
<saml:SubjectConfirmation>
  <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
  </saml:ConfirmationMethod>
</saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
  AttributeNamespace="http://www.forumsys.com/sentry">
  <saml:AttributeValue>
    GcC6RZf3Z5v+6V93q84R9QHkvUwYgqpKHZ0CDWSptQch002Way1fvwxW
    s9Pj73JlZ+voHUyFSK1fbsWz+NvNlrV5jjXvY1BvmkdBpbsfKsr1ZduMbSfqEf
    WBIwvMqSityIe0ohxoRqjsyfuYRMMzNrzoOb+BV71be0pA/PZZZSmQG...
    .....</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <wn1:EtinRetrievalResponse i:type="wn1:EtinRetrievalResponseType">
    <wn1:count i:type="d:int">5</wn1:count>
    <wn1:ETINStatus i:type="wn1:ETINStatusType">
      <wn1:ETIN i:type="d:string">00234</wn1:ETIN>
      <wn1:status i:type="d:string">P</wn1:status>
      <wn1:form i:type="wn1:ETINFormStatusType">
        <wn1:formName i:type="d:string">1120</wn1:formName>
        <wn1:formStatus i:type="d:string">P</wn1:formStatus>
      </wn1:form>
      <wn1:form i:type="wn1:ETINFormStatusType">
        <wn1:formName i:type="d:string">1120POL</wn1:formName>
        <wn1:formStatus i:type="d:string">P</wn1:formStatus>
      </wn1:form>
      <wn1:form i:type="wn1:ETINFormStatusType">
        <wn1:formName i:type="d:string">990</wn1:formName>
        <wn1:formStatus i:type="d:string">P</wn1:formStatus>
      </wn1:form>
    </wn1:ETINStatus>
    <wn1:ETINStatus i:type="wn1:ETINStatusType">
      <wn1:ETIN i:type="d:string">00567</wn1:ETIN>
      <wn1:status i:type="d:string">P</wn1:status>
      <wn1:form i:type="wn1:ETINFormStatusType">
        <wn1:formName i:type="d:string">1120</wn1:formName>
        <wn1:formStatus i:type="d:string">P</wn1:formStatus>
      </wn1:form>
      <wn1:form i:type="wn1:ETINFormStatusType">

```



```

    <wn1:formName i:type="d:string">1120POL</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">990</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
</wn1:ETINStatus>
<wn1:ETINStatus i:type="wn1:ETINStatusType">
  <wn1:ETIN i:type="d:string">00678</wn1:ETIN>
  <wn1:status i:type="d:string">P</wn1:status>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">1120</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">1120POL</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">990</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
</wn1:ETINStatus>
<wn1:ETINStatus i:type="wn1:ETINStatusType">
  <wn1:ETIN i:type="d:string">00789</wn1:ETIN>
  <wn1:status i:type="d:string">P</wn1:status>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">1120</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">1120POL</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">990</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
</wn1:ETINStatus>
<wn1:ETINStatus i:type="wn1:ETINStatusType">
  <wn1:ETIN i:type="d:string">00919</wn1:ETIN>
  <wn1:status i:type="d:string">P</wn1:status>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">1120</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>
  <wn1:form i:type="wn1:ETINFormStatusType">
    <wn1:formName i:type="d:string">1120POL</wn1:formName>
    <wn1:formStatus i:type="d:string">P</wn1:formStatus>
  </wn1:form>

```

```

    <wn1:form i:type="wn1:ETINFormStatusType">
      <wn1:formName i:type="d:string">990</wn1:formName>
      <wn1:formStatus i:type="d:string">P</wn1:formStatus>
    </wn1:form>
  </wn1:ETINStatus>
</wn1:EtinRetrievalResponse>
</e:Body>
</e:Envelope>

```

4.1.11 EtinStatus Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000011</ns1:MessageID>
      <ns1:Action>EtinStatus</ns1:Action>
      <ns1:Timestamp>2006-02-08T06:24:38.290Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wssu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-bb994af0be9c74e44d86cf619da4a52da42d5ebe">
        <wsu:Created>2006-02-08T20:07:37Z</wsu:Created>
        <wsu:Expires>2006-02-08T20:22:37Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-3b8ddb1eb70936a44e7994b3d894e2af9bcd99a5"
        IssueInstant="2006-02-08T20:07:37.879Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T20:07:37.879Z"
          NotOnOrAfter="2006-02-08T20:22:37.879Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T20:07:37.879Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
        </saml:AuthenticationStatement>
      </saml:Assertion>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <ns1:EtinStatus xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000011</ns1:MessageID>
      <ns1:Action>EtinStatus</ns1:Action>
      <ns1:Timestamp>2006-02-08T06:24:38.290Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID>
    </ns1:EtinStatus>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,OU=Internal Revenue Service,OU=Department of the Treasury,O=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches</saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeName="SMSESSION" AttributeNamespace="http://www.forumsys.com/sentry">
      <saml:AttributeValue>
        GcC6RZf3Z5v+6V93q84R9QHkvUwYgqpKHZ0CDWSptQch002Way1fvwxW
        s9Pj73JIZ+voHUyFSK1fbsWz+NvNlrV5jjXvY1BvmkdBpbsfKSr1ZduMbSfqEf
        WBIwvMqSityIe0ohxoRqjsyfuYRM.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <EtinStatusRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
    <ETIN>00456</ETIN>
  </EtinStatusRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.1.12 EtinStatus Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000011R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000011</ns0:RelatesTo>
      <ns0:Action>EtinStatus</ns0:Action>
      <ns0:Timestamp>2006-02-08T20:07:54Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
  </e:Header>

```

```

</ns0:MeF>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-bb994af0be9c74e44d86cf619da4a52da42d5ebe">
    <wsu:Created>2006-02-08T20:07:37Z</wsu:Created>
    <wsu:Expires>2006-02-08T20:22:37Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-3b8ddb1eb70936a44e7994b3d894e2af9bcd99a5"
  IssueInstant="2006-02-08T20:07:37.879Z" Issuer="http://www.forumsys.com/sentry"
  MajorVersion="1" MinorVersion="1"
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-08T20:07:37.879Z"
    NotOnOrAfter="2006-02-08T20:22:37.879Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T20:07:37.879Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          GcC6RZf3Z5v+6V93q84R9QHkvUwYgqpKHZ0CDWSptQch002Way1fvwxW
          s9Pj73JIZ+voHUyFSK1fbsWz+NvNlrV5jjXvY1BvmkdBpbsfKSr1ZduMbSfqEf
          WBIwvMqSityIe0ohxoRqjsyfuYRM.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>

```

```

        <wsse:Username>username</wsse:Username> ← Here for both types of users
    </wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
    <wn1:EtinStatusResponse i:type="wn1:EtinStatusResponseType">
        <wn1:ETIN i:type="d:string">00456</wn1:ETIN>
        <wn1:status i:type="d:string">V</wn1:status>
        <wn1:form i:type="wn1:ETINFormStatusType">
            <wn1:formName i:type="d:string">1120</wn1:formName>
            <wn1:formStatus i:type="d:string">P</wn1:formStatus>
        </wn1:form>
        <wn1:form i:type="wn1:ETINFormStatusType">
            <wn1:formName i:type="d:string">1120POL</wn1:formName>
            <wn1:formStatus i:type="d:string">P</wn1:formStatus>
        </wn1:form>
        <wn1:form i:type="wn1:ETINFormStatusType">
            <wn1:formName i:type="d:string">990</wn1:formName>
            <wn1:formStatus i:type="d:string">P</wn1:formStatus>
        </wn1:form>
    </wn1:EtinStatusResponse>
</e:Body>
</e:Envelope>

```

4.1.13 GetStateParticipantsList Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <SOAP-ENV:Header>
        <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
            <ns1:MessageID>00123200603900000013</ns1:MessageID>
            <ns1:Action>GetStateParticipantsList</ns1:Action>
            <ns1:Timestamp>2006-01-28T00:19:26.393Z</ns1:Timestamp>
            <ns1:ETIN>00123</ns1:ETIN>
            <ns1:SessionIndicator>Y</ns1:SessionIndicator>
            <ns1:TestIndicator>P</ns1:TestIndicator>
            <AppSysID>username</AppSysID> ← For Strong Authentication users
        </ns1:MeF>
        <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
            <wsu:Timestamp wsu:Id="id-bb994af0be9c74e44d86cf619da4a52da42d5ebe">
                <wsu:Created>2006-02-08T20:07:37Z</wsu:Created>
                <wsu:Expires>2006-02-08T20:22:37Z</wsu:Expires>
            </wsu:Timestamp>
            <saml:Assertion AssertionID="id-3b8ddb1eb70936a44e7994b3d894e2af9bcd99a5"
                IssueInstant="2006-02-08T20:07:37.879Z" Issuer="http://www.forumsys.com/sentry"
                MajorVersion="1" MinorVersion="1"
                xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">

```

```

<saml:Conditions NotBefore="2006-02-08T20:07:37.879Z"
  NotOnOrAfter="2006-02-08T20:22:37.879Z">
  <saml:DoNotCacheCondition/>
</saml:Conditions>
<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T20:07:37.879Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      GcC6RZf3Z5v+6V93q84R9QHkvUwYgqpKHZ0CDWSptQch002Way1fvwxW
      s9Pj73JIZ+voHUYFSK1fbsWz+NvNIrV5jjXvY1BvmkdBpbsfKSr1ZduMbSfqEf
      WBIwvMqSityIe0ohxoRqjsyfuYRM.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetStateParticipantsListRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd"/>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```


4.1.14 GetStateParticipantsList Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000013R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000013</ns0:RelatesTo>
      <ns0:Action>GetStateParticipantsList</ns0:Action>
      <ns0:Timestamp>2006-02-08T20:08:21Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-bb994af0be9c74e44d86cf619da4a52da42d5ebe">
        <wsu:Created>2006-02-08T20:07:37Z</wsu:Created>
        <wsu:Expires>2006-02-08T20:22:37Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-3b8ddb1eb70936a44e7994b3d894e2af9bcd99a5"
        IssueInstant="2006-02-08T20:07:37.879Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T20:07:37.879Z"
          NotOnOrAfter="2006-02-08T20:22:37.879Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T20:07:37.879Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,

```

```

    OU=Internal Revenue Service,OU=Department of the Treasury,
    O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      GcC6RZf3Z5v+6V93q84R9QHkvUwYgqpKHZ0CDWSptQch002Way1fvwxW
      s9Pj73JIZ+voHUYFSK1fbsWz+NvNlrV5jjXvY1BvmkdBpbsfKSr1ZduMbSfqEf
      WBIwvMqSityIe0ohxoRqjsyfuYRM.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <wn1:GetStateParticipantsListResponse i:type="wn1:GetStateParticipantsListResponseType">
    <wn1:count i:type="d:int">155</wn1:count>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">IL</wn1:state>
      <wn1:participantPrograms i:type="d:string">ILSTCB ! P</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">IL</wn1:state>
      <wn1:participantPrograms i:type="d:string">ILSTCF ! P</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">IL</wn1:state>
      <wn1:participantPrograms i:type="d:string">ILSTCF ! T</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">KS</wn1:state>
      <wn1:participantPrograms i:type="d:string">KSSTCF ! P</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">KS</wn1:state>
      <wn1:participantPrograms i:type="d:string">KSSTCB ! P</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">KS</wn1:state>
      <wn1:participantPrograms i:type="d:string">KSSTCB ! T</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">IL</wn1:state>
      <wn1:participantPrograms i:type="d:string">ILSTEF ! P</wn1:participantPrograms>
  </wn1:GetStateParticipantsListResponse>

```



```
<wn1:state i:type="d:string">AK</wn1:state>
  <wn1:participantPrograms i:type="d:string">AKSTEB ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">AK</wn1:state>
  <wn1:participantPrograms i:type="d:string">AKSTEF ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">AK</wn1:state>
  <wn1:participantPrograms i:type="d:string">AKSTCB ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">AK</wn1:state>
  <wn1:participantPrograms i:type="d:string">AKSTCF ! P</wn1:participantPrograms>
</wn1:StateParticipant>
</wn1:GetStateParticipantsListResponse>
</e:Body>
</e:Envelope>
```

4.2 State Services SOAP Messages

This section presents SOAP request and response message examples for the following State services:

- GetNewSubmissions
- GetSubmissionsByMsgID
- GetSubmissions
- GetSubmission
- SendSubmissionReceipts
- SendAcks
- GetNewAckNotifications
- GetAckNotifications
- GetAckNotification
- GetSubmissionReconciliationList

Note that all of the SOAP request and response messages are identical for MIME and DIME except for the attachment transport mechanism.

Also note that the request and response messages are identical for Password Authenticated and Strong Authentication users except for the location of the Application System ID (username) as noted earlier. It is in the WS-Security UsernameToken for both Password Authenticated and Strong Authentication users and also in the MeF Header AppSysID for Strong Authentication users. Therefore, to avoid redundancy, all of examples below indicate the placement of the Application System ID (username) for both types of users.

4.2.1 GetNewSubmissions Service Request Message

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000002</ns1:MessageID>
      <ns1:Action>GetNewSubmissions</ns1:Action>
      <ns1:Timestamp>2006-02-24T09:53:51.237Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
  </SOAP-ENV:Header>
</SOAP-ENV:Envelope>
```

```

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
    <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
    <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
  IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
  MajorVersion="1" MinorVersion="1"
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
    NotOnOrAfter="2006-02-08T22:54:28.567Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhIU1p
          9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
          Yp2D1oUCP58f4Av0t9yyBRhSKF.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>

```

```

    </wsse:UsernameToken>
  </wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetNewSubmissionsRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <MaxResults>1</MaxResults>
    <Category>CORP</Category>
  </GetNewSubmissionsRequestArgs>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.2 GetNewSubmissions Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000002R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000002</ns0:RelatesTo>
      <ns0:Action>GetNewSubmissions</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:42:58Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:39:28.567Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2006-02-08T22:54:28.567Z"
          NotBefore="2006-02-08T22:39:28.567Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>

```

```

        <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
    <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
            format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
            OU=Internal Revenue Service,OU=Department of the Treasury,
            O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
        AttributeName="SMSESSION">
        <saml:AttributeValue>
            uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
            9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
            Yp2D1oUCP58f4Av0t9yyBRhSKF.....</saml:AttributeValue>
        </saml:Attribute>
    </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
    <ns10:GetNewSubmissionsResponse
xmlns:ns10="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <ns10:MoreAvailable>true</ns10:MoreAvailable>
    <ns10:IRSDataList>
        <ns10:Count>1</ns10:Count>
        <ns10:IRSData>
            <ns10:SubmissionId>00123420060320000057</ns10:SubmissionId>
            <ns10:ETIN>00123</ns10:ETIN>
            <ns10:ReceivedTimestamp>2006-02-02T14:24:11.482Z</ns10:ReceivedTimestamp>
            <ns10:FederalEINStatus>Found Match</ns10:FederalEINStatus>
            <ns10:ElectronicPostmark>2006-01-31T18:34:50.113Z</ns10:ElectronicPostmark>
            <ns10:SourceIRSSubmissionId i:nil="true"/>
            <ns10:IRSReceivedDate>2006-02-02T18:55:55.003Z</ns10:IRSReceivedDate>
        <!-- Note: The above 2 elements are optional and may or may not be present in the actual response -->
        </ns10:IRSData>
    </ns10:IRSDataList>
    </ns10:GetNewSubmissionsResponse>
</e:Body>

```


</e:Envelope>

4.2.3 Get Submissions by Message ID Service Request Message

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000003</ns1:MessageID>
      <ns1:Action>GetSubmissionsByMsgID</ns1:Action>
      <ns1:Timestamp>2006-02-02T02:41:42.473Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
        IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
          NotOnOrAfter="2006-02-08T22:54:28.567Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
```



```

        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
        uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
        9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMOV2DJH
        Yp2D1oUCP58f4Av0t9yyBRhSK.....</saml:AttributeValue>
    </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
    <GetSubmissionsByMsgIDRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
        <MessageID>0012300603900000002</MessageID>
    </GetSubmissionsByMsgIDRequestArgs>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.4 Get Submissions by Message ID Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
    xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
    xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:d="http://www.w3.org/2001/XMLSchema">
    <e:Header>
        <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
            <ns0:MessageID>00123200603900000003R</ns0:MessageID>
            <ns0:RelatesTo>00123200603900000003</ns0:RelatesTo>
            <ns0:Action>GetSubmissionsByMsgID</ns0:Action>
            <ns0:Timestamp>2006-02-08T22:43:14Z</ns0:Timestamp>
            <ns0:ETIN>00123</ns0:ETIN>
            <ns0:SessionIndicator>Y</ns0:SessionIndicator>
            <ns0:TestIndicator>P</ns0:TestIndicator>
            <AppSysID>username</AppSysID> ← For Strong Authentication users
        </ns0:MeF>
        <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
            secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
            wssecurity-utility-1.0.xsd">
            <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
                <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
            </wsu:Timestamp>
        </wsse:Security>
    </e:Header>
    <e:Body>
        <GetSubmissionsByMsgIDResponseArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
            <MessageID>00123200603900000003</MessageID>
            <GetSubmissionsByMsgIDResponseArgs>
                <Submissions>
                    <Submission>
                        <MessageID>00123200603900000003</MessageID>
                        <Status>S</Status>
                    </Submission>
                </Submissions>
            </GetSubmissionsByMsgIDResponseArgs>
        </GetSubmissionsByMsgIDResponseArgs>
    </e:Body>
</e:Envelope>

```

```

    <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:39:28.567Z"
    Issuer="http://www.forumsys.com/sentry"
    AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
    MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotOnOrAfter="2006-02-08T22:54:28.567Z"
      NotBefore="2006-02-08T22:39:28.567Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
      AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
        AttributeName="SMSESSION">
        <saml:AttributeValue>
          uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
          9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
          Yp2D1oUCP58f4Av0t9yyBRhSK.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>

```

```

<ns10:GetSubmissionsByMsgIDResponse
  xmlns:ns10="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
  <ns10:MoreAvailable>>false</ns10:MoreAvailable>
  <ns10:IRSDataList>
    <ns10:Count>1</ns10:Count>
    <ns10:IRSData>
      <ns10:SubmissionId>00123420060320000057</ns10:SubmissionId>
      <ns10:ETIN>00165</ns10:ETIN>
      <ns10:ReceivedTimestamp>2006-02-02T14:24:11.482Z</ns10:ReceivedTimestamp>
      <ns10:FederalEINStatus>Found Match</ns10:FederalEINStatus>
      <ns10:ElectronicPostmark>2006-01-31T18:34:50.113Z</ns10:ElectronicPostmark>
      <ns10:SourceIRSSubmissionId i:nil="true"/>
      <ns10:IRSReceivedDate>2006-02-02T18:55:55.003Z</ns10:IRSReceivedDate>
    <!-- Note: The above 2 elements are optional and may or may not be present in the actual response -->
  </ns10:IRSData>
</ns10:IRSDataList>
</ns10:GetSubmissionsByMsgIDResponse>
</e:Body>
</e:Envelope>

```

4.2.5 Get Submissions Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000004</ns1:MessageID>
      <ns1:Action>GetSubmissions</ns1:Action>
      <ns1:Timestamp>2006-02-07T06:15:13.898Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
        IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
      <saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
        NotOnOrAfter="2006-02-08T22:54:28.567Z">
        <saml:DoNotCacheCondition/>
      </saml:Conditions>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000004</ns1:MessageID>
      <ns1:Action>GetSubmissions</ns1:Action>
      <ns1:Timestamp>2006-02-07T06:15:13.898Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID>
    </ns1:MeF>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
      9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
      Yp2D1oUCP58f4Av0t9yyBRhSKFb.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetSubmissionsRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <SubmissionIdList>
      <Count>1</Count>
      <SubmissionId>00123420060380000097</SubmissionId>
    </SubmissionIdList>
  </GetSubmissionsRequestArgs>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.6 GetSubmissions Service Response Message

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000004R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000004</ns0:RelatesTo>
      <ns0:Action>GetSubmissions</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:43:47Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:39:28.567Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2006-02-08T22:54:28.567Z"
          NotBefore="2006-02-08T22:39:28.567Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>

```

```

        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
        AttributeName="SMSESSION">
        <saml:AttributeValue>
          uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
          9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMOV2DJH
          Yp2D1oUCP58f4Av0t9yyBRhSKFb.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username> ← Here for both types of users
    </wsse:UsernameToken>
  </wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetSubmissionsResponse xmlns:ns10="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <ns10:IRSDataList>
      <ns10:Count>1</ns10:Count>
      <ns10:IRSData>
        <ns10:SubmissionId>00123420060380000097</ns10:SubmissionId>
        <ns10:ETIN>00123</ns10:ETIN>
        <ns10:ReceivedTimestamp>2006-02-08T22:32:51.986Z</ns10:ReceivedTimestamp>
        <ns10:FederalEINStatus>Found No Match</ns10:FederalEINStatus>
        <ns10:ElectronicPostmark>2006-01-31T18:34:50.113Z</ns10:ElectronicPostmark>
        <ns10: SourceIRSSubmissionId >00123420060380000086
          </ns10: SourceIRSSubmissionId >
        <ns10:IRSReceivedDate>2006-02-09T08:55:55.003Z</ns10:IRSReceivedDate>
      <!-- Note: The above 2 elements are optional and may or may not be present in the actual response -->
    </ns10:IRSData>
  </ns10:IRSDataList>
  <ns10:ErrorList>
    <ns10:Count>0</ns10:Count>
    <ns10:SubmissionError i:nil="true"/>
      <!-- Note: The above element is optional and may or may not be present in the actual response -->
    </ns10:ErrorList>
  </ns10:GetSubmissionsResponse>
</e:Body>
</e:Envelope>

```

4.2.7 GetSubmission Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">

```



```

<ns1:MessageID>00123200603900000005</ns1:MessageID>
<ns1:Action>GetSubmission</ns1:Action>
<ns1:Timestamp>2006-01-29T23:12:33.073Z</ns1:Timestamp>
<ns1:ETIN>00123</ns1:ETIN>
<ns1:SessionIndicator>Y</ns1:SessionIndicator>
<ns1:TestIndicator>P</ns1:TestIndicator>
<AppSysID>username</AppSysID>    ← For Strong Authentication users
</ns1:MeF>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
    <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
    <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
    IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
    MajorVersion="1" MinorVersion="1"
    xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
      NotOnOrAfter="2006-02-08T22:54:28.567Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
      AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
        AttributeNamespace="http://www.forumsys.com/sentry">

```

```

    <saml:AttributeValue>
      uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
      9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
      Yp2D1oUCP58f4Av0t9yyBRhSKFbZb.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetSubmissionRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <SubmissionId>00123420060380000097</SubmissionId>
  </GetSubmissionRequestArgs>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.8 GetSubmission Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000005R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000005</ns0:RelatesTo>
      <ns0:Action>GetSubmission</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:44:05Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:39:28.567Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
      <saml:Conditions NotOnOrAfter="2006-02-08T22:54:28.567Z"
        NotBefore="2006-02-08T22:39:28.567Z">
        <saml:DoNotCacheCondition/>
      </saml:Conditions>
    </wsse:Security>
  </e:Header>
  <e:Body>
    <ns1:Response xmlns:ns1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
      xmlns:ns2="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
      xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
      xmlns:d="http://www.w3.org/2001/XMLSchema">
      <ns1:ResponseID>00123420060380000097</ns1:ResponseID>
      <ns1:SubmissionID>00123420060380000097</ns1:SubmissionID>
      <ns1:Status>Success</ns1:Status>
      <ns1:MessageID>00123200603900000005R</ns1:MessageID>
      <ns1:RelatesTo>00123200603900000005</ns1:RelatesTo>
      <ns1:Action>GetSubmission</ns1:Action>
      <ns1:Timestamp>2006-02-08T22:44:05Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:Response>
  </e:Body>
</e:Envelope>

```



```

</saml:Conditions>
<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
    AttributeName="SMSESSION">
    <saml:AttributeValue>
      uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
      9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
      Yp2D1oUCP58f4Av0t9yyBRhSKFb86m8tyC0qH/nfCvsiuUFcSrXfv3x9Z.....
      ...</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetSubmissionResponse xmlns:ns10="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <ns10:IRSData>
      <ns10:SubmissionId>00123420060380000097</ns10:SubmissionId>
      <ns10:ETIN>00123</ns10:ETIN>
      <ns10:ReceivedTimestamp>2006-02-08T22:32:51.986Z</ns10:ReceivedTimestamp>
      <ns10:FederalEINStatus>Found No Match</ns10:FederalEINStatus>
      <ns10:ElectronicPostmark>2006-01-31T18:34:50.113Z</ns10:ElectronicPostmark>
      <ns10:SourceIRSSubmissionId i:nil="true"/>
      <ns10:IRSReceivedDate>2006-02-09T08:55:55.003Z</ns10:IRSReceivedDate>
    </ns10:IRSData>
  </ns10:GetSubmissionResponse>
</e:Body>

```

```

<!-- Note: The above 2 elements are optional and may or may not be present in the actual response -->
  </ns10:IRSData>
</ns10:GetSubmissionResponse>
</e:Body>
</e:Envelope>

```

4.2.9 SendSubmissionReceipts Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000006</ns1:MessageID>
      <ns1:Action>SendSubmissionReceipts</ns1:Action>
      <ns1:Timestamp>2006-01-22T21:26:49.912Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
        IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
          NotOnOrAfter="2006-02-08T22:54:28.567Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>

```

```

<saml:Subject>
  <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
    format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
    OU=Internal Revenue Service,OU=Department of the Treasury,
    O=U.S. Government,C=US</saml:NameIdentifier>
  <saml:SubjectConfirmation>
    <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
    </saml:ConfirmationMethod>
  </saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
  AttributeNamespace="http://www.forumsys.com/sentry">
  <saml:AttributeValue>
    uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
    9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
    Yp2D1oUCP58f4Av0t9yyBRhSKFbx9Zb6sqe.....</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <SendSubmissionReceiptsRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd"/>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.10 SendSubmissionReceipts Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000006R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000006</ns0:RelatesTo>
      <ns0:Action>SendSubmissionReceipts</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:44:46Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">

```

```

<wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
<wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
</wsu:Timestamp>
<saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
MajorVersion="1" MinorVersion="1"
xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
<saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
NotOnOrAfter="2006-02-08T22:54:28.567Z">
<saml:DoNotCacheCondition/>
</saml:Conditions>
<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
<saml:Subject>
<saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
OU=Internal Revenue Service,OU=Department of the Treasury,
O=U.S. Government,C=US</saml:NameIdentifier>
<saml:SubjectConfirmation>
<saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
</saml:ConfirmationMethod>
</saml:SubjectConfirmation>
</saml:Subject>
<saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
<saml:Subject>
<saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
OU=Internal Revenue Service,OU=Department of the Treasury,
O=U.S. Government,C=US</saml:NameIdentifier>
<saml:SubjectConfirmation>
<saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
</saml:ConfirmationMethod>
</saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
AttributeNameNamespace="http://www.forumsys.com/sentry">
<saml:AttributeValue>
uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
Yp2D1oUCP58f4Av0t9yyBRhSKFb8Zb6s.....</saml:AttributeValue>
</saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
<wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>

```

```

<ns9:SendSubmissionReceiptsResponse xmlns:ns9="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
  <ns9:Count>2</ns9:Count>
</ns9:SendSubmissionReceiptsResponse>
</e:Body>
</e:Envelope>

```

4.2.11 SendAcks Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000007</ns1:MessageID>
      <ns1:Action>SendAcks</ns1:Action>
      <ns1:Timestamp>2006-02-16T15:13:56.390Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
        IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
          NotOnOrAfter="2006-02-08T22:54:28.567Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>

```

```

<saml:Subject>
  <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,OU=Internal Revenue Service,OU=Department of the Treasury,OU=U.S. Government,C=US</saml:NameIdentifier>
  <saml:SubjectConfirmation>
    <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches</saml:ConfirmationMethod>
  </saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
  AttributeNamespace="http://www.forumsys.com/sentry">
  <saml:AttributeValue>
    uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p9ZiUB8dGOuW8xR/NupMTV9kycUrOExN.....</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <SendAcksRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd"/>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.12 SendAcks Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:d="http://www.w3.org/2001/XMLSchema"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000007R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000007</ns0:RelatesTo>
      <ns0:Action>SendAcks</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:44:58Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>

```



```

    <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
    IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
    MajorVersion="1" MinorVersion="1"
    xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
      NotOnOrAfter="2006-02-08T22:54:28.567Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
      AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
        AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
          9ZiUB8dGOuW8xR/NupMTV9kycUrOExN.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns9:SendAcksResponse xmlns:ns9="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <ns9:Count>3</ns9:Count>
  </ns9:SendAcksResponse>
</e:Body>

```

```

    </ns9:SendAcksResponse>
  </e:Body>
</e:Envelope>

```

4.2.13 GetNewAckNotifications Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000041</ns1:MessageID>
      <ns1:Action>GetNewAckNotifications</ns1:Action>
      <ns1:Timestamp>2006-02-18T13:53:51.288Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-18c3af8bed5e19dc01baad81fb818df521bee023">
        <wsu:Created>2006-02-08T22:56:44Z</wsu:Created>
        <wsu:Expires>2006-02-08T23:11:44Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-045a7c92ec380e1e2d5473b6e36f339227ad10c5"
        IssueInstant="2006-02-08T22:56:44.886Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
      <saml:Conditions NotBefore="2006-02-08T22:56:44.886Z"
        NotOnOrAfter="2006-02-08T23:11:44.886Z">
        <saml:DoNotCacheCondition/>
      </saml:Conditions>
      <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:56:44.886Z"
        AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
        <saml:Subject>
          <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
            format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
            OU=Internal Revenue Service,OU=Department of the Treasury,
            O=U.S. Government,C=US</saml:NameIdentifier>
          <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
          </saml:SubjectConfirmation>
        </saml:Subject>
        <saml:SubjectLocality IPAddress="123.34.56.789"/>
      </saml:AuthenticationStatement>
      <saml:AttributeStatement>
        <saml:Subject>

```



```

<saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
OU=Internal Revenue Service,OU=Department of the Treasury,
O=U.S. Government,C=US</saml:NameIdentifier>
<saml:SubjectConfirmation>
  <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
  </saml:ConfirmationMethod>
</saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
AttributeNamespace="http://www.forumsys.com/sentry">
  <saml:AttributeValue>
    JvqVP0Z5XZWFf/1HE8XiMKfu87fxBRJDf0ILCfYpKnV17lF17EdnDHTy0Cjfo
    j0Wt9Ck9GIHsr/CqENV4C+jhGOBp4mOj+5BO426FikdtRhVRM46PkftMpbyn
    d9m2OtILfQckddHB/f9sNNW38qryb9YqB.....</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetNewAckNotificationsRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <MaxResults>1</MaxResults>
  </GetNewAckNotificationsRequestArgs>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.14 GetNewAckNotifications Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000041R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000041</ns0:RelatesTo>
      <ns0:Action>GetNewAckNotifications</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:56:48Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">

```

```

<wsu:Timestamp wsu:Id="id-18c3af8bed5e19dc01baad81fb818df521bee023">
  <wsu:Created>2006-02-08T22:56:44Z</wsu:Created>
  <wsu:Expires>2006-02-08T23:11:44Z</wsu:Expires>
</wsu:Timestamp>
<saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:56:44.886Z"
  Issuer="http://www.forumsys.com/sentry"
  AssertionID="id-045a7c92ec380e1e2d5473b6e36f339227ad10c5"
  MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
  <saml:Conditions NotOnOrAfter="2006-02-08T23:11:44.886Z"
    NotBefore="2006-02-08T22:56:44.886Z">
    <saml:DoNotCacheCondition/>
  </saml:Conditions>
  <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:56:44.886Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        O=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
      AttributeName="SMSESSION">
      <saml:AttributeValue>
        JvqVP0Z5XZWFf/1HE8XiMKfu87fxBRJDf0ILCfYpKnV17lF17EdnDHTy0Cjfo
        j0Wt9Ck9GIHsr/CqENV4C+jhGOBp4mOj+5BO426FikdtRhVRM46PkftMpbyn
        d9m2OtILfQckddHB/f9sNNW38qryb9YqBN.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</e:Header>

```

```

<e:Body>
  <ns10:GetNewAckNotificationsResponse
    xmlns:ns10="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <ns10:MoreAvailable>true</ns10:MoreAvailable>
  </ns10:GetNewAckNotificationsResponse>
</e:Body>
</e:Envelope>

```

4.2.15 GetAckNotifications Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000042</ns1:MessageID>
      <ns1:Action>GetAckNotifications</ns1:Action>
      <ns1:Timestamp>2006-01-22T18:50:10.043Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-18c3af8bed5e19dc01baad81fb818df521bee023">
        <wsu:Created>2006-02-08T22:56:44Z</wsu:Created>
        <wsu:Expires>2006-02-08T23:11:44Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-045a7c92ec380e1e2d5473b6e36f339227ad10c5"
        IssueInstant="2006-02-08T22:56:44.886Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T22:56:44.886Z"
          NotOnOrAfter="2006-02-08T23:11:44.886Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:56:44.886Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
      </wsse:Security>
    </SOAP-ENV:Header>
  </SOAP-ENV:Envelope>

```

```

</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      JvqVP0Z5XZWFf/1HE8XiMKfu87fxBRJDf0ILCfYpKnV17lF17EdnDHTy0Cjfo
      j0Wt9Ck9GIHsr/CqENV4C+jhGOBP4mOj+5BO426FikdtRhVRM46PkftMpbyn
      d9m2OtILfQckddHB/f9sNNW38qryb9YqB0N.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetAckNotificationsRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <SubmissionIdList>
      <Count>2</Count>
      <SubmissionId>00123420060380000097</SubmissionId>
      <SubmissionId>00123420060380000098</SubmissionId>
    </SubmissionIdList>
  </GetAckNotificationsRequestArgs>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.16 GetAckNotifications Service Response Message

```

<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000042R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000042</ns0:RelatesTo>
      <ns0:Action>GetAckNotifications</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:56:54Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
    </ns0:MeF>
  </e:Header>

```

```

<ns0:TestIndicator>P</ns0:TestIndicator>
  <AppSysID>username</AppSysID> ← For Strong Authentication users
</ns0:MeF>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secect-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-18c3af8bed5e19dc01baad81fb818df521bee023">
    <wsu:Created>2006-02-08T22:56:44Z</wsu:Created>
    <wsu:Expires>2006-02-08T23:11:44Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:56:44.886Z"
    Issuer="http://www.forumsys.com/sentry"
    AssertionID="id-045a7c92ec380e1e2d5473b6e36f339227ad10c5"
    MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotOnOrAfter="2006-02-08T23:11:44.886Z"
      NotBefore="2006-02-08T22:56:44.886Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:56:44.886Z"
      AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
        AttributeName="SMSESSION">
        <saml:AttributeValue>
          JvqVP0Z5XZWFf/1HE8XiMKfu87fxBRJdf0ILCfYpKnV17IF17EdnDHTy0Cjfo
          j0Wt9Ck9GIHsr/CqENV4C+jhGOBp4mOj+.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  
```

```

    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username> ← Here for both types of users
    </wsse:UsernameToken>
  </wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetAckNotificationsResponse
    xmlns:ns10="http://www.irs.gov/a2a/mef/MeFStateService.xsd"/>
    <ns10:ErrorList>
      <ns10:Count2</ns10:Count>
      <ns10:SubmissionError>
        <ns10:SubmissionId>00123420060380000097</ns10:SubmissionId>
        <ns10:Error>
          <ns10:ErrorMessage>Backend system error</ns10:ErrorMessage>
          <ns10:ErrorClassification>SYSTEM_ERROR</ns10:ErrorClassification>
          <ns10:ErrorCode>SYSTEMI007500002</ns10:ErrorCode>
        </ns10:Error>
      </ns10:SubmissionError>
      <ns10:SubmissionError>
        <ns10:SubmissionId>00123420060380000098</ns10:SubmissionId>
        <ns10:Error>
          <ns10:ErrorMessage>Backend system error</ns10:ErrorMessage>
          <ns10:ErrorClassification>SYSTEM_ERROR</ns10:ErrorClassification>
          <ns10:ErrorCode>SYSTEMI007500002</ns10:ErrorCode>
        </ns10:Error>
      </ns10:SubmissionError>
    </ns10:ErrorList>
  </ns10:GetAckNotificationsResponse>
</e:Body>
</e:Envelope>

```

4.2.17 GetAckNotification Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000043</ns1:MessageID>
      <ns1:Action>GetAckNotification</ns1:Action>
      <ns1:Timestamp>2006-02-19T00:10:08.518Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
  <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
    secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
    wssecurity-utility-1.0.xsd">
    <wsu:Timestamp wsu:Id="id-18c3af8bed5e19dc01baad81fb818df521bee023">
      <wsu:Created>2006-02-08T22:56:44Z</wsu:Created>
    </wsu:Timestamp>
  </wsse:Security>

```



```

    <wsu:Expires>2006-02-08T23:11:44Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-045a7c92ec380e1e2d5473b6e36f339227ad10c5"
    IssueInstant="2006-02-08T22:56:44.886Z" Issuer="http://www.forumsys.com/sentry"
    MajorVersion="1" MinorVersion="1"
    xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-08T22:56:44.886Z"
      NotOnOrAfter="2006-02-08T23:11:44.886Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:56:44.886Z"
      AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
        AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          JvqVP0Z5XZWFf/1HE8XiMKfu87fxBRJDf0ILCfYpKnV17IF17EdnDHTy0Cjfo
          j0Wt9Ck9GIHsr/CqENV4C+jhGOBp4mOj+5BO426FikdtRhVRM46PkftMpbyn
          d9m2OtILfQckddHB/f9sNNW38qryb9YKNk8.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetAckNotificationRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">

```

```

    <SubmissionId>00123420060380000097</SubmissionId>
  </GetAckNotificationRequestArgs>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.18 GetAckNotification Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000043R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000043</ns0:RelatesTo>
      <ns0:Action>GetAckNotification</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:57:04Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-18c3af8bed5e19dc01baad81fb818df521bee023">
        <wsu:Created>2006-02-08T22:56:44Z</wsu:Created>
        <wsu:Expires>2006-02-08T23:11:44Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:56:44.886Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-045a7c92ec380e1e2d5473b6e36f339227ad10c5"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2006-02-08T23:11:44.886Z"
          NotBefore="2006-02-08T22:56:44.886Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:56:44.886Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
      </wsse:Security>
    </e:Header>
  </e:Envelope>

```



```

</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,OU=Internal Revenue Service,OU=Department of the Treasury,OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches</saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry" AttributeName="SMSESSION">
    <saml:AttributeValue>
      JvqVP0Z5XZWFf/1HE8XiMKfu87fxBRJDf0ILCfYpKnV17lF17EdnDHTy0Cjfoj0Wt9Ck9GIHsr/CqENV4C+jhGOBP4mOj+5BO426FikdtRhVRM46PkftMpbyn d9m2OtILfQckddHB/f9sNNW7we/V+i9KN.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetAckNotificationResponse xmlns:ns10="http://www.irs.gov/a2a/mef/MeFStateService.xsd"/>
</e:Body>
</e:Envelope>

```

4.2.19 GetSubmissionReconciliationList Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000002</ns1:MessageID>
      <ns1:Action>GetSubmissionReconciliationList</ns1:Action>
      <ns1:Timestamp>2006-02-24T09:53:51.237Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>

```

```

    <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
    IssueInstant="2006-02-08T22:39:28.567Z" Issuer="http://www.forumsys.com/sentry"
    MajorVersion="1" MinorVersion="1"
    xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-08T22:39:28.567Z"
      NotOnOrAfter="2006-02-08T22:54:28.567Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
      AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          O=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
        AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzRThDeGttFfZjnVrxs/ZDcfUUhiU1p
          9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMV2DJH
          Yp2D1oUCP58f4Av0t9yyBRhSKF.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetSubmissionReconciliationListRequest xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">

```

```

    <MaxResults>2</MaxResults>
    <Category>CORP</Category>
<!-- Note: The above element is optional and need not be present in the actual request -->
  </GetSubmissionReconciliationListRequest >
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.2.20 GetSubmissionReconciliationList Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFStateService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000002R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000002</ns0:RelatesTo>
      <ns0:Action>GetSubmissionReconciliationList</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:42:58Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-80bf7b190129b908ee31d5412acbbdc7d0b95998">
        <wsu:Created>2006-02-08T22:39:28Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:54:28Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:39:28.567Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-ce99a06ac772602bfc954e3b807e7519e9807d01"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2006-02-08T22:54:28.567Z"
          NotBefore="2006-02-08T22:39:28.567Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:39:28.567Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              O=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>

```

```

    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
    AttributeName="SMSESSION">
    <saml:AttributeValue>
      uOwaIfiL+JB6MXFKJMYKbvZfrU2h7eHzfZjnVr.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetSubmissionReconciliationListResponse
    xmlns:ns10="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <ns10:SubmissionId>00123420060320000057</ns10:SubmissionId>
    <ns10:SubmissionId>00123420060320000058</ns10:SubmissionId>
    <!-- Note: The above elements are optional and may or may not be present in the actual response -->
    <ns10:MoreAvailable>true</ns10:MoreAvailable>
  </ns10:GetSubmissionReconciliationListResponse>
</e:Body>
</e:Envelope>

```

4.3 Transmitter Services SOAP Messages

This section presents SOAP request and response message examples for the following Transmitter services:

- SendSubmissions
- GetNewAcks
- GetAcksByMsgID
- GetAcks
- GetAck
- GetNewSubmissionsStatus


```

<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:32:29.727Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      O=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIqoaactecA+pD58tRE4
      CT3aWu6NW74OEdrwq/VkAM9f9YeTL9si.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <SendSubmissionsRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <SubmissionDataList>
      <Count>2</Count>
      <SubmissionData>
        <SubmissionId>00123420060380000096</SubmissionId>
        <ElectronicPostmark>2006-01-31T13:34:50.113Z</ElectronicPostmark>
      </SubmissionData>
      <SubmissionData>
        <SubmissionId>00123420060380000097</SubmissionId>
        <ElectronicPostmark>2006-01-31T13:34:50.113Z</ElectronicPostmark>
      </SubmissionData>
    </SubmissionDataList>
  </SendSubmissionsRequest>
</SOAP-ENV:Body>

```



```

    </SendSubmissionsRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.2 SendSubmissions Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000020R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000020</ns0:RelatesTo>
      <ns0:Action>SendSubmissions</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:33:05Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-a2010a5da0d1d70a24272ee8d501e1ac85923f94">
        <wsu:Created>2006-02-08T22:32:29Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:47:29Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:32:29.727Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-0d586b6f305c53db2ddc635806029a676e140c59"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2006-02-08T22:47:29.727Z"
          NotBefore="2006-02-08T22:32:29.727Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:32:29.727Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
        </saml:AuthenticationStatement>
      </saml:Assertion>
    </wsse:Security>
  </e:Header>
  <ns0:SendSubmissionsResponse xmlns:ns0="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <ns0:MessageID>00123200603900000020R</ns0:MessageID>
    <ns0:RelatesTo>00123200603900000020</ns0:RelatesTo>
    <ns0:Action>SendSubmissions</ns0:Action>
    <ns0:Timestamp>2006-02-08T22:33:05Z</ns0:Timestamp>
    <ns0:ETIN>00123</ns0:ETIN>
    <ns0:SessionIndicator>Y</ns0:SessionIndicator>
    <ns0:TestIndicator>P</ns0:TestIndicator>
    <AppSysID>username</AppSysID>
  </ns0:SendSubmissionsResponse>
</e:Envelope>

```

```

    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
      AttributeName="SMSESSION">
      <saml:AttributeValue>
        nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIqoactecA+pD58tRE4
        CT3aWu6NW74OEdrwq/VkAM9f9YeTL9si.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
  </wsse:Security>
</e:Header>
<e:Body>
  <ns10:SendSubmissionsResponse
    xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"/>
</e:Body>
</e:Envelope>

```

4.3.3 GetNewAcks Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000031</ns1:MessageID>
      <ns1:Action>GetNewAcks</ns1:Action>
      <ns1:Timestamp>2006-02-21T23:03:19.055Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dadcd197c70a375502fd7af939d6344fd46">

```



```

<wsu:Created>2006-02-08T22:54:14Z</wsu:Created>
<wsu:Expires>2006-02-08T23:09:14Z</wsu:Expires>
</wsu:Timestamp>
<saml:Assertion AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
IssueInstant="2006-02-08T22:54:14.572Z" Issuer="http://www.forumsys.com/sentry"
MajorVersion="1" MinorVersion="1"
xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
<saml:Conditions NotBefore="2006-02-08T22:54:14.572Z"
NotOnOrAfter="2006-02-08T23:09:14.572Z">
<saml:DoNotCacheCondition/>
</saml:Conditions>
<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:54:14.572Z"
AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
<saml:Subject>
<saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
OU=Internal Revenue Service,OU=Department of the Treasury,
OU=U.S. Government,C=US</saml:NameIdentifier>
<saml:SubjectConfirmation>
<saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
</saml:ConfirmationMethod>
</saml:SubjectConfirmation>
</saml:Subject>
<saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
<saml:Subject>
<saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
OU=Internal Revenue Service,OU=Department of the Treasury,
OU=U.S. Government,C=US</saml:NameIdentifier>
<saml:SubjectConfirmation>
<saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
</saml:ConfirmationMethod>
</saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
AttributeNameNamespace="http://www.forumsys.com/sentry">
<saml:AttributeValue>
Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
wFIItFbHnk9DWVzyBvsFXIbNihLtvnT1tKfc5.....</saml:AttributeValue>
</saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
<wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
<GetNewAcksRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">

```

```

    <MaxResults>2</MaxResults>
    <Category>CORP</Category>
    <Agency>Federal</Agency>
  </GetNewAcksRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.4 GetNewAcks Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000031R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000031</ns0:RelatesTo>
      <ns0:Action>GetNewAcks</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:54:19Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
        <wsu:Created>2006-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2006-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:54:14.572Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2006-02-08T23:09:14.572Z"
          NotBefore="2006-02-08T22:54:14.572Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:54:14.572Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
          </saml:SubjectConfirmation>

```

```

    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
      AttributeName="SMSESSION">
      <saml:AttributeValue>
        Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwvp0Gwka
        u/9qIAQcvCp+KqCW5Z8N..... </saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetNewAcksResponse xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <ns10:MoreAvailable>true</ns10:MoreAvailable>
  </ns10:GetNewAcksResponse>
</e:Body>
</e:Envelope>

```

4.3.5 Get Acks by Message ID Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000032</ns1:MessageID>
      <ns1:Action>GetAcksByMsgID</ns1:Action>
      <ns1:Timestamp>2006-01-30T19:12:40.557Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>

```

```

<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
    <wsu:Created>2006-02-08T22:54:14Z</wsu:Created>
    <wsu:Expires>2006-02-08T23:09:14Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
  IssueInstant="2006-02-08T22:54:14.572Z" Issuer="http://www.forumsys.com/sentry"
  MajorVersion="1" MinorVersion="1"
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-08T22:54:14.572Z"
    NotOnOrAfter="2006-02-08T23:09:14.572Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:54:14.572Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
          wFItFbHnk9DWVzyBvsFXIbNihLtnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
          u/9qIAQcvCp+KqCW5Z8N0.....</saml:AttributeValue>
        </saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>

```

```

    </wsse:UsernameToken>
  </wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetAcksByMsgIDRequest xmlns="http://www.irs.gov/a2a/mef/MeFTranmitterService.xsd">
    <MessageID>00123200603900000031</MessageID>
  </GetAcksByMsgIDRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.6 Get Acks by Message ID Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFTranmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000032R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000032</ns0:RelatesTo>
      <ns0:Action>GetAcksByMsgID</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:54:26Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dadcd197c70a375502fd7af939d6344fd46">
        <wsu:Created>2006-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2006-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:54:14.572Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2006-02-08T23:09:14.572Z"
          NotBefore="2006-02-08T22:54:14.572Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:54:14.572Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>

```

```

        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
    </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
</saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
    <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
            format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
            OU=Internal Revenue Service,OU=Department of the Treasury,
            OU=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
        AttributeName="SMSESSION">
        <saml:AttributeValue>
            Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
            wFItFbHnk9DWVzyBvsFXIbNihLtvnT1tKfc52EI.....</saml:AttributeValue>
        </saml:Attribute>
    </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
    <ns10:GetAcksByMsgIDResponse xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
        <ns10:MoreAvailable>>false</ns10:MoreAvailable>
    </ns10:GetAcksByMsgIDResponse>
</e:Body>
</e:Envelope>

```

4.3.7 GetAcks Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <SOAP-ENV:Header>
        <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
            <ns1:MessageID>00123200603900000033</ns1:MessageID>
            <ns1:Action>GetAcks</ns1:Action>
            <ns1:Timestamp>2006-02-26T14:20:42.526Z</ns1:Timestamp>
            <ns1:ETIN>00123</ns1:ETIN>
            <ns1:SessionIndicator>Y</ns1:SessionIndicator>
            <ns1:TestIndicator>P</ns1:TestIndicator>
            <AppSysID>username</AppSysID> ← For Strong Authentication users
        </ns1:MeF>
    </SOAP-ENV:Header>

```



```

</ns1:MeF>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
    <wsu:Created>2006-02-08T22:54:14Z</wsu:Created>
    <wsu:Expires>2006-02-08T23:09:14Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
  IssueInstant="2006-02-08T22:54:14.572Z" Issuer="http://www.forumsys.com/sentry"
  MajorVersion="1" MinorVersion="1"
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotBefore="2006-02-08T22:54:14.572Z"
    NotOnOrAfter="2006-02-08T23:09:14.572Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:54:14.572Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
        <saml:AttributeValue>
          Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
          wFItFbHnk9DWVzyBvsFXIbNihLtnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
          u/9qIAQcvCp+KqCW5Z8N0P.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  </wsse:Security>

```

```

    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetAcksRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <SubmissionIdList>
      <Count>2</Count>
      <SubmissionId>00123420060380000096</SubmissionId>
      <SubmissionId>00123420060380000097</SubmissionId>
    </SubmissionIdList>
  </GetAcksRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.8 GetAcks Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000033R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000033</ns0:RelatesTo>
      <ns0:Action>GetAcks</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:54:31Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wss="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
        <wsu:Created>2006-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2006-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:54:14.572Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2006-02-08T23:09:14.572Z"
          NotBefore="2006-02-08T22:54:14.572Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:54:14.572Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>

```



```

<saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
  format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
  OU=Internal Revenue Service,OU=Department of the Treasury,
  OU=U.S. Government,C=US</saml:NameIdentifier>
<saml:SubjectConfirmation>
  <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
  </saml:ConfirmationMethod>
</saml:SubjectConfirmation>
</saml:Subject>
<saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
    AttributeName="SMSESSION">
    <saml:AttributeValue>
      Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwvp0Gwka
      wFItFbHnk9DWWVzyBvsFXIbNihLtnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
      u/9qIAQcvCp+KqCW5Z8N0P+.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetAcksResponse xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <ns10:ErrorList>
      <ns10:Count>0</ns10:Count>
      <ns10:SubmissionError i:nil="true"/>
    <!-- Note: The above element is optional and may or may not be present in the actual response -->
    </ns10:ErrorList>
  </ns10:GetAcksResponse>
</e:Body>
</e:Envelope>

```

4.3.9 GetAck Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000034</ns1:MessageID>
      <ns1:Action>GetAck</ns1:Action>
      <ns1:Timestamp>2006-01-19T21:27:25.696Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
        <wsu:Created>2006-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2006-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
        IssueInstant="2006-02-08T22:54:14.572Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T22:54:14.572Z"
          NotOnOrAfter="2006-02-08T23:09:14.572Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:54:14.572Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
  
```

```

        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
    </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
        Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
        wFltFbHnk9DWVzyBvsFXIbNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0P.....</saml:AttributeValue>
    </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
    <GetAckRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
        <SubmissionId>00123420060380000096</SubmissionId>
    </GetAckRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.10 GetAck Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"
    xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
    xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:d="http://www.w3.org/2001/XMLSchema">
    <e:Header>
        <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
            <ns0:MessageID>00123200603900000034R</ns0:MessageID>
            <ns0:RelatesTo>00123200603900000034</ns0:RelatesTo>
            <ns0:Action>GetAck</ns0:Action>
            <ns0:Timestamp>2006-02-08T22:54:36Z</ns0:Timestamp>
            <ns0:ETIN>00123</ns0:ETIN>
            <ns0:SessionIndicator>Y</ns0:SessionIndicator>
            <ns0:TestIndicator>P</ns0:TestIndicator>
            <AppSysID>username</AppSysID> ← For Strong Authentication users
        </ns0:MeF>
        <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
            secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
            wssecurity-utility-1.0.xsd">
            <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
                <wsu:Created>2006-02-08T22:54:14Z</wsu:Created>
                <wsu:Expires>2006-02-08T23:09:14Z</wsu:Expires>
            </wsu:Timestamp>

```

```

<saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:54:14.572Z"
  Issuer="http://www.forumsys.com/sentry"
  AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
  MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
  <saml:Conditions NotOnOrAfter="2006-02-08T23:09:14.572Z"
    NotBefore="2006-02-08T22:54:14.572Z">
    <saml:DoNotCacheCondition/>
  </saml:Conditions>
  <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:54:14.572Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
      AttributeName="SMSESSION">
      <saml:AttributeValue>
        Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
        wFIItFbHnk9DWVzyBvsFXIbNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0P.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetAckResponse xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"/>
</e:Body>
</e:Envelope>

```

4.3.11 GetNewSubmissionsStatus Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000021</ns1:MessageID>
      <ns1:Action>GetNewSubmissionsStatus</ns1:Action>
      <ns1:Timestamp>2006-01-18T20:42:13.189Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-a2010a5da0d1d70a24272ee8d501e1ac85923f94">
        <wsu:Created>2006-02-08T22:32:29Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:47:29Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-0d586b6f305c53db2ddc635806029a676e140c59"
        IssueInstant="2006-02-08T22:32:29.727Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T22:32:29.727Z"
          NotOnOrAfter="2006-02-08T22:47:29.727Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:32:29.727Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>

```

```

        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
        nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIIqoaactecA+pD58tRE4
        CT3aWu6NW74OEdrwq/VkAM9f9YeTL9siBfdZiM8hPOr+qastRGNWOhmHB
        setw4MI6cA31lszwqGxSNnwLgatKU.....</saml:AttributeValue>
    </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
    <GetNewSubmissionsStatusRequest
        xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
        <MaxResults>2</MaxResults>
    </GetNewSubmissionsStatusRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.12 GetNewSubmissionsStatus Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"
    xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
    xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:d="http://www.w3.org/2001/XMLSchema">
    <e:Header>
        <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
            <ns0:MessageID>00123200603900000021R</ns0:MessageID>
            <ns0:RelatesTo>00123200603900000021</ns0:RelatesTo>
            <ns0:Action>GetNewSubmissionsStatus</ns0:Action>
            <ns0:Timestamp>2006-02-08T22:33:22Z</ns0:Timestamp>
            <ns0:ETIN>00123</ns0:ETIN>
            <ns0:SessionIndicator>Y</ns0:SessionIndicator>
            <ns0:TestIndicator>P</ns0:TestIndicator>
            <AppSysID>username</AppSysID> ← For Strong Authentication users
        </ns0:MeF>
        <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
            secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
            wssecurity-utility-1.0.xsd">
            <wsu:Timestamp wsu:Id="id-a2010a5da0d1d70a24272ee8d501e1ac85923f94">
                <wsu:Created>2006-02-08T22:32:29Z</wsu:Created>
                <wsu:Expires>2006-02-08T22:47:29Z</wsu:Expires>
            </wsu:Timestamp>

```



```

<saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:32:29.727Z"
  Issuer="http://www.forumsys.com/sentry"
  AssertionID="id-0d586b6f305c53db2ddc635806029a676e140c59"
  MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
  <saml:Conditions NotOnOrAfter="2006-02-08T22:47:29.727Z"
    NotBefore="2006-02-08T22:32:29.727Z">
    <saml:DoNotCacheCondition/>
  </saml:Conditions>
  <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:32:29.727Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
      AttributeName="SMSESSION">
      <saml:AttributeValue>
        nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIqoaactecA+pD58tRE4
        CT3aWu6NW74OEdrwq/VkAM9f9YeTL9siBfdZiM8hPOr+qastRGNWOhmHB
        setw4MI6cA31lszwqGxSNnwLgatKUd.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetNewSubmissionsStatusResponse
    xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <ns10:MoreAvailable>true</ns10:MoreAvailable>

```

```

    </ns10:GetNewSubmissionsStatusResponse>
  </e:Body>
</e:Envelope>

```

4.3.13 GetSubmissionsStatus Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000023</ns1:MessageID>
      <ns1:Action>GetSubmissionsStatus</ns1:Action>
      <ns1:Timestamp>2006-01-28T11:35:20.165Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-a2010a5da0d1d70a24272ee8d501e1ac85923f94">
        <wsu:Created>2006-02-08T22:32:29Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:47:29Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-0d586b6f305c53db2ddc635806029a676e140c59"
        IssueInstant="2006-02-08T22:32:29.727Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T22:32:29.727Z"
          NotOnOrAfter="2006-02-08T22:47:29.727Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:32:29.727Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
        </saml:AuthenticationStatement>
      </saml:Assertion>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000023</ns1:MessageID>
      <ns1:Action>GetSubmissionsStatus</ns1:Action>
      <ns1:Timestamp>2006-01-28T11:35:20.165Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID>
    </ns1:MeF>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```



```

    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
      <saml:AttributeValue>
        nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIqoactecA+pD58tRE4
        CT3aWu6NW74OEdrwq/VkAM9f9YeTL9siBfdZiM8hPQR+qastRGNWOhmHB
        setw4MI6cA31lszwqGxSNnwLgatKUd.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetSubmissionsStatusRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <SubmissionIdList>
      <Count>2</Count>
      <SubmissionId>00123420060380000096</SubmissionId>
      <SubmissionId>00123420060380000097</SubmissionId>
    </SubmissionIdList>
  </GetSubmissionsStatusRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.14 GetSubmissionsStatus Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200603900000023R</ns0:MessageID>
      <ns0:RelatesTo>00123200603900000023</ns0:RelatesTo>
      <ns0:Action>GetSubmissionsStatus</ns0:Action>
      <ns0:Timestamp>2006-02-08T22:33:45Z</ns0:Timestamp>
    </ns0:MeF>
  </e:Header>

```

```

<ns0:ETIN>00123</ns0:ETIN>
<ns0:SessionIndicator>Y</ns0:SessionIndicator>
<ns0:TestIndicator>P</ns0:TestIndicator>
<AppSysID>username</AppSysID>    ← For Strong Authentication users
</ns0:MeF>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secect-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-utility-1.0.xsd">
  <wsu:Timestamp wsu:Id="id-a2010a5da0d1d70a24272ee8d501e1ac85923f94">
    <wsu:Created>2006-02-08T22:32:29Z</wsu:Created>
    <wsu:Expires>2006-02-08T22:47:29Z</wsu:Expires>
  </wsu:Timestamp>
  <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:32:29.727Z"
    Issuer="http://www.forumsys.com/sentry"
    AssertionID="id-0d586b6f305c53db2ddc635806029a676e140c59"
    MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
    <saml:Conditions NotOnOrAfter="2006-02-08T22:47:29.727Z"
      NotBefore="2006-02-08T22:32:29.727Z">
      <saml:DoNotCacheCondition/>
    </saml:Conditions>
    <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:32:29.727Z"
      AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          OU=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:SubjectLocality IPAddress="123.34.56.789"/>
    </saml:AuthenticationStatement>
    <saml:AttributeStatement>
      <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
          format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
          OU=Internal Revenue Service,OU=Department of the Treasury,
          OU=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
          <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
          </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
      </saml:Subject>
      <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
        AttributeName="SMSESSION">
        <saml:AttributeValue>
          nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIqoaactecA+pD58tRE4
          CT3aWu6NW74OEdrwq/VkAM9f9YeTL9siBfdZiM8hPOr+qastRGNWOhmHB
          setw4MI6cA31lszwqGxSNnwLgatKUdZ1.....</saml:AttributeValue>
        </saml:AttributeValue>
      </saml:AttributeStatement>
    </saml:Assertion>
  </wsse:Security>

```

```

        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username> ← Here for both types of users
    </wsse:UsernameToken>
  </wsse:Security>
</e:Header>
<e:Body>
  <ns10:GetSubmissionsStatusResponse
    xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <ns10:ErrorList>
      <ns10:Count>0</ns10:Count>
      <ns10:SubmissionError i:nil="true"/>
    <!-- Note: The above element is optional and may or may not be present in the actual response -->
    </ns10:ErrorList>
  </ns10:GetSubmissionsStatusResponse>
</e:Body>
</e:Envelope>

```

4.3.15 GetSubmissionStatus Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200603900000022</ns1:MessageID>
      <ns1:Action>GetSubmissionStatus</ns1:Action>
      <ns1:Timestamp>2006-02-18T15:17:34.030Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-a2010a5da0d1d70a24272ee8d501e1ac85923f94">
        <wsu:Created>2006-02-08T22:32:29Z</wsu:Created>
        <wsu:Expires>2006-02-08T22:47:29Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-0d586b6f305c53db2ddc635806029a676e140c59"
        IssueInstant="2006-02-08T22:32:29.727Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2006-02-08T22:32:29.727Z"
          NotOnOrAfter="2006-02-08T22:47:29.727Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>

```

```

<saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:32:29.727Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIqoaactecA+pD58tRE4
      CT3aWu6NW74OEdrwq/VkAM9f9YeTL9siBfdZiM8hPOr+qastRGNWOhmHB
      setw4MI6cA31lszwqGxSNnwLgatKUd.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetSubmissionStatusRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <SubmissionId>00123420060380000096</SubmissionId>
  </GetSubmissionStatusRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.16 GetSubmissionStatus Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"

```

```

xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:d="http://www.w3.org/2001/XMLSchema"
<e:Header>
  <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
    <ns0:MessageID>00123200603900000022R</ns0:MessageID>
    <ns0:RelatesTo>00123200603900000022</ns0:RelatesTo>
    <ns0:Action>GetSubmissionStatus</ns0:Action>
    <ns0:Timestamp>2006-02-08T22:33:35Z</ns0:Timestamp>
    <ns0:ETIN>00123</ns0:ETIN>
    <ns0:SessionIndicator>Y</ns0:SessionIndicator>
    <ns0:TestIndicator>P</ns0:TestIndicator>
    <AppSysID>username</AppSysID>      ← For Strong Authentication users
  </ns0:MeF>
  <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
    secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
    wssecurity-utility-1.0.xsd">
    <wsu:Timestamp wsu:Id="id-a2010a5da0d1d70a24272ee8d501e1ac85923f94">
      <wsu:Created>2006-02-08T22:32:29Z</wsu:Created>
      <wsu:Expires>2006-02-08T22:47:29Z</wsu:Expires>
    </wsu:Timestamp>
    <saml:Assertion MajorVersion="1" IssueInstant="2006-02-08T22:32:29.727Z"
      Issuer="http://www.forumsys.com/sentry"
      AssertionID="id-0d586b6f305c53db2ddc635806029a676e140c59"
      MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
      <saml:Conditions NotOnOrAfter="2006-02-08T22:47:29.727Z"
        NotBefore="2006-02-08T22:32:29.727Z">
        <saml:DoNotCacheCondition/>
      </saml:Conditions>
      <saml:AuthenticationStatement AuthenticationInstant="2006-02-08T22:32:29.727Z"
        AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
        <saml:Subject>
          <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
            format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
            OU=Internal Revenue Service,OU=Department of the Treasury,
            OU=U.S. Government,C=US</saml:NameIdentifier>
          <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
          </saml:SubjectConfirmation>
        </saml:Subject>
        <saml:SubjectLocality IPAddress="123.34.56.789"/>
      </saml:AuthenticationStatement>
      <saml:AttributeStatement>
        <saml:Subject>
          <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
            format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
            OU=Internal Revenue Service,OU=Department of the Treasury,
            OU=U.S. Government,C=US</saml:NameIdentifier>
          <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>

```

```

        </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
        AttributeName="SMSESSION">
        <saml:AttributeValue>
            nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIIqoaactecA+pD58tRE4
            CT3aWu6NW74OEdrwq/VkAM9f9YeTL9siBfdZiM8hPOr+qastRGNWOhmHB
            setw4MI6cA31lszwqGxSNnwLgatK.....</saml:AttributeValue>
        </saml:Attribute>
    </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
    <ns10:GetSubmissionStatusResponse
        xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"/>
    </e:Body>
</e:Envelope>

```

4.3.17 GetNew2290Schedule1 Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <SOAP-ENV:Header>
        <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
            <ns1:MessageID>00123200703900000031</ns1:MessageID>
            <ns1:Action>GetNew2290Schedule1s</ns1:Action>
            <ns1:Timestamp>2007-02-21T23:03:19.055Z</ns1:Timestamp>
            <ns1:ETIN>00123</ns1:ETIN>
            <ns1:SessionIndicator>Y</ns1:SessionIndicator>
            <ns1:TestIndicator>P</ns1:TestIndicator>
            <AppSysID>username</AppSysID> ← For Strong Authentication users
        </ns1:MeF>
        <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
            secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
            wssecurity-utility-1.0.xsd">
            <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
                <wsu:Created>2007-02-08T22:54:14Z</wsu:Created>
                <wsu:Expires>2007-02-08T23:09:14Z</wsu:Expires>
            </wsu:Timestamp>
            <saml:Assertion AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
                IssueInstant="2007-02-08T22:54:14.572Z" Issuer="http://www.forumsys.com/sentry"
                MajorVersion="1" MinorVersion="1"
                xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
                <saml:Conditions NotBefore="2007-02-08T22:54:14.572Z"
                    NotOnOrAfter="2007-02-08T23:09:14.572Z">
                    <saml:DoNotCacheCondition/>
                </saml:Conditions>
            </saml:Assertion>
        </wsse:Security>
    </SOAP-ENV:Header>
    <SOAP-ENV:Body>
        <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
            <ns1:MessageID>00123200703900000031</ns1:MessageID>
            <ns1:Action>GetNew2290Schedule1s</ns1:Action>
            <ns1:Timestamp>2007-02-21T23:03:19.055Z</ns1:Timestamp>
            <ns1:ETIN>00123</ns1:ETIN>
            <ns1:SessionIndicator>Y</ns1:SessionIndicator>
            <ns1:TestIndicator>P</ns1:TestIndicator>
            <AppSysID>username</AppSysID>
        </ns1:MeF>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```



```

</saml:Conditions>
<saml:AuthenticationStatement AuthenticationInstant="2007-02-08T22:54:14.572Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
      wFItFbHnk9DWVzyBvsFX1bNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
      u/9qIAQcvCp+KqCW5Z8NhryS0GS2YAckFy.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetNew2290Schedule1sRequest
    xmlns="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd">
    <MaxResults>3</MaxResults>
  </GetNew2290Schedule1sRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.18 GetNew2290Schedule1s Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200703900000031R</ns0:MessageID>
      <ns0:RelatesTo>00123200703900000031</ns0:RelatesTo>
      <ns0:Action>GetNew2290Schedule1s</ns0:Action>
      <ns0:Timestamp>2007-02-08T22:54:19Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID>      ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
        <wsu:Created>2007-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2007-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2007-02-08T22:54:14.572Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2007-02-08T23:09:14.572Z"
          NotBefore="2007-02-08T22:54:14.572Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2007-02-08T22:54:14.572Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
  
```



```

        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
</saml:Subject>
<saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
    AttributeName="SMSESSION">
    <saml:AttributeValue>
        Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTlOwpv0Gwka
        u/9qIAQcvCp+KqCW5Z8N..... </saml:AttributeValue>
    </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
    <ns10:GetNew2290Schedule1sResponse
        xmlns:ns10="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd">
        <ns10:Count>3</ns10:Count>
        <ns10:MoreAvailable>true</ns10:MoreAvailable>
    </ns10: GetNew2290Schedule1sResponse>
</e:Body>
</e:Envelope>

```

4.3.19 Get2290Schedule1sByMsgID Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <SOAP-ENV:Header>
        <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
            <ns1:MessageID>00123200703900000032</ns1:MessageID>
            <ns1:Action>Get2290Schedule1sByMsgID</ns1:Action>
            <ns1:Timestamp>2007-01-30T19:12:40.557Z</ns1:Timestamp>
            <ns1:ETIN>00123</ns1:ETIN>
            <ns1:SessionIndicator>Y</ns1:SessionIndicator>
            <ns1:TestIndicator>P</ns1:TestIndicator>
            <AppSysID>username</AppSysID> ← For Strong Authentication users
        </ns1:MeF>
        <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
            secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
            wssecurity-utility-1.0.xsd">
            <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
                <wsu:Created>2007-02-08T22:54:14Z</wsu:Created>
                <wsu:Expires>2007-02-08T23:09:14Z</wsu:Expires>
            </wsu:Timestamp>

```

```

<saml:Assertion AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
  IssueInstant="2007-02-08T22:54:14.572Z" Issuer="http://www.forumsys.com/sentry"
  MajorVersion="1" MinorVersion="1"
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
  <saml:Conditions NotBefore="2007-02-08T22:54:14.572Z"
    NotOnOrAfter="2007-02-08T23:09:14.572Z">
    <saml:DoNotCacheCondition/>
  </saml:Conditions>
  <saml:AuthenticationStatement AuthenticationInstant="2007-02-08T22:54:14.572Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
      <saml:AttributeValue>
        Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
        wFItFbHnk9DWVzyBvsFXIbNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <Get2290Schedule1sByMsgIDRequest
    xmlns="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd">
    <MessageID>00123200703900000031</MessageID>
  </Get2290Schedule1sByMsgIDRequest>
</SOAP-ENV:Body>

```

```

    </Get2290Schedule1sByMsgIDRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.20 Get2290Schedule1sByMsgID Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200703900000032R</ns0:MessageID>
      <ns0:RelatesTo>00123200703900000032</ns0:RelatesTo>
      <ns0:Action>Get2290Schedule1sByMsgID</ns0:Action>
      <ns0:Timestamp>2007-02-08T22:54:26Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dadcd197c70a375502fd7af939d6344fd46">
        <wsu:Created>2007-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2007-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2007-02-08T22:54:14.572Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2007-02-08T23:09:14.572Z"
          NotBefore="2007-02-08T22:54:14.572Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2007-02-08T22:54:14.572Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>

```

```

<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,OU=Internal Revenue Service,OU=Department of the Treasury,OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches</saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry" AttributeName="SMSESSION">
    <saml:Attribute Value="Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTlOwpv0Gwka wFitFbHnk9DWVzyBvsFXIbNihLtvnT1tKfc52EI.....">
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10:Get2290Schedule1sByMsgIDResponse
    xmlns:ns10="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd">
    <ns10:Count>3</ns10:Count>
    <ns10:MoreAvailable>true</ns10:MoreAvailable>
  </ns10:Get2290Schedule1sByMsgIDResponse>
</e:Body>
</e:Envelope>

```

4.3.21 Get2290Schedule1s Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200703900000033</ns1:MessageID>
      <ns1:Action>Get2290Schedule1s</ns1:Action>
      <ns1:Timestamp>2007-02-26T14:20:42.526Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

```

```

<wsu:Timestamp wsu:Id="id-d19272dadcd197c70a375502fd7af939d6344fd46">
  <wsu:Created>2007-02-08T22:54:14Z</wsu:Created>
  <wsu:Expires>2007-02-08T23:09:14Z</wsu:Expires>
</wsu:Timestamp>
<saml:Assertion AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
  IssueInstant="2007-02-08T22:54:14.572Z" Issuer="http://www.forumsys.com/sentry"
  MajorVersion="1" MinorVersion="1"
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
  <saml:Conditions NotBefore="2007-02-08T22:54:14.572Z"
    NotOnOrAfter="2007-02-08T23:09:14.572Z">
    <saml:DoNotCacheCondition/>
  </saml:Conditions>
  <saml:AuthenticationStatement AuthenticationInstant="2007-02-08T22:54:14.572Z"
    AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
  </saml:AuthenticationStatement>
  <saml:AttributeStatement>
    <saml:Subject>
      <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
        format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
        OU=Internal Revenue Service,OU=Department of the Treasury,
        OU=U.S. Government,C=US</saml:NameIdentifier>
      <saml:SubjectConfirmation>
        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeName="SMSESSION"
      AttributeNamespace="http://www.forumsys.com/sentry">
      <saml:AttributeValue>
        Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTlOwpv0Gwka
        wFItFbHnk9DWVzyBvsFXIbNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0P.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>

```

```

<SOAP-ENV:Body>
  <Get2290Schedule1sRequest xmlns="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd">
    <SubmissionIdList>
      <SubmissionId>0034562007200any7dig</SubmissionId>
      <SubmissionId>0034562007200seven12</SubmissionId>
    </SubmissionIdList>
  </Get2290Schedule1sRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.22 Get2290Schedule1s Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200703900000033R</ns0:MessageID>
      <ns0:RelatesTo>00123200703900000033</ns0:RelatesTo>
      <ns0:Action>Get2290Schedule1s</ns0:Action>
      <ns0:Timestamp>2007-02-08T22:54:31Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dad197c70a375502fd7af939d6344fd46">
        <wsu:Created>2007-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2007-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2007-02-08T22:54:14.572Z"
        Issuer="http://www.forumsys.com/sentry"
        AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
        MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotOnOrAfter="2007-02-08T23:09:14.572Z"
          NotBefore="2007-02-08T22:54:14.572Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2007-02-08T22:54:14.572Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>

```



```

        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
    </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
</saml:Subject>
    <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
    <saml:Subject>
        <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
            format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
            OU=Internal Revenue Service,OU=Department of the Treasury,
            OU=U.S. Government,C=US</saml:NameIdentifier>
        <saml:SubjectConfirmation>
            <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
        </saml:ConfirmationMethod>
        </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
        AttributeName="SMSESSION">
        <saml:AttributeValue>
            Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
            wFItFbHnk9DWVzyBvsFX1bNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
            u/9qIAQcvCp+KqCW5Z8N0P+.....</saml:AttributeValue>
        </saml:Attribute>
    </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
    <ns10:Get2290Schedule1sResponse
        xmlns:ns10="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd">
        <ns10:Count>1</ns10:Count>
        <ns10:ListOfSubmissionError>
            <ns10:SubmissionError>
                <ns10:SubmissionId>0034562007200seven12</ns10:SubmissionId>
                <ns10:Error>
                    <ns10:ErrorMessage>Backend system error</ns10:ErrorMessage>
                    <ns10:ErrorClassification>SYSTEM_ERROR</ns10:ErrorClassification>
                    <ns10:ErrorCode>SYSTMIO07500002</ns10:ErrorCode>
                </ns10:Error>
            </ns10:SubmissionError>
        </ns10:ListOfSubmissionError>
    </ns10:Get2290Schedule1sResponse>
</e:Body>
</e:Envelope>

```

4.3.23 Get2290Schedule1 Service Request Message

```

<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <ns1:MeF xmlns:ns1="http://www.irs.gov/a2a/mef/MeFHeader.xsd">
      <ns1:MessageID>00123200703900000034</ns1:MessageID>
      <ns1:Action>Get2290Schedule1</ns1:Action>
      <ns1:Timestamp>2007-01-19T21:27:25.696Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns1:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dadc197c70a375502fd7af939d6344fd46">
        <wsu:Created>2007-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2007-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
        IssueInstant="2007-02-08T22:54:14.572Z" Issuer="http://www.forumsys.com/sentry"
        MajorVersion="1" MinorVersion="1"
        xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
        <saml:Conditions NotBefore="2007-02-08T22:54:14.572Z"
          NotOnOrAfter="2007-02-08T23:09:14.572Z">
          <saml:DoNotCacheCondition/>
        </saml:Conditions>
        <saml:AuthenticationStatement AuthenticationInstant="2007-02-08T22:54:14.572Z"
          AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
              <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
            </saml:ConfirmationMethod>
            </saml:SubjectConfirmation>
          </saml:Subject>
          <saml:SubjectLocality IPAddress="123.34.56.789"/>
        </saml:AuthenticationStatement>
        <saml:AttributeStatement>
          <saml:Subject>
            <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
              format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
              OU=Internal Revenue Service,OU=Department of the Treasury,
              OU=U.S. Government,C=US</saml:NameIdentifier>
            <saml:SubjectConfirmation>
  
```



```

        <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeName="SMSESSION"
    AttributeNamespace="http://www.forumsys.com/sentry">
    <saml:AttributeValue>
      Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwpv0Gwka
      wFItFbHnk9DWVzyBvsFXIbNihLtvnT.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <Get2290Schedule1Request xmlns="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd">
    <SubmissionId>00123420070380000096</SubmissionId>
  </Get2290Schedule1Request>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.3.24 Get2290Schedule1 Service Response Message

```

<?xml version="1.0" encoding="UTF-8"?>
<e:Envelope xmlns:wn1="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd"
  xmlns:wn0="http://www.irs.gov/a2a/mef/MeFHeader.xsd"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:e="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:d="http://www.w3.org/2001/XMLSchema">
  <e:Header>
    <ns0:MeF xmlns:ns0="http://www.irs.gov/MeF/MeFHeader.xsd">
      <ns0:MessageID>00123200703900000034R</ns0:MessageID>
      <ns0:RelatesTo>00123200703900000034</ns0:RelatesTo>
      <ns0:Action>Get2290Schedule1</ns0:Action>
      <ns0:Timestamp>2007-02-08T22:54:36Z</ns0:Timestamp>
      <ns0:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <AppSysID>username</AppSysID> ← For Strong Authentication users
    </ns0:MeF>
    <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
      secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
      wssecurity-utility-1.0.xsd">
      <wsu:Timestamp wsu:Id="id-d19272dadcd197c70a375502fd7af939d6344fd46">
        <wsu:Created>2007-02-08T22:54:14Z</wsu:Created>
        <wsu:Expires>2007-02-08T23:09:14Z</wsu:Expires>
      </wsu:Timestamp>
      <saml:Assertion MajorVersion="1" IssueInstant="2007-02-08T22:54:14.572Z"
        Issuer="http://www.forumsys.com/sentry"

```

```

AssertionID="id-bece5c1f6a8bef59ec775294472bae14455e57e9"
MinorVersion="1" xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
<saml:Conditions NotOnOrAfter="2007-02-08T23:09:14.572Z"
  NotBefore="2007-02-08T22:54:14.572Z">
  <saml:DoNotCacheCondition/>
</saml:Conditions>
<saml:AuthenticationStatement AuthenticationInstant="2007-02-08T22:54:14.572Z"
  AuthenticationMethod="urn:oasis:names:tc:SAML:1.0:am:password">
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:SubjectLocality IPAddress="123.34.56.789"/>
</saml:AuthenticationStatement>
<saml:AttributeStatement>
  <saml:Subject>
    <saml:NameIdentifier Format="urn:oasis:names:tc:SAML:1.1:nameid-
      format:X509SubjectName">UID=username,OU=irsA2ASystem,OU=External,
      OU=Internal Revenue Service,OU=Department of the Treasury,
      OU=U.S. Government,C=US</saml:NameIdentifier>
    <saml:SubjectConfirmation>
      <saml:ConfirmationMethod>urn:oasis:names:tc:SAML:1.0:cm:sender-vouches
      </saml:ConfirmationMethod>
    </saml:SubjectConfirmation>
  </saml:Subject>
  <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
    AttributeName="SMSESSION">
    <saml:AttributeValue>
      Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTIOwvpv0Gwka
      wFItFbHnk9DWVzyBvsFXIbNihLtvnT.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here for both types of users
</wsse:UsernameToken>
</wsse:Security>
</e:Header>
<e:Body>
  <ns10: Get2290Schedule1Response
    xmlns:ns10="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd"/>
</e:Body>
</e:Envelope>

```

Section 5. Fault Responses and Internal-Use Error Messages

This section presents SOAP Fault response and log error message examples for the MeF Web services.

5.1 Fault Responses Generated by the XML Gateway

The XML Gateway COTS product performs much of the SOAP message validation based on Intrusion Detection and Prevention (IDP) rules configured in the XML Gateway configuration setup. All the error messages generated by the XML gateway when a SOAP request is rejected by the XML Gateway are based on the Intrusion Detection and Prevention (IDP) rules. If the SWAS application throws an exception (SOAP fault) while it is processing the SOAP request, the XML gateway relays the SOAP fault to the client. The entire communication lifecycle of an XML document is captured in the XML gateway logs and sent to the remote syslogs that are processed by the Log File Collector. The logs include transmission rejects, exceptions thrown by the SWAS application and all the alert messages generated by the XML Gateway.

The XML Gateway has a default set of nine IDP rules, and five new custom IDP rules have been configured to meet the requirements to mitigate XML threats as defined in the MeF 3.2 XML Gateway Infrastructure Requirements spreadsheet.

The nine default IDP rules are

1. Authentication Failure IDP Rule (Authentication failed)
2. Authorization Failure IDP Rule (Unauthorized access)
3. Invalid HTTP Message IDP Rule (Document does not match any HTTP filter)
4. Invalid WSDL Message IDP Rule (Document does not match any WSDL message)
5. Large Payload IDP Rule (Maximum payload size)
6. Large XML IDP Rule (Maximum XML document size)
7. No Matching XML IDP Rule (Document does not match any XML filter)
8. Process Error IDP Rule (Document Processing Error)
9. Virus Detected IDP Rule (Virus Found)

The five custom IDP rules are

1. Maximum document count IDP Rule
2. Maximum Element Children IDP Rule
3. Maximum Element Count IDP Rule
4. Maximum Element Depth IDP Rule
5. Attempted XML external URI reference IDP Rule

The error messages returned in the **faultstring** tag of the **soap:Fault** are presented below.

For the nine default IDP rules

1. Authentication Failure IDP Rule (Authentication failed):
IDP Rule 'Authentication Failure' aborted processing : nnn
2. Authorization Failure IDP Rule (Unauthorized access):
IDP Rule 'Authorization Failure' aborted processing: nnn
3. Invalid HTTP Message IDP Rule (Document does not match any HTTP filter):
IDP Rule 'Invalid HTTP Message on request' aborted processing: <field>
4. Invalid WSDL Message IDP Rule (Document does not match any WSDL message):
IDP Rule 'Invalid WSDL Message' aborted processing: <field>
5. Large Payload IDP Rule (Maximum payload size):
IDP Rule 'Large Payload on request' aborted processing : <size>
6. Large XML IDP Rule (Maximum XML document size):
IDP Rule 'Max. document size on request' aborted processing : <size>
7. No Matching XML IDP Rule (Document does not match any XML filter):
IDP Rule 'Request document does not match any XML Filter' aborted processing : nnn
8. Process Error IDP Rule (Document Processing Error) :
IDP Rule 'Process Error' aborted processing : nnn
9. Virus Detected IDP Rule (Virus Found):
IDP Rule 'Virus detected on request' ' aborted processing.

For the five custom IDP rules

1. Maximum document count IDP Rule:
IDP Rule 'Max doc count on request' aborted processing : <max>
2. Maximum Element Children IDP Rule:
IDP Rule 'Max element children on request' aborted processing : <max>
3. Maximum Element Count IDP Rule:
IDP Rule 'Max element count on request request' aborted processing : <max>
4. Maximum Element Depth IDP Rule:
IDP Rule 'Max element depth on request' aborted processing : <max>
5. Attempted XML external URI reference IDP Rule:
IDP Rule 'Attempted XML external URI reference on request' aborted processing : <reference>

An example SOAP for a XML Gateway failure of custom rule #2 (Maximum Element Children IDP Rule) is shown below.

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Client</faultcode>
      <faultstring xml:lang="en-US">
        IDP Rule 'Max element children on request' aborted processing : 6
      </faultstring>
      <detail>
        <fs:Detail xmlns:fs="http://www.forumsystems.com/2004/04/soap-fault-detail">
          <fs:User/>
        </fs:Detail>
      </detail>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

```

    <fs:Policy>Test4-Max_element_ch-Listener</fs:Policy>
    <fs:WebServiceRule/>
    <fs:Task/>
  </fs:Detail>
</detail>
</soap:Fault>
</soap:Body>
</soap:Envelope>

```

An example of a SOAP fault generated by the XML Gateway default rule #2 (Authorization Failure IDP Rule [Unauthorized access]) for a Logout request when not logged in is shown below.

```

<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Client</faultcode>
      <faultstring xml:lang="en-US">
        IDP Rule 'Authorization Failure' aborted processing: 002
      </faultstring>
      <detail>
        <fs:Detail xmlns:fs="http://www.forumsystems.com/2004/04/soap-fault-detail">
          <fs:User/>
          <fs:Policy>Test4-Authorization-Listener</fs:Policy>
          <fs:WebServiceRule/>
          <fs:Task/>
        </fs:Detail>
      </detail>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>

```

A summary of the threats and the fault responses generated by the XML Gateway is depicted in Table 6-1 below.

- Xxx Cell8:bullet1_a alt+u
- Xxxx Cell8:bullet2_a alt+o
 - ◆ Xxx Cell8:bullet3_a alt+[
 - Xxxx Cell8:bullet3_b alt+'

Table 5-1. XML Gateway Threats and Fault Responses

Threat	Fault Response Message(s)	Log Error Message(s)
Virus Threats		
Incoming Message With a Virus (XML Gateway)	IDP Rule 'Virus detected on request' aborted processing	This request contained a virus XML Gateway Detected in part attachment and was rejected.
Outgoing Message With a Virus (XML Gateway)	IDP Rule 'Virus detected on request' aborted processing	This request contained a virus XML Gateway Detected in part attachment and was rejected.
Incoming Message With an HTTP, XML or SOAP Threats		
With XML parameter tampering	IDP Rule 'Invalid WSDL Message' aborted processing: nnn	IDP Rule 'Invalid WSDL Message' aborted processing: nnn
With coercive parsing	<ul style="list-style-type: none"> • IDP Rule 'Max. document size on request' aborted processing: nnn • IDP Rule 'Max element children on request' aborted processing: nnn • IDP Rule 'Max element count on request' aborted processing: nnn • IDP Rule 'Max element depth on request' aborted processing: nnn 	<ul style="list-style-type: none"> • IDP Rule 'Max. document size on request' aborted processing: nnn • IDP Rule 'Max element children on request' aborted processing: nnn • IDP Rule 'Max element count on request' aborted processing: nnn • IDP Rule 'Max element depth on request' aborted processing: nnn
With recursive payload	<ul style="list-style-type: none"> • IDP Rule 'Max element children on request' aborted processing: nnn • IDP Rule 'Max element depth on request' aborted processing : nnn 	<ul style="list-style-type: none"> • IDP Rule 'Max element children on request' aborted processing: nnn • IDP Rule 'Max element depth on request' aborted processing: nnn
With XML routing	IDP Rule 'Attempted XML external URI reference on request' aborted processing: nnn	IDP Rule 'Attempted XML external URI reference on request' aborted processing: nnn
With SQL injection	IDP Rule 'Process Error' aborted processing : nnn	IDP Rule 'Process Error' aborted processing: nnn
With malicious content	IDP Rule 'Request document does not match any XML Filter' aborted processing: nnn	IDP Rule 'Request document does not match any XML Filter' aborted processing: nnn
With replay attacks	<ul style="list-style-type: none"> • IDP Rule 'Authentication Failure' aborted processing : nnn • IDP Rule 'Authorization Failure' aborted processing: xxx 	<ul style="list-style-type: none"> • IDP Rule 'Authentication Failure' aborted processing: nnn • IDP Rule 'Authorization Failure' aborted processing: xxx
With external entity attacks	IDP Rule 'Attempted XML external URI reference on request' aborted processing: nnn	IDP Rule 'Attempted XML external URI reference on request' aborted processing: nnn
With text based attacks (not required for MeF)	IDP Rule 'Request document does not match any XML Filter' aborted processing : nnn	IDP Rule 'Request document does not match any XML Filter' aborted processing: nnn
With WSDL format check errors	IDP Rule 'Invalid WSDL Message' aborted processing: nnn	IDP Rule 'Invalid WSDL Message' aborted processing: nnn
With WSDL security validation failures	IDP Rule 'Invalid WSDL Message' aborted processing: nnn	IDP Rule 'Invalid WSDL Message' aborted processing: nnn
Incoming Message With Authentication/Authorization Threats		
Authentication Errors	Authentication for user <username> failed because 'Invalid credentials'	Authentication for user <username> failed because 'Invalid credentials'
Authorization Errors	Authorization for user <username> failed because 'Authorization Failure'	Authorization for user <username> failed because 'Authorization Failure'

5.2 Incoming Message Containing a Virus

Whenever possible the MSI will include the name of the first virus found and the name of the message part containing the virus in the SOAP fault messages returned to the client and in the error messages posted to the log file. The decision has been made to have the XML Gateway appliance perform the virus checking on the incoming SOAP message attachment. Because the XML Gateway appliance is a COTS product, the format of the SOAP fault messages and log file messages is limited to the capabilities of the appliance.

5.2.1 Example SOAP Fault Response for the Virus Check Performed by the XML Gateway

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Client</faultcode>
      <faultstring xml:lang="en-US">
        IDP Rule 'Virus detected on request' aborted processing'
      </faultstring>
      <detail>
        <fs:Detail xmlns:fs="http://www.forumsystems.com/2004/04/soap-fault-detail">
          <fs:User/>
          <fs:Policy>Virus-Detection-Listener</fs:Policy>
          <fs:WebServiceRule/>
          <fs:Task/>
        </fs:Detail>
      </detail>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

5.2.2 Example Error Message for the Virus Check Performed by the XML Gateway

This request contained a virus XML Gateway Detected in part attachment and was rejected.

5.3 Outgoing Message Containing a Virus

Whenever possible the MSI will include the name of the first virus found and the name of the message part containing the virus. Any virus detected in an outgoing response will result in an immediate alert to CSIRC and ETA. Also, none of the SOAP Fault or other error response messages to the Third Party Transmitter or State clients will disclose any 6103 data or other information that could be used to compromise or provide harm to taxpayers or to IRS systems or processing. Because of these requirements, all outgoing messages will be checked for viruses by the MeF Application Server before being transferred to the SOAP Web Application Server and XML Gateway and the SOAP fault response to the client will simply indicate that the request processing failed with no details about any virus detected.

5.3.1 Example SOAP Fault Response

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<e:Envelope .....
  <e:Body>
    <e:Fault>
      <faultcode>e:Server</faultcode>
      <faultstring>class MeFExceptionType:Backend system error
      </faultstring>
      <detail>
        <wn0:MeFException i:type="wn0:MeFExceptionType">
          <ErrorMessage i:type="d:string">Backend system error </ErrorMessage>
          <ErrorClassification i:type="wn0:ErrorClassificationType">
            SYSTEM_ERROR
          </ErrorClassification>
          <ErrorCode i:type="d:string">SYSTMInnnnnnnnn</ErrorCode>
        </wn0:MeFException>
      </detail>
    </e:Fault>
  </e:Body>
</e:Envelope>

```

5.3.2 Example Error Message

This outgoing message contained a virus “name of virus detected” in part "message part/file name" and was rejected.

5.4 Incoming Messages Containing Service Request Argument Errors

This section presents the SOAP Fault response and error message examples for incoming requests with errors in the request arguments. None of the SOAP Fault or other error response messages to the Third Party Transmitter or State clients will disclose any 6103 data or other information that could be used to compromise or provide harm to taxpayers or to IRS systems or processing. All of the SOAP faults for service request errors follow the same model and indicate an exception category of REQUEST_ERROR.

An example of a SOAP fault for a GetAck request with an invalid Submission ID is shown below.

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<e:Envelope .....
  <e:Body>
    <e:Fault>
      <faultcode>e:Server</faultcode>
      <faultstring>class MeFExceptionType: Invalid SubmissionId
      </faultstring>
      <detail>
        <wn0:MeFException i:type="wn0:MeFExceptionType">
          <ErrorMessage i:type="d:string">
            Failed to get acknowledgement for message id 001232006123msg00012.
            Reason: Could not find acknowledgement for submission ID 98792345076929
            for this ETIN 00123. If the submission was sent in through any channel other
            than Channel[A2A], then the acknowledgement must be retrieved through that
            channel.
          </ErrorMessage>
        </wn0:MeFException>
      </detail>
    </e:Fault>
  </e:Body>
</e:Envelope>

```



```
</ErrorMessage>
  <ErrorClassification i:type="wn0:ErrorClassificationType">
    REQUEST_ERROR
  </ErrorClassification>
  <ErrorCode i:type="d:string"> REQSTInnnnnnnnn</ErrorCode>
</wn0:MeFException>
</detail>
</e:Fault>
</e:Body>
</e:Envelope>
```

A summary of the service requests, argument errors and the fault responses generated by the Web and MeF Application Servers is depicted in Table 6-2, below.

Table 5-2. Service Request Argument Errors and Fault Responses

Request	Fault Response Message(s)	Log Error Message(s)
MSI Services		
EtinRetrieval	Couldn't map a value '<value>' to a java field in a class	The value for the test indicator must me a 'T or P' as defined in the schema.
EtinStatus	Invalid ETIN <value>	Invalid ETIN <value>
GetStateParticipation (IFA) (MeF System Exception)	Failed to access technical component	Failed to access technical component
GetStateParticipation (IFA) (No participation data found)	Failed to get state participation for message id <msgld>. Reason: No records found in TPDS State Participation.	Failed to get state participation for message id <msgld>. Reason: No records found in TPDS State Participation.
State Services		
GetNewSubmissions (Invalid ETIN)	Failed to get new submissions for message id <value>. Reason: The request contains an invalid ETIN <value>	Failed to get new submissions for message id <value>. Reason: The request contains an invalid ETIN <value>
GetNewSubmissions (Invalid MaxResults)	Failed to get new submissions for message id <value>. Reason: The request count exceeds the maximum configuration count allowed for messageid <value>	Failed to get new submissions for message id <value>. Reason: The request count exceeds the maximum configuration count allowed for messageid <value>
GetNewSubmissions (The SubmissionCategory is not one of the registered Submission Categories for the given ETIN)	Failed to get new submissions for message id <msgld>. Reason: ETIN <value> is not registered with submission category <categoryValue>.	Failed to get new submissions for message id <msgld>. Reason: ETIN <value> is not registered with submission category <categoryValue>.
GetNewSubmissions (Duplicate message Id)	Failed to get new submissions for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to get new submissions for message id <msgld>. Duplicate message ID error - another message with same ID already exists.
GetSubmissions (Invalid Submission ID)	Failed to get submissions for message id <value>. Reason: Could not find submission for submission ID <value> for ETIN <value>.	Failed to get submissions for message id <value>. Reason: Could not find submission for submission ID <value> for ETIN <value>.
GetSubmissions (Invalid maximum request count)	Failed to get submissions for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgld>	Failed to get submissions for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgld>
GetSubmissions (Duplicate message Id)	Failed to get submissions for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to get submissions for message id <msgld>. Duplicate message ID error - another message with same ID already exists.
GetSubmission (Invalid Submission ID)	Failed to get submission for message id <msgld>. Reason: Could not find any valid submission with ID: <value> for ETIN <value>.	Failed to get submission for message id <msgld>. Reason: Could not find any valid submission with ID: <value> for ETIN <value>..
GetSubmission (No submission found)	Failed to get submission for message id <msgld>.	

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Request	Fault Response Message(s)	Log Error Message(s)
GetSubmission (Duplicate message Id)	Failed to get submission for message id <msgId>. Duplicate message ID error - another message with same ID already exists.	Failed to get submission for message id <msgId>. Duplicate message ID error - another message with same ID already exists.
SendSubmissionReceipts (Invalid Zip Archive)	Failed to send submission receipts for message id <value>. Reason: Unable to process Message with Id: <value> containing submission zip archive with entry name: <value> - data violates rule: X0000-015	Failed to send submission receipts for message id <value>. Reason: Unable to process Message with Id: <value> containing submission zip archive with entry name: <value> - data violates rule: X0000-015
SendSubmissionReceipts (Invalid submission receipt XML)	Failed to send submission receipts for message id <msgId>. Reason: Invalid input submission receipt list document; XML schema validation failed.	Failed to send submission receipts for message id <msgId>. Reason: Invalid input submission receipt list document; XML schema validation failed.
SendSubmissionReceipts (Missing receipt element in input XML)	Failed to send submission receipts for message id <msgId>. Reason: Receipt list element does not exist in input receipt list XML document.	Failed to send submission receipts for message id <msgId>. Reason: Receipt list element does not exist in input receipt list XML document.
SendSubmissionReceipts (Missing count element in input XML)	Failed to send submission receipts for message id <msgId>. Reason: Count element does not exist in input receipt list XML document.	Failed to send submission receipts for message id <msgId>. Reason: Count element does not exist in input receipt list XML document.
SendSubmissionReceipts (The actual count and receipt count specified in document do not match)	Failed to send submission receipts for message id <msgId>. Reason: Receipt count in the input document was stated as <Value>, but actual number of receipts found in the document was <value>.	Failed to send submission receipts for message id <msgId>. Reason: Receipt count in the input document was stated as <Value>, but actual number of receipts found in the document was <value>.
SendSubmissionReceipts (The count exceeds max allowed)	Failed to send submission receipts for message id <msgId>. Reason: Receipt count exceeds the maximum allowed.	Failed to send submission receipts for message id <msgId>. Reason: Receipt count exceeds the maximum allowed.
SendSubmissionReceipts (Missing submission ID or timestamp)	Failed to send submission receipts for message id <msgId>. Reason: No submission ID and/or timestamp element found in one of the state submission receipts.	Failed to send submission receipts for message id <msgId>. Reason: No submission ID and/or timestamp element found in one of the state submission receipts.
SendSubmissionReceipts (Invalid timestamp)	Failed to send submission receipts for message id <msgId>. Reason: The timestamp in the receipt for submission ID: <value> is invalid.	Failed to send submission receipts for message id <msgId>. Reason: The timestamp in the receipt for submission ID: <value> is invalid.
SendSubmissionReceipts (Invalid submission or never been retrieved or ETIN is unauthorized)	Failed to send submission receipts for message id <msgId>. Reason: Could not find matching state submission, the state submission has not been previously retrieved, or this ETIN is not authorized to send receipt for submission ID <value>.	Failed to send submission receipts for message id <msgId>. Reason: Could not find matching state submission, the state submission has not been previously retrieved, or this ETIN is not authorized to send receipt for submission ID <value>.
SendSubmissionReceipts (duplicate state receipt for same submission)	Failed to send acknowledgements for message id <msgId>. Reason: Duplicate state receipt. State has previously sent in receipt for submission ID <value>	Failed to send acknowledgements for message id <msgId>. Reason: Duplicate state receipt. State has previously sent in receipt for submission ID <value>
SendSubmissionReceipts (Duplicate message Id)	Failed to send submission receipts for message id <msgId>. Duplicate message ID error - another message with same ID already exists.	Failed to send submission receipts for message id <msgId>. Duplicate message ID error - another message with same ID already exists.

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Request	Fault Response Message(s)	Log Error Message(s)
SendSubmissionReceipts (MeF System Exception)	Failed to access third-party component.	Failed to access third-party component.
SendAcks (Invalid Zip Archive)	Failed to send acknowledgements for message id <value>. Reason: Unable to process Message with Id: <value> containing submission zip archive with entry name: <value> - data violates rule: X0000-015	Failed to send acknowledgements for message id <value>. Reason: Unable to process Message with Id: <value> containing submission zip archive with entry name: <value> - data violates rule: X0000-015
SendAcks (Invalid submission receipt XML)	Failed to send acknowledgements for message id <msgld>. Reason: Invalid input submission ack list document; XML schema validation failed.	Failed to send acknowledgements for message id <msgld>. Reason: Invalid input submission ack list document; XML schema validation failed.
SendAcks (Missing Acknowledgement list element)	Failed to send acknowledgements for message id <msgld>. Reason: Acknowledgement list element does not exist in input ack list XML document.	Failed to send acknowledgements for message id <msgld>. Reason: Acknowledgement list element does not exist in input ack list XML document.
SendAcks (Missing count element in input XML)	Failed to send acknowledgements for message id <msgld>. Reason: Count element does not exist in input ack list XML document.	Failed to send acknowledgements for message id <msgld>. Reason: Count element does not exist in input ack list XML document.
SendAcks (The actual count and acknowledgement count specified in document do not match)	Failed to send acknowledgements for message id <msgld>. Reason: Acknowledgement count in the input document was stated as <Value>, but actual number of acknowledgements found in the document was <value>.	Failed to send acknowledgements for message id <msgld>. Reason: Acknowledgement count in the input document was stated as <Value>, but actual number of acknowledgements found in the document was <value>.
SendAcks (The count exceeds max allowed)	Failed to send acknowledgements for message id <msgld>. Reason: Acknowledgement count exceeds the maximum allowed.	Failed to send acknowledgements for message id <msgld>. Reason: Acknowledgement count exceeds the maximum allowed.
SendAcks (Missing submission ID)	Failed to send acknowledgements for message id <msgld>. Reason: No submission ID element found in one of the state acknowledgements.	Failed to send acknowledgements for message id <msgld>. Reason: No submission ID element found in one of the state acknowledgements.
SendAcks (Invalid submission or never been retrieved or ETIN is unauthorized)	Failed to send acknowledgements for message id <msgld>. Reason: Could not find matching state submission, the state submission has not been previously retrieved, or this ETIN is not authorized to send acknowledgement for submission ID <value>.	Failed to send acknowledgements for message id <msgld>. Reason: Could not find matching state submission, the state submission has not been previously retrieved, or this ETIN is not authorized to send acknowledgement for submission ID <value>.
SendAcks (duplicate state acknowledgement for same submission)	Failed to send acknowledgements for message id <msgld>. Reason: Duplicate state acknowledgement. State has previously sent in acknowledgement for submission ID <value>	Failed to send acknowledgements for message id <msgld>. Reason: Duplicate state acknowledgement. State has previously sent in acknowledgement for submission ID <value>
SendAcks (MeF System Exception)	Failed to access third-party component.	Failed to access third-party component.
SendAcks (Duplicate message Id)	Failed to send acknowledgements for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to send acknowledgements for message id <msgld>. Duplicate message ID error - another message with same ID already exists.

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Request	Fault Response Message(s)	Log Error Message(s)
GetNewAckNotifications (Invalid MaxResults)	Failed to get new acknowledgement notifications for message id <value>. Reason: The request count exceeds the maximum configuration count allowed for messageid <value>	Failed to get new acknowledgement notifications for message id <value>. Reason: The request count exceeds the maximum configuration count allowed for messageid <value>
GetNewAckNotifications (Invalid ETIN)	Failed to get new acknowledgement notifications for message id <msgld>. Reason: ETIN <value> is not a valid participating state ETIN.	Failed to get new acknowledgement notifications for message id <msgld>. Reason: ETIN <value> is not a valid participating state ETIN.
GetNewAckNotifications (MeF System Exception)	Failed to access technical component.	Failed to access technical component.
GetNewAckNotifications (Duplicate message Id)	Failed to get new acknowledgement notifications for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to get new acknowledgement notifications for message id <msgld>. Duplicate message ID error - another message with same ID already exists.
GetAckNotifications (Invalid Submission ID)	Failed to get acknowledgement notifications for message id <msgld>. Reason: Could not find ack notification for submission ID <value> for ETIN <value>.	Failed to get acknowledgement notifications for message id <msgld>. Reason: Could not find ack notification for submission ID <value> for ETIN <value>.
GetAckNotifications (Invalid Count)	Failed to get acknowledgement notifications for message id <value>. Reason: Unable to process message with messageid <value> has mismatch between request count and number of submission IDs in SubmissionIDList	Failed to get acknowledgement notifications for message id <value>. Reason: Unable to process message with messageid <value> has mismatch between request count and number of submission IDs in SubmissionIDList
GetAckNotifications (Invalid maximum request count)	Failed to get acknowledgement notifications for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgld>.	Failed to get acknowledgement notifications for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgld>.
GetAckNotifications (Duplicate message Id)	Failed to get new acknowledgement notifications for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to get new acknowledgement notifications for message id <msgld>. Duplicate message ID error - another message with same ID already exists.
GetAckNotification (Invalid Submission ID)	Failed to get acknowledgement notification for message id <msgld>. Reason: Could not find any ack notification for submission ID <value>, or this ETIN <value> is not authorized to pick up the notification.	Failed to get acknowledgement notification for message id <value>. Reason: Could not find acknowledgement notification for submission ID <value> for this ETIN <value>.
GetAckNotification (Duplicate message Id)	Failed to get new acknowledgement notifications for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to get new acknowledgement notifications for message id <msgld>. Duplicate message ID error - another message with same ID already exists.
GetSubmissionsByMsgID (Invalid Message ID)	Failed to get submissions by Message ID for message id <msgld>. Reason: The message ID: <msgld> s not valid.	Failed to get submissions by Message ID for message id <msgld>. Reason: The message ID: <msgld> s not valid.
GetSubmissionsByMsgID (Mismatch ETIN)	Failed to get submissions by Message ID for message id <msgld>. Reason: The message ID <msgld> does not belong to the agency ETIN <value>.	Failed to get submissions by Message ID for message id <msgld>. Reason: The message ID <msgld> does not belong to the agency ETIN <value>.

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Request	Fault Response Message(s)	Log Error Message(s)
GetSubmissionsByMsgID (The message ID not existing)	Failed to get submissions by Message ID for message id <msgId>. Reason: The message ID: <msgId> could not be found.	Failed to get submissions by Message ID for message id <msgId>. Reason: The message ID: <msgId> could not be found.
GetSubmissionsByMsgID (The message comes through the different channel)	Failed to get submissions by Message ID for message id <msgId>. Reason: The message ID: <msgId> was processed through a different channel than the current request channel <value>.	Failed to get submissions by Message ID for message id <msgId>. Reason: The message ID: <msgId> was processed through a different channel than the current request channel <value>.
GetSubmissionsByMsgID (The message has an error response)	Failed to get submissions by Message ID for message id <msgId>. Reason: Cannot retrieve acks associated with message <msgId> because that message had an error response.	Failed to get submissions by Message ID for message id <msgId>. Reason: Cannot retrieve acks associated with message <msgId> because that message had an error response.
GetSubmissionsByMsgID (The message is not a GetNewSubmissions request)	Failed to get submissions by Message ID for message id <msgId>. Reason: Cannot retrieve submissions associated with message <msgId> because that message was not a GetNewSubmissions request.	Failed to get submissions by Message ID for message id <msgId>. Reason: Cannot retrieve submissions associated with message <msgId> because that message was not a GetNewSubmissions request.
GetSubmissionsByMsgID (Duplicate message Id)	Failed to get submissions by Message ID for message id <msgId>. for message id <msgId> Duplicate message ID error - another message with same ID already exists.	Failed to get submissions by Message ID for message id <msgId>. for message id <msgId> Duplicate message ID error - another message with same ID already exists.
GetSubmissionReconciliationList (Invalid maximum request count)	Failed to get submission reconciliation list. Reason: Maximum request count <value> is greater than configured count <value>	Failed to get submission reconciliation list. Reason: Maximum request count <value> is greater than configured count <value>
GetSubmissionReconciliationList (Duplicate message Id)	Failed to get submission reconciliation list. for message id <msgId>. Duplicate message ID error - another message with same ID already exists	Failed to get submission reconciliation list. for message id <msgId>. Duplicate message ID error - another message with same ID already exists
GetSubmissionReconciliationList (The SubmissionCategory is not one of the registered Submission Categories for the given ETIN)	Failed to get submission reconciliation list. for message id <msgId>. Reason: ETIN <value> is not registered with submission category <categoryValue>.	Failed to get submission reconciliation list. for message id <msgId>. Reason: ETIN <value> is not registered with submission category <categoryValue>.
Transmitter Services		
SendSubmissions (Invalid Submission Count)	Failed to send submissions for message id <value>. Reason: Unable to process message with msgId <value> has mismatch between request count and number of submission data records in SubmissionDataList.	Failed to send submissions for message id <value>. Reason: Unable to process message with msgId <value> has mismatch between request count and number of submission data records in SubmissionDataList.
SendSubmissions (Invalid Zip Archive)	Failed to send submissions for message id <value>. Reason: Unable to process Message with Id: <value> containing submission zip archive with entry name: <value> - data violates rule: X0000-015.	Failed to send submissions for message id <value>. Reason: Unable to process Message with Id: <value> containing submission zip archive with entry name: <value> - data violates rule: X0000-015.

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Request	Fault Response Message(s)	Log Error Message(s)
SendSubmissions (Invalid Submission ID)	Failed to send submissions for message id <value>. Reason: Unable to process Message with Id: <value> containing submission zip archive with entry name: <value> - data violates rule: X0000-015.	Failed to send submissions for message id <value>. Reason: Unable to process Message with Id: <value> containing submission zip archive with entry name: <value> - data violates rule: X0000-015.
SendSubmissions (Invalid ElectronicPostmark)	Failed to send submissions for message id <value>. Reason: Unable to process message with ElectronicPostmark <value> has invalid ElectronicPostmark in SubmissionDataList.	Failed to send submissions for message id <value>. Reason: Unable to process message with ElectronicPostmark <value> has invalid ElectronicPostmark in SubmissionDataList
SendSubmissions (Invalid maximum request count)	Failed to send submissions for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for msgsgld <msgld>.	Failed to send submissions for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for msgsgld <msgld>.
SendSubmissions (Zip File Path is null)	Failed to send submissions for message id <msgld>. Reason: Message <msgld> contains null attachment file path.	Failed to send submissions for message id <msgld>. Reason: Message <msgld> contains null attachment file path.
SendSubmissions (Cannot find submission by Id)	Failed to send submissions for message id <msgld>. Reason: Error can not find submission object with id <value>.	Failed to send submissions for message id <msgld>. Reason: Error can not find submission object with id <value>.
SendSubmissions (Cannot find build mode)	Failed to send submissions for message id <msgld>. Reason: Error when storing attachment file <FileName>. reason: Mef application properties is not properly set, the build mode should be either set to ATS or PROD.	Failed to send submissions for message id <msgld>. Reason: Error when storing attachment file <FileName>. reason: Mef application properties is not properly set, the build mode should be either set to ATS or PROD.
SendSubmissions (Message that is already processed)	Failed to send submissions for message id <msgld>. Reason: – Attempt to process message <msgld> that has been processed already.	Failed to send submissions for message id <msgld>. Reason: – Attempt to process message <msgld> that has been processed already.
SendSubmissions (MeF System Exception)	Unable to process attachment zip file: <zipFilePath>, <expceptionMessage>.	Unable to process attachment zip file: <zipFilePath>, <expceptionMessage>.
SendSubmissions (Duplicate message Id)	Failed to send submissions for message id <msgld Duplicate message ID error - another message with same ID already exists.	Failed to send submissions for message id <msgld Duplicate message ID error - another message with same ID already exists.
GetNewAcks (Invalid MaxResults)	Failed to get new acknowledgements for message id <value>. Reason: The request count exceeds the maximum configuration count allowed for msgsgld <value>.	Failed to get new acknowledgements for message id <value>. Reason: The request count exceeds the maximum configuration count allowed for msgsgld <value>.
GetNewAcks (Invalid ETIN)	Failed to get new acknowledgements for message id <value>. Reason: The request contains an invalid ETIN <value>.	Failed to get new acknowledgements for message id <value>. Reason: The request contains an invalid ETIN <value>.
GetNewAcks (MeF System Exception)	Failed to access technical component.	Failed to access technical component.

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Request	Fault Response Message(s)	Log Error Message(s)
GetNewAcks (Duplicate message Id)	Failed to get new acknowledgements for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to get new acknowledgements for message id <msgld>. Duplicate message ID error - another message with same ID already exists.
GetAcks (Invalid Count)	Failed to get acknowledgements for message id <value>. Reason: Unable to process message with msgsgld <value> has mismatch between request count and number of submission IDs in SubmissionIDList.	Failed to get acknowledgements for message id <value>. Reason: Unable to process message with msgsgld <value> has mismatch between request count and number of submission IDs in SubmissionIDList.
GetAcks (Wrong Channel to retrieve acknowledgement)	Failed to get acknowledgements. Reason: Could not find acknowledgement for submission ID <value> for this ETIN <value>. If the submission was sent in through any channel other than <value>, then the acknowledgement must be retrieved through that channel.	Failed to get acknowledgements. Reason: Could not find acknowledgement for submission ID <value> for this ETIN <value>. If the submission was sent in through any channel other than <value>, then the acknowledgement must be retrieved through that channel.
GetAcks (Ack not found, if request channel is IFA)	Failed to get acknowledgements for message id <msgld>. Reason: Could not find acknowledgement for submission ID <value> for this ETIN <value>.	Failed to get acknowledgements for message id <msgld>. Reason: Could not find acknowledgement for submission ID <value> for this ETIN <value>.
GetAcks (Ack not found, if request channel is IFA, but the channel in submission is not IFA)	Failed to get acknowledgements for message id <msgld>. Reason: The submission ID <value> is for a submission that was not processed by IFA.	Failed to get acknowledgements for message id <msgld>. Reason: The submission ID <value> is for a submission that was not processed by IFA.
GetAcks (Invalid maximum request count)	Failed to get acknowledgements for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for msgsgld <msgld>.	Failed to get acknowledgements for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for msgsgld <msgld>.
GetAcks (Duplicate message Id)	Failed to get acknowledgement for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to get acknowledgement for message id <msgld>. Duplicate message ID error - another message with same ID already exists.
GetAck (Wrong Channel to retrieve acknowledgement)	Failed to get acknowledgement for message id <value>. Reason: Could not find acknowledgement for submission ID <value> for this ETIN <value>. If the submission was sent in through any channel other than <value>, then the acknowledgement must be retrieved through that channel.	Failed to get acknowledgement for message id <value>. Reason: Could not find acknowledgement for submission ID <value> for this ETIN <value>. If the submission was sent in through any channel other than <value>, then the acknowledgement must be retrieved through that channel.
GetAck (Ack not found, if request channel is IFA)	Failed to get acknowledgement for message id <msgld>. Reason: Could not find acknowledgement for submission ID <value> for this ETIN <value>.	Failed to get acknowledgement for message id <msgld>. Reason: Could not find acknowledgement for submission ID <value> for this ETIN <value>.
GetAck (Ack not found, if request channel is IFA, but the channel in submission is not IFA)	Failed to get acknowledgement for message id <msgld>. Reason: The submission ID <value> is for a submission that was not processed by IFA.	Failed to get acknowledgement for message id <msgld>. Reason: The submission ID <value> is for a submission that was not processed by IFA.

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Request	Fault Response Message(s)	Log Error Message(s)
GetAck (No Acknowledgement found)	Failed to get acknowledgement for message id <msgId>.	Failed to get acknowledgement for message id <msgId>.
GetNewSubmissionsStatus (Invalid MaxResults)	Failed to get new submissions status for message id <value>. Reason: The request count exceeds the maximum configuration count allowed for messageid <value>.	Failed to get new submissions status for message id <value>. Reason: The request count exceeds the maximum configuration count allowed for messageid <value>.
GetNewSubmissionsStatus (Invalid ETIN)	Failed to get new submissions status for message id <value>. Reason: The request contains an invalid ETIN <value>.	Failed to get new submissions status for message id <value>. Reason: The request contains an invalid ETIN <value>.
GetNewSubmissionsStatus (Duplicate message Id)	Failed to get new submissions status for message id <msgId>. Duplicate message ID error - another message with same ID already exists.	Failed to get new submissions status for message id <msgId>. Duplicate message ID error - another message with same ID already exists.
GetSubmissionsStatus (Invalid maximum request count)	Failed to get submissions status for message id <msgId>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgId>.	Failed to get submissions status for message id <msgId>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgId>.
GetSubmissionsStatus (Wrong Channel to retrieve status records)	Failed to get submission status for message id <value>. Reason: Could not find any status records for submission ID <value> for this ETIN <value>. If the submission was sent in through any channel other than <value>, then the status records must be retrieved through that channel.	Failed to get submission status for message id <value>. Reason: Could not find any status records for submission ID <value> for this ETIN <value>. If the submission was sent in through any channel other than <value>, then the status records must be retrieved through that channel.
GetSubmissionsStatus (Retrieved Records not found, if request channel is IFA)	Failed to get submissions status for message id <msgId>. Reason: Could not find any status records for submission ID <value> for this ETIN <value>.	Failed to get submissions status for message id <msgId>. Reason: Could not find any status records for submission ID <value> for this ETIN <value>.
GetSubmissionsStatus (Retrieved Records not found, if request channel is IFA, but the channel in submission is not IFA)	Failed to get submissions status for message id <msgId>. Reason: The submission ID <value> is for a submission that was not processed by IFA.	Failed to get submissions status for message id <msgId>. Reason: The submission ID <value> is for a submission that was not processed by IFA.
GetSubmissionsStatus (Duplicate message Id)	Failed to get submissions status for message id <msgId>. for message id <msgId> Duplicate message ID error - another message with same ID already exists.	Failed to get submissions status for message id <msgId>. for message id <msgId> Duplicate message ID error - another message with same ID already exists.
GetSubmissionStatus (Wrong Channel to retrieve status records)	Failed to get submission status for message id <msgId>. Reason: Could not find any status records for submission ID <value> this ETIN <value>. If the submission was sent in through any channel other than <value>, then the status records must be retrieved through that channel.	Failed to get submission status for message id <msgId>. Reason: Could not find any status records for submission ID <value> this ETIN <value>. If the submission was sent in through any channel other than <value>, then the status records must be retrieved through that channel.
GetSubmissionStatus (Retrieved Records not found, if request channel is IFA)	Failed to get submission status for message id <msgId>. Reason: Could not find any status records for submission ID <value> for this ETIN <value>.	Failed to get submission status for message id <msgId>. Reason: Could not find any status records for submission ID <value> for this ETIN <value>.

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Request	Fault Response Message(s)	Log Error Message(s)
GetSubmissionStatus (Retrieved Records not found, if request channel is IFA, but the channel in submission is not IFA)	Failed to get submission status for message id <msgld>. Reason: The submission ID <value> is for a submission that was not processed by IFA.	Failed to get submission status for message id <msgld>. Reason: The submission ID <value> is for a submission that was not processed by IFA.
GetSubmissionStatus (No submission status found)	Failed to get submission status for message id <msgld>.	Failed to get submission status for message id <msgld>.
GetSubmissionStatus (Duplicate message Id)	Failed to get submission status for message id <msgld>. for message id <msgld> Duplicate message ID error - another message with same ID already exists.	Failed to get submission status for message id <msgld>. for message id <msgld> Duplicate message ID error - another message with same ID already exists.
GetAcksByMsgID (Invalid Message ID)	Failed to get acknowledgements by message id for message id <msgld>. Reason: The message ID: <msgld> is not valid.	Failed to get acknowledgements by message id for message id <msgld>. Reason: The message ID: <msgld> is not valid.
GetAcksByMsgID (Mismatch ETIN)	Failed to get acknowledgements by message id for message id <msgld>. Reason: The message ID <msgld> does not belong to the transmitter <anETIN>.	Failed to get acknowledgements by message id for message id <msgld>. Reason: The message ID <msgld> does not belong to the transmitter <anETIN>.
GetAcksByMsgID (The message ID not existing)	Failed to get acknowledgements by message id for message id <msgld>. Reason: The message ID: <msgld> could not be found.	Failed to get acknowledgements by message id for message id <msgld>. Reason: The message ID: <msgld> could not be found.
GetAcksByMsgID (The message comes through the different channel)	Failed to get acknowledgements by message id for message id <msgld>. Reason: The message ID: <msgld> was processed through a different channel than the current request channel <value>.	Failed to get acknowledgements by message id for message id <msgld>. Reason: The message ID: <msgld> was processed through a different channel than the current request channel <value>.
GetAcksByMsgID (The message has an error response)	Failed to get acknowledgements by message id for message id <msgld>. Reason: Cannot retrieve acks associated with message <msgld> because that message had an error response.	Failed to get acknowledgements by message id for message id <msgld>. Reason: Cannot retrieve acks associated with message <msgld> because that message had an error response.
GetAcksByMsgID (The message is not a GetNewAcks request)	Failed to get acknowledgements by message id for message id <msgld>. Reason: Cannot retrieve acks associated with message <msgld> because that message was not a GetNewAcks request.	Failed to get acknowledgements by message id for message id <msgld>. Reason: Cannot retrieve acks associated with message <msgld> because that message was not a GetNewAcks request.
GetAcksByMsgID (Duplicate message Id)	Failed to get acknowledgements by message id for message id <msgld>. Duplicate message ID error - another message with same ID already exists.	Failed to get acknowledgements by message id for message id <msgld>. Duplicate message ID error - another message with same ID already exists.
GetNew2290Schedule1s (Invalid maximum request count)	Failed to get new 2290 Schedule1 for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgld>.	Failed to get new 2290 Schedule1 for message id <msgld>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgld>.
GetNew2290Schedule1s (MeF System Exception)	Unable to use addZipArchiveEntries to compose the output attachment file for message <msgld>.	Unable to use addZipArchiveEntries to compose the output attachment file for message <msgld>.

Request	Fault Response Message(s)	Log Error Message(s)
Get2290Schedule1s (Invalid maximum request count)	The request count exceeds the maximum configuration count allowed for msgid <msgid>.	The request count exceeds the maximum configuration count allowed for msgid <msgid>.
Get2290Schedule1s (MeF System Exception)	Unable to use addZipArchiveEntries to compose the output attachment file for message <msgid>.	Unable to use addZipArchiveEntries to compose the output attachment file for message <msgid>.
Get2290Schedule1 (Wrong Channel to retrieve 2290 Schedule1)	Could not find 2290 Schedule 1 for submission ID <value> and ETIN <value>. If the submission was sent in through any channel other than <channel>, then the 2290 Schedule 1 must be retrieved through that channel.	Could not find 2290 Schedule 1 for submission ID <value> and ETIN <value>. If the submission was sent in through any channel other than <channel>, then the 2290 Schedule 1 must be retrieved through that channel.
Get2290Schedule1 (2290 Schedule1 not found, if request channel is IFA)	Could not find 2290 Schedule 1 for submission ID <value> for this ETIN <value>.	Could not find 2290 Schedule 1 for submission ID <value> for this ETIN <value>.
Get2290Schedule1 (2290 Schedule1 not found, if request channel is IFA, but the channel in submission is not IFA)	The submission ID <value> is for a submission that was not processed by IFA.	The submission ID <value> is for a submission that was not processed by IFA.
Get2290Schedule1sByMsgID (Invalid maximum request count)	The request count exceeds the maximum configuration count allowed for msgid <msgid>.	The request count exceeds the maximum configuration count allowed for msgid <msgid>.
Get2290Schedule1sByMsgID (MeF System Exception)	Unable to use addZipArchiveEntries to compose the output attachment file for message <msgid>.	Unable to use addZipArchiveEntries to compose the output attachment file for message <msgid>.
Get2290Schedule1sByMsgID (Invalid Message Id)	Message ID: <msgid> is not valid.	Message ID: <msgid> is not valid.
Get2290Schedule1sByMsgID (Mismatch ETIN)	Message ID <msgid> does not belong to the transmitter <etin>.	Message ID <msgid> does not belong to the transmitter <etin>.
Get2290Schedule1sByMsgID (Message Id does not exist)	Message ID: <msgid> could not be found.	Message ID: <msgid> could not be found.
Get2290Schedule1sByMsgID (The message comes through the different channel)	Message ID: <msgid> was processed through a different channel than the current request channel <channel>.	Message ID: <msgid> was processed through a different channel than the current request channel <channel>.
Get2290Schedule1sByMsgID (The message has an error response)	Cannot retrieve 2290 Schedule 1s associated with message <msgid> because that message had an error response.	Cannot retrieve 2290 Schedule 1s associated with message <msgid> because that message had an error response.
Get2290Schedule1sByMsgID (The message is not for a GetNew2290Schedule1s message)	Cannot retrieve 2290 Schedule 1s associated with message <msgid> because that message was not a GetNew2290Schedule1s request.	Cannot retrieve 2290 Schedule 1s associated with message <msgid> because that message was not a GetNew2290Schedule1s request.

A summary of the service requests, argument errors, and the fault responses for account maintenance services generated by the XML Gateway and Web Application Server is depicted in Table 6-3 below. Messages indicating IDP rule are generated by the XML Gateway; the others are generated by the Web Application Server after the message has passed the XML Gateway scrutiny.

Table 5-3. Service Request Argument Errors and Fault Responses for Account Maintenance Services

Request	Fault Response Message(s)	Log Error Message(s)
MSI Account Maintenance Services		
InitialLogin	Authentication for user <username> failed because 'Invalid credentials'	Authentication for user <username> failed because 'Invalid credentials'.
Login	Authentication for user <username> failed because 'Invalid credentials'	Authentication for user <username> failed because 'Invalid credentials'.
Logout	IDP Rule 'Authorization Failure' aborted processing: Not Logged In	Not authorized for the service request.
ChangePassword	IDP Rule 'Authorization Failure' aborted processing: Cannot find old password value in the request SOAP Body Cannot find new password in the request SOAP Body New Password is the same as the old password Password rule violation: error message is sent from eTrust	Not authorized for the service request. Cannot find old password value in the request SOAP Body. Cannot find new password in the request SOAP Body. New Password is the same as the old password. Change password failure, Verify the new password meets the password criteria.

5.4.1 Service Request Processing Errors

Any of the service requests can result in a processing error. Table 6-4 illustrates the fault responses and log messages for the service request processing errors. Table 6-5 shows the Error Codes, Log Messages, Fault Responses, and Fault Types.

If a service request contains an incorrect length MessageID or it does not contain a MessageID in the MeFHeader, then this presents a somewhat unique error situation. If the fault response simply appended an “E” to the request MessageID, it would also contain an incorrect MessageID. However, the MessageID in the fault response must be a valid format. Therefore, for this unique situation, the fault response MessageID is generated by the MeF service processing software. The fault response MessageID will be in the form “00000ccyydddxxxxxxxE” and the RelatesTo element will contain the incorrect MessageID from the request. Example fault response MeFHeader elements for a MessageID too short situation are shown below.

```
<MeF>
  <MessageID>00000200610813588700E</MessageID>
  <RelatesTo>799582006087023</RelatesTo>
  <Action>EtinStatus</Action>
  <Timestamp>2006-04-18T17:28:58.871Z</Timestamp>
  <ETIN>00123</ETIN>
  <SessionIndicator>N</SessionIndicator>
  <TestIndicator>T</TestIndicator>
</MeF>
```

Table 5-4. Service Request Processing Errors and Fault Responses

Processing Error	Fault Response Message(s)	Log Error Message(s)
Session timeout expiration	Session timeout. - SYSTEM_ERROR	XML Gateway. Session timeout error.
Session limit was exceeded	Session limit exceeded. - REQUEST_ERROR	Session or service connection limit reached
Invalid Session key error	Invalid session.	XML Gateway. Session error. Invalid Session key error
Data container is not set	Data error - REQUEST_ERROR	SOAP Dispatcher transmission error. Data container has not been set.
Name of the data element is null or empty	Data element empty - REQUEST_ERROR	SOAP Dispatcher transmission error. Name of the data element is null or empty
File not found.	File not found - SYSTEM_ERROR	File not found
Unsupported file format	File not supported - REQUEST_ERROR	Unsupported file format
Virus found in file sent from client	IDP Rule 'Virus detected on request' ' aborted processing	This request contained a virus XML Gateway Detected in part attachment and was rejected
File IO Error	Encountered problem processing file - SYSTEM_ERROR	System File IO Error
File transfer error	ftp error - SYSTEM_ERROR	File transfer error
Required ETIN value not found in SOAP header	Required ETIN value not found in SOAP header. - REQUEST_ERROR	ETIN not found in SOAP header
Required Test Indicator value not found in SOAP header	Required Test Indicator value not found in SOAP header. - REQUEST_ERROR	Test Indicator not found in SOAP header

Processing Error	Fault Response Message(s)	Log Error Message(s)
Required Session Indicator value not found in SOAP header	Required Session Indicator value not found in SOAP header. - REQUEST_ERROR	Session Indicator not found in SOAP header
SOAP Header 'Action' element does not match Service URI	Invalid Action element value - REQUEST_ERROR	SOAP Header 'Action' element does not match Service URI
SOAP Header 'Action' element is missing	Action element not found - REQUEST_ERROR	SOAP Header 'Action' element is missing
Backend threw SOAP Transfer Exception	Backend error - SYSTEM_ERROR	Backend threw SOAP Transfer Exception
Error storing SOAP information	Error storing SOAP information - SYSTEM_ERROR	DataHolder problem, need to resolve within the code on service side
SOAP Exception	SOAP Exception - SYSTEM_ERROR	System SOAP exception. See log file for details
Expected response from backend not found	Backend error - SYSTEM_ERROR	Expected response from backend not found or unavailable
Backend System Exception	Backend error - SYSTEM_ERROR	Backend System Exception. See log file for details
Backend Amdas Exception	Backend error - SYSTEM_ERROR	Backend Amdas Exception. See log file for details
Backend EDA Exception	Backend error - SYSTEM_ERROR	Backend EDA Exception. See log file for details
User not found in backend repository	Backend error - SYSTEM_ERROR	User not found in backend repository.
Session or service connection limit exceeded	Session or service connection limit exceeded - REQUEST_ERROR	Session or service connection count is over limit
Database error for session.	System error. Please try again - SYSTEM_ERROR	Error with database for user session
Invalid Action Element Value	SYSTEM_ERROR	The action element value is incorrect or does not match the service request url endpoint
Invalid ETIN for this login name	SYSTEM_ERROR	The Etin in the service request is valid for the system id
File Not Supported	SYSTEM_ERROR Invalid file format	Invalid file format
No Matching XML Filter	IDP Rule; Invalid HTTP message	The incoming request did not match the wsdls loaded in the xml gateway.
IDP Rule 'Process Error'aborted processing Illegal XML character: 0x3	IDP RULE: Process Error	The incoming request contains invalid xml character

Table 5-5. Error Codes, Log Messages, Fault Responses, and Fault Types

Error Code	Log Error Message	Fault Response	Error Type
SYSTMIXG0000001	XML Gateway. Session timeout error	Session timeout	SYSTEM_ERROR
SESSNIXG0000002	XML Gateway. Session error. 5 Session limit exceeded	5 session limit exceeded	REQUEST_ERROR
SESSNIXG0000003	XML Gateway. Session error. Invalid Session key error	Invalid session	REQUEST_ERROR

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Error Code	Log Error Message	Fault Response	Error Type
REQSTISD6500001	SOAP Dispatcher transmission error. Data container has not been set	Data error	REQUEST_ERROR
REQSTISD6500002	SOAP Dispatcher transmission error. Name of the data element is null or empty	Data element empty	REQUEST_ERROR
SYSTMI003000001	File not found from backend	File not found from backend	SYSTEM_ERROR
REQSTI003000002	Unsupported file format	File not supported	REQUEST_ERROR
REQSTI007000001	Virus(es) found in file sent from client	Virus found in file, cannot process request	SECURITY_ERROR
SYSTMI003000002	System FileIO Error	Encountered problem processing file	SYSTEM_ERROR
SYSTMI005500001	File transfer error	File transfer error	SYSTEM_ERROR
REQSTI004000001	ETIN not found in SOAP header	Required ETIN value not found in SOAP header	REQUEST_ERROR
REQSTI004000002	Test Indicator not found in SOAP header	Required Test Indicator value not found in SOAP header	REQUEST_ERROR
REQSTI004000003	Session Indicator not found in SOAP header	Required Session Indicator value not found in SOAP header	REQUEST_ERROR
REQSTI004000004	SOAP Header 'Action' element does not match Service URI	Invalid Action element value	REQUEST_ERROR
REQSTI004000005	SOAP Header 'Action' element is missing	Action element not found	REQUEST_ERROR
REQSTI004000006	ETIN found in SOAP header could not be validated against customer ID	Invalid ETIN for this login name	REQUEST_ERROR
SYSTMI004000001	Backend threw SOAP Transfer Exception	Backend SOAP error	SYSTEM_ERROR
SYSTMI004000002	DataHolder problem; need to resolve within the code on service side	Error storing SOAP information	SYSTEM_ERROR
SYSTMI004000003	System SOAP exception. See log file for details	SOAP Exception	SYSTEM_ERROR
SYSTMI007500001	Expected response from backend not found or unavailable	Backend error	SYSTEM_ERROR
SYSTMI007500002	Backend System Exception. See log file for details	Backend system error	SYSTEM_ERROR
SYSTMIAM7500001	Backend Amdas Exception. See log file for details	Backend AMDAS error	SYSTEM_ERROR
SYSTMIED7500001	Backend EDA Exception. See log file for details	Backend EDA error	REQUEST_ERROR
SYSTMI007500003	User not found in backend repository.	System could not find user	SYSTEM_ERROR
SYSTMI007500004	Failed to update the A2A user's system status	Failed to update user's system status	SYSTEM_ERROR
SESSNIMF0000001	Session or service connection count is over limit	Session or service connection limit reached	REQUEST_ERROR
SYSTMIAM2000001	Error with database for user session. See exception message	System database error. Please try again	SYSTEM_ERROR

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Error Code	Log Error Message	Fault Response	Error Type
SYSTMI002000001	Error with database for user session. See exception message.	Session database error	SYSTEM_ERROR
REQSTI004000007	Username not found in the SOAP header	Invalid or unknown username	REQUEST_ERROR
LOGINIXG0000001	XML Gateway Login error. Invalid ID	Login error. Invalid ID	REQUEST_ERROR
LOGINIXG0000002	XML Gateway Login error. Invalid password	Login error. Invalid password.	REQUEST_ERROR
LOGINIXG0000003	XML Gateway. Login error. Too many invalid logins.	Login error. Too many invalid logins	REQUEST_ERROR
LOGINIXG0000004	XML Gateway. Login error. Account lockout	Login error. Account lockout	REQUEST_ERROR
LOGINIXG0000005	XML Gateway. Change password error	Password change failure	REQUEST_ERROR
LOGINIXG0000006	XML Gateway. Missing Password error	Missing password. Please try again with the correct password	REQUEST_ERROR
REQSTI004000008	The Message ID in SOAP Header was not long enough per requirements	Incorrect length for Message ID	REQUEST_ERROR
REQSTI004000009	The Message ID in SOAP Header contained an unexpected indicator	Message ID indicator should not be applied	REQUEST_ERROR
REQSTI004000010	The Message ID in SOAP Header contained an indicator other than 'R' or 'E'	Message ID indicator is not valid	REQUEST_ERROR
REQSTI004000011	The Message ID in SOAP Header did not have valid numbers for the ETIN and/or date	Unable to parse ETIN + date combination as a valid number in Message ID	REQUEST_ERROR
REQSTI004000012	The date in the Message ID in SOAP Header could not be associated to a real date	Invalid date in Message ID	REQUEST_ERROR
REQSTI004000013	Except for the message indicator; if any; the Message ID in SOAP header did not contain all lower case characters	Message ID does not contain all lower case characters	REQUEST_ERROR
REQSTI004000014	The Message ID in SOAP Header contains non-alphanumeric (numbers and letters) characters	Found non-alphanumeric characters in Message ID	REQUEST_ERROR
REQSTI004000015	Could not find Message ID in the SOAP Header	Message ID not found	REQUEST_ERROR
REQSTI004000016	Virus found in file; cannot process request. Account locked due to maximum virus count	Virus found in file; cannot process request. Account locked due to maximum virus count	SECURITY_ERROR
REQSTI003000003	Did not find any attachment(s) in the client's request	Could not find expected attachment in request	REQUEST_ERROR
INILGIED6500003	Error occurred while attempting to confirm user's token	Could not confirm your token. Please check the value	SYSTEM_ERROR
SYSTMI006500001	Unknown System Exception. See log file or stack trace for details	Internal system error	SYSTEM_ERROR

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Error Code	Log Error Message	Fault Response	Error Type
REQSTI004000017	Deserialization error on incoming SOAP Message; most likely due to unknown element in message body	Element not defined in the schema	REQUEST_ERROR
REQSTI004000018	ETIN in header does not match Message ID	ETIN in MeF SOAP Header does not match the ETIN in the Message ID	REQUEST_ERROR
REQSTI004000019	Test Indicator in SOAP header in not valid	Test-Indicator value found in SOAP header is not valid	REQUEST_ERROR
CHGPWI006500001	Cannot find old password value in the request SOAP Body	Cannot find old password in SOAP Body	REQUEST_ERROR
CHGPWI006500002	Cannot find new password in the request SOAP Body	Cannot find new password in SOAP Body	REQUEST_ERROR
CHGPWI006500003	New Password is the same as the old password	New Password cannot be the same as old password	REQUEST_ERROR
CHGPWIET6500001	Password rule violation: error message is sent from eTrust via EDA	* Set dynamically during error processing *	REQUEST_ERROR
SYSTMJET6500001	Failed to retrieve user's token stored in eTrust via EDA	System failed to retrieve token	SYSTEM_ERROR
INILGIET6500001	A2A user's system status in eTrust is not set to NEW	Invalid user status in LDAP	SYSTEM_ERROR
INILGI006500001	Could not find user's token in SOAP request	Could not find user's token in SOAP request	REQUEST_ERROR
ETINEI007500001	Problem with retrieving ETIN from backend	ETIN retrieval error	SYSTEM_ERROR

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Glossary

Transport

- [HTTP](#) (Hypertext Transfer Protocol)
An application-level protocol for distributed communication between Internet systems
- [HTTPS](#) (Secure HTTP)
A protocol that offers the secure delivery of HTTP packets between the server and client using SSL.
- [SSL](#) (Secure Sockets Layer)
A secure session protocol that guarantees message privacy and message integrity.
- [MIME](#) (Multimedia Internet Message Extensions)
A message format used to encapsulate binary payloads into SOAP messages.
- [DIME](#) (Direct Internet Message Encapsulation)
A lightweight, binary message format designed to encapsulate one or more application-defined payloads into a single message construct.

Packaging and Extensions

- [SOAP](#) (Simple Object Access Protocol)
A lightweight XML-based protocol for exchange of information in a decentralized, distributed environment;
- [WS-Security](#) (Web Services Security Language)
A SOAP extension that enables secure interactions between Web Services providing credential exchange, message integrity, and message confidentiality;
- [WS-Addressing](#) (Web Services Addressing)
A SOAP extension that provides transport-neutral mechanisms to address Web services and messages.

Description

- [WSDL](#) (Web Services Description Language)
An XML format for the description of network services as a set of endpoints operating on messages containing either document-oriented or procedure-oriented information;
- [XML](#) (Extensible Markup Language)
A simple, flexible text format used in the exchange of a wide variety of data on the Web and elsewhere.
- [CA](#) (Certificate Authority)
An entity which issues digital certificates for use by other parties like VeriSign or IdenTrust.

RSA An [algorithm](#) for [public-key encryption](#).

DSA (Digital Signature Algorithm)
A [United States Federal Government standard](#) for [digital signatures](#).

Abbreviations and Acronyms

A2A	Application-to-Application
AppSysID	Application System ID
CA	certificate authority
DIME	Direct Internet Message Encapsulation
ETEC	Excise Tax e-File and Compliance
ICD	Interface Control Document
IFA	Internet Filing Application
IRM	Internal Revenue Manual
IRS	Internal Revenue Service
ISS	Infrastructure Shared Services
MeF	Modernized e-File
MIME	Multimedia Internet Message Extensions
MSI	Modernized System Infrastructure
RUP	Registered User Portal
SAML	Security Assertion Markup Language
SOAP	Simple Object Access Protocol (SOAP)
SSL	Secure Sockets Layer
WS	Web Server
WSDL	Web Services Description Language

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