



PRIME Program

Infrastructure Shared Services (ISS) MeF State and Trading Partners Reference Guide

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Preface

This document is a work product. Changes to this document will be made by complete revision.

This document was updated under Task Order 153 for Modernized e-File (MeF) Release (R) 6.2 Milestone 4B. Originally an Interface Control Document (ICD), this document has been converted to a Reference Guide. The base content from the ICD has been updated for MeF R6.2 and includes the addition of new services, the removal of services no longer supported, and changes to existing services. This update is considered a draft.

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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 Modernized e-File (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 a HyperText Transfer Protocol Secure (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.

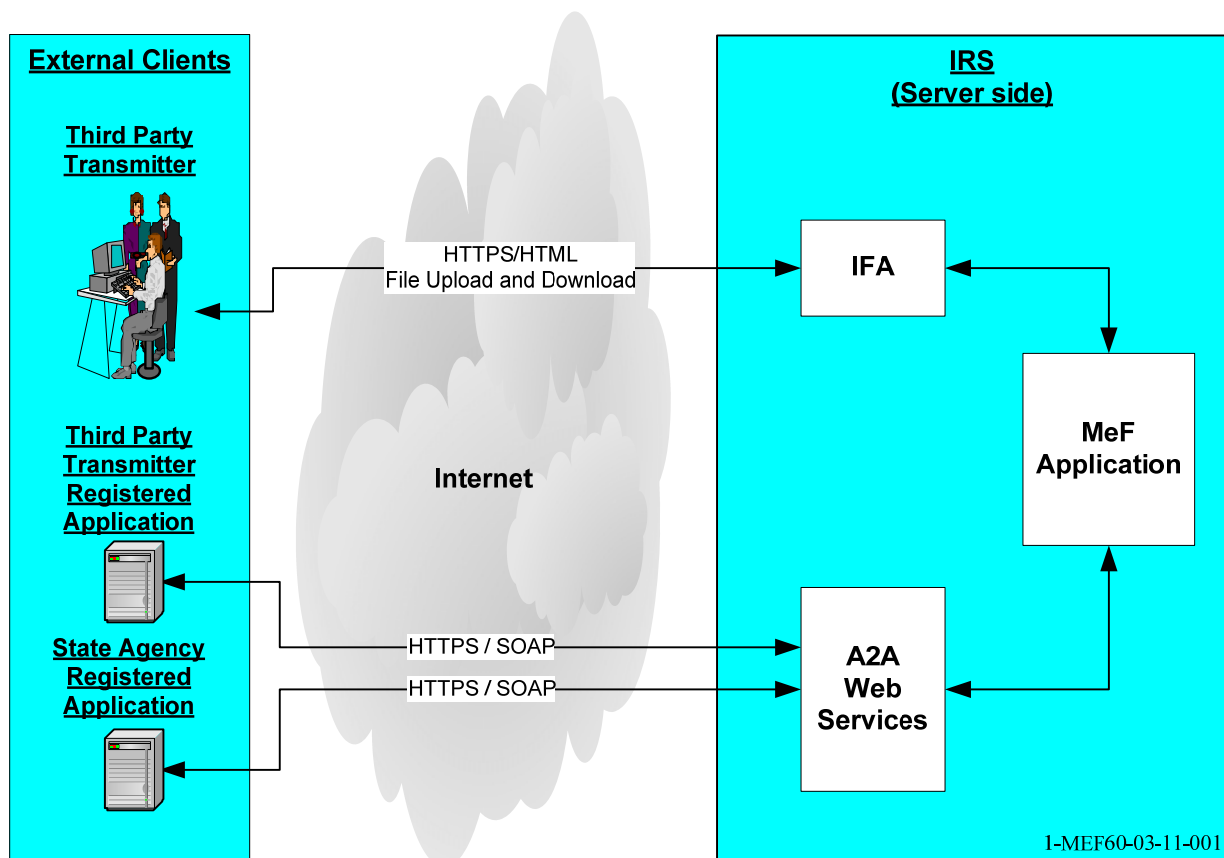


Figure 1-1. MeF Interface Overview

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 Exempt Organization (EO) submissions with request for redacted copies for states via the A2A Web Services and IFA channels.
- 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. Beginning with MeF Release 6.2, every eXtensible Markup Language (XML) message (SOAP messages, federal and state submission manifests and submissions) must begin with an XML declaration that looks like `<?xml version="1.0" encoding="UTF-8"?>`. The declaration must always be the first XML statement on the first line of the file beginning in column 1. There may be other optional elements present, but the above format, including the elements `version="1.0"` and `encoding="UTF-8"` must be present and contain exactly the values `1.0` and `UTF-8`. The following sections describe the basic SOAP message structure for the Web Services A2A channel. The submission manifests and the submissions are described in Section 1.8.2.

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 MeF Message elements and attachment information (if any).

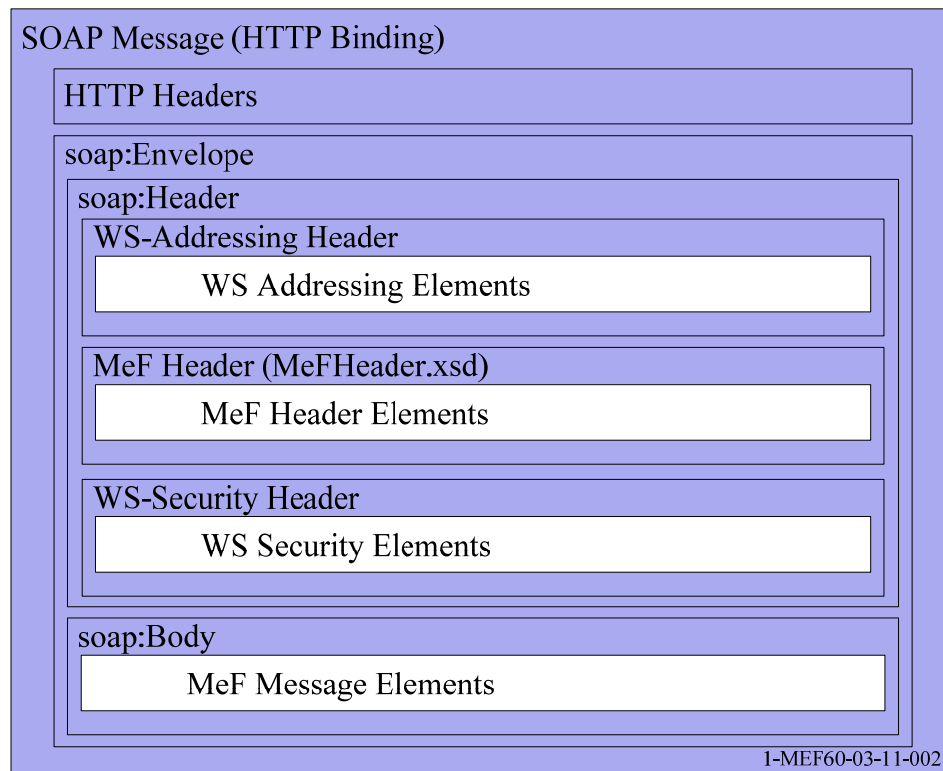


Figure 1-2. MeF Basic SOAP Message for HTTP Binding

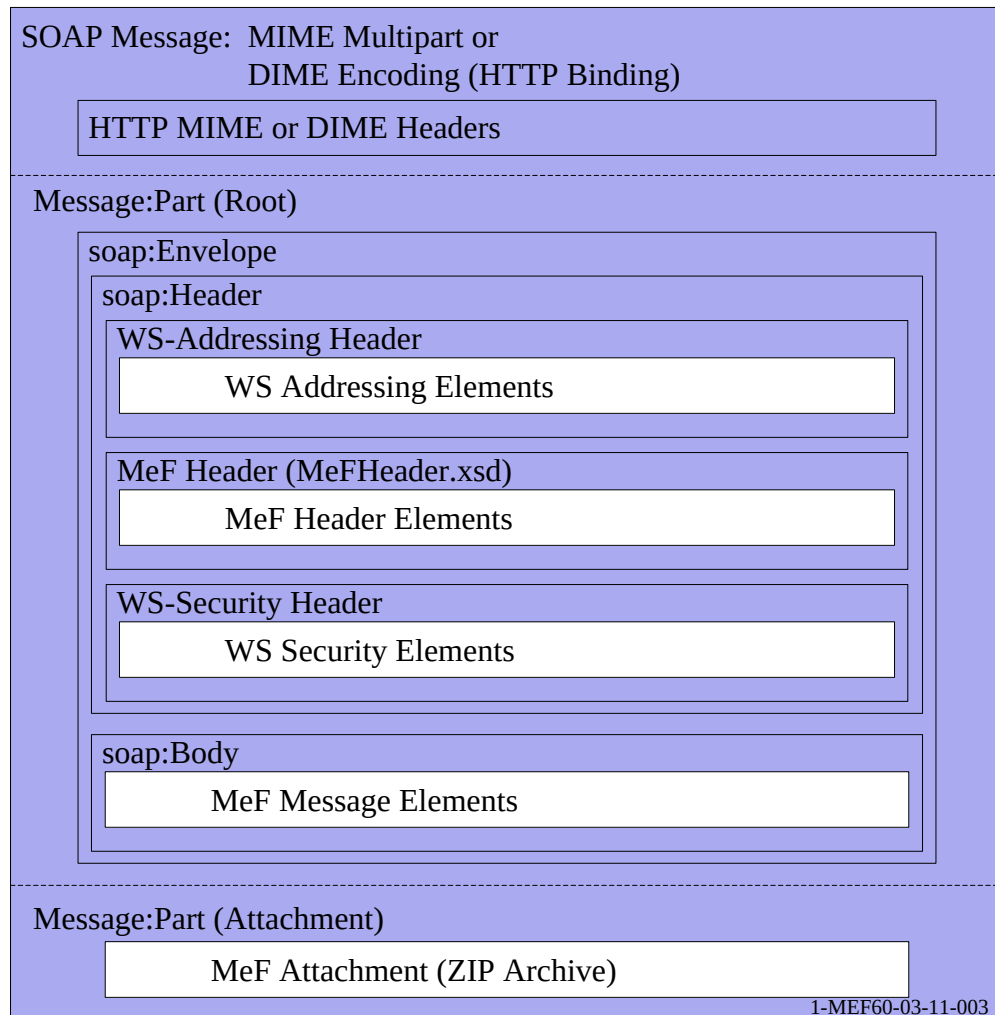


Figure 1-3. MeF Basic SOAP with Attachments Message Structure

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

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 an MeF Header in the SOAP message header. The MeF Header is described in Section 1.6, MeFHeader Elements.

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. There are two types of users allowed by the WS-Security specification:

- Password Authenticated Users (Users authenticated via username and password)
- Strong Authentication Users (Users authenticated via username and X.509 Certificates)

The original plans were that beginning in January 2010, all A2A users would be required to use only Strong Authentication. However, the final decision has not been made. Please contact the IRS directly to obtain the latest status. The WS-Security elements used by the A2A Web Services are described in subsections that follow. This includes the Security Assertion Markup Language (SAML) assertion and how it is obtained and used. The WS-Security elements for Strong Authentication users are described in Section 1.4.5, WS-Security for Strong Authentication Users.

1.4.3.1 WS-Security and SAML

The WS-Security profile of SAML is based on the interaction between a sender and a receiver. Accordingly:

- 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 are implemented in the following manner:

1. If a SAML assertion exists, the security token is extracted from the 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 should contain the entire WS-Security that was returned from a successful MeF A2A Login request. The SAML assertion must provide the Username element in the WS-Security UsernameToken to enable validation of the SAML assertion. There must be no fields other than Username in the WS-Security UsernameToken for a message with a SAML assertion. Also, the request must not contain either a Signature or BinarySecurityToken. 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. The actual WS-Security Password element should never be present in a request with a SAML assertion.

<!-- 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>
      yl4LdIAmg9Iga0SPXeo9BNaEB5xuBsG/c1UF2p29uaUGgy1zGj3Yx6aCNCBwb3s+CQ45o2Mlc8gDGJ
      MKzBHcnjvjcPq3tXK8fsRIIwbwsoi2u/aP3aHvT+nEv8+GnJqDnQvesgXgzOQvuKMtiZW0rSfYgIobmZhu
      0z8QA3Z+pM5B3dcCvyNsOQR8bjwpyhp2O8DpfzkYbM14vFubTKgxiOkG56b2gynhBKtk/TlcYx/BfoZ6U
      bx5Mo+qzOMaklzesUJ+KTiAxcgJRlJNlqVj+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. The original plans were **that as of January 2010, Password Authentication would be removed as an option for MeF A2A Web Service users.** All users would be required to have a valid X.509 digital security certificate and use Strong Authentication when invoking MeF A2A Web Services. However, the final decision has not been made. Please contact the IRS directly to obtain the latest status. 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.

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 may 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/E3Mk1nNdXnCcG3w==</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.

1.4.5 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. The original plans were **that as of January 2010, all users would be required to use Strong Authentication when invoking MeF A2A Web Services.** However, the final decision has not been made. Please contact the IRS directly to obtain the latest status. Strong Authentication users must have a valid X.509 digital security certificate obtained from an IRS-authorized certificate authority (CA) (such as 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, element MeFHeaderType/AppSysID, for

a description.) Login requests for Strong Authentication users must also be signed (see Sections 1.4.5.2, WS-Security SignedInfo, Reference, DigestValue, and DigestMethod Elements, and 1.4.5.3, WS-Security SignatureValue and SignatureMethod Elements, for details). 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, SAML Assertion , for details).

Table 1-1, Strong Authentication Request Message Elements, shows the WS-Security elements contained in an 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 EtnRetrieval request message.

Table 1-1. 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:Signature>	Contains information about what is being signed, the signature, the keys used to create the signature, and a place to store arbitrary information
<ds:SignatureValue>	Is the digital signature for the <ds:SignedInfo> element. Rivest, Sharmir and Adelman (RSA) and Digital Signal Algorithm (DSA) signatures are allowed. RSA examples are used in this document. Note that a DSA certificate cannot be signed with an RSA signature and vice versa

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.

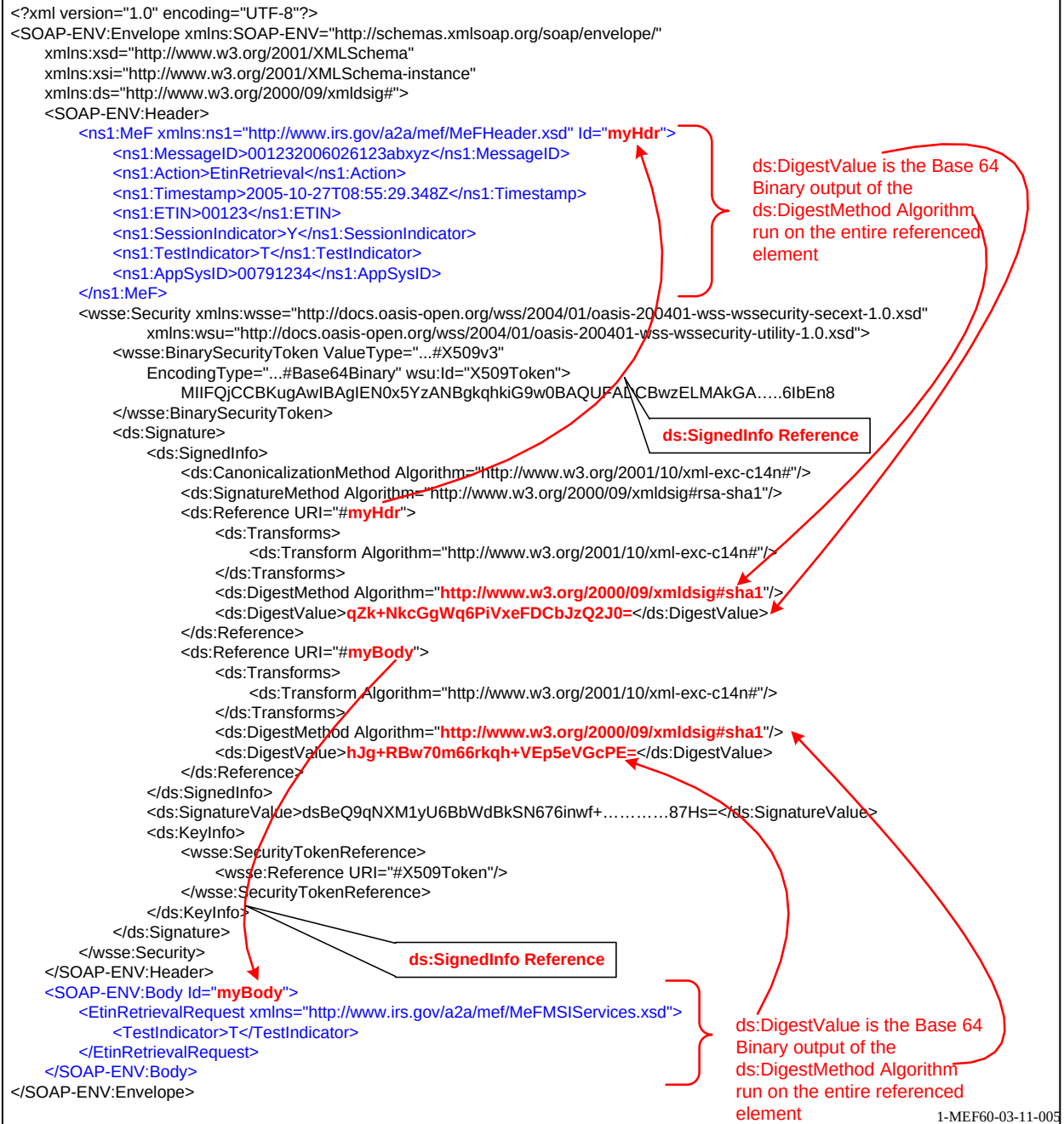
```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  <SOAP-ENV:Header>
    <ns1:MeF 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: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>
```

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

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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. In a signed A2A service request, there must be at least two `Reference` elements present in each signature. One of these must point to the ID attribute of the MeF Header, and the other must point to the ID attribute of the SOAP Body. Other `Reference` elements may be added if the developer chooses, but they are not required. The `DigestValue` element contains the Base 64 Binary output of the `DigestMethod` algorithm run on the entire element referenced by the `Reference` 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 (such as 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 Value Type="...#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>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>

```

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.

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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 of 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.

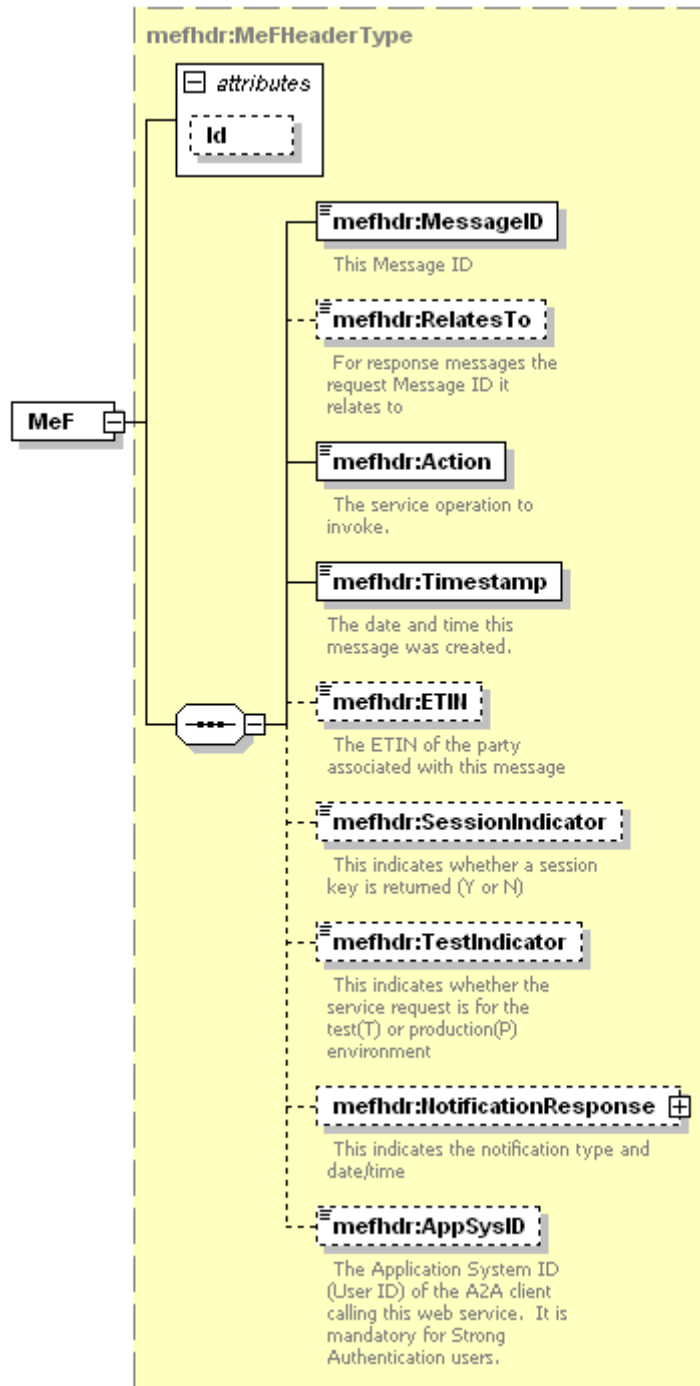
1.5.2 Message Attachments Content Type

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) and Message Transmission Optimization Mechanism (MTOM) does not allow for such a specification. Nevertheless, when sending in a request that includes an attachment, DIME and MTOM 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

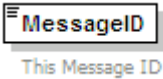
namespace <http://www.irs.gov/a2a/mef/MeFHeader.xsd>type [mefhdr:MeFHeaderType](#)children [mefhdr:MessageID](#) [mefhdr:RelatesTo](#) [mefhdr:Action](#) [mefhdr:Timestamp](#) [mefhdr:ETIN](#) [mefhdr:SessionIndicator](#) [mefhdr:TestIndicator](#) [mefhdr:NotificationResponse](#) [mefhdr:AppSysID](#)

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

source `<xs:element name="MeF" type="mefhdr:MeFHeaderType"/>`

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 + ccyyddd + 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. Please note that uppercase alphabetic characters are not allowed. 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 indicating that the request was processed successfully:

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

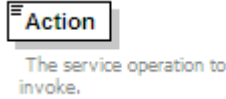


For response messages the request Message ID it relates to

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>		

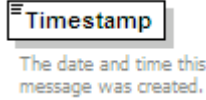
1.6.3 element MeFHeaderType/Action

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”.

diagram	
type	xs:string
properties	isRef 0 content simple
annotation	documentation The service operation to invoke.
source	<pre> <xs:element name="Action" type="xs:string"> <xs:annotation> <xs:documentation> The service operation to invoke. </xs:documentation> </xs:annotation> </xs:element> </pre>

1.6.4 element MeFHeaderType/Timestamp

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

diagram	
type	xs:dateTime
properties	isRef 0 content simple
annotation	documentation The date and time this message was created.
source	<pre> <xs:element name="Timestamp" type="xs:dateTime"> <xs:annotation> <xs:documentation>The date and time this message was created.</xs:documentation> </xs:annotation> </xs:element> </pre>

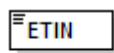
- (1) For any request with a **BinarySecurityToken**, the timestamp value in the Timestamp element in the MeF Header must be within a specific time interval (presently plus or minus 9 minutes) of the MeF system time. Requests with a Timestamp outside the 9-minute range will be rejected with a SOAP fault message indicating “The Timestamp in the Request message Header is not within the allowable range of current time.” And any SAML assertion present in the request will be invalidated as though you performed a Logout request.
- (2) For Strong Authentication users, the following services **require** a **BinarySecurityToken**: **Login** (always) and all **Single-Step** services. Single-Step services are those MSI and “Get” services that perform a combined login function. If an MSI or “Get” service is not performing a combined login function (i.e. it contains a SAML assertion), the **BinarySecurityToken** **should not** be present in the service request.
- (3) All “Send” type services **should never** contain a **BinarySecurityToken**: Please note that the Timestamp Interval check is NOT performed on any “Send” type requests.
- (4) The Timestamp format must conform to the xsd:dateTime data type defined in *XML Schema Part 2: Datatypes Second Edition* Section 3.2.7 (see <http://www.w3.org/TR/xmlschema-2/>). Examples of valid Timestamp values are shown below. Please note that all the time zones in the United States are represented by negative time offsets and that the colon (:) is required in the time offset syntax.

xsd:dateTime String	Time Represented
2009-01-20T11:30:18.045-05:00	January 20, 2009 11:30:18.045 am Eastern Standard Time
2009-01-20T08:30:18.045-08:00	January 20, 2009 08:30:18.045 am Pacific Standard Time
2009-01-20T16:30:18.045Z	January 20, 2009 04:30:18.045 pm Coordinated Universal Time (UTC) or GMT
2009-01-20T16:30:18.045	January 20, 2009 04:30:18.045 pm UTC or GMT (Note: No Z implies UTC)
	The four times above all represent the same moment on January 20, 2009
2009-07-04T12:35:00-04:00	July 4, 2009 12:35 pm Eastern Daylight Time
2009-07-04T09:35:00-07:00	July 4, 2009 09:35 am Pacific Daylight Time
2009-07-04T16:35:00Z	July 4, 2009 04:35 pm UTC or GMT
2009-07-04T16:35:00	July 4, 2009 04:35 pm UTC or GMT (Note: No Z implies UTC)
	The four times above all represent the same moment on July 4, 2009

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.

diagram



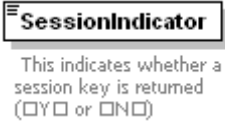
The ETIN of the party associated with this message

type **xs:string**
 properties isRef 0
 content simple
 annotation documentation The ETIN of the party associated with this message

```
source <xs:element name="ETIN" type="xs:string" minOccurs="0">
  <xs:annotation>
    <xs:documentation> The ETIN of the party associated with this message </xs:documentation>
  </xs:annotation>
</xs:element>
```

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.

diagram	 This indicates whether a session key is returned (Y or N)
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

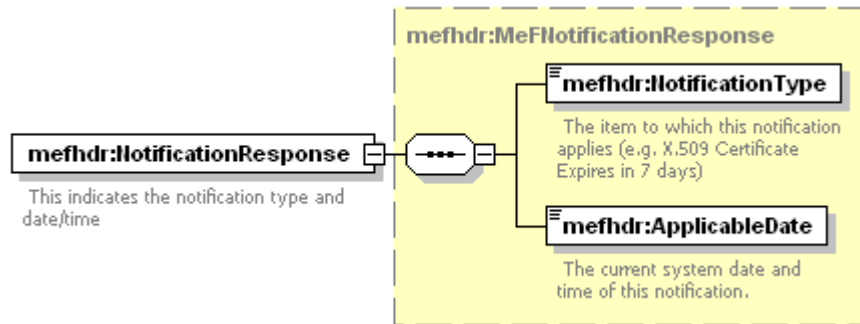
The TestIndicator element identifies if the request is a production request or an ATS (test) request. The expected values are "P" (to indicate that this is a production request) or "T" (to indicate that this is an ATS (test) request). The TestIndicator element is optional because it is not applicable to the Login, 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	<pre> <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> </pre>

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 X509 Certificate 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., “X.509 Certificate Expires in 7 days”).

diagram



type	xs:string
properties	isRef 0 content simple
annotation	documentation The item to which this notification applies (e.g. X.509 Certificate Expires in 7 days)
source	<pre> <xs:element name="NotificationType" type="xs:string"> <xs:annotation> <xs:documentation> The item to which this notification applies (e.g. X.509 Certificate Expires in 7 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.

diagram	
type	xs:dateTime
properties	isRef 0 content simple
annotation	documentation The current system date and time of this notification.
source	<pre> <xs:element name="ApplicableDate" type="xs:dateTime"> <xs:annotation> <xs:documentation> The current system date and time of this notification. </xs:documentation> </xs:annotation> </xs:element> </pre>

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.

diagram	
namespace	http://www.irs.gov/a2a/mef/MeFHeader.xsd
type	xs:string
properties	isRef 0 content simple
annotation	documentation The Application System ID (User ID) of the A2A client calling this Web service. It is mandatory for Strong Authentication users.
source	<pre> <xs:element name="AppSysID" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation> The Application System ID (User ID) of the A2A client calling this Web service. It is mandatory for Strong Authentication users. </xs:documentation> </xs:annotation> </xs:element> </pre>

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 required in signed requests from Strong Authentication users. It is optional in requests authenticated by SAML token.

1.7 MeF A2A Web Services Summary

Each MeF A2A service request must contain a SOAP header, which must contain both an MeF header and a WS-Security header. The first request of a session must be a “login” request with a BinarySecurityToken and Signature in the WS-Security header. It is expected that subsequent requests of a session will contain a SAML assertion and a UsernameToken with a Username and no other elements in the WS-Security header. The SAML assertion must be an exact copy of the SAML assertion returned in the response to a prior request. The value of Username must be the same as the AppSysID in the MeF Header and the request must not contain either a Signature or a BinarySecurityToken. If a SAML assertion is used in a request with a SessionIndicator of "N", it will be invalidated as if the Logout service was called and may never be used again.

The MeF A2A services are divided into three classifications:

- **MSI Services**
 - Login, Logout, EtinRetrieval, EtinStatus, GetStateParticipantsList, Initial Login, ChangePassword,
- **State Services DIME, MIME, and MTOM**
 - GetNewSubmissions, GetSubmissionsByMsgID, GetSubmissions, GetSubmission, SendSubmissionReceipts, SendAcks, GetNewAckNotifications, GetAckNotifications, GetAckNotification, GetSubmissionReconciliationList
- **Transmitter Services DIME, MIME, and MTOM**
 - 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 1-2, MeF A2A Web Services URLs. Beginning with MeF Release 6.2 States will be allowed to access the Get Submissions Status family of Web services (GetSubmissionsStatus and GetSubmissionStatus). To accomplish this the States will need to use the appropriate URLs previously reserved for use by Third Party transmitters.

Table 1-2. MeF A2A Web Services URLs

MeF A2A Services URLs
MSI Services
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/Logout
https://la.www4.irs.gov/a2a/mef/Login
https://la.www4.irs.gov/a2a/mef/InitialLogin
https://la.www4.irs.gov/a2a/mef/ChangePassword
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
State Services MTOM
https://la.www4.irs.gov/a2a/mef/mtom/GetNewSubmissions
https://la.www4.irs.gov/a2a/mef/mtom/GetSubmissionsByMsgID
https://la.www4.irs.gov/a2a/mef/mtom/GetSubmissions
https://la.www4.irs.gov/a2a/mef/mtom/GetSubmission
https://la.www4.irs.gov/a2a/mef/mtom/SendSubmissionReceipts

MeF A2A Services URLs
https://la.www4.irs.gov/a2a/mef/mtom/SendAcks
https://la.www4.irs.gov/a2a/mef/mtom/GetNewAckNotifications
https://la.www4.irs.gov/a2a/mef/mtom/GetAckNotifications
https://la.www4.irs.gov/a2a/mef/mtom/GetAckNotification
https://la.www4.irs.gov/a2a/mef/mtom/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
Transmitter Services MTOM
https://la.www4.irs.gov/a2a/mef/mtom/SendSubmissions
https://la.www4.irs.gov/a2a/mef/mtom/GetNewAcks
https://la.www4.irs.gov/a2a/mef/mtom/GetAcksByMsgID
https://la.www4.irs.gov/a2a/mef/mtom/GetAcks
https://la.www4.irs.gov/a2a/mef/mtom/GetAck

MeF A2A Services URLs
https://la.www4.irs.gov/a2a/mef/mtom/GetNewSubmissionsStatus
https://la.www4.irs.gov/a2a/mef/mtom/GetSubmissionsStatus
https://la.www4.irs.gov/a2a/mef/mtom/GetSubmissionStatus
https://la.www4.irs.gov/a2a/mef/mtom/GetNew2290Schedule1s
https://la.www4.irs.gov/a2a/mef/mtom/Get2290Schedule1sByMsgID
https://la.www4.irs.gov/a2a/mef/mtom/Get2290Schedule1s
https://la.www4.irs.gov/a2a/mef/mtom/Get2290Schedule1

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

MeF Service Request and Response Messages for A2A	
MSI Services Messages	
EtinRetrievalRequestMessage EtinRetrievalResponseMessage EtinStatusRequestMessage EtinStatusResponseMessage GetStateParticipantsListRequestMessage GetStateParticipantsListResponseMessage LoginRequestMessage LoginResponseMessage LogoutRequestMessage LogoutResponseMessage InitialLoginRequestMessage InitialLoginResponseMessage ChangePasswordRequestMessage ChangePasswordResponseMessage MeFFaultMessage	
State Services Messages	Transmitter Services Messages
GetAckNotificationRequest GetAckNotificationResponse GetAckNotificationsRequest GetAckNotificationsResponse GetNewAckNotificationsRequest GetNewAckNotificationsResponse GetNewSubmissionsRequest GetNewSubmissionsResponse GetSubmissionRequest GetSubmissionResponse GetSubmissionsRequest GetSubmissionsResponse GetSubmissionsByMsgIDRequest GetSubmissionsByMsgIDResponse SendAcksRequest SendAcksResponse SendSubmissionReceiptsRequest SendSubmissionReceiptsResponse GetSubmissionReconciliationListRequest GetSubmissionReconciliationListResponse MeFException	GetAckRequest GetAckResponse GetAcksRequest GetAcksResponse GetAcksByMsgIDRequest GetAcksByMsgIDResponse GetNewAcksRequest GetNewAcksResponse GetNewSubmissionsStatusRequest GetNewSubmissionsStatusResponse GetSubmissionsStatusRequest 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, Login, describes the Login service, the request and response message elements and the error response.

Subsection 1.7.1.2.1, element LoginRequest, illustrates the Login Request message elements.

Subsection 1.7.1.2.2, element LoginResponse, illustrates the Login Response message elements.

Subsection 1.7.1.2.3, element MeFException, 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

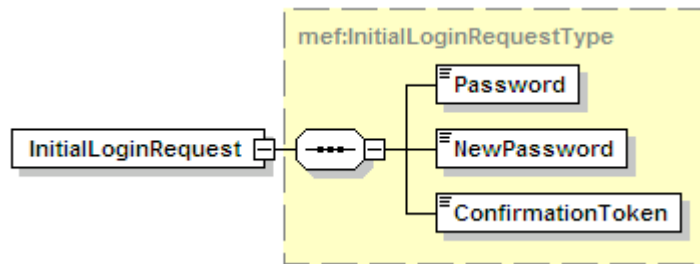
1.7.1.1 Initial Login

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 may no longer be valid beginning in January 2010. Please contact the IRS directly to obtain the latest status. 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	<pre> <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> </pre>

1.7.1.1.1 element InitialLoginRequest

diagram



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

type [mef:InitialLoginRequestType](#)

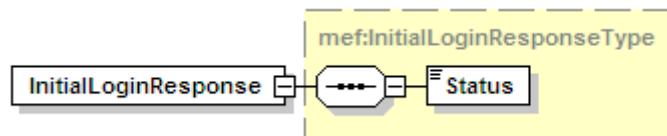
properties content complex

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](#)

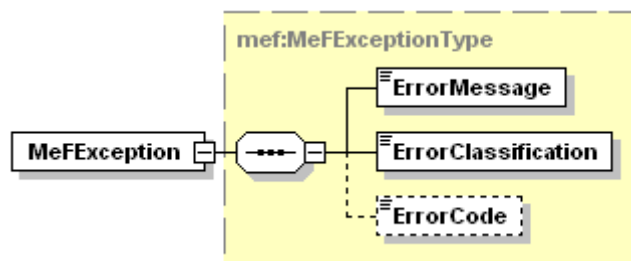
properties content complex

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.

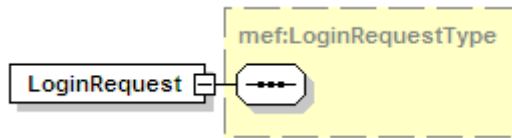
```

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

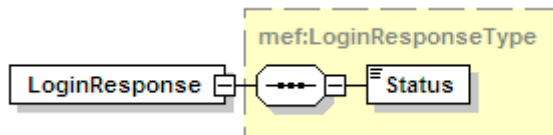
diagram

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**

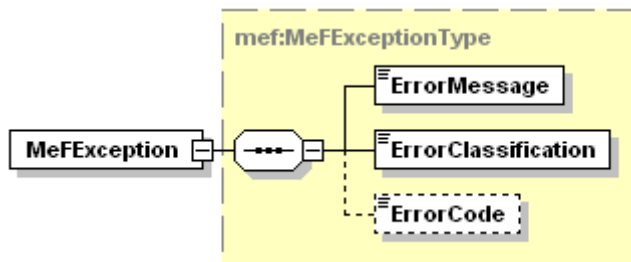
diagram

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"/>`

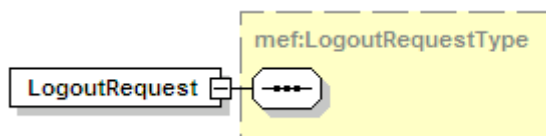
used by Service [Logout](#) in Port [Logout](#)

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`

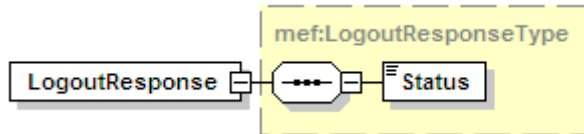
type [mef:LogoutRequestType](#)

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](#)

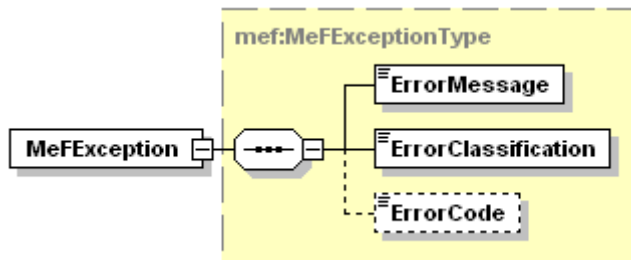
properties content complex

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 may no longer be valid beginning in January, 2010. Please contact the IRS directly to obtain the latest status. 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

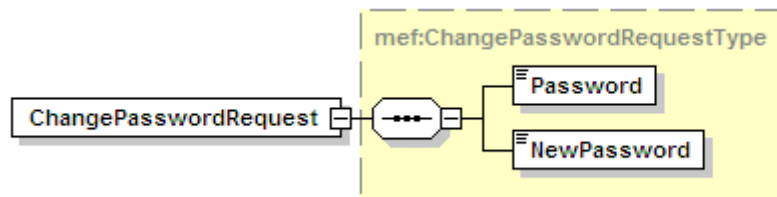
```

<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](#)

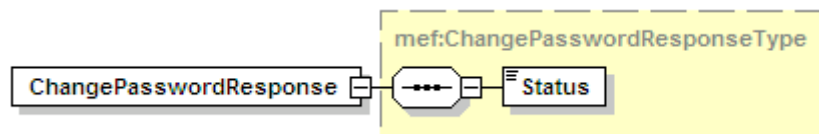
properties content complex

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](#)

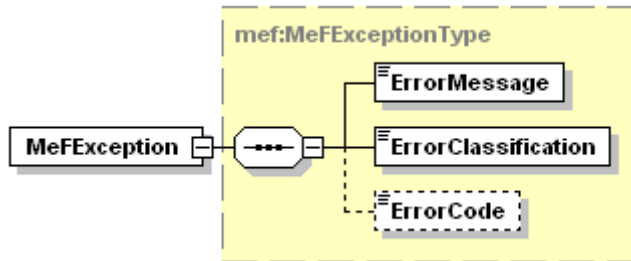
properties content complex

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>`

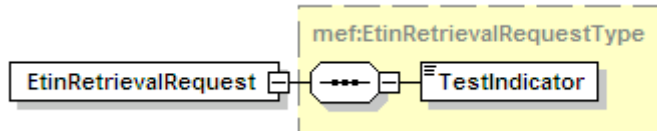
```

<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**

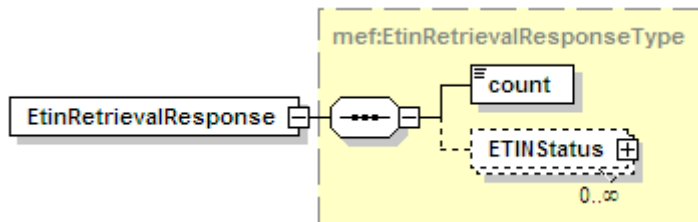
used by element [EtinRetrievalRequestType/TestIndicator](#)

facets enumeration T
enumeration P

source `<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](#)

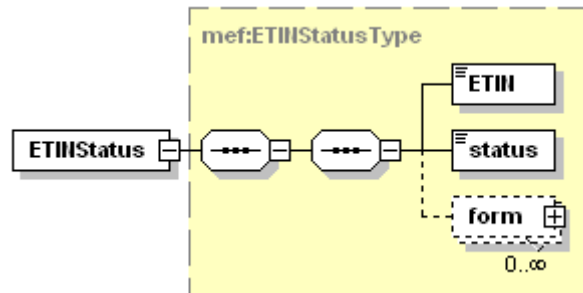
properties content complex

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

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

EtinRetrievalResponseType/ETINStatus

diagram



type [mef:ETINStatusType](#)

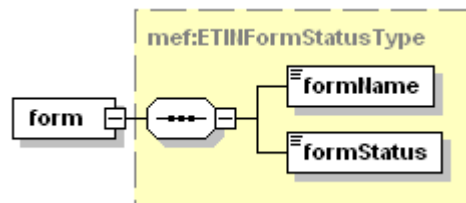
properties
isRef 0
content complex

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

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

ETINStatusType/form

diagram



type [mef:ETINFormStatusType](#)

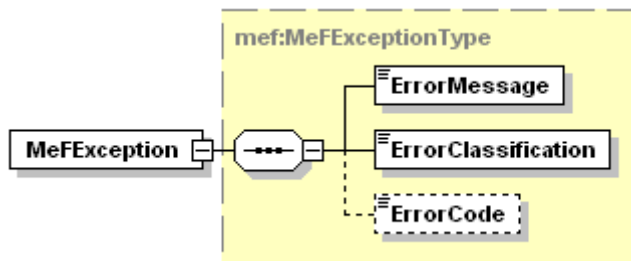
properties
isRef 0
content complex

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.

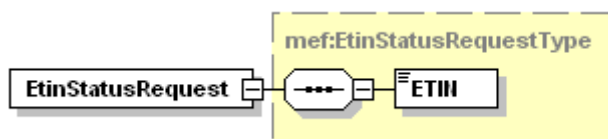
```

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



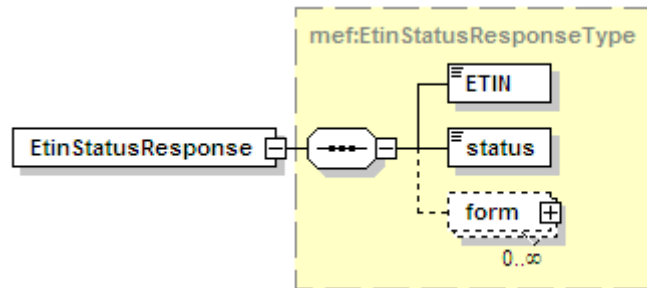
```

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](#)

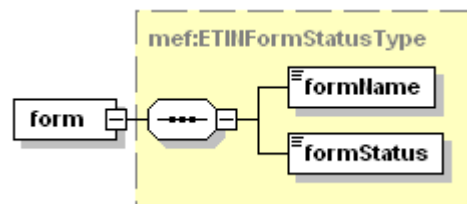
properties content complex

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

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

ETINStatusResponseType/form

diagram



type [mef:ETINFormStatusType](#)

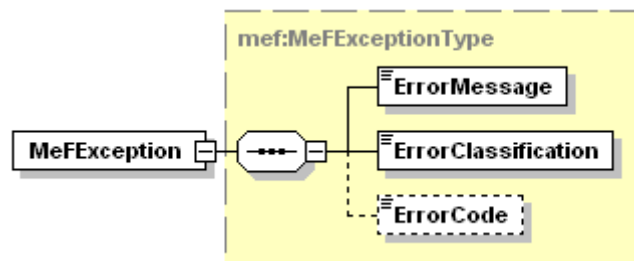
properties isRef 0
content complex

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.

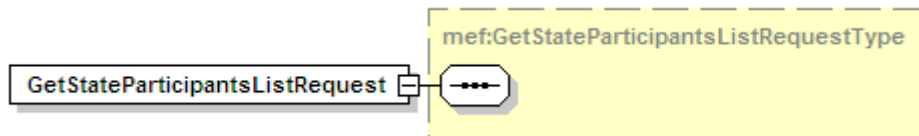
```

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



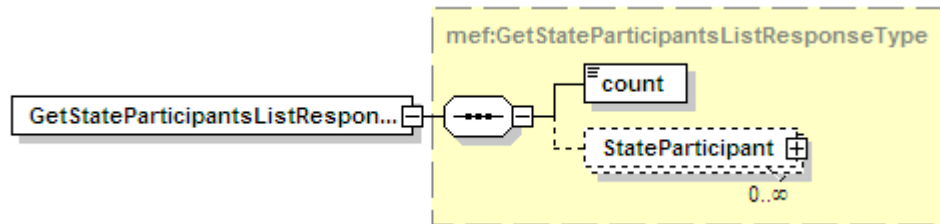
```

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](#)

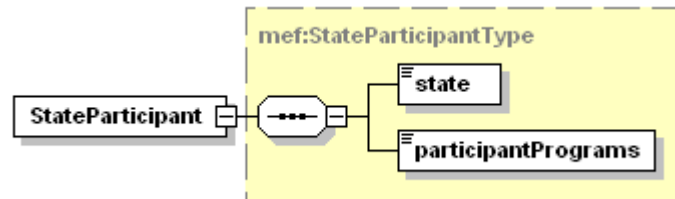
properties content complex

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

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

GetStateParticipantsListResponseType/StateParticipant

diagram



type [mef:StateParticipantType](#)

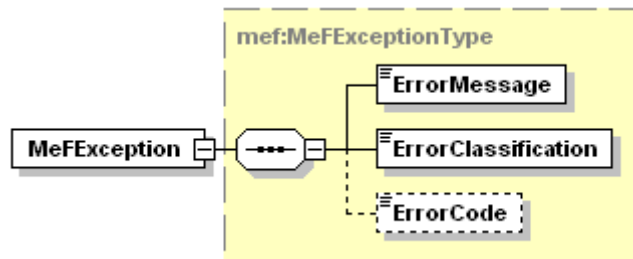
properties isRef 0
content complex

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), DIME (.NET), and MTOM (.NET) clients are identical except for the attachment transport mechanism. Therefore, a single set of service and message descriptions is applicable to MIME, DIME, and MTOM clients. Beginning with MeF Release 6.2 States will be allowed to access the Get Submissions Status family of Web services (GetSubmissionsStatus and GetSubmissionStatus). To accomplish this the States will need to use the appropriate WSDL and XML schema files previously reserved for use by Third Party transmitters. These details for the States are outlined in Section 1.7.3.

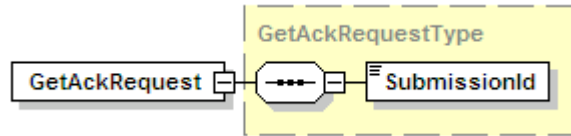
services	bindings	porttypes	messages
GetAck	GetAck	GetAck	GetAckRequest
GetAcks	GetAcks	GetAcks	GetAckResponse
GetAcksByMsgID	GetAcksByMsgID	GetAcksByMsgID	GetAcksByMsgIDRequest
GetNewAcks	GetNewAcks	GetNewAcks	GetAcksByMsgIDResponse
GetNewSubmissionsStatus	GetNewSubmissionsStatus	GetNewSubmissionsStatus	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
			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/MeFTransmitterService.xsd>

type [GetAckRequestType](#)

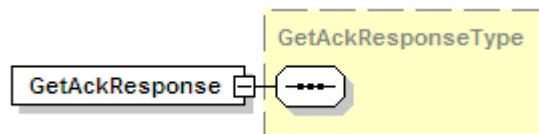
properties content complex

children [SubmissionId](#)

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

1.7.2.1.2 element GetAckResponse

diagram



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

properties content complex

children [SubmissionIdList](#)source `<xsd:element name="GetAcksRequest" type="GetAcksRequestType"/>`

```

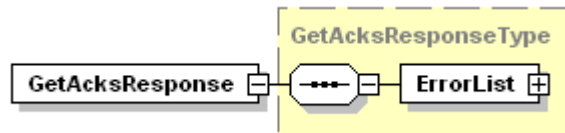
<xsd:complexType name="GetAckRequestType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="SubmissionIdType"/>
  </xsd:sequence>
</xsd:complexType>

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

```

1.7.2.2.2 element GetAcksResponse

diagram

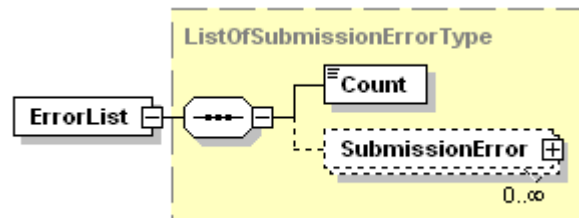
namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>type [GetAcksResponseType](#)

properties content complex

children [ErrorList](#)source `<xsd:element name="GetAcksResponse" type="GetAcksResponseType"/>`

GetAcksResponseType/ErrorList

diagram

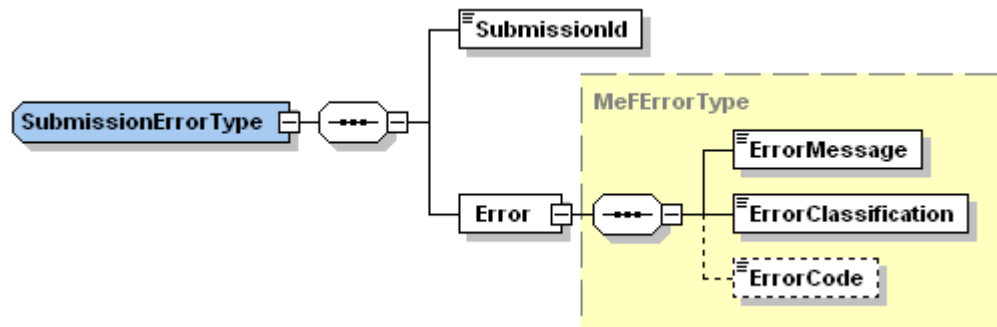
namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>type [ListOfSubmissionErrorType](#)properties isRef 0
content complex

children [Count SubmissionError](#)

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

GetAcksResponseType/ErrorList/SubmissionError

diagram



namespace `http://www.irs.gov/a2a/mef/MeFTransmitterService.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 500) 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 with the specified criteria 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:

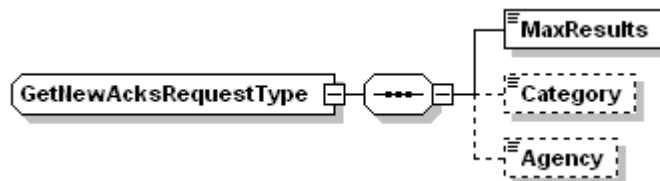
- CORP (Corporations)
- EO (Tax Exempt Organizations)
- PART (Partnerships)
- EXCISE (Excise Tax Form Submissions)
- IND (Individuals)
- UNKN (Unknown)
- all (CORP and/or PART and/or EXCISE and/or EO and/or IND and/or UNKN)

NOTE: Any particular ETIN requesting “all” will retrieve acknowledgements for any combination of CORP, PART, EXCISE, EO, IND and UNKN 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](#)

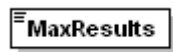
```

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>

```

GetNewAcksRequestType/MaxResults

diagram



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

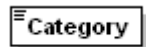
type **xsd:positiveInteger**

properties isRef 0
content simple

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

GetNewAcksRequestType/Category

diagram



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 IND
- enumeration UNKN
- enumeration all

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

GetNewAcksRequestType/Agency

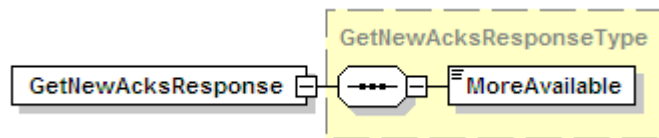
diagram

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**

diagram

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/MeFTransmitterService.xsd`type `xsd:boolean`

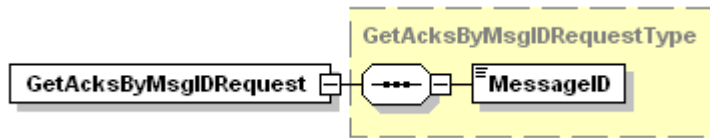
properties isRef 0
 content simple

source `<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 were available at the time the previous Get New Acknowledgements request was processed 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

diagram



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

type [GetAcksByMsgIDRequestType](#)

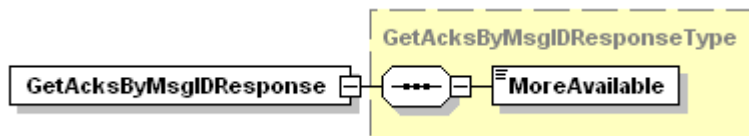
properties content complex

children [MessageID](#)

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

1.7.2.4.2 element GetAcksByMsgIDResponse

diagram



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

type [GetAcksByMsgIDResponseType](#)

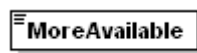
properties content complex

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

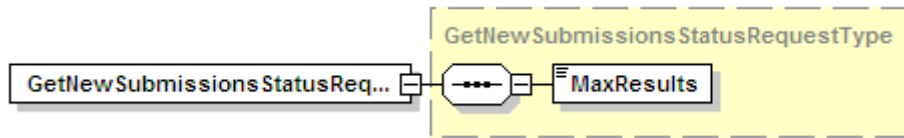
source `<xsd:element name="MoreAvailable" type="xsd:boolean"/>`

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](#)

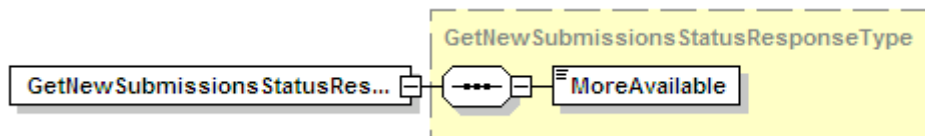
properties content complex

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](#)

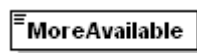
properties content complex

children [MoreAvailable](#)

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

GetNewSubmissionsStatusResponseType/MoreAvailable

diagram



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

type **xsd:boolean**

properties isRef 0
content simple

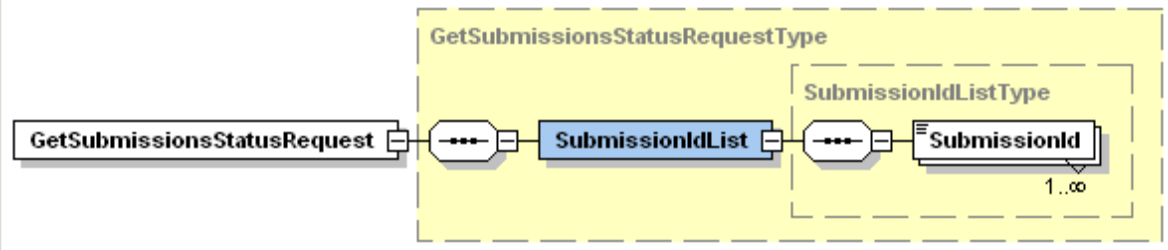
source `<xsd:element name="MoreAvailable" type="xsd:boolean"/>`

1.7.2.6 Get Submissions Status

Both States and Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve submissions statuses for a specific set of submissions. The requesting system will provide a GetSubmissionsStatusRequest message in the SOAP body containing 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"/>`

```

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

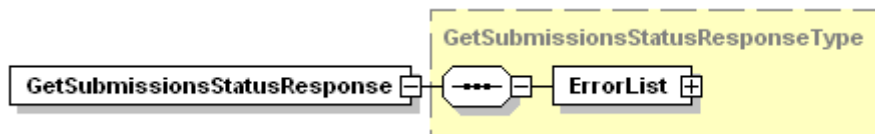
<xsd:complexType name="SubmissionIdListType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="SubmissionIdType" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

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

```

1.7.2.6.2 element GetSubmissionsStatusResponse

diagram

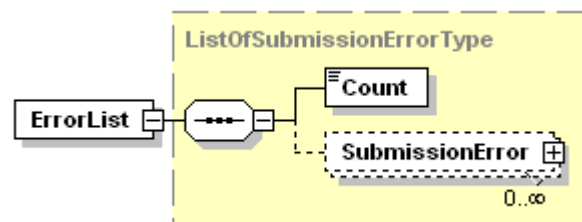
namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>type [GetSubmissionsStatusResponseType](#)

properties content complex

children [ErrorList](#)source `<xsd:element name="GetSubmissionsStatusResponse" type="GetSubmissionsStatusResponseType"/>`

GetSubmissionsStatusResponseType/ErrorList

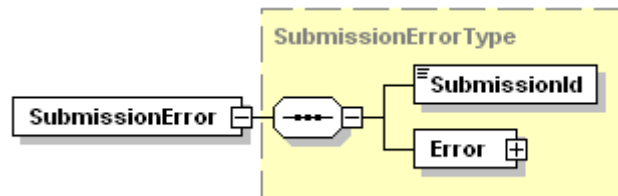
diagram



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

ListOfSubmissionErrorType/SubmissionError

diagram



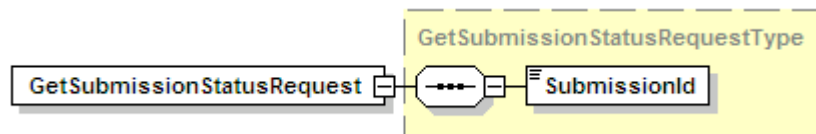
namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>
 type [SubmissionErrorType](#)
 properties isRef 0
 content complex
 children [SubmissionId](#) [Error](#)
 source `<xsd:element name="SubmissionError" type="SubmissionErrorType" maxOccurs="unbounded"/>`

1.7.2.7 Get Submission Status

Both States and Third Party Transmitters will have authorization to programmatically request a Web Service to retrieve a submission status for a specific submission. 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

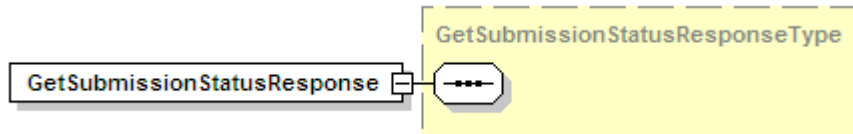
diagram



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

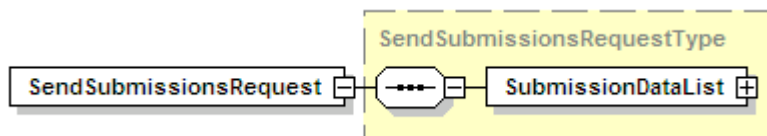
source `<xsd:element name="GetSubmissionStatusResponse" type="GetSubmissionStatusResponseType"/>`

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 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"/>`

```

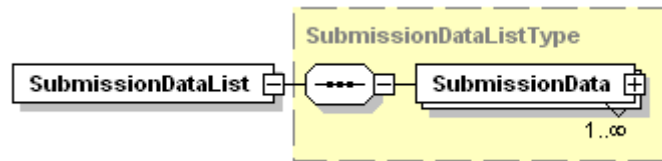
<xsd:complexType name="SendSubmissionsRequestType">
  <xsd:sequence>
    <xsd:element name="SubmissionDataList" type="SubmissionDataListType"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SubmissionDataListType">
  <xsd:sequence>
    <xsd:element name="SubmissionData" type="SubmissionDataType" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

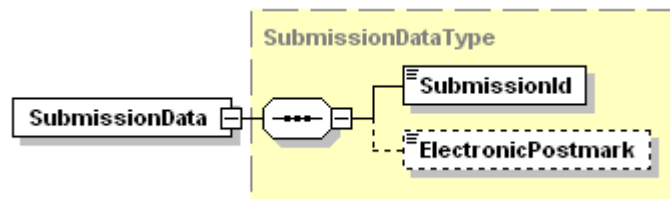
```

SendSubmissionsRequestType/SubmissionDataList

diagram

namespace <http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd>type [SubmissionDataListType](#)properties isRef 0
content complexchildren [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 complexchildren [SubmissionId](#) [ElectronicPostmark](#)source `<xsd:element name="SubmissionData" type="SubmissionDataType" maxOccurs="unbounded"/>`

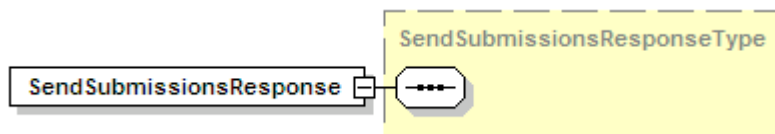
```

<xsd:complexType name="SubmissionDataType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="SubmissionIdType"/>
    <xsd:element name="ElectronicPostmark" type="xsd:dateTime" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

1.7.2.8.2 element SendSubmissionsResponse

Diagram

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

Properties content complex

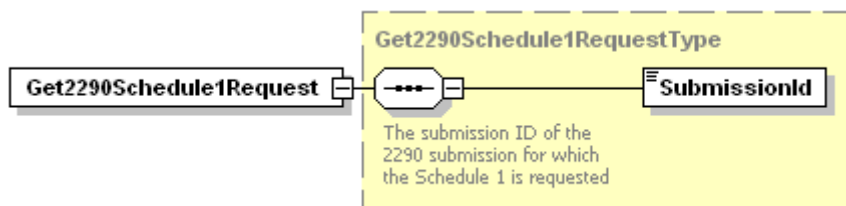
Source `<xsd:element name="SendSubmissionsResponse" type="SendSubmissionsResponseType"/>`

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 stamped 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](#)

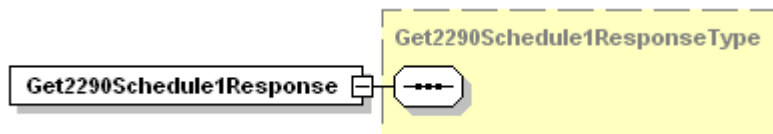
source `<xsd:element name="Get2290Schedule1Request" type="Get2290Schedule1RequestType"/>`

```
<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

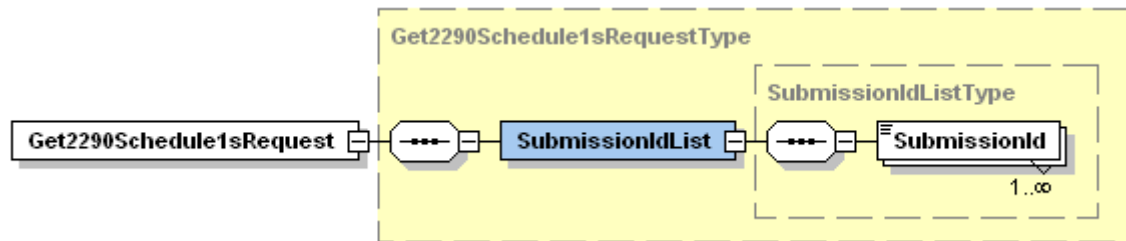
source `<xsd:element name="Get2290Schedule1Response" type="Get2290Schedule1ResponseType"/>`

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 stamped 2290 Schedule1 forms. 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"/>`

```

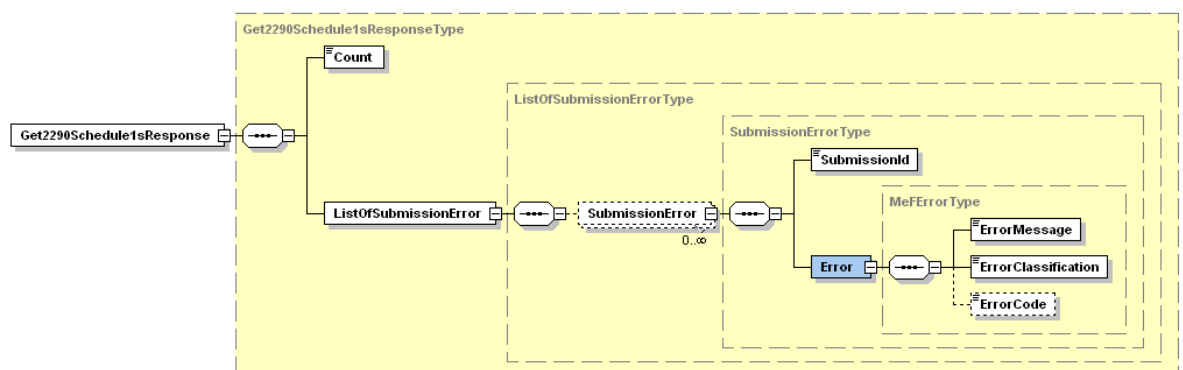
<xsd:complexType name="Get2290Schedule1sRequestType">
  <xsd:sequence>
    <xsd:element name="SubmissionIdList" type="SubmissionIdListType"/>
  </xsd:sequence>
</xsd:complexType>

<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_UNAVAILABLE"/>
    <xsd:enumeration value="MESSAGE_FORMAT_ERROR"/>
    <xsd:enumeration value="SECURITY_ERROR"/>
    <xsd:enumeration value="REQUEST_ERROR"/>
  </xsd:restriction>
</xsd:simpleType>

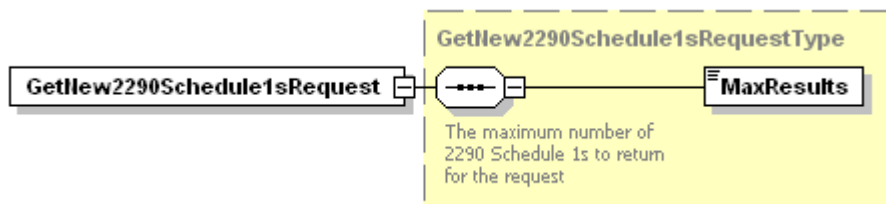
```

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 stamped 2290 Schedule1 forms. 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](#)

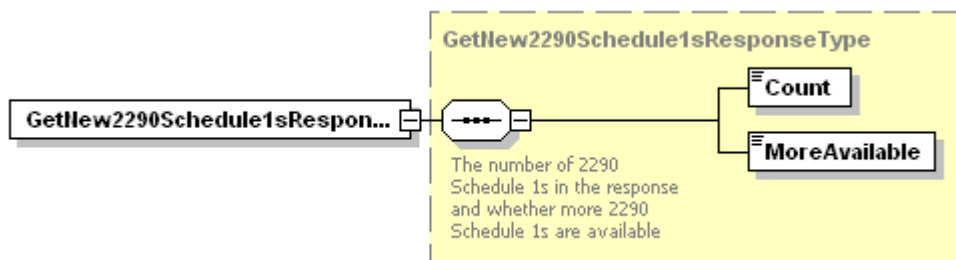
properties content complex

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"/>`

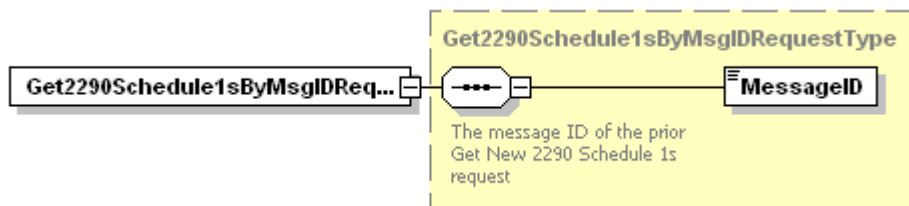
```
<xsd:complexType name="GetNew2290Schedule1sResponseType">
  <xsd:sequence>
    <xsd:element name="Count" type="xsd:nonNegativeInteger"/>
    <xsd:element name="MoreAvailable" type="xsd:boolean"/>
  </xsd:sequence>
</xsd:complexType>
```

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 were available at the time the previous Get New 2290Schedule1s request was processed and a single zip file attachment containing the stamped 2290 Schedule1 forms. 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](#)

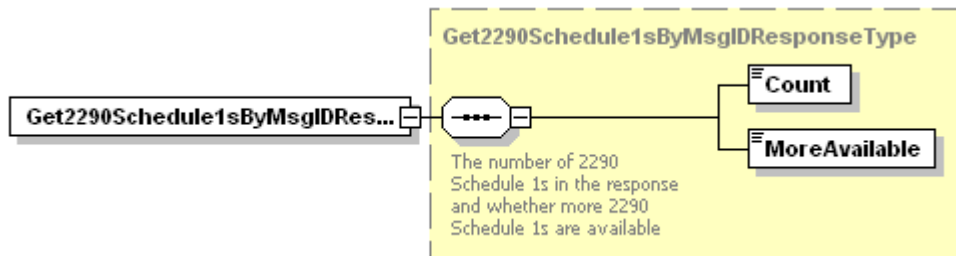
properties content complex

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), DIME (.NET), and MTOM (.NET) clients are identical except for the attachment transport mechanism. Therefore, a single set of service and message descriptions is applicable to MIME, DIME, and MTOM clients. Beginning with MeF Release 6.2 States will be allowed to access the Get Submissions Status family of Web services (GetSubmissionsStatus and GetSubmissionStatus). The details for these web services are outlined in Sections 1.7.2.6 and 1.7.2.7. To accomplish this the States will need to use the appropriate MeF Transmitter Service WSDL and XML schema files previously reserved for use by Third Party transmitters (see Table 2-1).

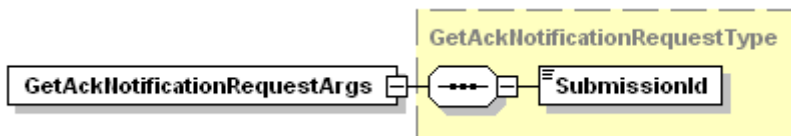
services	bindings	porttypes	messages
GetAckNotification	GetAckNotification	GetAckNotification	GetAckNotificationRequest
GetAckNotifications	GetAckNotifications	GetAckNotifications	GetAckNotificationResponse
GetNewAckNotifications	GetNewAckNotifications	GetNewAckNotifications	GetAckNotificationsRequest
GetNewSubmissions	GetNewSubmissions	GetNewSubmissions	GetAckNotificationsResponse
GetSubmission	GetSubmission	GetSubmission	GetNewAckNotificationsRequest
GetSubmissions	GetSubmissions	GetSubmissions	GetNewAckNotificationsResponse
GetSubmissionsByMsgID	GetSubmissionsByMsgID	GetSubmissionsByMsgID	GetNewSubmissionsRequest
SendAcks	SendAcks	SendAcks	GetNewSubmissionsResponse
SendSubmissionReceipts	SendSubmissionReceipts	SendSubmissionReceipts	GetSubmissionRequest
GetSubmissionReconciliationList	GetSubmissionReconciliationList	GetSubmissionReconciliationList	GetSubmissionResponse
			GetSubmissionsByMsgIDRequest
			GetSubmissionsByMsgIDResponse
			GetSubmissionsRequest
			GetSubmissionsResponse
			SendAcksRequest
			SendAcksResponse
			SendSubmissionReceiptsRequest
			SendSubmissionReceiptsResponse
			GetSubmissionReconciliationListRequest
			GetSubmissionReconciliationListResponse
			MeFException
Transmitter Services Accessable by States			
services	bindings	porttypes	messages
GetSubmissionsStatus	GetSubmissionsStatus	GetSubmissionsStatus	GetSubmissionsStatusRequest
GetSubmissionStatus	GetSubmissionStatus	GetSubmissionStatus	GetSubmissionsStatusResponse
			GetSubmissionStatusRequest
			GetSubmissionStatusResponse

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](#)

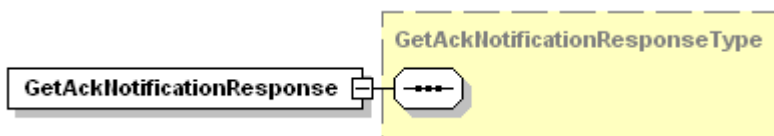
properties content complex

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

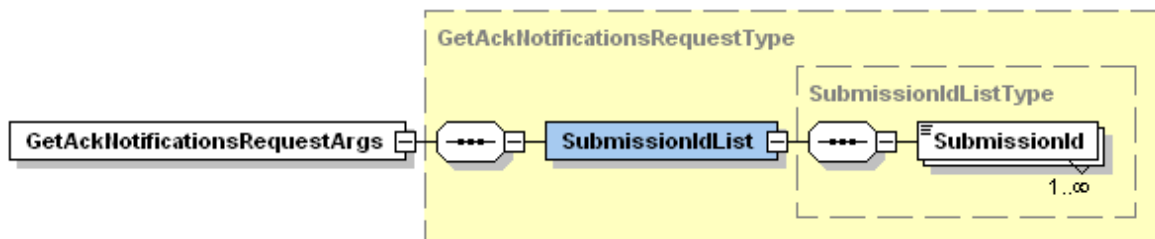
source `<xsd:element name="GetAckNotificationResponse" type="msx:GetAckNotificationResponseType"/>`

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 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

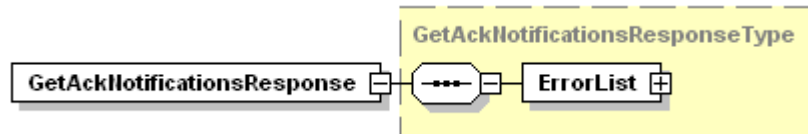
children [SubmissionIdList](#)

source

```
<xsd:element name="GetAckNotificationsRequestArgs" type="msx:GetAckNotificationsRequestType"/>
<xsd:complexType name="GetAckNotificationsRequestType">
  <xsd:sequence>
    <xsd:element name="SubmissionIdList" type="msx:SubmissionIdListType"/>
  </xsd:sequence>
</xsd:complexType>
```

1.7.3.2.2 element GetAckNotificationsResponse

diagram



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

type [GetAckNotificationsResponseType](#)

properties content complex

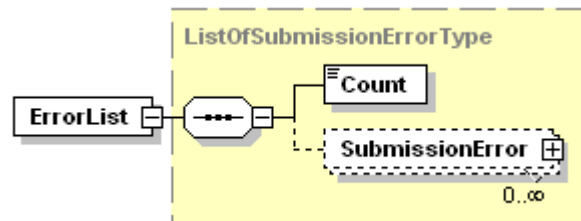
children [ErrorList](#)

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

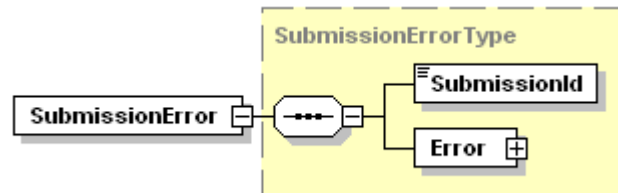
children [Count](#) [SubmissionError](#)

source

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

ListOfSubmissionErrorType/SubmissionError

diagram



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

type [SubmissionErrorType](#)

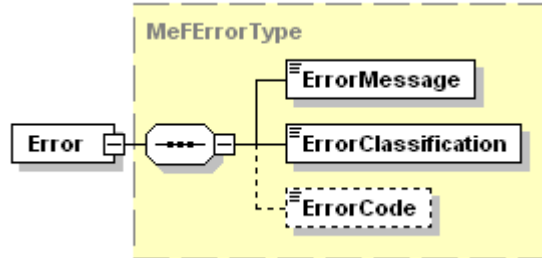
properties isRef 0
content complex

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](#)

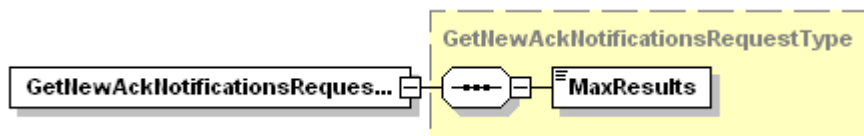
source `<xsd:element name="Error" type="MeFErrorType"/>`

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](#)

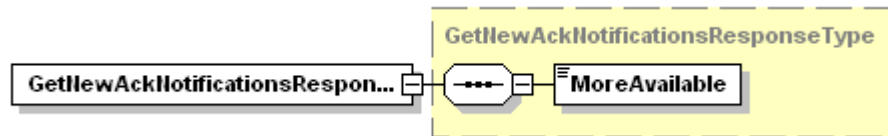
properties content complex

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

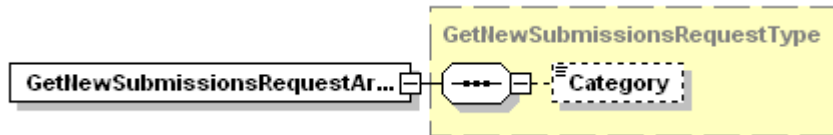
The State applications will have authorization to programmatically request a Web Service to retrieve new submissions for a specified category of state submissions. The requesting system will provide a GetNewSubmissionsRequestArgs message in the SOAP body containing an optional submission category and a MeFHeader message in the SOAP header containing the ETIN. Beginning with MeF Release 6.1, the response message attachment zip file is built by the MeF application in advance of any Get New Submissions Web service calls. Therefore the MaxResults element was deleted for MeF R6.2. If successful, the service returns a GetNewSubmissionsResponse message in the SOAP body and a single pre-built 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 with the specified criteria are available and a list of IRS Data structures defined in Section 1.7.3.4.2. The valid submission categories are:

- CORP (Corporations)
- EO (Tax Exempt Organizations)
- PART (Partnerships)
- IND (Individuals)
- all (CORP or PART or EO or IND)

NOTE: Any particular ETIN requesting “all” will retrieve submissions for any one of CORP, PART, EO, or IND 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

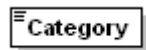
children [MaxResults](#) [Category](#)

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

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

GetNewSubmissionsRequestType/Category

diagram



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

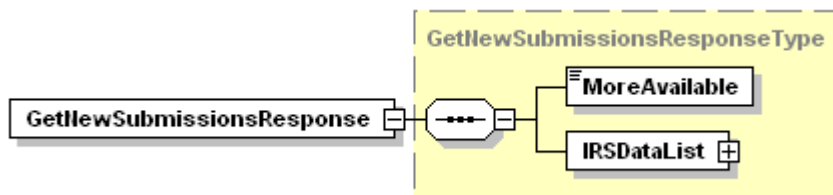
type [CategoryType](#)

properties isRef 0
content simple
facets enumeration CORP
enumeration EO
enumeration PART
enumeration IND
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](#)

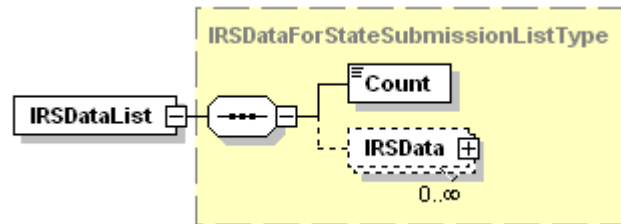
properties content complex

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

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

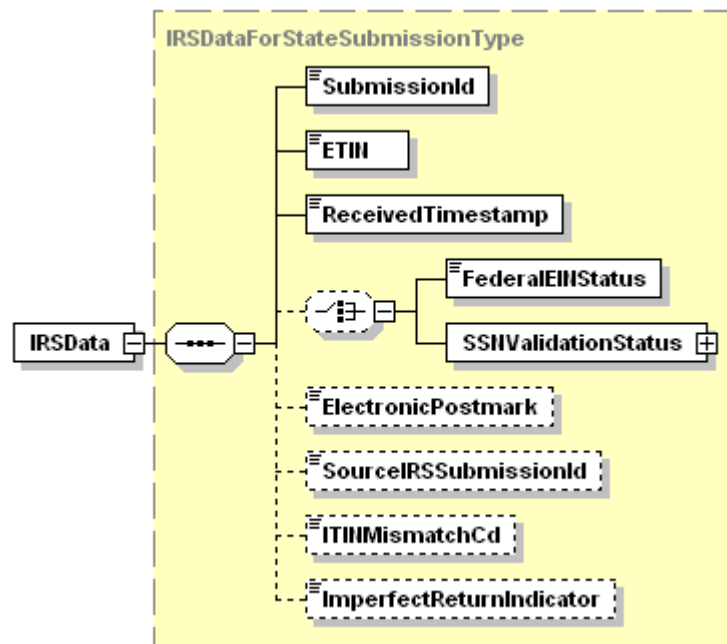
GetNewSubmissionsResponseType/IRSDataList

diagram

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

```

<xsd:complexType name="IRSDataForStateSubmissionType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="msx:SubmissionIdType"/>
    <xsd:element name="ETIN" type="xsd:string"/>
    <xsd:element name="ReceivedTimestamp" type="xsd:dateTime"/>
    <xsd:choice minOccurs="0">
      <xsd:element name="FederalEINStatus">
        <xsd:simpleType>

```

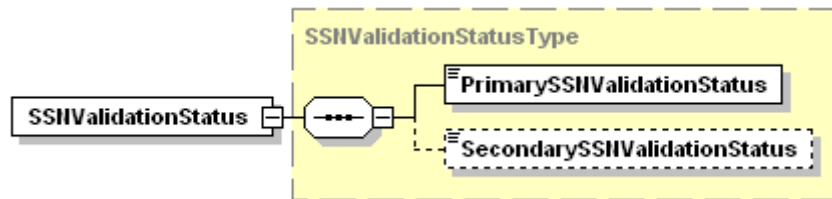
```

        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SSNValidationStatus" type="SSNValidationStatusType"/>
  </xsd:choice>
  <xsd:element name="ElectronicPostmark" type="xsd:dateTime" minOccurs="0"/>
  <xsd:element name="SourceIRSSubmissionId" type="msx:SubmissionIdType" minOccurs="0"/>
  <!-- ITINMismatchCd - An indication if the linked federal Primary TIN is an ITIN Mismatch -->
  <xsd:element name="ITINMismatchCd" type="xsd:string" minOccurs="0"/>
  <xsd:element name="ImperfectReturnIndicator" type="xsd:string" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

```

IRSData/SSNValidationStatus

diagram



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

type [SSNValidationStatusType](#)

properties
isRef 0
content complex

children [PrimarySSNValidationStatus](#) [SecondarySSNValidationStatus](#)

source

```
<xsd:element name="SSNValidationStatus" type="SSNValidationStatusType" minOccurs="0"/>
```

```

<xsd:complexType name="SSNValidationStatusType">
  <xsd:sequence>
    <xsd:element name="PrimarySSNValidationStatus">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
          <xsd:enumeration value="No Access"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SecondarySSNValidationStatus" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
          <xsd:enumeration value="No Access"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

```

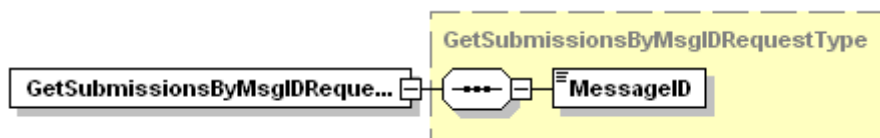
1.7.3.5 Get Submissions by Message ID

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 were available at the time the previous Get New Submissions request was processed and a list of IRS Data structures defined in Section 1.7.3.5.2.

1.7.3.5.1 element GetSubmissionsByMsgIDRequestArgs

diagram



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

type [GetSubmissionsByMsgIDRequestType](#)

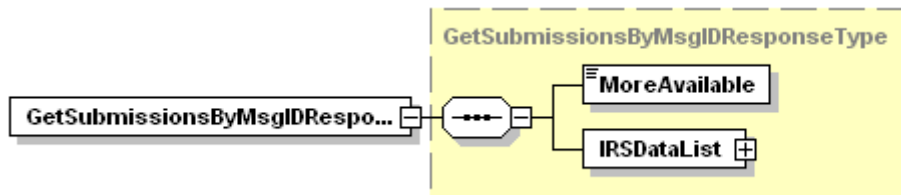
properties content complex

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](#)

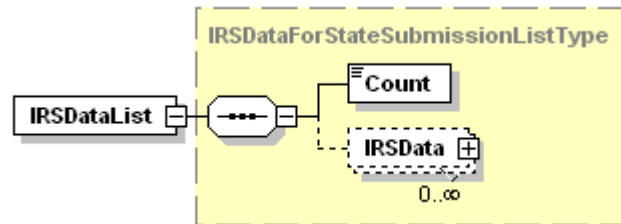
properties content complex

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

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

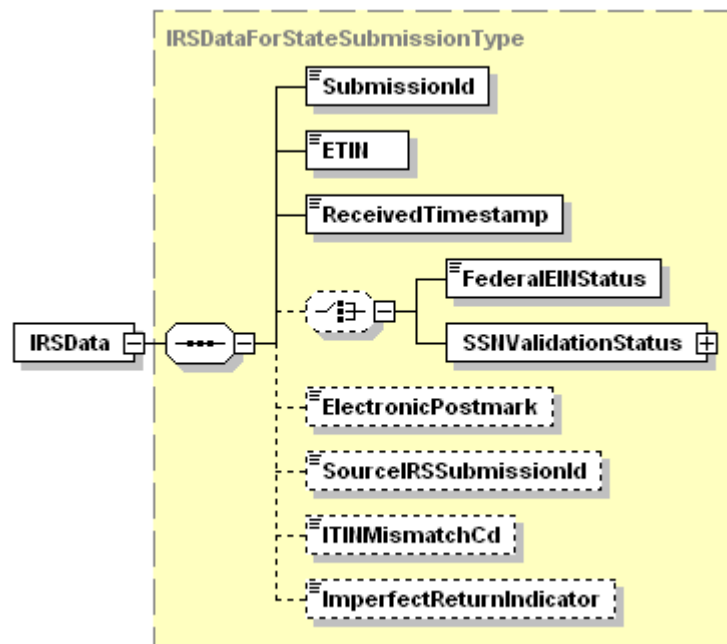
GetSubmissionsByMsgIDResponseType/IRSDataList

diagram

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

```

<xsd:complexType name="IRSDataForStateSubmissionType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="msx:SubmissionIdType"/>
    <xsd:element name="ETIN" type="xsd:string"/>
    <xsd:element name="ReceivedTimestamp" type="xsd:dateTime"/>
    <xsd:choice minOccurs="0">
      <xsd:element name="FederalEINStatus">
        <xsd:simpleType>

```

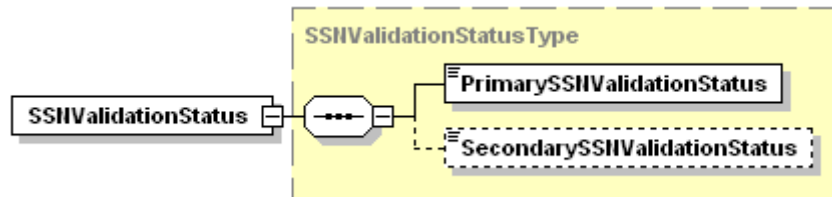
```

        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SSNValidationStatus" type="SSNValidationStatusType"/>
  </xsd:choice>
  <xsd:element name="ElectronicPostmark" type="xsd:dateTime" minOccurs="0"/>
  <xsd:element name="SourceIRSSubmissionId" type="msx:SubmissionIdType" minOccurs="0"/>
  <!-- ITINMismatchCd - An indication if the linked federal Primary TIN is an ITIN Mismatch -->
  <xsd:element name="ITINMismatchCd" type="xsd:string" minOccurs="0"/>
  <xsd:element name="ImperfectReturnIndicator" type="xsd:string" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

```

IRSData/SSNValidationStatus

diagram



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

type [SSNValidationStatusType](#)

properties
isRef 0
content complex

children [PrimarySSNValidationStatus](#) [SecondarySSNValidationStatus](#)

source

```
<xsd:element name="SSNValidationStatus" type="SSNValidationStatusType" minOccurs="0"/>
```

```

<xsd:complexType name="SSNValidationStatusType">
  <xsd:sequence>
    <xsd:element name="PrimarySSNValidationStatus">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
          <xsd:enumeration value="No Access"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SecondarySSNValidationStatus" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
          <xsd:enumeration value="No Access"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

```

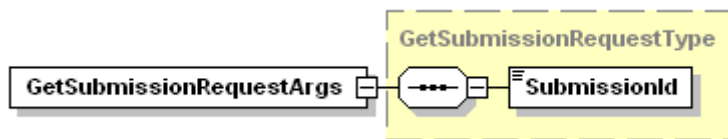
1.7.3.6 Get Submission

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 IRS Data structure defined in Section 1.7.3.6.2.

1.7.3.6.1 element GetSubmissionRequestArgs

diagram



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

type [GetSubmissionRequestType](#)

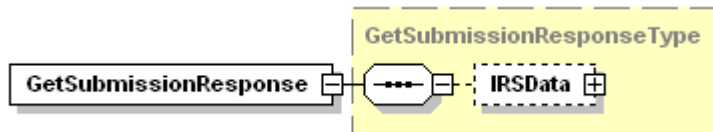
properties content complex

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](#)

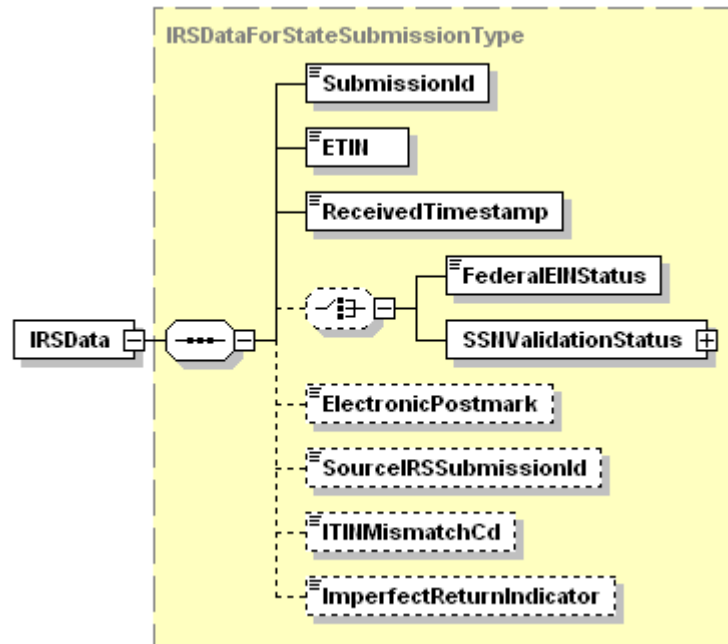
properties content complex

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](#) [SSNValidationStatus](#) [ElectronicPostmark](#) [SourceIRSSubmissionId](#) [ITINMismatchCd](#) [ImperfectReturnIndicator](#)source `<xsd:element name="IRSData" type="msx:IRSDataForStateSubmissionType" maxOccurs="unbounded"/>`

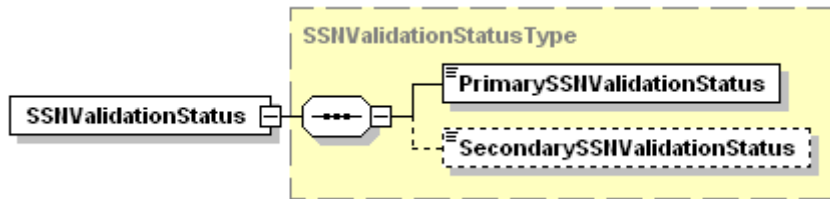
```

<xsd:complexType name="IRSDataForStateSubmissionType">
  <xsd:sequence>
    <xsd:element name="SubmissionId" type="msx:SubmissionIdType"/>
    <xsd:element name="ETIN" type="xsd:string"/>
    <xsd:element name="ReceivedTimestamp" type="xsd:dateTime"/>
    <xsd:choice minOccurs="0">
      <xsd:element name="FederalEINStatus">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:enumeration value="Found Match"/>
            <xsd:enumeration value="Found No Match"/>
            <xsd:enumeration value="Not Found"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="SSNValidationStatus" type="SSNValidationStatusType"/>
    </xsd:choice>
    <xsd:element name="ElectronicPostmark" type="xsd:dateTime" minOccurs="0"/>
    <xsd:element name="SourceIRSSubmissionId" type="msx:SubmissionIdType" minOccurs="0"/>
    <!-- ITINMismatchCd - An indication if the linked federal Primary TIN is an ITIN Mismatch -->
    <xsd:element name="ITINMismatchCd" type="xsd:string" minOccurs="0"/>
    <xsd:element name="ImperfectReturnIndicator" type="xsd:string" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

IRSData/SSNValidationStatus

diagram

namespace <http://www.irs.gov/a2a/mef/MeFStateService.xsd>type [SSNValidationStatusType](#)properties
isRef 0
content complexchildren [PrimarySSNValidationStatus](#) [SecondarySSNValidationStatus](#)

```

source <xsd:element name="SSNValidationStatus" type="SSNValidationStatusType" minOccurs="0"/>
<xsd:complexType name="SSNValidationStatusType">
  <xsd:sequence>
    <xsd:element name="PrimarySSNValidationStatus">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
          <xsd:enumeration value="No Access"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SecondarySSNValidationStatus" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
          <xsd:enumeration value="No Access"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
  
```

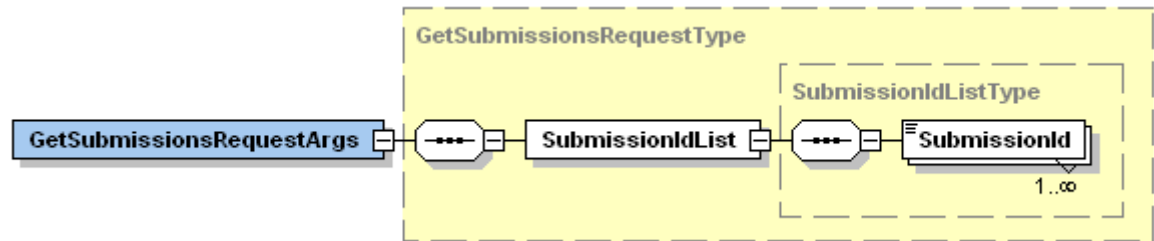
1.7.3.7 Get Submissions

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 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 IRS Data structures defined in Section 1.7.3.7.2 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](#)

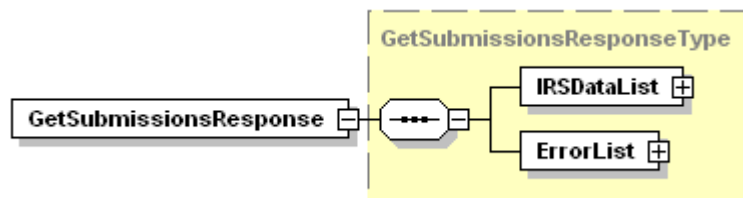
source `<xsd:element name="GetSubmissionsRequestArgs" type="msx:GetSubmissionsRequestType"/>`

```
<xsd:complexType name="GetSubmissionsRequestType">
  <xsd:sequence>
    <xsd:element name="SubmissionIdList" type="msx:SubmissionIdListType"/>
  </xsd:sequence>
</xsd:complexType>

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

1.7.3.7.2 element GetSubmissionsResponse

diagram



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

type [GetSubmissionsResponseType](#)

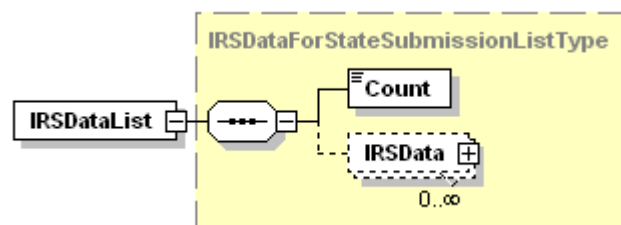
properties content complex

children [IRSDDataList](#) [ErrorList](#)

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

GetSubmissionsResponseType/IRSDDataList

diagram



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

type [IRSDataForStateSubmissionListType](#)

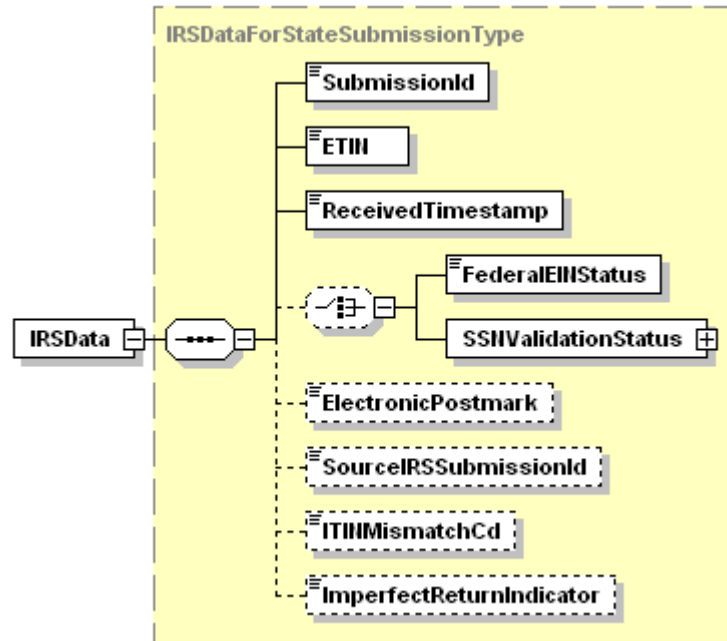
properties isRef 0
content complex

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](#) [SSNValidationStatus](#) [ElectronicPostmark](#) [SourceIRSSubmissionId](#) [ITINMismatchCd](#) [ImperfectReturnIndicator](#)

source `<xsd:element name="IRSData" type="msx:IRSDataForStateSubmissionType" minOccurs="0" maxOccurs="unbounded"/>`
`<xsd:complexType name="IRSDataForStateSubmissionType">`
`<xsd:sequence>`
`<xsd:element name="SubmissionId" type="msx:SubmissionIdType"/>`
`<xsd:element name="ETIN" type="xsd:string"/>`
`<xsd:element name="ReceivedTimestamp" type="xsd:dateTime"/>`
`<xsd:choice minOccurs="0">`
`<xsd:element name="FederalEINStatus">`
`<xsd:simpleType>`
`<xsd:restriction base="xsd:string">`
`<xsd:enumeration value="Found Match"/>`
`<xsd:enumeration value="Found No Match"/>`
`<xsd:enumeration value="Not Found"/>`
`</xsd:restriction>`
`</xsd:simpleType>`
`</xsd:element>`
`<xsd:element name="SSNValidationStatus" type="SSNValidationStatusType"/>`
`</xsd:choice>`
`<xsd:element name="ElectronicPostmark" type="xsd:dateTime" minOccurs="0"/>`
`<xsd:element name="SourceIRSSubmissionId" type="msx:SubmissionIdType" minOccurs="0"/>`
`<!-- ITINMismatchCd - An indication if the linked federal Primary TIN is an ITIN Mismatch -->`

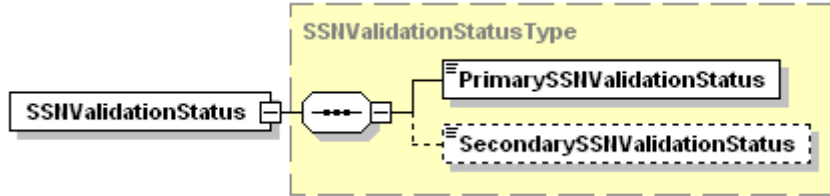
```

<xsd:element name="ITINMismatchCd" type="xsd:string" minOccurs="0"/>
<xsd:element name="ImperfectReturnIndicator" type="xsd:string" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

```

IRSData/SSNValidationStatus

diagram



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

type [SSNValidationStatusType](#)

properties isRef 0
content complex

children [PrimarySSNValidationStatus](#) [SecondarySSNValidationStatus](#)

```

source <xsd:element name="SSNValidationStatus" type="SSNValidationStatusType" minOccurs="0"/>
<xsd:complexType name="SSNValidationStatusType">
  <xsd:sequence>
    <xsd:element name="PrimarySSNValidationStatus">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
          <xsd:enumeration value="No Access"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SecondarySSNValidationStatus" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="Found Match"/>
          <xsd:enumeration value="Found No Match"/>
          <xsd:enumeration value="Not Found"/>
          <xsd:enumeration value="No Access"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

```

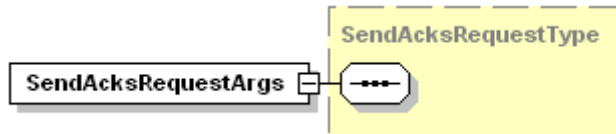
1.7.3.8 Send Acks Request

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 (with what was already processed by another Send Acks request) all of them will be rejected and a SOAP fault will be returned to the requesting system identifying only the first duplicate encountered. If a schema validation error is encountered in any one of the acknowledgements, all of them will be rejected and a SOAP fault will be returned to the requesting system identifying only the first schema validation error.

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>

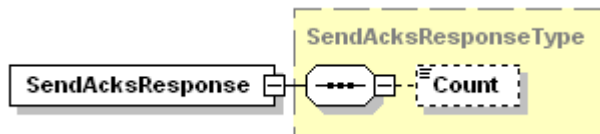
type [SendAcksRequestType](#)

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](#)

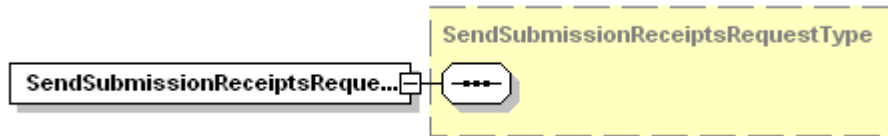
source `<xsd:element name="SendAcksResponse" type="msx:SendAcksResponseType"/>`

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 to the requesting system identifying only the first duplicate encountered. If the timestamp on one of the receipts is invalid all of them will be rejected and a SOAP fault will be returned to the requesting system identifying only the first error 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>

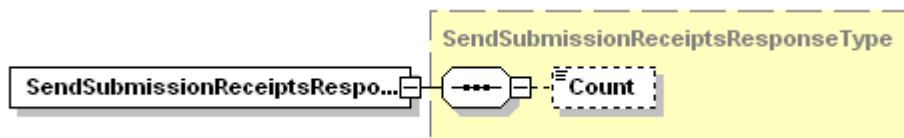
type [SendSubmissionReceiptsRequestType](#)

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 submissions MeF has marked as retrieved but 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/or start date and end date and/or submission status and a `MeFHeader` message in the SOAP header containing the ETIN. The requesting system can supply just the `MaxResults`, or the `MaxResults` and any combination of `Category`, `Start` and `End Date` pair and `SubmissionStatus`. Note that if a `StartDate` element is present, then a `EndDate` element must also be present and vice versa. Also note that the `SubmissionStatus` element is not yet supported. 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 the state has retrieved the submissions from the MeF (IRS) but a receipt and/or acknowledgement has not been received depending on the value specified in the submission status.

The valid submission Categories are:

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

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

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

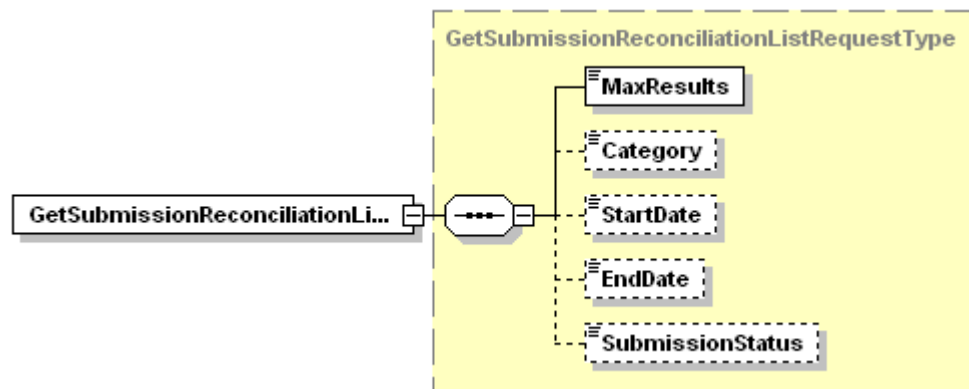
The valid Submission Status values are:

- NORECEIPT (Submissions for which no receipt has been received)
- NOACK (Submissions for which no acknowledgement has been received)
- both (Submissions for which no receipt and no acknowledgement has been received)
(This is the default if the optional Submission Status element is not specified)

If the Submission Status value is NORECEIPT then the submission IDs in the returned list will represent those for which a receipt has not been received. If the Submission Status value is NOACK then the submission IDs in the returned list will represent those for which an acknowledgement has not been received. If the Submission Status value is both then the submission IDs in the returned list will represent those for which neither a receipt nor an acknowledgement has not been received - If one or the other was received by the MeF then the submission ID will not be present in the list.

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](#) [StartDate](#) [EndDate](#) [SubmissionStatus](#)

```

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:element name="StartDate" type="xsd:date" minOccurs="0"/>
  
```

```

<xsd:element name="EndDate" type="xsd:date" minOccurs="0"/>
<xsd:element name="SubmissionStatus" type="SubmissionStatusType" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

```

GetSubmissionReconciliationListRequestType/MaxResults

diagram



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

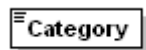
type **xsd:positiveInteger**

properties
 isRef 0
 content simple

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

GetSubmissionReconciliationListRequestType/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 IND
 enumeration all

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

GetSubmissionReconciliationListRequestType/SubmissionStatus

diagram



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

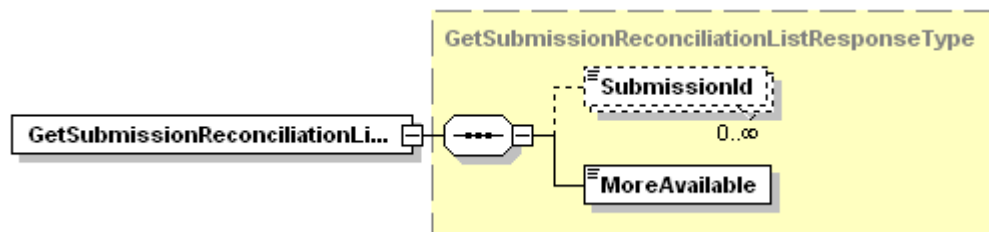
type [SubmissionStatusType](#)

properties
 isRef 0
 content simple
 facets
 enumeration NORECEIPT
 enumeration NOACK
 enumeration both

source **<xsd:element name="SubmissionStatus" type="SubmissionStatusType" minOccurs="0"/>**

1.7.3.10.2 element GetSubmissionReconciliationListResponse

diagram



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

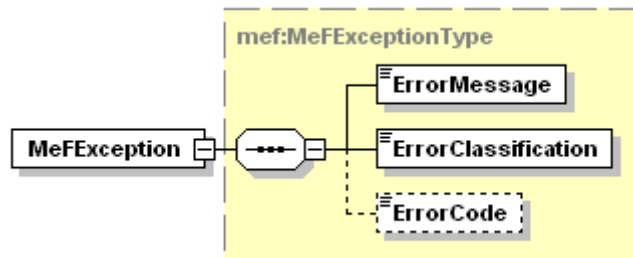
```
<xsd:element name="SubmissionId" type="SubmissionIdType" minOccurs="0" maxOccurs="unbounded"/>
<xsd:simpleType name="SubmissionIdType">
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="[0-9]{13}[a-z0-9]{7}"/>
  </xsd:restriction>
</xsd:simpleType>
```

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. Beginning with MeF Release 6.2, every XML message (federal and state submission manifests and submissions) must begin with an XML declaration that looks like `<?xml version="1.0" encoding="UTF-8"?>`. The declaration must always be the first XML statement on the first line of the file beginning in column 1. There may be other optional elements present, but the above format, including the elements `version="1.0"` and `encoding="UTF-8"` must be present and contain exactly the values `1.0` and `UTF-8`. 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 + ccyydd + 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.

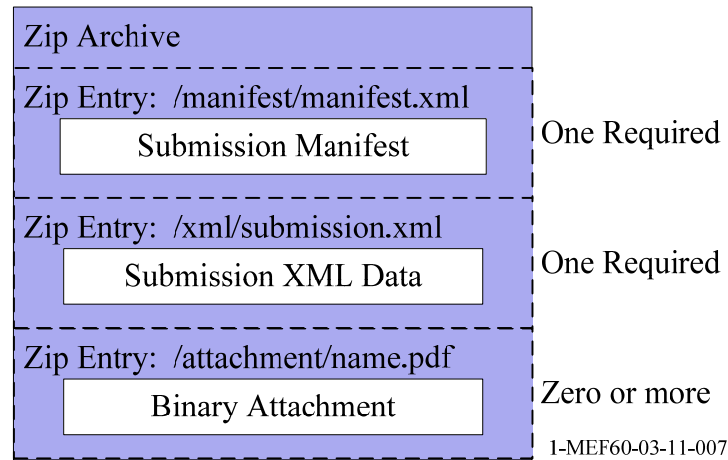


Figure 1-4. IRS Submission Message Structure

- **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.

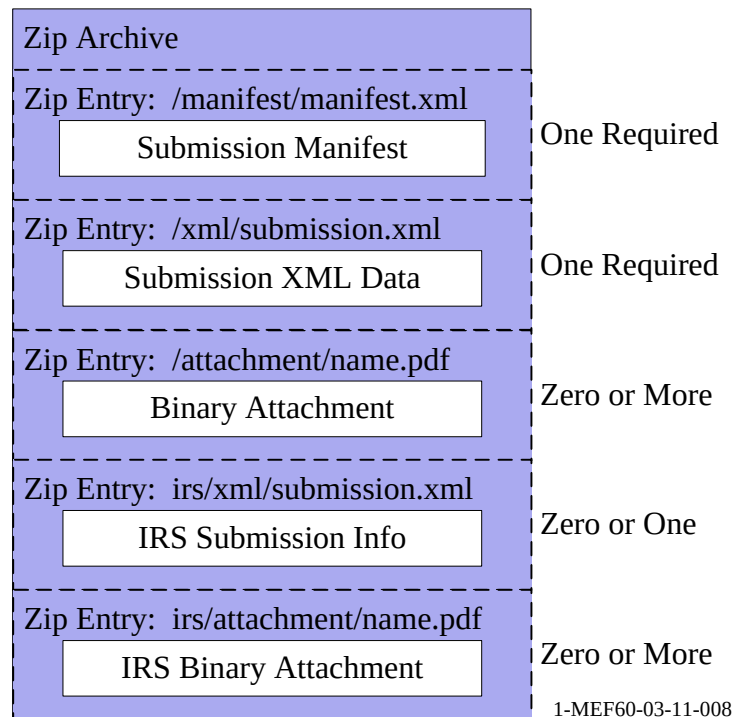


Figure 1-5. State Submission Message Structure

- **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.

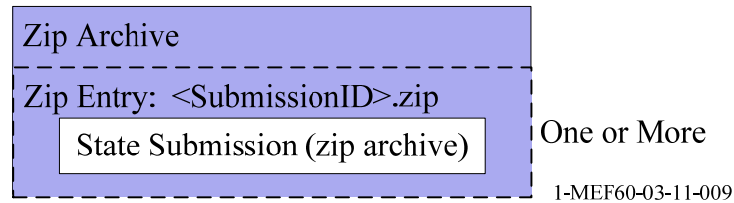


Figure 1-6. State Submission Response Message Structure

- **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 1-3, IRS Data for State Submission Elements.

Table 1-3. 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 or SSN Validation Status	(Optional) The results of the Federal EIN and name control lookup. (Valid Codes are: "Found Match", "Found No Match" or "Not Found") or The results of the SSN and name control lookup. (Valid Codes are: "Found Match", "Found No Match" or "Not Found" or "No Access")
Electronic Postmark	(Optional) The time stamp indicating when the transmitter received the originated submission 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).
ITIN Mismatch Code	(Optional) An indication if the linked federal Individual Primary TIN is an ITIN Mismatch (Codes TBD.)
Imperfect Return Indicator	(Optional) An indication if the linked federal Individual taxpayer return was accepted with an attribute of exception

1.8.5 Acknowledgements

State tax agencies send one state acknowledgement for each state submission it has processed to the IRS. Transmitters can then retrieve the acknowledgements from the IRS. 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, Acknowledgements Structure.



Figure 1-7. Acknowledgements 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.

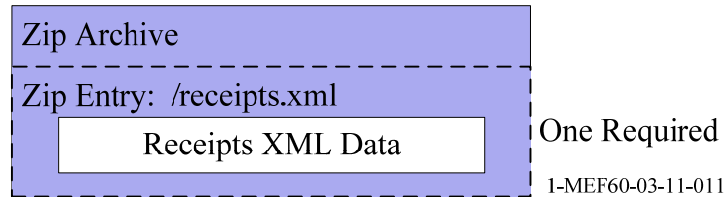


Figure 1-8. Receipts Structure

- **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.

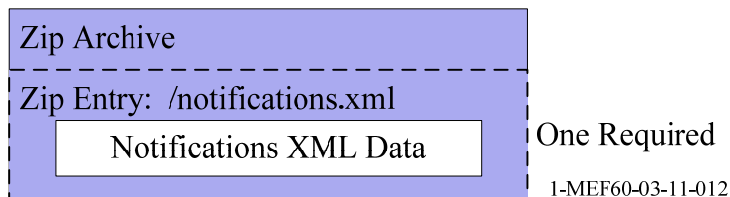


Figure 1-9. Acknowledgement Notifications Structure

- **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.

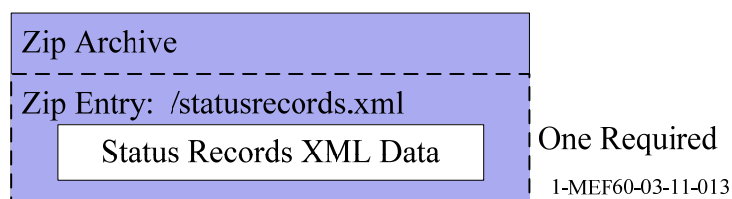


Figure 1-10. Status Records Structure

- **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. The options for the submission status descriptions are shown in the table below.

Table 1-4. Status Description Options

Submission Status Description
The status of a submission with respect to events based on external systems activities. The possible values include: ACK_RETRIEVED = Indicates the transmitter has retrieved the acknowledgement for the submission (IRS or State). ACKD_BYSTATE = Indicates the state has sent to the MeF System an acknowledgement for the State submission. ACKNOWLEDGED = Indicates the MeF System has created an acknowledgement for the IRS submission. DENIED = Indicates the State submission has been denied by the IRS. NOTIFIED = Indicates the IRS has notified the state that the state-generated acknowledgement has been retrieved by the transmitter. READY = Indicates the MeF system has made the State submission available to the state for retrieval. RECEIVED = Indicates the submission (IRS or State) has been received by the MeF System. STATE_RECVD = Indicates the state has sent to the MeF System a receipt that the State submission has been received. STATE_RETR = Indicates the MeF System has sent the State submission to the state in response to a state retrieval request.
Retrieval Status Description
The current retrieval status. The possible values include: G = Status corresponding to the initial generation of the retrievable entity. R = Status corresponding to the fact that the retrievable entity has been retrieved by a requesting party.

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.

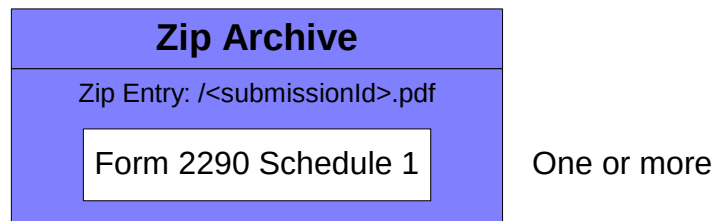


Figure 1-11. Stamped Form 2290 Schedule 1s Attachment Structure

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.

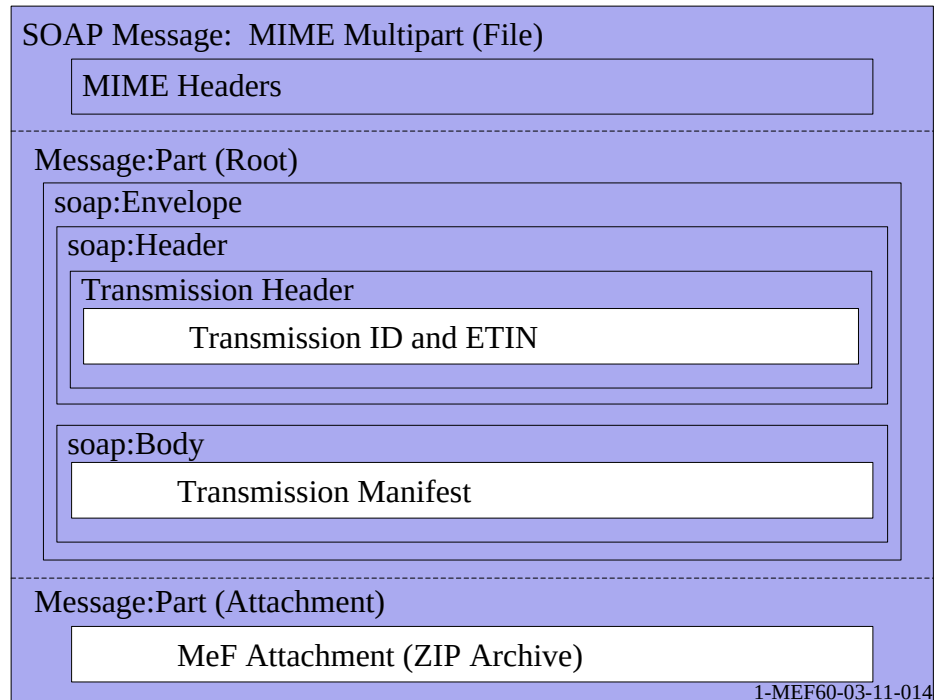


Figure 1-12. IFA Transmission File Structure

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

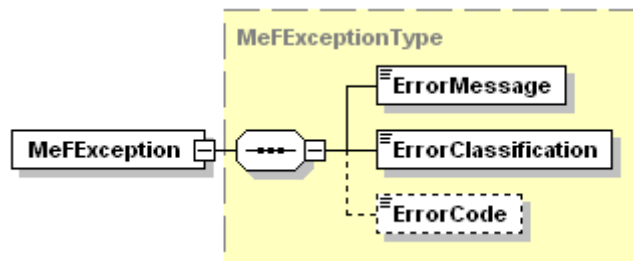
When faults (or errors) occur while processing a MSI service request, the client process is notified via a SOAP fault response containing a MeFException message within the SOAP fault detail tag. This interface is defined as a MeFFault message with the only element being the complex type MeFException 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	<pre><wsdl:message name="MeFFaultMessage"> <wsdl:part name="MeFFault" element="mef:MeFException"/> </wsdl:message></pre>

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

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

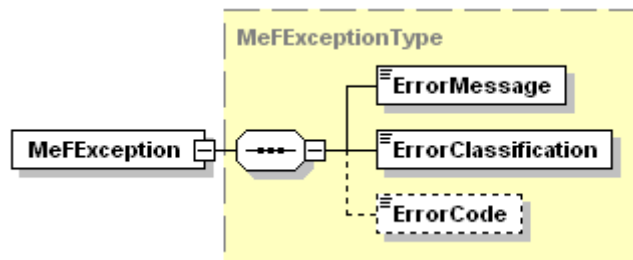
parts	MeFException
element	mtx:MeFException
used by	PortType SendSubmissions in Operation SendSubmissions PortType GetNewAcks in Operation GetNewAcks PortType GetAcks in Operation GetAcks PortType GetAck in Operation GetAck PortType GetNewSubmissionsStatus in Operation GetNewSubmissionsStatus PortType GetSubmissionsStatus in Operation GetSubmissionsStatus PortType GetSubmissionStatus in Operation GetSubmissionStatus PortType GetAcksByMsgID in Operation GetAcksByMsgID PortType GetNew2290Schedule1s in Operation GetNew2290Schedule1s PortType Get2290Schedule1s in Operation Get2290Schedule1s PortType Get2290Schedule1 in Operation Get2290Schedule1 PortType Get2290Schedule1sByMsgID in Operation Get2290Schedule1sByMsgID
source	<pre><wsdl:message name="MeFException"> <wsdl:part name="MeFException" element="mtx:MeFException"/> </wsdl:message></pre>

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

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.
          </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, A2A WSDL and XML Schema Files. 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
MeFStateServiceMTOM_SeparateServices.wsdl	MeFStateServiceMTOM.xsd
MeFTransmitterService_SeparateServices.wsdl	MeFTransmitterService.xsd
MeFTransmitterServiceWse_SeparateServices.wsdl	MeFTransmitterServiceMTOM.xsd
MeFTransmitterServiceMTOM_SeparateServices.wsdl	
ETECTransmitterService_SeparateServices.wsdl	ETECTransmitterService.xsd
ETECTransmitterServiceWse_SeparateServices.wsdl	ETECTransmitterServiceMTOM.xsd
ETECTransmitterServiceMTOM_SeparateServices.wsdl	xmime.xsd

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, A2A Target Namespaces. The XML namespace prefixes used are presented in Table 2-3, A2A XML Namespace Prefixes.

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
MeFStateServiceMTOM.xsd	http://www.irs.gov/a2a/mef/MeFStateServiceMTOM.xsd
MeFTransmitterService.xsd	http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd
MeFTransmitterServiceMTOM.xsd	http://www.irs.gov/a2a/mef/MeFTransmitterServiceMTOM.xsd
ETECTransmitterService.xsd	http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd
ETECTransmitterServiceMTOM.xsd	http://www.irs.gov/a2a/mef/ETECTransmitterServiceMTOM.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
MeFStateServiceMTOM_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFStateServiceMTOM
MeFTransmitterService_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFTransmitterService
MeFTransmitterServiceWse_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFTransmitterServiceWse
MeFTransmitterServiceMTOM_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/MeFTransmitterServiceMTOM
ETECTransmitterService_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/ETECTransmitterService
ETECTransmitterServiceWse_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/ETECTransmitterServiceWse
ETECTransmitterServiceMTOM_SeparateServices.wsdl	http://www.irs.gov/a2a/mef/ETECTransmitterServiceMTOM

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
xmime	http://www.w3.org/2005/05/xmlmime
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/
xmime	http://www.w3.org/2005/05/xmlmime
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/MeFTransmitterServiceWse.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, IFA XML Schema Files. 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, IFA Target Namespaces. The XML namespace prefixes used are presented in Table 2-6, IFA XML Namespace Prefixes.

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

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 or State 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/octet-stream

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, DIME, and MTOM 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 (and as of Release 6.1 for Password Authenticated users as well). 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:SessionIndicator>N</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <ns1:AppSysID>username</ns1:AppSysID>      ← Here for all 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">
      <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:MeF>
  </e:Header>
```

```

        <ns0:SessionIndicator>N</ns0:SessionIndicator>
        <ns0:TestIndicator>P</ns0:TestIndicator>
        <ns0:AppSysID>username</ns0:AppSysID> ← Here for all users
    </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:AppSysID>username</ns1:AppSysID> ← Also here for Password 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">
            <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="hdr">
      <ns1:MessageID>001232006026123abcde</ns1:MessageID>
      <ns1:Action>https://www.irs.gov/a2a/mef/Login/</ns1:Action>
      <ns1:Timestamp>2006-09-27T08:55:29.348Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>T</ns1:TestIndicator>
      <ns1:AppSysID>username</ns1:AppSysID>
    </ns1:MeF>
  </SOAP-ENV:Header>
  <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/PtYtAaMB0GA1UdDgQWBBSrtL3lSnDOzSluMLggQUgHpkDFGTABgNV
      HRMEAjAAMBkGCSqGSIb2fQdBAQMMAobBFY1LjADAgMoMA0GCSqGSIb3DQEB
      BQUAA4GBAC6SVzmX2I2kr5f0Na83ujcSwixpzHE2LqLBFsKm0GdPdardHFB2Qt85zbQ9
      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+Il8L9GRgPhAATgne8Rh3jOaq
            nfrJ5BBM0VmbZdL+c7dfNcnpW13D/kltZMvIFRXR87Hs=
          </ds:SignatureValue>
          <ds:KeyInfo>
```

← Here for Strong Authentication users

```

        <wsse:SecurityTokenReference>
          <wsse:Reference URI="#X509Token"/>
        </wsse:SecurityTokenReference>
      </ds:KeyInfo>
    </ds:Signature>
  </wsse:Security>      ← No UsernameToken for Strong Authentication users
</SOAP-ENV:Header>
<SOAP-ENV:Body ID="myBody">
  <LoginRequest xmlns="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd"/>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

4.1.4 Login Service Response Message

The Login Service Response Messages for Password Authenticated and Strong Authentication are identical in format. The response message is presented in the subsection that follows.

4.1.4.1 Login Service Response Message for All 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="hdr">
      <ns1:MessageID>001232006026123abcdeR</ns1:MessageID>
      <ns1:RelatesTo>001232006026123abcde</ns1:RelatesTo>
      <ns1:Action>https://www.irs.gov/a2a/mef/Login/</ns1:Action>
      <ns1:Timestamp>2006-09-27T08:55:29.348Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>T</ns1:TestIndicator>
      <ns1:AppSysID>username</ns1:AppSysID>      ← Here for all 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>2006-09-27T08:55:41Z</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>
        wFQ7FQ0TQ2RclpYC0ZBTNPfY58xYF9LWNqNqatTutnMyQSE89FWm4B
        +yWsvq8+DGJSFx5KQszPG9RqYkPF3FF52cRt1DNg5FkwOMMYgW7VjRk3
        LiLhEILo6Fc6GfQhBIRGihkwrAXXtGOr2ZZ+jR7YtsdevpjeuQzKCDgd0qsR3n
        d.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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>

```

4.1.5 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: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
      ghtyPBVRi1P59D8BalhMAMeZIx93aOE1B9aW8DXcS4NJSxJhugW2bewMg
      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: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-
      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>
    </wsse:Security>
  </e:Header>
  <e:Body>
    <ns1:ChangePasswordResponse xmlns:ns1="http://www.irs.gov/a2a/mef/MeFMSIServices.xsd">
      <ns1:Result>Success</ns1:Result>
    </ns1:ChangePasswordResponse>
  </e:Body>
</e:Envelope>

```

```

</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
        ghtyPBVRi1P59D8BalhMAMeZlXz93aOE1B9aW8DXcS4NJSxJhugW2bewMg
        ySwi/+zhLvTAEyF1tScTEdSy5TrgGdgHaSrfC8ikNNdHFWRIGHT+.....
        .....</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>
</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

```

<?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" Id="hdr">
      <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:AppSysID>username</ns1:AppSysID>      ← Here for all 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: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 also
</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

```

<?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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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:AppSysID>username</ns0:AppSysID> ← For all 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" Id="hdr">
      <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>
      <ns1:AppSysID>username</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">
      <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>

```

← For all users

```

<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/PZZZSmQGje...
    .....</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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 all users
    </ns0:MeF>
  </e:Header>

```

```

<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:Security>

```

```

    <wsse:Username>username</wsse:Username> ← Here also
  </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" Id="hdr">
            <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:MeF>
    </SOAP-ENV:Header>

```

```

<ns1:SessionIndicator>Y</ns1:SessionIndicator>
<ns1:TestIndicator>P</ns1:TestIndicator>
<AppSysID>username</AppSysID>      ← For all 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
          s9Pj73JlZ+voHUyFSK1fbsWz+NvNlrV5jjXvY1BvmkdBpbsfKSr1ZduMbSfqEf
          WBIwvMqSityIe0ohxoRqjsyfuYRM.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:Subject>
    </saml:AttributeStatement>
  </saml:Assertion>
</wsse:Security>

```

```

    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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 all 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
      WBIwvMqSityIe0ohxoRqjsyfuYRM.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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>

```

```

    </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" Id="hdr">
      <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 all 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
  s9Pj73JlZ+voHUyFSK1fbsWz+NvNlrV5jjXvY1BvmkdBpbsfKSr1ZduMbSfqEf
  WBIwvMqSityIe0ohxoRqjsyfuYRM.....</saml:AttributeValue>
</saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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 all 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
          WBIwvMqSityIe0ohxoRqjsyfuYRM.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username> ← Here also
    </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:StateParticipant>
  <wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">IL</wn1:state>
    <wn1:participantPrograms i:type="d:string">ILSTEF ! 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">KSSTEF ! 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">ILSTEB ! P</wn1:participantPrograms>
  </wn1:StateParticipant>
  <wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">LA</wn1:state>
    <wn1:participantPrograms i:type="d:string">LASTCF ! P</wn1:participantPrograms>
  </wn1:StateParticipant>
  <wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">LA</wn1:state>
    <wn1:participantPrograms i:type="d:string">LASTCB ! P</wn1:participantPrograms>
  </wn1:StateParticipant>
  <wn1:StateParticipant i:type="wn1:StateParticipantType">

```

```

    <wn1:state i:type="d:string">LA</wn1:state>
    <wn1:participantPrograms i:type="d:string">LASTCB ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">MI</wn1:state>
    <wn1:participantPrograms i:type="d:string">MISTCF ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">LA</wn1:state>
    <wn1:participantPrograms i:type="d:string">LASTEF ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">MI</wn1:state>
    <wn1:participantPrograms i:type="d:string">MISTCB ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">LA</wn1:state>
    <wn1:participantPrograms i:type="d:string">LASTEB ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">LA</wn1:state>
    <wn1:participantPrograms i:type="d:string">LASTEB ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">NY</wn1:state>
    <wn1:participantPrograms i:type="d:string">NYSTCF ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">MI</wn1:state>
    <wn1:participantPrograms i:type="d:string">MISTEF ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">MI</wn1:state>
    <wn1:participantPrograms i:type="d:string">MISTEB ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">MI</wn1:state>
    <wn1:participantPrograms i:type="d:string">MISTEB ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">NY</wn1:state>
    <wn1:participantPrograms i:type="d:string">NYSTCB ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">MD</wn1:state>
    <wn1:participantPrograms i:type="d:string">MDSTCF ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
    <wn1:state i:type="d:string">MD</wn1:state>
    <wn1:participantPrograms i:type="d:string">MDSTCF ! T</wn1:participantPrograms>
</wn1:StateParticipant>

```

```

<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">NY</wn1:state>
  <wn1:participantPrograms i:type="d:string">NYSTEF ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">NY</wn1:state>
  <wn1:participantPrograms i:type="d:string">NYSTEB ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">MD</wn1:state>
  <wn1:participantPrograms i:type="d:string">MDSTCB ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">MD</wn1:state>
  <wn1:participantPrograms i:type="d:string">MDSTEF ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">MD</wn1:state>
  <wn1:participantPrograms i:type="d:string">MDSTEF ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">MD</wn1:state>
  <wn1:participantPrograms i:type="d:string">MDSTEB ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">MD</wn1:state>
  <wn1:participantPrograms i:type="d:string">MDSTEB ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">NM</wn1:state>
  <wn1:participantPrograms i:type="d:string">NMSTCF ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">CA</wn1:state>
  <wn1:participantPrograms i:type="d:string">CASTCB ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">CA</wn1:state>
  <wn1:participantPrograms i:type="d:string">CASTCB ! T</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">NM</wn1:state>
  <wn1:participantPrograms i:type="d:string">NMSTCB ! P</wn1:participantPrograms>
</wn1:StateParticipant>
<wn1:StateParticipant i:type="wn1:StateParticipantType">
  <wn1:state i:type="d:string">NM</wn1:state>
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      <wn1:participantPrograms i:type="d:string">PASTE ! T</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">PA</wn1:state>
      <wn1:participantPrograms i:type="d:string">PASTEB ! P</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">TN</wn1:state>
      <wn1:participantPrograms i:type="d:string">TNSTCF ! T</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">TN</wn1:state>
      <wn1:participantPrograms i:type="d:string">TNSTCB ! P</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">TN</wn1:state>
      <wn1:participantPrograms i:type="d:string">TNSTEF ! T</wn1:participantPrograms>
    </wn1:StateParticipant>
    <wn1:StateParticipant i:type="wn1:StateParticipantType">
      <wn1:state i:type="d:string">TN</wn1:state>
      <wn1:participantPrograms i:type="d:string">TNSTEB ! 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">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, DIME, and MTOM except for the attachment transport mechanism.

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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID>      ← For all 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
            Yp2D1oUCP58f4Av0t9yyBRhSKF.....</saml:AttributeValue>
        </saml:Attribute>
    </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ⬅ Here also
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
    <GetNewSubmissionsRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
        <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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID>      ← For all 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
        Yp2D1oUCP58f4Av0t9yyBRhSKF.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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>00234520060320000057</ns10:SourceIRSSubmissionId>
        <ns10:ITINMismatchCd>Not Found</ns10:ITINMismatchCd>
        <ns10:ImperfectReturnIndicator>true</ns10:ImperfectReturnIndicator>
      <!-- Note: The last 3 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" Id="hdr">

```

```

<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>
<ns1:AppSysID>username</ns1:AppSysID>      ← For all 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 also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all 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
      Yp2D1oUCP58f4Av0t9yyBRhSK.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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:IRSData>
    </ns10:IRSDataList>
  </ns10:GetSubmissionsByMsgIDResponse>
</e:Body>

```

```

        <ns10:ElectronicPostmark>2006-01-31T18:34:50.113Z</ns10:ElectronicPostmark>
        <ns10:SourceIRSSubmissionId>00234520060320000057</ns10:SourceIRSSubmissionId>
        <ns10:ITINMismatchCd>Not Found</ns10:ITINMismatchCd>
        <ns10:ImperfectReturnIndicator>true</ns10:ImperfectReturnIndicator>
<!-- Note: The above 3 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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID>      ← For all 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/ZDcfUUhiU1p9ZiUB8dGOuW8xR/NupMTV9kycUrOExNRo3QqWXY3P9Vgyg/dHMOV2DJHYp2D1oUCP58f4Av0t9yyBRhSKFb.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username> ← Here also
    </wsse:UsernameToken>
  </wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetSubmissionsRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <SubmissionIdList>
      <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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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:MeF>
  </e:Header>

```

```

<ns0:ETIN>00123</ns0:ETIN>
<ns0:SessionIndicator>Y</ns0:SessionIndicator>
<ns0:TestIndicator>P</ns0:TestIndicator>
<ns0:AppSysID>username</ns0:AppSysID>    ← For all 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:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
</wsse:Security>

```

```

        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username> ← Here also
    </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>00234520060320000057</ns10:SourceIRSSubmissionId>
        <ns10:ITINMismatchCd>Not Found</ns10:ITINMismatchCd>
        <ns10:ImperfectReturnIndicator>true</ns10:ImperfectReturnIndicator>
      <!-- Note: The above 3 elements are optional and may or may not be present in the actual response -->
    </ns10:IRSData>
  </ns10:IRSDataList>
  <ns10:ErrorList>
    <ns10:Count>1</ns10:Count>
    <ns10:SubmissionError>
      <ns10:SubmissionId>00123420060380000097</SubmissionId>
      <ns10:Error>
        <ns10:ErrorMessage>Backend system error</ns10:ErrorMessage>
        <ns10:ErrorClassification>SYSTEM_ERROR</ns10:ErrorClassification>
        <ns10:ErrorCode>SYSTM1007500002</ns10:ErrorCode>
      </ns10:Error>
    </ns10:SubmissionError>
  <!-- Note: The SubmissionError 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" Id="hdr">
      <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:MeF>
  </SOAP-ENV:Header>

```

```

<ns1:SessionIndicator>Y</ns1:SessionIndicator>
<ns1:TestIndicator>P</ns1:TestIndicator>
<ns1:AppSysID>username</ns1:AppSysID>      ← For all 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/NupMTV9kycUrOEENRo3QqWXy3P9Vgyg/dHMOV2DJH
          Yp2D1oUCP58f4Av0t9yyBRhSKFbZb.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:Subject>
    </saml:AttributeStatement>
  </saml:Assertion>
</wsse:Security>

```

```

        </saml:AttributeStatement>
    </saml:Assertion>
    <wsse:UsernameToken>
        <wsse:Username>username</wsse:Username> ← Here also
    </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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all 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
      Yp2D1oUCP58f4Av0t9yyBRhSKFb86m8tyC0qH/nfCvsiuUFcSrXfv3x9Z.....
    ...</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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>00234520060320000057</ns10:SourceIRSSubmissionId>
      <ns10:ITINMismatchCd>Not Found</ns10:ITINMismatchCd>
      <ns10:ImperfectReturnIndicator>true</ns10:ImperfectReturnIndicator>
    <!-- Note: The above 3 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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID> ← For all 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
        Yp2D1oUCP58f4Av0t9yyBRhSKFbx9Zb6sqe.....</saml:AttributeValue>
    </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
            <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>
            <ns0:AppSysID>username</ns0:AppSysID> ← For all 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/NupMTV9kycUrOExNRo3QqWXy3P9Vgyg/dHMOV2DJH
        Yp2D1oUCP58f4Av0t9yyBRhSKFb8Zb6s.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID> ← For all 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/NupMTV9kycUrOExN.....</saml:AttributeValue>
    </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
            <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>
            <ns0:AppSysID>username</ns0:AppSysID> ← For all 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 also
  </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>

```

</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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID>      ← For all 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 also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
            <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>
            <ns0:AppSysID>username</ns0:AppSysID> ← For all 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:Timestamp>
        </wsse:Security>
    </e:Header>
    <e:Body>
        <ns0:MeFResponse xmlns:ns0="http://www.irs.gov/a2a/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>
            <ns0:AppSysID>username</ns0:AppSysID>
        </ns0:MeFResponse>
    </e:Body>
</e:Envelope>

```

```

    <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 also
  </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" Id="hdr">
      <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>
      <ns1:AppSysID>username</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">
      <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>

```

← For all users

```

<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:Attribute Value="JvqVP0Z5XZWff/1HE8XiMKfu87fxBRJDf0ILCfYpKnV17lF17EdnDHTy0Cjfoj0Wt9Ck9GIHsr/CqENV4C+jhGOBp4mOj+5BO426FikdtRhVRM46PkftMpbyn d9m2OtILfQckddHB/f9sNNW38qryb9YqB0N....."></saml:Attribute Value>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetAckNotificationsRequestArgs xmlns="http://www.irs.gov/a2a/mef/MeFStateService.xsd">
    <SubmissionIdList>
      <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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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:TestIndicator>P</ns0:TestIndicator>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all users
    </ns0:MeF>
  </e:Header>

```

```

</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/1HE8XiMKfu87fxBRJDf0ILCfYpKnV17lFl7EdnDHTy0Cjfo
          j0Wt9Ck9GIHsr/CqENV4C+jhGOBp4mOj+ .....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </wsse:UsernameToken>
</wsse:Security>

```

```

    </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" Id="hdr">
      <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>
      <ns1:AppSysID>username</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">
      <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>

```

← For all users

```

<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/1HE8XiMKfu87fxBRJDf0ILCfYpKnV17lFl7EdnDHTy0Cjfo
        j0Wt9Ck9GIHsr/CqENV4C+jhGOBp4mOj+5BO426FikdtRhVRM46PkftMpbyn
        d9m2OtILfQckddHB/f9sNNW38qryb9YKNk8.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all 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/f9sNNW7we/V+i9KN.....</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID> ← For all 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>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <ns1:GetSubmissionReconciliationListRequest>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:AppSysID>username</ns1:AppSysID>
    </ns1:GetSubmissionReconciliationListRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

<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
        Yp2D1oUCP58f4Av0t9yyBRhSKF.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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>
  </GetSubmissionReconciliationListRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

    <StartDate>2006-02-02T09:30:47.0Z</StartDate>
    <EndDate>2006-02-17T09:30:47.0Z</EndDate>
    <SubmissionStatus>NOACK</SubmissionStatus>
<!-- Note: The last 4 elements are 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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID>      ← For all 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 also
    </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
- GetSubmissionsStatus
- GetSubmissionStatus
- GetNew2290Schedule1s
- Get2290Schedule1sByMsgID
- Get2290Schedule1s
- Get2290Schedule1

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

4.3.1 SendSubmissions 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" Id="hdr">
      <ns1:MessageID>00123200603900000020</ns1:MessageID>
      <ns1:Action>SendSubmissions</ns1:Action>
      <ns1:Timestamp>2006-01-16T06:25:16.479Z</ns1:Timestamp>
      <ns1:ETIN>00123</ns1:ETIN>
      <ns1:SessionIndicator>Y</ns1:SessionIndicator>
      <ns1:TestIndicator>P</ns1:TestIndicator>
      <ns1:AppSysID>username</ns1:AppSysID>      ← For all 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,
        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>
            nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBskIIqoaactecA+pD58tRE4
            CT3aWu6NW74OEdrwq/VkAM9f9YeTL9si.....</saml:AttributeValue>
        </saml:Attribute>
    </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
    <SendSubmissionsRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
        <SubmissionDataList>
            <SubmissionData>
                <SubmissionId>00123420060380000096</SubmissionId>
                <ElectronicPostmark>2006-01-31T13:34:50.113Z</ElectronicPostmark>
            <!-- Note: The above element is optional and may or may not be present in the actual response -->
            </SubmissionData>
            <SubmissionData>
                <SubmissionId>00123420060380000097</SubmissionId>
                <ElectronicPostmark>2006-01-31T13:34:50.113Z</ElectronicPostmark>
            <!-- Note: The above element is optional and may or may not be present in the actual response -->
            </SubmissionData>
        </SubmissionDataList>
    </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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID>      ← For all 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/VkAM9f9YeTL9si.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID> ← For all 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+fyzTlOwpv0Gwka
            wFltFbHnk9DWVzyBvsFXlbNihLtvnT1tKfc5.....</saml:AttributeValue>
        </saml:Attribute>
    </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID>      ← For all 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+fyzTlOwpv0Gwka
      u/9qIAQcvCp+KqCW5Z8N..... </saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID> ← For all 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>
    </wsse:Security>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <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>
      <ns1:AppSysID>username</ns1:AppSysID>
    </ns1:MeF>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

<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+fyzTlOwpv0Gwka
        wFIItFbHnk9DWVzyBvsFXlbNihLtnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetAcksByMsgIDRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.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/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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all 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+fyzTlOwpv0Gwka
        wFIItFbHnk9DWVzyBvsFXlbNihLtvnT1tKfc52EI.....</saml:AttributeValue>
      </saml:AttributeValue>
    </saml:Attribute>
  </saml:Assertion>
</wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID> ← For all 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>
  </wsse:Security>
</SOAP-ENV:Envelope>

```

```

</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+fyzTlOwpv0Gwka
        wFIItFbHnk9DWVzyBvsFXlbNihLtnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0P.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
</wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <GetAcksRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
    <SubmissionIdList>

```

```

        <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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID>      ← For all 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:AuthenticationStatement>
      </saml:Assertion>
    </wsse:Security>
  </e:Header>
  <ns0:Response>
    <ns0:Header>
      <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>
      <ns0:AppSysID>username</ns0:AppSysID>
    </ns0:Header>
    <ns0:Body>
      <ns0:AckResponse>
        <ns0:AckStatus>Success</ns0:AckStatus>
        <ns0:AckMessage>Acknowledgment received</ns0:AckMessage>
      </ns0:AckResponse>
    </ns0:Body>
  </ns0:Response>
</e: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,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
                wFItFbHnk9DWVzyBvsFXlbNihLtnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
                u/9qIAQcvCp+KqCW5Z8N0P+.....</saml:AttributeValue>
            </saml:Attribute>
        </saml:AttributeStatement>
    </saml:Assertion>
    <wsse:UsernameToken>
        <wsse:Username>username</wsse:Username> ← Here also
    </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/>
        <!-- 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" Id="hdr">
            <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:MeF>
    </SOAP-ENV:Header>

```

```

<ns1:TestIndicator>P</ns1:TestIndicator>
<ns1:AppSysID>username</ns1:AppSysID>      ← For all 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-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+fyzTlOwpv0Gwka
          wFIItFbHnk9DWVzyBvsFXlbNihLtnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
          u/9qIAQcvCp+KqCW5Z8N0P.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>

```

```

    </saml:Assertion>
    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username> ← Here also
    </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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all 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+fyzTlOwpv0Gwka
        wFltFbHnk9DWVzyBvsFXlbNihLtnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0P.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ⬅ Here also
  </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" Id="hdr">
      <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:MeF>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <ns10:GetNewSubmissionsStatus xmlns:ns10="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

<ns1:TestIndicator>P</ns1:TestIndicator>
<ns1:AppSysID>username</ns1:AppSysID>
</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-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
          setw4MI6cA31lszwqGxSNnwLgatKU.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>

```

← For all users

```

    </saml:Assertion>
    <wsse:UsernameToken>
      <wsse:Username>username</wsse:Username> ← Here also
    </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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all 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 also
</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" Id="hdr">
  <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>
  <ns1:AppSysID>username</ns1:AppSysID>      ← For all 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 also
</wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
    <GetSubmissionsStatusRequest xmlns="http://www.irs.gov/a2a/mef/MeFTransmitterService.xsd">
        <SubmissionIdList>
            <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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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:ETIN>00123</ns0:ETIN>
      <ns0:SessionIndicator>Y</ns0:SessionIndicator>
      <ns0:TestIndicator>P</ns0:TestIndicator>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all 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>
      nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBsklIqoaactecA+pD58tRE4
      CT3aWu6NW74OEdrwq/VkAM9f9YeTL9siBfdZiM8hPOr+qastRGNWOhmHB
      setw4MI6cA31lszwqGxSNnwLgatKUdZ1.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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/>
    <!-- Note: The above element is optional and may or may not be present in the actual response -->
    </ns10:ErrorList>
  </ns10:GetSubmissionsStatusResponse>

```

```

    </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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID>      ← For all 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 also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all 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>
        nGxSaaEpb9fpL7WUICbnHR73LXMwggfrTdQbAiBsklIqoaactecA+pD58tRE4
        CT3aWu6NW74OEdrwq/VkAM9f9YeTL9siBfdZiM8hPOr+qastRGNWOhmHB
        setw4MI6cA31lszwqGxSNnwLgatK.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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" Id="hdr">
      <ns1:MessageID>00123200703900000031</ns1:MessageID>
      <ns1:Action>GetNew2290Schedule1</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>
      <ns1:AppSysID>username</ns1:AppSysID>      ← For all 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+fyzTlOwpv0Gwka
        wFltFbHnk9DWVzyBvsFXlbNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8NhryS0GS2YAckFy.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
</wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID> ← For all users
    </ns0:MeF>
  </e:Header>

```

```

</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-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+fyzTlOwpv0Gwka
          u/9qIAQcvCp+KqCW5Z8N..... </saml:AttributeValue>
        </saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </wsse:UsernameToken>

```

```

        </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" Id="hdr">
      <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>
      <ns1:AppSysID>username</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">
      <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

```

← For all users

```

        </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
        wFItFbHnk9DWVzyBvsFXlbNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </wsse:UsernameToken>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
  <Get2290Schedule1sByMsgIDRequest
    xmlns="http://www.irs.gov/a2a/mef/ETECTransmitterService.xsd">
    <MessageID>001232007039000000031</MessageID>
  </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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <ns0:MessageID>001232007039000000032R</ns0:MessageID>
      <ns0:RelatesTo>001232007039000000032</ns0:RelatesTo>
      <ns0:Action>Get2290Schedule1sByMsgID</ns0:Action>
      <ns0:Timestamp>2007-02-08T22:54:26Z</ns0:Timestamp>
    </ns0:MeF>
  </e:Header>

```

```

<ns0:ETIN>00123</ns0:ETIN>
<ns0:SessionIndicator>Y</ns0:SessionIndicator>
<ns0:TestIndicator>P</ns0:TestIndicator>
<ns0:AppSysID>username</ns0:AppSysID>    ← For all 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
          wFIItFbHnk9DWVzyBvsFXlbNihLtvnT1tKfc52EI.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:Subject>
    </saml:AttributeStatement>
  </saml:Assertion>
</wsse:Security>

```

```

        </saml:AttributeStatement>
    </saml:Assertion>
    <wsse:UsernameToken>
        <wsse:Username>username</wsse:Username> ← Here also
    </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" Id="hdr">
            <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>
            <ns1:AppSysID>username</ns1:AppSysID> ← For all 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+fyzTlOwpv0Gwka
        wFltFbHnk9DWVzyBvsFXlbNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0P.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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/a2a/mef/MeFHeader.xsd" Id="hdr">
    <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>
    <ns0:AppSysID>username</ns0:AppSysID>      ← For all 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:AttributeStatement>
    </wsse:Security>
  </e:Header>

```

```

    <saml:Attribute AttributeNamespace="http://www.forumsys.com/sentry"
      AttributeName="SMSESSION">
      <saml:AttributeValue>
        Tox3pS9+H0J4Pfp2jxnudpLE1mQ/nRkfgyNrFla4FVHIIcf6f+fyzTlOwpv0Gwka
        wFltFbHnk9DWVzyBvsFXlbNihLtvnT1tKfc52EILD6FQrpLCISV74rrvBoe10x
        u/9qIAQcvCp+KqCW5Z8N0P+.....</saml:AttributeValue>
      </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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>SYSTM1007500002</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" Id="hdr">
      <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>
      <ns1:AppSysID>username</ns1:AppSysID> ← For all 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+fyzTlOwpv0Gwka
          wFIItFbHnk9DWVzyBvsFXlbNihLtvnT.....</saml:AttributeValue>
        </saml:Attribute>
      </saml:AttributeStatement>
    </saml:Assertion>
  <wsse:UsernameToken>
    <wsse:Username>username</wsse:Username> ← Here also
  </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/a2a/mef/MeFHeader.xsd" Id="hdr">
      <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>
      <ns0:AppSysID>username</ns0:AppSysID>
    </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:Assertion>
    </wsse:Security>
  </e:Header>
  <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>
  <ns0:AppSysID>username</ns0:AppSysID>
</e:Envelope>

```

← For all users

```

</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
      wFIItFbHnk9DWVzyBvsFXlbNihLtvnT.....</saml:AttributeValue>
    </saml:Attribute>
  </saml:AttributeStatement>
</saml:Assertion>
<wsse:UsernameToken>
  <wsse:Username>username</wsse:Username> ← Here also
</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 5-1, XML Gateway Threats and Fault Responses.

Table 5-1. XML Gateway Threats and Fault Responses

Threat	Fault Response Message(s) and Log Error Message(s)
Virus Threats	
Incoming Message With a Virus (XML Gateway)	IDP Rule 'Virus detected on request' ' aborted processing
Outgoing Message With a Virus (XML Gateway)	IDP Rule 'Virus detected on request' ' aborted processing
Incoming Message With an HTTP, XML or SOAP Threats	
With XML parameter tampering	IDP Rule 'Invalid WSDL Message' aborted processing: nnn
With coercive parsing	• 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	• 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
With SQL injection	IDP Rule 'Process Error' aborted processing : nnn
With malicious content	IDP Rule 'Request document does not match any XML Filter' aborted processing: nnn
With replay attacks	• 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
With text based attacks (not required for MeF)	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
With WSDL security validation failures	IDP Rule 'Invalid WSDL Message' aborted processing: nnn
Incoming Message With Authentication/AuthorizationThreats	
Authentication Errors	Authentication for user <username> failed because 'Invalid credentials'
Authorization Errors	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.
          </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 5-2, Service Request Argument Errors and Fault Responses.

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

Request	Fault Response Message(s) and Log Error Message(s)
MSI Services	
EtinRetrieval	Couldn't map a value '<value>' to a java field in a class Log - The value for the test indicator must be a 'T' or 'P' as defined in the schema
EtinStatus	Invalid ETIN <value>
GetStateParticipation (IFA) (MeF System Exception)	Failed to access technical component
GetStateParticipation (IFA) (No participation data found)	Failed to get state participation for message id <msgId>. 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>
GetNewSubmissions (The SubmissionCategory is not one of the registered Submission Categories for the given ETIN)	Failed to get new submissions for message id <msgId>. Reason: ETIN <value> is not registered with submission category <categoryValue>.
GetNewSubmissions (Duplicate message Id)	Failed to get new submissions for message id <msgId>. Duplicate message ID error - another message with same ID already exists.
GetNewSubmissions (Prebuilt file not found)	Failed to get new submissions for message id <msgId>. Reason: The state prebuilt zip file mismatch condition. File name not null but zip does not exist. Filename: <filename>
GetSubmissions (Invalid Submission ID)	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 <msgId>. Reason: The request count exceeds the maximum configuration count allowed for messageid <msgId>
GetSubmissions (Duplicate message Id)	Failed to get submissions for message id <msgId>. Duplicate message ID error - another message with same ID already exists.
GetSubmission (Invalid Submission ID)	Failed to get submission for message id <msgId>. Reason: Could not find any valid submission with ID: <value> for ETIN <value>.
GetSubmission (No submission found)	Failed to get submission for message id <msgId>.
GetSubmission (Duplicate message Id)	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
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.
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.
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.

Request	Fault Response Message(s) and Log Error Message(s)
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>.
SendSubmissionReceipts (The count exceeds max 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.
SendSubmissionReceipts (Invalid timestamp)	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>.
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>
SendSubmissionReceipts (Duplicate message Id)	Failed to send submission receipts for message id <msgId>. Duplicate message ID error - another message with same ID already exists.
SendSubmissionReceipts (MeF System Exception)	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
SendAcks (Invalid submission receipt XML)	Failed to send acknowledgements for message id <msgId>. Reason: Invalid input submission ack list document; XML schema validation failed.
SendAcks (Missing Acknowledgement list element)	Failed to send acknowledgements for message id <msgId>. 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 <msgId>. 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 <msgId>. 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 <msgId>. Reason: Acknowledgement count exceeds the maximum allowed.
SendAcks (Missing submission ID)	Failed to send acknowledgements for message id <msgId>. 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 <msgId>. 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 <msgId>. Reason: Duplicate state acknowledgement. State has previously sent in acknowledgement for submission ID <value>
SendAcks (MeF System Exception)	Failed to access third-party component.
SendAcks (Duplicate message Id)	Failed to send acknowledgements for message id <msgId>. Duplicate message ID error - another message with same ID already exists.

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

Request	Fault Response Message(s) and Log Error Message(s)
SendSubmissions (Invalid ElectronicPostmark)	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 <msgId>. Reason: The request count exceeds the maximum configuration count allowed for messageId <msgId>.
SendSubmissions (Zip File Path is null)	Failed to send submissions for message id <msgId>. Reason: Message <msgId> contains null attachment file path.
SendSubmissions (Cannot find submission by Id)	Failed to send submissions for message id <msgId>. Reason: Error can not find submission object with id <value>.
SendSubmissions (Cannot find build mode)	Failed to send submissions for message id <msgId>. 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 <msgId>. Reason: – Attempt to process message <msgId> that has been processed already.
SendSubmissions (MeF System Exception)	Unable to process attachment zip file: <zipFilePath>, <exceptionMessage>.
SendSubmissions (Duplicate message Id)	Failed to send submissions for message id <msgId> 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 messageId <value>.
GetNewAcks (Invalid ETIN)	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.
GetNewAcks (Duplicate message Id)	Failed to get new acknowledgements for message id <msgId>. Duplicate message ID error - another message with same ID already exists.
GetAcks (Invalid maximum request count)	Failed to get acknowledgements for message id <msgId>. Reason: The request count exceeds the maximum configuration count allowed for messageId <msgId>.
GetAcks (Duplicate message Id)	Failed to get acknowledgement for message id <msgId>. Duplicate message ID error - another message with same ID already exists.
GetAck (No Acknowledgement found)	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>.
GetNewSubmissionsStatus (Invalid ETIN)	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.
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>.
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.
GetSubmissionStatus (No submission status found)	Failed to get submission status for message id <msgId>.
GetSubmissionStatus (Duplicate message Id)	Failed to get submission status for message id <msgId>. for message id <msgId> 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 <msgId>. Reason: The message ID: <msgId> is not valid.

Request	Fault Response Message(s) and Log Error Message(s)
GetAcksByMsgID (Mismatch ETIN)	Failed to get acknowledgements by message id for message id <msgId>. Reason: The message ID <msgId> does not belong to the transmitter <anETIN>.
GetAcksByMsgID (The message ID not existing)	Failed to get acknowledgements by message id for message id <msgId>. Reason: The message ID: <msgId> could not be found.
GetAcksByMsgID (The message has an error response)	Failed to get acknowledgements by message id for message id <msgId>. Reason: Cannot retrieve acks associated with message <msgId> 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 <msgId>. Reason: Cannot retrieve acks associated with message <msgId> because that message was not a GetNewAcks request.
GetAcksByMsgID (Duplicate message Id)	Failed to get acknowledgements by message id for message id <msgId>. 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 <msgId>. Reason: The request count exceeds the maximum configuration count allowed for msgId <msgId>.
GetNew2290Schedule1s (MeF System Exception)	Unable to use addZipArchiveEntries to compose the output attachment file for message <msgId>.
Get2290Schedule1s (Invalid maximum request count)	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>.
Get2290Schedule1sByMsgID (MeF System Exception)	Unable to use addZipArchiveEntries to compose the output attachment file for message <msgId>.
Get2290Schedule1sByMsgID (Invalid Message Id)	Message ID: <msgId> is not valid.
Get2290Schedule1sByMsgID (Mismatch ETIN)	Message ID <msgId> does not belong to the transmitter <etin>.
Get2290Schedule1sByMsgID (Message Id does not exist)	Message ID: <msgId> could not be found.
Get2290Schedule1sByMsgID (The message has 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.

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 5-3, Service Request Argument Errors and Fault Responses for Account Maintenance Services. 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' The Timestamp in the Request message Header is not within the allowable range of current time.	Authentication for user <username> failed because 'Invalid credentials'. The Incoming Request Timestamp is outside the range allowed by Request_Msg_Timestamp_Interval.
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 5-4, Service Request Processing Errors and Fault Responses, illustrates the fault responses and log messages for the service request processing errors. Table 5-5, Error Codes, Log Messages, Fault Responses, and Fault Types, 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 “00000ccyydddxxxxxxxxE” 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 wsdl's 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

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
SYSTMIO03000001	File not found from backend	File not found from backend	SYSTEM_ERROR
REQSTIO03000002	Unsupported file format	File not supported	REQUEST_ERROR
REQSTIO07000001	Virus(es) found in file sent from client	Virus found in file, cannot process request	SECURITY_ERROR
SYSTMIO03000002	System FileIO Error	Encountered problem processing file	SYSTEM_ERROR
SYSTMIO05500001	File transfer error	File transfer error	SYSTEM_ERROR
REQSTIO04000001	ETIN not found in SOAP header	Required ETIN value not found in SOAP header	REQUEST_ERROR
REQSTIO04000002	Test Indicator not found in SOAP header	Required Test Indicator value not found in SOAP header	REQUEST_ERROR
REQSTIO04000003	Session Indicator not found in SOAP header	Required Session Indicator value not found in SOAP header	REQUEST_ERROR
REQSTIO04000004	SOAP Header 'Action' element does not match Service URI	Invalid Action element value	REQUEST_ERROR
REQSTIO04000005	SOAP Header 'Action' element is missing	Action element not found	REQUEST_ERROR
REQSTIO04000006	ETIN found in SOAP header could not be validated against customer ID	Invalid ETIN for this login name	REQUEST_ERROR
SYSTMIO04000001	Backend threw SOAP Transfer Exception	Backend SOAP error	SYSTEM_ERROR
SYSTMIO04000002	DataHolder problem; need to resolve within the code on service side	Error storing SOAP information	SYSTEM_ERROR
SYSTMIO04000003	System SOAP exception. See log file for details	SOAP Exception	SYSTEM_ERROR
SYSTMIO07500001	Expected response from backend not found or unavailable	Backend error	SYSTEM_ERROR
SYSTMIO07500002	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
SYSTMIO07500003	User not found in backend repository.	System could not find user	SYSTEM_ERROR
SYSTMIO07500004	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

Error Code	Log Error Message	Fault Response	Error Type
SYSTMIO02000001	Error with database for user session. See exception message.	Session database error	SYSTEM_ERROR
REQSTIO04000007	Username not found in the SOAP header	Invalid or unknown username	REQUEST_ERROR
LOGINIXG00000001	XML Gateway Login error. Invalid ID	Login error. Invalid ID	REQUEST_ERROR
LOGINIXG00000002	XML Gateway Login error. Invalid password	Login error. Invalid password.	REQUEST_ERROR
LOGINIXG00000003	XML Gateway. Login error. Too many invalid logins.	Login error. Too many invalid logins	REQUEST_ERROR
LOGINIXG00000004	XML Gateway. Login error. Account lockout	Login error. Account lockout	REQUEST_ERROR
LOGINIXG00000005	XML Gateway. Change password error	Password change failure	REQUEST_ERROR
LOGINIXG00000006	XML Gateway. Missing Password error	Missing password. Please try again with the correct password	REQUEST_ERROR
REQSTIO04000008	The Message ID in SOAP Header was not long enough per requirements	Incorrect length for Message ID	REQUEST_ERROR
REQSTIO04000009	The Message ID in SOAP Header contained an unexpected indicator	Message ID indicator should not be applied	REQUEST_ERROR
REQSTIO04000010	The Message ID in SOAP Header contained an indicator other than 'R' or 'E'	Message ID indicator is not valid	REQUEST_ERROR
REQSTIO04000011	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
REQSTIO04000012	The date in the Message ID in SOAP Header could not be associated to a real date	Invalid date in Message ID	REQUEST_ERROR
REQSTIO04000013	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
REQSTIO04000014	The Message ID in SOAP Header contains non-alphanumeric (numbers and letters) characters	Found non-alphanumeric characters in Message ID	REQUEST_ERROR
REQSTIO04000015	Could not find Message ID in the SOAP Header	Message ID not found	REQUEST_ERROR
REQSTIO04000016	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
REQSTIO03000003	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
SYSTMIO06500001	Unknown System Exception. See log file or stack trace for details	Internal system error	SYSTEM_ERROR

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
REQSTI006500001	The Incoming Request Timestamp is outside the range allowed by Request_Msg_Timestamp_Interval.	The Timestamp in the Request message Header is not within the allowable range of current time.	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

Glossary

Transport

<u>HTTP</u>	(Hypertext Transfer Protocol) An application-level protocol for distributed communication between Internet systems
<u>HTTPS</u>	(Secure HTTP) A protocol that offers the secure delivery of HTTP packets between the server and client using SSL.
<u>SSL</u>	(Secure Sockets Layer) A secure session protocol that guarantees message privacy and message integrity.
<u>MIME</u>	(Multimedia Internet Message Extensions) A message format used to encapsulate binary payloads into SOAP messages.
<u>DIME</u>	(Direct Internet Message Encapsulation) A lightweight, binary message format designed to encapsulate one or more application-defined payloads into a single message construct.
<u>MTOM</u>	(Message Transmission Optimization Mechanism) A lightweight, binary message format where attachments are streamed as binary data within a MIME message.

Packaging and Extensions

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

Description

<u>WSDL</u>	(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;
<u>XML</u>	(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
CLIN	Contract Line Item Number
DIME	Direct Internet Message Encapsulation
DSA	Digital Signal Algorithm
EFIN	Electronic Filer Identification Number
EIN	Employer Identification Number
EO	Exempt Organization
ETEC	Excise Tax e-File and Compliance
HTTP	HyperText Transfer Protocol
HTTPS	HTTP Secure
ICD	Interface Control Document
ID	identification
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
MTOM	Message Transmission Optimization Mechanism
R	Release
RSA	Rivest, Sharmir and Adelman [algorithm]
RUP	Registered User Portal
SAML	Security Assertion Markup Language
SOAP	Simple Object Access Protocol (SOAP)
SSL	Secure Sockets Layer
SSN	Social Security Number
TO	Task Order

WS	Web Server
WSDL	Web Services Description Language
XML	eXtensible Markup Language