

# [MS-OXWUMS]: Voice Mail Settings Web Service Protocol Specification

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## Revision Summary

Date	Revision History	Revision Class	Comments
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06/27/2008	1.0	Major	Initial Release.
08/06/2008	1.0.1	Editorial	Revised and edited technical content.
09/03/2008	1.0.2	Editorial	Updated references.
12/03/2008	1.0.3	Editorial	Revised and edited technical content.
03/04/2009	1.0.4	Editorial	Revised and edited technical content.
04/10/2009	2.0	Major	Updated technical content and applicable product releases.
07/15/2009	3.0	Major	Revised and edited for technical content.
11/04/2009	3.1.0	Minor	Updated the technical content.
02/10/2010	4.0.0	Major	Updated and revised the technical content.

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# 1 Introduction

The Voice Mail Settings Web service provides an extensibility point that enables clients to read and change information about Unified Messaging properties, and play voice mails or record greetings over the telephone.

## 1.1 Glossary

The following terms are defined in [\[MS-OXGLOS\]](#):

- Entry ID**
- Out of Office (OOF)**
- SOAP body**
- SOAP fault**
- SOAP header**
- SOAP message**
- Unified Messaging**
- Uniform Resource Locator (URL)**
- Web Services Description Language (WSDL)**
- WSDL message**
- WSDL port type**
- XML**
- XML namespace**
- XML schema**

The following terms are specific to this document:

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 1.2 References

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[MS-OXGLOS] Microsoft Corporation, "[Exchange Server Protocols Master Glossary](#)", June 2008.

[MS-OXOUM] Microsoft Corporation, "[Voice Mail and Fax Objects Protocol Specification](#)", June 2008.

[RFC2045] Freed, N., et al., "Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies", RFC 2045, November 1996, <http://www.ietf.org/rfc/rfc2045.txt>.

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.ietf.org/rfc/rfc2119.txt>.

[RFC2396] Berners-Lee, T., Fielding, R., and Masinter, L., "Uniform Resource Identifiers (URI): Generic Syntax", RFC 2396, August 1998, <http://www.ietf.org/rfc/rfc2396.txt>.

[RFC2616] Fielding, R., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>.

[RFC2818] Rescorla, E., "HTTP over TLS", RFC 2818, May 2000, <http://www.ietf.org/rfc/rfc2818.txt>.

[RFC3066] Alvestrand, H., "Tags for the Identification of Languages", RFC 3066, January 2001, <http://www.ietf.org/rfc/rfc3066.txt>.

[SOAP1.1] Box, D., et al., "Simple Object Access Protocol (SOAP) 1.1", May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>.

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, <http://www.w3.org/TR/2001/NOTE-wsdl-20010315>.

[XML10] World Wide Web Consortium, "Extensible Markup Language (XML) 1.0 (Third Edition)", February 2004, <http://www.w3.org/TR/2004/REC-xml-20040204/>.

[XMLINFOSET] World Wide Web Consortium, "XML Information Set (Second Edition)", February 2004, <http://www.w3.org/TR/2004/REC-xml-infoset-20040204>.

[XMLNS] World Wide Web Consortium, "Namespaces in XML 1.0 (Second Edition)", August 2006, <http://www.w3.org/TR/REC-xml-names/>.

[XMLSCHEMA1] Thompson, H.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>.

[XMLSCHEMA2] Biron, P.V., Ed., and Malhotra, A., Ed., "XML Schema Part 2: Datatypes", W3C Recommendation, May 2001, <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>.

## 1.2.2 Informative References

[MSDN-UMWSR] Microsoft Corporation, "Unified Messaging Web Service Reference", <http://go.microsoft.com/fwlink/?LinkId=112217>.

## 1.3 Protocol Overview

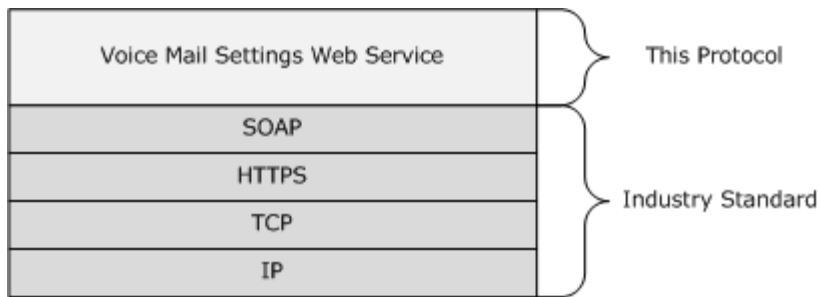
The Voice Mail Settings Web Service protocol provides an extensibility point that enables clients to read and change information about **Unified Messaging** properties or play voice mail and mailbox items over the telephone.

This specification describes the requests and responses for the Voice Mail Settings Web Service protocol operations.

## 1.4 Relationship to Other Protocols

The Voice Mail Settings Web service uses SOAP [\[SOAP1.1\]](#) over **HTTPS** [\[RFC2818\]](#), as shown in Figure 1.





**Figure 1: Layering diagram**

## 1.5 Prerequisites/Preconditions

The URL of the Voice Mail Settings Web Service protocol can be retrieved by using the Autodiscover Publishing and Lookup SOAP-Based Web Service protocol [\[MS-OXWSADISC\]](#).

## 1.6 Applicability Statement

None.

## 1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported transports:** This protocol uses SOAP 1.1.
- **Protocol versions:** This protocol has only one **WSDL port type** version.
- **Security and Authentication methods:** The Voice Mail Settings Web service relies on the Web server that hosts the application to perform authentication.
- **Localization:** This protocol includes text strings in various languages for **SOAP fault** responses. The SOAP fault **detail** element (see section [2.2.4](#)) contains a culture-independent error string that allows the client to localize error messages in a different language.
- **Capability Negotiation:** This protocol does not support capability negotiation.

## 1.8 Vendor-Extensible Fields

None.

## 1.9 Standards Assignments

None.

## 2 Messages

### 2.1 Transport

Messages are transported by using SOAP version 1.1. For more details, see [\[SOAP1.1\]](#).

Security model: The Voice Mail Settings Web service relies on the Web server that hosts the application to perform authentication. The protocol SHOULD use secure communication via HTTPS, as defined in [\[RFC2818\]](#).

### 2.2 Common Message Syntax

This section contains common definitions used by this protocol. The syntax of the definitions uses **XML schema**, as defined in [\[XMLSCHEMA1\]](#) and [\[XMLSCHEMA2\]](#), and **Web Services Description Language** as defined in [\[WSDL\]](#).

#### 2.2.1 Namespaces

This specification defines and references various **XML namespaces** using the mechanisms specified in [\[XMLNS\]](#). Although this specification associates a specific XML namespace prefix for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and not significant for interoperability.

Prefix	Namespace URI	Reference
targetNamespace	<a href="http://schemas.microsoft.com/exchange/services/2006/messages">HTTP://schemas.microsoft.com/exchange/services/2006/messages</a>	[MS-OXWUMS]
tns	<a href="http://schemas.microsoft.com/exchange/services/2006/messages">HTTP://schemas.microsoft.com/exchange/services/2006/messages</a>	[MS-OXWUMS]
s	<a href="http://www.w3.org/2001/XMLSchema">HTTP://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a>
soap	<a href="http://schemas.xmlsoap.org/WSDL/soap/">HTTP://schemas.xmlsoap.org/WSDL/soap/</a>	<a href="#">[WSDL]</a>
WSDL	<a href="http://schemas.xmlsoap.org/WSDL/">HTTP://schemas.xmlsoap.org/WSDL/</a>	<a href="#">[WSDL]</a>
xs	<a href="http://www.w3.org/2001/XMLSchema">HTTP://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a>
t	<a href="http://schemas.microsoft.com/exchange/services/2006/types">HTTP://schemas.microsoft.com/exchange/services/2006/types</a>	[MS-OXWUMS]
m	<a href="http://schemas.microsoft.com/exchange/services/2006/messages">HTTP://schemas.microsoft.com/exchange/services/2006/messages</a>	[MS-OXWUMS]

#### 2.2.2 Simple Types

This specification does not define any common XML schema simple types.

#### 2.2.3 Complex Types

The following table summarizes the set of common XML schema complex type definitions that are defined by this specification. XML schema complex type definitions that are specific to a particular operation are described with the operation.

Complex Type	Description
<a href="#">t:PhoneCallIdType</a>	Specifies the telephone call identifier.

### 2.2.3.1 t:PhoneCallIdType

The **PhoneCallIdType** type specifies the phone call identifier.

```
<xs:complexType name="PhoneCallIdType">  
<xs:attribute name="Id" type="xs:string" use="required"/>  
</xs:complexType>
```

### 2.2.4 Elements

This specification does not define any common XML schema element definitions.

### 2.2.5 Attributes

This specification does not define any common XML schema attribute definitions.

### 2.2.6 Groups

This specification does not define any common XML schema group definitions.

### 2.2.7 Attribute Groups

This specification does not define any common XML schema attribute group definitions.

### 2.2.8 Messages

This specification does not define any common XML schema messages.

## 3 Protocol Details

The client side of this protocol is simply a pass-through. No additional timers or other state is required on the client side of this protocol. Calls made by the higher-layer protocol or application are passed directly to the transport, and the results returned by the transport are passed directly back to the higher-layer protocol or application.

### 3.1 UMWebServiceSoap Server Details

#### 3.1.1 Abstract Data Model

The Voice Mail Settings Web service is a stateless protocol.

#### 3.1.2 Timers

None.

#### 3.1.3 Initialization

None.

#### 3.1.4 Message Processing Events and Sequencing Rules

This protocol uses the operations that are listed in the following table.

Operation	Description
<b>Disconnect</b> (section <a href="#">3.1.4.1</a> )	Disconnects a call. The <b>Disconnect</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>DisconnectPhoneCall</b> (section <a href="#">3.1.4.2</a> )	Disconnects a call. The <b>DisconnectPhoneCall</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.14.
<b>GetCallInfo</b> (section <a href="#">3.1.4.3</a> )	Returns information about a call. The <b>GetCallInfo</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>GetPhoneCallInformation</b> (section <a href="#">3.1.4.4</a> )	Returns information about a call. The <b>GetPhoneCallInformation</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.14.
<b>GetUMProperties</b> (section <a href="#">3.1.4.5</a> )	Returns a list of Unified Messaging properties. The <b>GetUMProperties</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>IsUMEnabled</b> (section <a href="#">3.1.4.6</a> )	Returns a value that indicates whether the user who is making the request is enabled for Unified Messaging. The <b>IsUMEnabled</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>PlayOnPhone2</b> (section <a href="#">3.1.4.7</a> )	Requests that an outbound call is performed and plays a voice message or mailbox item over the telephone. The <b>PlayOnPhone2</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 3.1.4.7.
<b>PlayOnPhone</b> (section <a href="#">3.1.4.8</a> )	Requests that an outbound call is performed and plays a voice message or mailbox item over the telephone. The

Operation	Description
	<b>PlayOnPhone</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 3.1.4.8.
<b>PlayOnPhoneGreeting</b> (section <a href="#">3.1.4.9</a> )	Makes an outbound call to play and record a greeting over the telephone. The <b>PlayOnPhoneGreeting</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>ResetPIN</b> (section <a href="#">3.1.4.10</a> )	Creates a new password for the user who is making the request. The <b>ResetPIN</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>SetMissedCallNotificationEnabled</b> (section <a href="#">3.1.4.11</a> )	Sets a value that indicates whether missed call notifications are enabled for the user who is making the request. The <b>SetMissedCallNotificationEnabled</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>SetOofStatus</b> (section <a href="#">3.1.4.12</a> )	Sets a value that indicates whether the <b>Out of Office (OOF)</b> greeting is enabled for the user who is making the request. The <b>SetOofStatus</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>SetPlayOnPhoneDialString</b> (section <a href="#">3.1.4.13</a> )	Sets the default telephone number that is used in <b>PlayOnPhone</b> and <b>PlayOnPhoneGreeting</b> operation requests. The <b>SetPlayOnPhoneDialString</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.
<b>SetTelephoneAccessFolderEmail</b> (section <a href="#">3.1.4.14</a> )	Sets the mailbox folder from which the Unified Messaging server will read back to the user over the telephone. The <b>SetTelephoneAccessFolderEmail</b> operation uses the endpoint specified in <a href="#">[MS-OXDISCLI]</a> section 2.2.3.2.5.30.

### 3.1.4.1 Disconnect Operation

The **Disconnect** operation is used to disconnect a call. If the operation succeeds, a <DisconnectResponse> element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="Disconnect">
  <wsdl:input message="tns:DisconnectSoapIn" />
  <wsdl:output message="tns:DisconnectSoapOut" />
</wsdl:operation>
```

#### 3.1.4.1.1 Elements

The following XML Schema element definitions are specific to this operation.

##### 3.1.4.1.1.1 Disconnect Element

Defines a request to disconnect a phone call.

```
<s:element name="Disconnect">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="CallId" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>
```

```

    </s:sequence>
  </s:complexType>
</s:element>

```

Element	Type	Definition
CallId	s:string	The identifier of the call to disconnect. This identifier is returned as part of the <b>PlayOnPhone</b> or <b>PlayOnPhoneGreeting</b> operations (sections <a href="#">3.1.4.8</a> and <a href="#">3.1.4.9</a> ). If this element is not specified, the implementation can return a SOAP fault response.

### 3.1.4.1.1.2 DisconnectResponse Element

Defines a response to a **Disconnect** request.

```

<s:element name="DisconnectResponse">
  <s:complexType />
</s:element>

```

### 3.1.4.1.2 Messages

The following **WSDL message** definitions are specific to this operation.

#### 3.1.4.1.2.1 DisconnectSoapIn Message

The **DisconnectSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:Disconnect	Contains the information that is required to disconnect a telephone call.

```

<wsdl:message name="DisconnectSoapIn">
  <wsdl:part name="parameters" element="tns:Disconnect" />
</wsdl:message>

```

#### 3.1.4.1.2.2 DisconnectSoapOut Message

The **DisconnectSoapOut** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:DisconnectResponse	Specifies a response to a <b>Disconnect</b> operation (section <a href="#">3.1.4.1</a> ) request.

```

<wsdl:message name="DisconnectSoapOut">
  <wsdl:part name="parameters" element="tns:DisconnectResponse" />
</wsdl:message>

```

### 3.1.4.2 DisconnectPhoneCall Operation

The **DisconnectPhoneCall** operation is used to disconnect a call. [<1>](#)

```
<wsdl:operation name="DisconnectPhoneCall">
  <wsdl:input message="tns:DisconnectPhoneCallSoapIn" />
  <wsdl:output message="tns:DisconnectPhoneCallSoapOut" />
</wsdl:operation>
```

#### 3.1.4.2.1 Complex Types

The following XML schema complex type definitions are specific to this operation.

##### 3.1.4.2.1.1 m:DisconnectPhoneCallResponseMessageType

The **DisconnectPhoneCallResponseMessageType** type specifies a response to disconnect a call. The **DisconnectPhoneCallResponseMessageType** type extends the **ResponseMessageType** type.

```
<xs:complexType name="DisconnectPhoneCallResponseMessageType">
  <xs:complexContent>
    <xs:extension base="m:ResponseMessageType" />
  </xs:complexContent>
</xs:complexType>
```

##### 3.1.4.2.1.2 m:DisconnectPhoneCallType

The **DisconnectPhoneCallType** type specifies a request to disconnect a call. The **DisconnectPhoneCallType** type extends the **BaseRequestType**.

```
<xs:complexType name="DisconnectPhoneCallType">
  <xs:complexContent>
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="PhoneCallId" type="t:PhoneCallIdType" minOccurs="1" maxOccurs="1" />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Element	Type	Definition
<b>PhoneCallId</b>	<b>t:PhoneCallIdType</b>	Specifies the identifier of the phone call to disconnect. This element MUST occur only once.

#### 3.1.4.2.2 Elements

The following XML schema element definitions are specific to this operation.

Element	Description
<a href="#">m:DisconnectPhoneCall</a>	Specifies a request to disconnect a call.

Element	Description
<a href="#">m:DisconnectPhoneCallResponse</a>	Specifies a response to a request to disconnect a call.

### 3.1.4.2.2.1 m:DisconnectPhoneCall

The **DisconnectPhoneCall** element specifies a request to disconnect a call.

```
<xs:element name="DisconnectPhoneCall" type="m:DisconnectPhoneCallType"/>
```

### 3.1.4.2.2.2 m:DisconnectPhoneCallResponse

The **DisconnectPhoneCallResponse** element specifies a response to disconnect a call.

```
<xs:element name="DisconnectPhoneCallResponse"
type="m:DisconnectPhoneCallResponseMessageType"/>
```

### 3.1.4.2.3 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.2.3.1 DisconnectPhoneCallSoapIn Message

The **DisconnectPhoneCallSoapIn** WSDL message specifies the **DisconnectPhoneCall** request.

Parts for the **DisconnectPhoneCallSoapIn** message are listed in the following table.

Part	Element/Type	Description
request	<b>tns:DisconnectPhoneCall</b>	Specifies the request.
Impersonation	<b>t:ExchangeImpersonation</b>	Specifies Exchange Impersonation information.
MailboxCulture	<b>t:MailboxCulture</b>	Specifies the culture to use for accessing the <b>mailbox</b> . The cultures are defined by <a href="#">RFC3066</a> .
RequestVersion	<b>t:RequestServerVersion</b>	Specifies the schema version for the <b>DisconnectPhoneCall</b> request.

```
<wsdl:message name="DisconnectPhoneCallSoapIn">
<wsdl:part name="request" element="tns:DisconnectPhoneCall"/>
<wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
<wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
<wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

#### 3.1.4.2.3.2 DisconnectPhoneCallSoapOut Message

The **DisconnectPhoneCallSoapOut** WSDL message specifies the **DisconnectPhoneCall** response.

Parts for the **DisconnectPhoneCallSoapOut** message are listed in the following table.



Part	Element/Type	Description
<b>DisconnectPhoneCallResult</b>	<b>tns:DisconnectPhoneCallResponse</b>	Specifies the response.
ServerVersion	<b>t:ServerVersionInfo</b>	Specifies the server version for the response.

```
<wsdl:message name="DisconnectPhoneCallSoapOut">
  <wsdl:part name="DisconnectPhoneCallResult" element="tns:DisconnectPhoneCallResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

### 3.1.4.3 GetCallInfo Operation

The **GetCallInfo** operation is used to return information about a call. If the operation succeeds, a `<GetCallInfoResponse>` element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="GetCallInfo">
  <wsdl:input message="tns:GetCallInfoSoapIn" />
  <wsdl:output message="tns:GetCallInfoSoapOut" />
</wsdl:operation>
```

#### 3.1.4.3.1 Simple Types

The following XML schema simple definitions are specific to this operation.

##### 3.1.4.3.1.1 UMCallState Simple Type

Indicates the current state of a phone call.

```
<s:simpleType name="UMCallState">
  <s:restriction base="s:string">
    <s:enumeration value="Idle" />
    <s:enumeration value="Connecting" />
    <s:enumeration value="Alerted" />
    <s:enumeration value="Connected" />
    <s:enumeration value="Disconnected" />
    <s:enumeration value="Incoming" />
    <s:enumeration value="Transferring" />
    <s:enumeration value="Forwarding" />
  </s:restriction>
</s:simpleType>
```

Value	Description
Idle	Initial call state.
Connecting	The system is dialing this call.
Alerted	The call is in alerting state (phone is ringing).
Connected	The call is in the connected state.
Disconnected	The call is disconnected.

Value	Description
Incoming	The call is inbound.
Transferring	The call is being transferred to another destination.
Forwarding	The call is being forwarded to another destination.

### 3.1.4.3.1.2 UMEventCause Simple Type

Indicates the disconnect reason of a phone call.

```
<s:simpleType name="UMEventCause">
  <s:restriction base="s:string">
    <s:enumeration value="None" />
    <s:enumeration value="UserBusy" />
    <s:enumeration value="NoAnswer" />
    <s:enumeration value="Unavailable" />
    <s:enumeration value="Other" />
  </s:restriction>
</s:simpleType>
```

Value	Description
None	Call state is not disconnected or disconnect reason is not known.
UserBusy	The called party line was busy.
NoAnswer	The called party did not answer.
Unavailable	The called party number was not available.
Other	Catch-all for other disconnect reasons.

### 3.1.4.3.2 Complex Types

The following XML schema complex type definitions are specific to this operation.

#### 3.1.4.3.2.1 UMCallInfo Complex Type

```
<s:complexType name="UMCallInfo">
  <s:sequence>
    <s:element minOccurs="1" maxOccurs="1" name="CallState" type="tns:UMCallState" />
    <s:element minOccurs="1" maxOccurs="1" name="EventCause" type="tns:UMEventCause" />
  </s:sequence>
</s:complexType>
```

Element	Type	Definition
CallState	tns:UMCallState	Contains a value that indicates the status of a call for which the <b>GetCallInfo</b> operation requested information. <b>MUST</b> be present.
EventCause	tns:UMEventCause	Contains a value that indicates the cause of an <b>event</b> for a call for which the <b>GetCallInfo</b> operation requested information.

Element	Type	Definition
		MUST be present.

### 3.1.4.3.3 Elements

The following XML schema element definitions are specific to this operation.

#### 3.1.4.3.3.1 GetCallInfo Element

Defines a request to get information about a call.

```
<s:element name="GetCallInfo">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="CallId" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>
```

Element	Type	Definition
CallId	s:string	The identifier of the call for which to request information. This identifier is returned as part of the <b>PlayOnPhone</b> or <b>PlayOnPhoneGreeting</b> operations (sections <a href="#">3.1.4.3.3.1</a> and <a href="#">3.1.4.5</a> ). If this element is not specified, the implementation can return a SOAP fault response.

#### 3.1.4.3.3.2 GetCallInfoResponse Element

Defines a response to a **GetCallInfo** request.

```
<s:element name="GetCallInfoResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="GetCallInfoResponse"
type="tns:UMCallInfo" />
    </s:sequence>
  </s:complexType>
</s:element>
```

Elements	Type	Definition
GetCallInfoResponse	tns:UMCallInfo	Contains information about a call. See the <b>UMCallInfo</b> complex type for more information (section <a href="#">3.1.4.1.2.1</a> ). If this element is not specified, the implementation can return a SOAP fault response.

### 3.1.4.3.4 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.3.4.1 GetCallInfoSoapIn Message

The **GetCallInfoSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:GetCallInfo	Contains the data that is required to get information about a telephone call.

```
<wsdl:message name="GetCallInfoSoapIn">
  <wsdl:part name="parameters" element="tns:GetCallInfo" />
</wsdl:message>
```

#### 3.1.4.3.4.2 GetCallInfoSoapOut Message

The **GetCallInfoSoapOut** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:GetCallInfoResponse	Specifies a response to a <b>GetCallInfo</b> operation (section <a href="#">3.1.4.3</a> ) request.

```
<wsdl:message name="GetCallInfoSoapOut">
  <wsdl:part name="parameters" element="tns:GetCallInfoResponse" />
</wsdl:message>
```

#### 3.1.4.4 GetPhoneCallInformation Operation

The **GetPhoneCallInformation** operation is used to get information about a telephone call. [<2>](#)

```
<wsdl:operation name="GetPhoneCallInformation">
  <wsdl:input message="tns:GetPhoneCallInformationSoapIn" />
  <wsdl:output message="tns:GetPhoneCallInformationSoapOut" />
</wsdl:operation>
```

#### 3.1.4.4.1 Simple Types

The following XML schema simple type definitions are specific to this operation.

##### 3.1.4.4.1.1 t:ConnectionFailureCauseType

The **ConnectionFailureCauseType** type specifies the disconnect reason of a telephone call.

```
<xs:simpleType name="ConnectionFailureCauseType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None"/>
    <xs:enumeration value="UserBusy"/>
    <xs:enumeration value="NoAnswer"/>
    <xs:enumeration value="Unavailable"/>
    <xs:enumeration value="Other"/>
  </xs:restriction>
</xs:simpleType>
```

</xs:simpleType>

Value	Description
None	Call state is not disconnected or disconnect reason is not known.
UserBusy	The called party line was busy.
NoAnswer	The called party did not answer.
Unavailable	The called party number was not available.
Other	Catch-all for other disconnect reasons.

### 3.1.4.4.1.2 t:PhoneCallStateType

The **PhoneCallState** type specifies the current state for a phone call.

```
<xs:simpleType name="PhoneCallStateType">  
  <xs:restriction base="xs:string">  
    <xs:enumeration value="Idle"/>  
    <xs:enumeration value="Connecting"/>  
    <xs:enumeration value="Alerted"/>  
    <xs:enumeration value="Connected"/>  
    <xs:enumeration value="Disconnected"/>  
    <xs:enumeration value="Incoming"/>  
    <xs:enumeration value="Transferring"/>  
    <xs:enumeration value="Forwarding"/>  
  </xs:restriction>  
</xs:simpleType>
```

Value	Description
Idle	Initial call state.
Connecting	The system is dialing this call.
Alerted	The call is in alerting state (phone is ringing).
Connected	The call is in the connected state.
Disconnected	The call is disconnected.
Incoming	The call is inbound.
Transferring	The call is being transferred to another destination.
Forwarding	The call is being forwarded to another destination.

### 3.1.4.4.2 Complex Types

The following XML schema complex type definitions are specific to this operation.

#### 3.1.4.4.2.1 m:GetPhoneCallInformationType

The **GetPhoneCallInformationType** type specifies a request to get telephone call information.

```

<xs:complexType name="GetPhoneCallInformationType">
  <xs:complexContent>
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="PhoneCallId" type="t:PhoneCallIdType" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

Element	Type	Definition
<b>PhoneCallId</b>	<b>t:PhoneCallIdType</b>	Specifies the identifier of the telephone call to disconnect. This element MUST occur only once.

### 3.1.4.4.2.2 m:GetPhoneCallInformationResponseMessageType

The **GetPhoneCallInformationResponseMessageType** type specifies a response to get telephone call information.

```

<xs:complexType name="GetPhoneCallInformationResponseMessageType">
  <xs:complexContent>
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element name="PhoneCallInformation" type="t:PhoneCallInformationType"
minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

```

Element	Type	Definition
<b>PhoneCallInformation</b>	<b>t:PhoneCallInformationType</b>	Specifies the state information for a phone call.

### 3.1.4.4.2.3 t:PhoneCallInformationType

The **PhoneCallInformationType** type specifies the state information for a phone call.

```

<xs:complexType name="PhoneCallInformationType">
  <xs:sequence>
    <xs:element name="PhoneCallState" type="t:PhoneCallStateType" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="ConnectionFailureCause" type="t:ConnectionFailureCauseType"
minOccurs="1" maxOccurs="1"/>
    <xs:element name="SIPResponseText" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="SIPResponseCode" type="xs:int" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>

```

Element	Type	Definition
<b>PhoneCallState</b>	<b>t:PhoneCallStateType</b>	Specifies the state for a telephone call.

Element	Type	Definition
		This element <b>MUST</b> occur.
<b>ConnectionFailureCause</b>	<b>t:ConnectionFailureCauseType</b>	Specifies the cause of a connection failure. This element <b>MUST</b> occur.
<b>SIPResponseText</b>	<b>xs:string</b>	Specifies the SIP response text.
<b>SIPResponseCode</b>	<b>xs:int</b>	Specifies the SIP response code.

### 3.1.4.4.3 Elements

The following XML schema element definitions are specific to this operation.

#### 3.1.4.4.3.1 m:GetPhoneCallInformation

The **GetPhoneCallInformation** element specifies a request to get telephone call information.

```
<xs:element name="GetPhoneCallInformation" type="m:GetPhoneCallInformationType"/>
```

#### 3.1.4.4.3.2 m:GetPhoneCallInformationResponse

The **GetPhoneCallInformationResponse** element specifies a response to get telephone call information.

```
<xs:element name="GetPhoneCallInformationResponse"
type="m:GetPhoneCallInformationResponseMessageType"/>
```

### 3.1.4.4.4 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.4.4.1 GetPhoneCallInformationSoapIn

The **GetPhoneCallInformationSoapIn** WSDL message specifies the **GetPhoneCallInformation** request.

Parts for the **GetPhoneCallInformationSoapIn** message are listed in the following table.

Part	Element/Type	Description
request	<b>tns:GetPhoneCallInformation</b>	Specifies the request.
Impersonation	<b>t:ExchangeImpersonation</b>	Specifies Exchange Impersonation information.
MailboxCulture	<b>t:MailboxCulture</b>	Specifies the culture to use for accessing the mailbox. The cultures are defined by <a href="#">[RFC3066]</a> .
RequestVersion	<b>t:RequestServerVersion</b>	Specifies the schema version for the <b>GetPhoneCallInformation</b> request.

```
<wsdl:message name="GetPhoneCallInformationSoapIn">
  <wsdl:part name="request" element="tns:GetPhoneCallInformation"/>
</wsdl:message>
```

```

    <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
    <wsdl:part name="MailboxCulture" element="t:MailboxCulture" />
    <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
  </wsdl:message>

```

### 3.1.4.4.2 GetPhoneCallInformationSoapOut

The **GetPhoneCallInformationSoapOut** WSDL message specifies the **GetPhoneCallInformation** response.

Parts for the **GetPhoneCallInformationSoapOut** message are listed in the following table.

Part	Element/Type	Description
GetPhoneCallInformationResult	tns:GetPhoneCallInformationResponse	Specifies the response.
ServerVersion	t:ServerVersionInfo	Specifies the server version for the response.

```

<wsdl:message name="GetPhoneCallInformationSoapOut">
  <wsdl:part name="GetPhoneCallInformationResult"
    element="tns:GetPhoneCallInformationResponse" />
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo" />
</wsdl:message>

```

### 3.1.4.5 GetUMProperties Operation

The **GetUMProperties** operation returns a list of Unified Messaging properties. If the operation succeeds, a `<GetUMPropertiesResponse>` element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

[XML]

```

<wsdl:operation name="GetUMProperties">
  <wsdl:input message="tns:GetUMPropertiesSoapIn" />
  <wsdl:output message="tns:GetUMPropertiesSoapOut" />
</wsdl:operation>

```

#### 3.1.4.5.1 Complex Types

The following XML schema complex type definitions are specific to this operation.

##### 3.1.4.5.1.1 UMProperties Complex Type

```

<s:complexType name="UMProperties">
  <s:sequence>
    <s:element minOccurs="1" maxOccurs="1" name="OofStatus" type="s:boolean" />
    <s:element minOccurs="1" maxOccurs="1" name="MissedCallNotificationEnabled"
      type="s:boolean" />
    <s:element minOccurs="0" maxOccurs="1" name="PlayOnPhoneDialString" type="s:string" />
  </s:sequence>
  <s:element minOccurs="0" maxOccurs="1" name="TelephoneAccessNumbers"
    type="s:string" />
</s:complexType>

```



```

    <s:element minOccurs="0" maxOccurs="1" name="TelephoneAccessFolderEmail"
type="s:string" />
  </s:sequence>
</s:complexType>

```

Element	Type	Definition
OutOfStatus	s:boolean	Indicates whether the Out of Office greeting is enabled. MUST be present.
MissedCallNotificationEnabled	s:boolean	Indicates whether missed call notifications are enabled. MUST be present.
PlayOnPhoneDialString	s:string	Contains the default telephone number to use for the <b>PlayOnPhone</b> and <b>PlayOnPhoneGreeting</b> operations (sections 3.1.4.8 and 3.1.4.5). If this element is not specified, the implementation can return a SOAP fault response.
TelephoneAccessNumbers	s:string	Contains a comma-separated list of telephone numbers that the user can use to access Unified Messaging via a telephone. If this element is not specified, the implementation can return a SOAP fault response.
TelephoneAccessFolderEmail	s:string	Contains the identifier for the e-mail folder from which Unified Messaging will read messages over the telephone. This value is the folder <b>EntryID</b> [MS-OXGLOS] encoded as a base64 string (section 6.8 of [RFC2045]). If this element is not specified, the implementation can return a SOAP fault response.

### 3.1.4.5.2 Elements

The following XML schema element definitions are specific to this operation.

#### 3.1.4.5.2.1 GetUMProperties Element

Defines a request to get Unified Messaging properties.

```

<s:element name="GetUMProperties">
  <s:complexType />
</s:element>

```

#### 3.1.4.5.2.2 GetUMPropertiesResponse Element

Defines a response to a **GetUMProperties** request.

```

<s:element name="GetUMPropertiesResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="GetUMPropertiesResponse"
type="tns:UMProperties" />
    </s:sequence>
  </s:complexType>
</s:element>

```

```

    </s:complexType>
  </s:element>

```

Element	Type	Definition
GetUMPropertiesResponse	tns:UMProperties	Contains a list of Unified Messaging properties. See the <b>UMProperties</b> complex type for more information (section <a href="#">3.1.4.3.1.1</a> ). If this element is not specified, the implementation can return a SOAP fault response.

### 3.1.4.5.3 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.5.3.1 GetUMPropertiesSoapIn Message

The **GetUMPropertiesSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns: GetUMProperties	Contains the information that is required to get Unified Messaging properties.

```

<wsdl:message name="GetUMPropertiesSoapIn">
  <wsdl:part name="parameters" element="tns:GetUMProperties" />
</wsdl:message>

```

#### 3.1.4.5.3.2 GetUMPropertiesSoapOut Message

The **GetUMPropertiesSoapOut** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns: GetUMPropertiesResponse	Specifies a response to a <b>GetUMProperties</b> operation (section <a href="#">3.1.4.5</a> ) request.

```

<wsdl:message name="GetUMPropertiesSoapOut">
  <wsdl:part name="parameters" element="tns:GetUMPropertiesResponse" />
</wsdl:message>

```

### 3.1.4.6 IsUMEnabled Operation

The **IsUMEnabled** operation returns a value that indicates whether the user who is making the request is enabled for Unified Messaging. If the operation succeeds, an <IsUMEnabledResponse> element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure. [<3>](#)

```

<wsdl:operation name="IsUMEnabled">

```

```

    <wsdl:input message="tns:IsUMEnabledSoapIn" />
    <wsdl:output message="tns:IsUMEnabledSoapOut" />
  </wsdl:operation>

```

### 3.1.4.6.1 Elements

The following XML schema element definitions are specific to this operation.

#### 3.1.4.6.1.1 IsUMEnabled Element

Defines a request to get whether a mailbox is enabled for Unified Messaging.

```

<s:element name="IsUMEnabled">
  <s:complexType />
</s:element>

```

#### 3.1.4.6.1.2 IsUMEnabledResponse Element

Defines a response to an **IsUMEnabled** request.

```

<s:element name="IsUMEnabledResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="1" maxOccurs="1" name="IsUMEnabledResponse"
type="s:boolean" />
    </s:sequence>
  </s:complexType>
</s:element>

```

Element	Type	Definition
IsUMEnabledResponse	s:boolean	Contains a value that indicates whether a mailbox is enabled for Unified Messaging. MUST be present.

### 3.1.4.6.2 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.6.2.1 IsUMEnabledSoapIn Message

The **IsUMEnabledSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:IsUMEnabled	Contains the information that is required to discover whether a mailbox is enabled for Unified Messaging.

```

<wsdl:message name="IsUMEnabledSoapIn">
  <wsdl:part name="parameters" element="tns:IsUMEnabled" />

```

```
</wsdl:message>
```

### 3.1.4.6.2.2 IsUMEnabledSoapOut Message

The **IsUMEnabledSoapOut** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:IsUMEnabledResponse	Specifies a response to a <b>IsUMEnabled</b> operation (section <a href="#">3.1.4.6</a> ) request.

```
<wsdl:message name="IsUMEnabledSoapOut">
  <wsdl:part name="parameters" element="tns:IsUMEnabledResponse" />
</wsdl:message>
```

### 3.1.4.7 PlayOnPhone2 Operation

The **PlayOnPhone2** operation initiates an outbound call and plays a voice message over the telephone. [<4>](#)

```
<wsdl:operation name="PlayOnPhone2">
  <wsdl:input message="tns:PlayOnPhoneSoapIn2" />
  <wsdl:output message="tns:PlayOnPhoneSoapOut2" />
</wsdl:operation>
```

#### 3.1.4.7.1 Complex Types

The following XML schema complex type definitions are specific to this operation.

##### 3.1.4.7.1.1 m:PlayOnPhoneType

The **PlayOnPhoneType** type specifies the request to play a voice mail over the telephone.

```
<xs:complexType name="PlayOnPhoneType">
  <xs:complexContent>
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ItemId" type="t:ItemIdType" minOccurs="1" maxOccurs="1"/>
        <xs:element name="DialString" type="xs:string" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Element	Type	Definition
ItemId	t:ItemIdType	Specifies the voice mail identifier of the voice mail to play on the telephone number identified by the <b>DialString</b> element.
DialString	xs:string	Specifies the dial string of the telephone that plays the voice mail.

### 3.1.4.7.1.2 m:PlayOnPhone2Type

The **PlayOnPhone2Type** type specifies the request to play a voice mail over the telephone.

```
<xs:complexType name="PlayOnPhone2Type">
  <xs:sequence>
    <xs:element name="PlayOnPhone" type="m:PlayOnPhoneType"/>
  </xs:sequence>
</xs:complexType>
```

### 3.1.4.7.1.3 m:PlayOnPhoneResponse2Type

The **PlayOnPhone2Type** type specifies the response to play a voice mail over the telephone.

```
<xs:complexType name="PlayOnPhoneResponse2Type">
  <xs:sequence>
    <xs:element name="PlayOnPhoneResponse" type="m:PlayOnPhoneResponseMessageType"/>
  </xs:sequence>
</xs:complexType>
```

### 3.1.4.7.1.4 m:PlayOnPhoneResponseMessageType

The **PlayOnPhoneResponseMessageType** type specifies the response to play a voice mail over the telephone.

```
<xs:complexType name="PlayOnPhoneResponseMessageType">
  <xs:complexContent>
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element name="PhoneCallId" type="t:PhoneCallIdType" minOccurs="0"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Element	Type	Definition
PhoneCallId	t:PhoneCallIdType	Specifies the telephone call identifier.

### 3.1.4.7.2 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.7.2.1 PlayOnPhoneSoapIn2

The **PlayOnPhoneSoapIn2** WSDL message specifies the **PlayOnPhone2** request.

Parts for the **PlayOnPhoneSoapIn2** message are listed in the following table.

Part	Element/Type	Description
request	tns:PlayOnPhone2Type	Specifies the request.

Part	Element/Type	Description
Impersonation	t:ExchangeImpersonation	Specifies Exchange Impersonation information.
MailboxCulture	t:MailboxCulture	Specifies the culture to use for accessing the mailbox. The cultures are defined by <a href="#">[RFC3066]</a> .
RequestVersion	t:RequestServerVersion	Specifies the schema version for the <b>PlayOnPhone</b> request.

```
<wsdl:message name="PlayOnPhoneSoapIn2">
  <wsdl:part name="request" element="tns:PlayOnPhone2Type" />
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

### 3.1.4.7.2.2 PlayOnPhoneSoapOut2

The **PlayOnPhoneSoapOut2** WSDL message specifies the **PlayOnPhone2** response.

Parts for the **PlayOnPhoneSoapOut2** message are listed in the following table.

Part	Element/Type	Description
PlayOnPhoneResult	<b>tns:PlayOnPhoneResponse2Type</b>	Specifies the response.
ServerVersion	<b>t:ServerVersionInfo</b>	Specifies the server version for the response.

```
<wsdl:message name="PlayOnPhoneSoapOut2">
  <wsdl:part name="PlayOnPhoneResult" element="tns:PlayOnPhoneResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

### 3.1.4.8 PlayOnPhone Operation

The **PlayOnPhone** operation initiates an outbound call and plays a voice message over the telephone. If the operation succeeds, a `<PlayOnPhoneResponse>` element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="PlayOnPhone">
  <wsdl:input message="tns:PlayOnPhoneSoapIn" />
  <wsdl:output message="tns:PlayOnPhoneSoapOut" />
</wsdl:operation>
```

#### 3.1.4.8.1 Elements

The following XML schema element definitions are specific to this operation.

##### 3.1.4.8.1.1 PlayOnPhone Element

Defines a request to play a voice message on a telephone.

```

<s:element name="PlayOnPhone">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="entryId" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="DialString" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>

```

Element	Type	Definition
EntryID	s:string	The identifier of the voice mail item to play. This value is the EntryID property, as defined in <a href="#">[MS-OXGLOS]</a> and encoded as a base64 string (section 6.8 of <a href="#">RFC 2045</a> ). If this element is not specified, the implementation can return a SOAP fault response.
DialString	s:string	The telephone number to dial. There are no constraints on the telephone number format. If this element is not specified, the implementation can return a SOAP fault response.

### 3.1.4.8.1.2 PlayOnPhoneResponse Element

Defines a response to a **PlayOnPhone** request.

```

<s:element name="PlayOnPhoneResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="PlayOnPhoneResponse" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>

```

Element	Type	Definition
PlayOnPhoneResponse	s:string	The identifier of the phone call. This value MUST be used as the <b>CallId</b> element for the <b>Disconnect</b> and <b>GetCallInfo</b> requests (sections <a href="#">3.1.4.2</a> and <a href="#">3.1.4.1</a> ). If this element is not specified, the implementation can return a SOAP fault response.

### 3.1.4.8.2 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.8.2.1 PlayOnPhoneSoapIn Message

The **PlayOnPhoneSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:PlayOnPhone	Contains the information required to play a voice message on a

Part Name	Element/Type	Description
		telephone.

```
<wsdl:message name="PlayOnPhoneSoapIn">
  <wsdl:part name="parameters" element="tns:PlayOnPhone" />
</wsdl:message>
```

### 3.1.4.8.2.2 PlayOnPhoneSoapOut Message

The **PlayOnPhoneSoapOut** message includes one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:PlayOnPhoneResponse	Specifies a response to a <b>PlayOnPhone</b> operation (section <a href="#">3.1.4.8</a> ) request.

```
<wsdl:message name="PlayOnPhoneSoapOut">
  <wsdl:part name="parameters" element="tns:PlayOnPhoneResponse" />
</wsdl:message>
```

### 3.1.4.9 PlayOnPhoneGreeting Operation

The **PlayOnPhoneGreeting** operation initiates an outbound call to play and record a greeting over the telephone. If the operation succeeds, a `<PlayOnPhoneGreetingResponse>` element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="PlayOnPhoneGreeting">
  <wsdl:input message="tns:PlayOnPhoneGreetingSoapIn" />
  <wsdl:output message="tns:PlayOnPhoneGreetingSoapOut" />
</wsdl:operation>
```

### 3.1.4.9.1 Simple Types

The following XML schema simple definitions are specific to this operation.

#### 3.1.4.9.1.1 UMGreetingType

The type of greeting to be played and recorded through a **PlayOnPhoneGreeting** operation is as follows:

```
<s:simpleType name="UMGreetingType">
  <s:restriction base="s:string">
    <s:enumeration value="NormalCustom" />
    <s:enumeration value="OofCustom" />
  </s:restriction>
</s:simpleType>
```

Value	Meaning
NormalCustom	This is the default greeting to be played to callers when the user is not Out of Office.



Value	Meaning
OofCustom	Greeting to be played when the user is Out of Office.

### 3.1.4.9.2 Elements

The following XML schema element definitions are specific to this operation.

#### 3.1.4.9.2.1 PlayOnPhoneGreeting Element

Defines a request to play a Unified Messaging greeting on a telephone.

```
<s:element name="PlayOnPhoneGreeting">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="1" maxOccurs="1" name="GreetingType"
type="tns:UMGreetingType" />
      <s:element minOccurs="0" maxOccurs="1" name="DialString" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>
```

Element	Type	Definition
GreetingType	tns:UMGreetingType	The type of greeting to play. See the <b>UMGreetingType</b> simple type for a list of valid values. MUST be present.
DialString	s:string	The telephone number to dial. There are no constraints on the telephone number format. If this element is not specified, the implementation can return a SOAP fault response.

#### 3.1.4.9.2.2 PlayOnPhoneGreetingResponse Element

Defines a response to a **PlayOnPhoneGreeting** request.

```
<s:element name="PlayOnPhoneGreetingResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="PlayOnPhoneGreetingResponse"
type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>
```

Element	Type	Definition
PlayOnPhoneGreetingResponse	s:string	The identifier of the phone call. This value MUST be used as the <b>CallId</b> element for the <b>Disconnect</b> and <b>GetCallInfo</b> requests (sections <a href="#">3.1.4.2</a> and <a href="#">3.1.4.1</a> ). If this element is not specified, the implementation can return a SOAP fault response.

### 3.1.4.9.3 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.9.3.1 PlayOnPhoneGreetingSoapIn Message

Parameters for the **PlayOnPhoneGreetingSoapIn** message are as follows.

Parameter	Element/Type	Description
parameters	tns:PlayOnPhoneGreeting	This part contains the information required to play a Unified Messaging greeting on a telephone.

```
<wsdl:message name="PlayOnPhoneGreetingSoapIn">
  <wsdl:part name="parameters" element="tns:PlayOnPhoneGreeting" />
</wsdl:message>
```

#### 3.1.4.9.3.2 PlayOnPhoneGreetingSoapOut Message

Parameters for the **PlayOnPhoneGreetingSoapOut** message are as follows.

Parameter	Element/Type	Description
parameters	tns:PlayOnPhoneGreetingResponse	Response to a <b>PlayOnPhoneGreeting</b> request.

```
<wsdl:message name="PlayOnPhoneGreetingSoapOut">
  <wsdl:part name="parameters" element="tns:PlayOnPhoneGreetingResponse" />
</wsdl:message>
```

### 3.1.4.10 ResetPIN Operation

The **ResetPIN** operation creates a new password for the user who is making the request. If the operation is successful, a <ResetPINResponse> element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="ResetPIN">
  <wsdl:input message="tns:ResetPINSoapIn" />
  <wsdl:output message="tns:ResetPINSoapOut" />
</wsdl:operation>
```

#### 3.1.4.10.1 Elements

The following XML schema element definitions are specific to this operation.

##### 3.1.4.10.1.1 ResetPIN Element

Defines a request to reset the user's password.

```
<s:element name="ResetPIN">
```

```
<s:complexType />
</s:element>
```

### 3.1.4.10.1.2 ResetPINResponse Element

Defines a response to a **ResetPIN** request.

```
<s:element name="ResetPINResponse">
  <s:complexType />
</s:element>
```

### 3.1.4.10.2 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.10.2.1 ResetPINSoapIn Message

The **ResetPINSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:ResetPIN	Contains the information that is required to reset the user's password.

```
<wsdl:message name="ResetPINSoapIn">
  <wsdl:part name="parameters" element="tns:ResetPIN" />
</wsdl:message>
```

#### 3.1.4.10.2.2 ResetPINSoapOut Message

The **ResetPINSoapOut** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:ResetPINResponse	Specifies a response to a <b>ResetPIN</b> operation (section <a href="#">3.1.4.10</a> ) request.

```
<wsdl:message name="ResetPINSoapOut">
  <wsdl:part name="parameters" element="tns:ResetPINResponse" />
</wsdl:message>
```

#### 3.1.4.11 SetMissedCallNotificationEnabled Operation

The **SetMissedCallNotificationEnabled** operation sets a value that indicates whether missed call notifications are enabled for the user who is making the request. If the operation succeeds, a `<SetMissedCallNotificationEnabledResponse>` element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="SetMissedCallNotificationEnabled">
  <wsdl:input message="tns:SetMissedCallNotificationEnabledSoapIn" />
</wsdl:operation>
```

```
<wsdl:output message="tns:SetMissedCallNotificationEnabledSoapOut" />
</wsdl:operation>
```

### 3.1.4.11.1 Elements

The following XML schema element definitions are specific to this operation.

#### 3.1.4.11.1.1 SetMissedCallNotificationEnabled Element

Defines a request to set whether missed call notifications are enabled for the user who is making the request.

```
<s:element name="SetMissedCallNotificationEnabled">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="1" maxOccurs="1" name="status" type="s:boolean" />
    </s:sequence>
  </s:complexType>
</s:element>
```

Element	Type	Definition
status	s:boolean	A value that indicates whether to enable or disable missed call notifications for the user who is making the request. MUST be present.

#### 3.1.4.11.1.2 SetMissedCallNotificationEnabledResponse Element

Defines a response to a **SetMissedCallNotificationEnabled** request.

```
<s:element name="SetMissedCallNotificationEnabledResponse">
  <s:complexType />
</s:element>
```

### 3.1.4.11.2 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.11.2.1 SetMissedCallNotificationEnabledSoapIn Message

The **SetMissedCallNotificationEnabledSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:SetMissedCallNotificationEnabled	Contains the information that is required to set whether missed call notifications are enabled for the user who is making the request.

```
<wsdl:message name="SetMissedCallNotificationEnabledSoapIn">
  <wsdl:part name="parameters" element="tns:SetMissedCallNotificationEnabled" />
</wsdl:message>
```

```
</wsdl:message>
```

### 3.1.4.11.2.2 SetMissedCallNotificationEnabledSoapOut Message

The **SetMissedCallNotificationEnabledSoapOut** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:SetMissedCallNotificationEnabledResponse	Specifies a response to a <b>SetMissedCallNotificationEnabled</b> operation (section <a href="#">3.1.4.11</a> ) request.

```
<wsdl:message name="SetMissedCallNotificationEnabledSoapOut">  
  <wsdl:part name="parameters" element="tns:SetMissedCallNotificationEnabledResponse" />  
</wsdl:message>
```

### 3.1.4.12 SetOofStatus Operation

The **SetOofStatus** operation sets a value that indicates whether the Out of Office greeting is played for the user who makes the request. If the operation succeeds, a `<SetOofStatusResponse>` element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="SetOofStatus">  
  <wsdl:input message="tns:SetOofStatusSoapIn" />  
  <wsdl:output message="tns:SetOofStatusSoapOut" />  
</wsdl:operation>
```

#### 3.1.4.12.1 Elements

The following XML schema element definitions are specific to this operation.

##### 3.1.4.12.1.1 SetOofStatus Element

Defines a request to set whether the Out of Office greeting is enabled for the user who is making the request.

```
<s:element name="SetOofStatus">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="1" maxOccurs="1" name="status" type="s:boolean" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```

Element	Type	Definition
status	s:boolean	A value that indicates whether the Out of Office greeting is played to callers. MUST be present.

### 3.1.4.12.1.2 SetOofStatusResponse Element

Defines a response to a **SetOofStatus** request.

```
<s:element name="SetOofStatusResponse">
  <s:complexType />
</s:element>
```

### 3.1.4.12.2 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.12.2.1 SetOofStatusSoapIn Message

The **SetOofStatusSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
Parameters	tns:SetOofStatus	Contains the information that is required to set whether the Out of Office greeting is enabled for the user who is making the request.

```
<wsdl:message name="SetOofStatusSoapIn">
  <wsdl:part name="parameters" element="tns:SetOofStatus" />
</wsdl:message>
```

#### 3.1.4.12.2.2 SetOofStatusSoapOut Message

The **SetOofStatusSoapOut** message contains one part, as listed in the following table.

Part name	Element/Type	Description
parameters	tns:SetOofStatusResponse	Specifies a response to a <b>SetOofStatus</b> operation (section <a href="#">3.1.4.12</a> ) request.

```
<wsdl:message name="SetOofStatusSoapOut">
  <wsdl:part name="parameters" element="tns:SetOofStatusResponse" />
</wsdl:message>
```

### 3.1.4.13 SetPlayOnPhoneDialString Operation

The **SetPlayOnPhoneDialString** operation sets the default telephone number that is used in **PlayOnPhone** operation (section [3.1.4.8](#)) and **PlayOnPhoneGreeting** operation (section [3.1.4.9](#)) requests. If the operation succeeds, a `<SetPlayOnPhoneDialStringResponse>` element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="SetPlayOnPhoneDialString">
  <wsdl:input message="tns:SetPlayOnPhoneDialStringSoapIn" />
  <wsdl:output message="tns:SetPlayOnPhoneDialStringSoapOut" />
</wsdl:operation>
```

### 3.1.4.13.1 Elements

The following XML schema element definitions are specific to this operation.

#### 3.1.4.13.1.1 SetPlayOnPhoneDialString Element

Defines a request to store the default telephone number to use in **PlayOnPhone** and **PlayOnPhoneGreeting** requests.

```
<s:element name="SetPlayOnPhoneDialString">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="dialString" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>
```

Element	Type	Definition
dialString	s:string	A telephone number. There are no constraints on the telephone number format. If this element is not specified, the implementation can return a SOAP fault response.

#### 3.1.4.13.1.2 SetPlayOnPhoneDialStringResponse Element

Defines a response to a **SetPlayOnPhoneDialString** request.

```
<s:element name="SetPlayOnPhoneDialStringResponse">
  <s:complexType />
</s:element>
```

### 3.1.4.13.2 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.13.2.1 SetPlayOnPhoneDialStringSoapIn Message

Parameters for the **SetPlayOnPhoneDialStringSoapIn** message are as follows.

Parameter	Element/Type	Description
parameters	tns: SetPlayOnPhoneDialString	This part contains the information required to set the default telephone number to use in <b>PlayOnPhone</b> and <b>PlayOnPhoneGreeting</b> requests.

[XML]

```
<wsdl:message name="SetPlayOnPhoneDialStringSoapIn">
  <wsdl:part name="parameters" element="tns:SetPlayOnPhoneDialString"/>
</wsdl:message>
```

### 3.1.4.13.2.2 SetPlayOnPhoneDialStringSoapOut Message

The **SetPlayOnPhoneDialStringSoapOut** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:SetPlayOnPhoneDialStringResponse	Specifies a response to a <b>SetPlayOnPhoneDialString</b> operation (section <a href="#">3.1.4.13</a> ) request.

```
<wsdl:message name="SetPlayOnPhoneDialStringSoapOut">
  <wsdl:part name="parameters" element="tns:SetPlayOnPhoneDialStringResponse" />
</wsdl:message>
```

### 3.1.4.14 SetTelephoneAccessFolderEmail Operation

The **SetTelephoneAccessFolderEmail** operation sets the mailbox folder from which the Unified Messaging server will read back to the user over the telephone. If the operation succeeds, a `<SetTelephoneAccessFolderEmailResponse>` element is returned. If the operation fails, a SOAP fault response is returned that contains information about the failure.

```
<wsdl:operation name="SetTelephoneAccessFolderEmail">
  <wsdl:input message="tns:SetTelephoneAccessFolderEmailSoapIn" />
  <wsdl:output message="tns:SetTelephoneAccessFolderEmailSoapOut" />
</wsdl:operation>
```

#### 3.1.4.14.1 Elements

The following XML schema element definitions are specific to this operation.

##### 3.1.4.14.1.1 SetTelephoneAccessFolderEmail Element

Defines a request to set the folder that the Unified Messaging server will use to play e-mail messages over the telephone.

```
<s:element name="SetTelephoneAccessFolderEmail">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="base64FolderId" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>
```

Element	Type	Definition
base64FolderId	s:string	The folder identifier. This value is the folder EntryID <a href="#">[MS-OXGLOS]</a> that is encoded as a base64 string (section 6.8 of <a href="#">[RFC 2045]</a> ). If this element is not specified, the implementation can return a SOAP fault response.



### 3.1.4.14.1.2 SetTelephoneAccessFolderEmailResponse Element

Defines a response to a **SetTelephoneAccessFolderEmail** request.

```
<s:element name="SetTelephoneAccessFolderEmailResponse">
  <s:complexType />
</s:element>
```

### 3.1.4.14.2 Messages

The following WSDL message definitions are specific to this operation.

#### 3.1.4.14.2.1 SetTelephoneAccessFolderEmailSoapIn Message

The **SetTelephoneAccessFolderEmailSoapIn** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:SetTelephoneAccessFolderEmail	Contains the information that is required to set the folder that the Unified Messaging server will use to play e-mail messages over the telephone.

```
<wsdl:message name="SetTelephoneAccessFolderEmailSoapIn">
  <wsdl:part name="parameters" element="tns:SetTelephoneAccessFolderEmail" />
</wsdl:message>
```

#### 3.1.4.14.2.2 SetTelephoneAccessFolderEmailSoapOut Message

The **SetTelephoneAccessFolderEmailSoapOut** message contains one part, as listed in the following table.

Part Name	Element/Type	Description
parameters	tns:SetTelephoneAccessFolderEmailResponse	Specifies a response to a <b>SetTelephoneAccessFolderEmail</b> operation (section <a href="#">3.1.4.14</a> ) request.

[XML]

```
<wsdl:message name="SetTelephoneAccessFolderEmailSoapOut">
  <wsdl:part name="parameters" element="tns:SetTelephoneAccessFolderEmailResponse" />
</wsdl:message>
```

### 3.1.5 Timer Events

None.

### 3.1.6 Other Local Events

None.

## 4 Protocol Examples

### 4.1 GetUMProperties Example

The following example shows how to retrieve the list of Unified Messaging properties for the mailbox of the user who is making the request.

#### Request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetUMProperties xmlns="http://schemas.microsoft.com/exchange/services/2006/messages" />
  </soap:Body>
</soap:Envelope>
```

#### Response:

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetUMPropertiesResponse
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <GetUMPropertiesResponse>
        <OutOfStatus>false</OutOfStatus>
        <MissedCallNotificationEnabled>true</MissedCallNotificationEnabled>
        <PlayOnPhoneDialString>12345</PlayOnPhoneDialString>
        <TelephoneAccessNumbers>54321</TelephoneAccessNumbers>
        <TelephoneAccessFolderEmail>AAAAAGsd2rbQLVtLobUGbrq/9TUBAEX2ikn/L8JJtI5WHI0FAW8AAAFXHsAAA==<
/TelephoneAccessFolderEmail>
      </GetUMPropertiesResponse>
    </GetUMPropertiesResponse>
  </soap:Body>
</soap:Envelope>
```

### 4.2 IsUMEnabled Example

The following example shows how to determine whether the mailbox of the user who is making the request is enabled for Unified Messaging.

#### Request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <IsUMEnabled xmlns="http://schemas.microsoft.com/exchange/services/2006/messages" />
  </soap:Body>
</soap:Envelope>
```

#### Response:

```

<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<soap:Body>
  <IsUMEnabledResponse xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
    <IsUMEnabledResponse>true</IsUMEnabledResponse>
  </IsUMEnabledResponse>
</soap:Body>
</soap:Envelope>

```

### 4.3 ResetPIN Example

The following example shows how to form a request to reset the password of the user who is making the request.

#### Request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  <soap:Body>
    <ResetPIN xmlns="http://schemas.microsoft.com/exchange/services/2006/messages" />
  </soap:Body>
</soap:Envelope>

```

#### Response:

```

<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <ResetPINResponse xmlns="http://schemas.microsoft.com/exchange/services/2006/messages" />
  </soap:Body>
</soap:Envelope>

```

### 4.4 PlayOnPhone Example

The following example shows how to form a request to make an outbound call and play a message.

#### Request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  <soap:Body>
    <PlayOnPhone xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <entryId>AAAAAGsd2rbQLVtLobUGbrq/9IUHAEX2ikn/L8JtI5WHI0FAW8AAAFXHhsAACxVpEl+KVVL1957wp//x6UA
      GAetcDUAAA=</entryId>
      <DialString>12345</DialString>
    </PlayOnPhone>
  </soap:Body>

```

```
</soap:Envelope>
```

## Response:

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PlayOnPhoneResponse
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">

    <PlayOnPhoneResponse>NDEzYjEzNmMtZTE2Zi00NTJlLWI3YzctNDhkMTE3MDE3YjlmQGRmLWV1bS0wMS5leGNoYW5n
ZS5jb3JwIm1pY3Jvc29mdC5jb20=</PlayOnPhoneResponse>
    </PlayOnPhoneResponse>
  </soap:Body>
</soap:Envelope>
```

## 4.5 PlayOnPhoneGreeting Example

The following example of a **PlayOnPhoneGreeting** request shows how to form a request to make an outbound call and play the normal greeting message on a telephone.

### Request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <PlayOnPhoneGreeting
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <GreetingType>NormalCustom</GreetingType>
      <DialString>12345</DialString>
    </PlayOnPhoneGreeting>
  </soap:Body>
</soap:Envelope>
```

### Response:

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PlayOnPhoneGreetingResponse
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">

    <PlayOnPhoneGreetingResponse>MjA4MTQ5MmItMTBmZC00ZGFmLThiMzEtNDl1NDJjM2Y3MjIxQGRmLWV1bS0wMS5leGNoYW5nZS5jb3JwIm1pY3Jvc29mdC5jb20=</PlayOnPhoneGreetingResponse>
    </PlayOnPhoneGreetingResponse>
  </soap:Body>
</soap:Envelope>
```

## 4.6 GetCallInfo Example

The following example shows how to get information about a specified outbound call that was previously initiated through a **PlayOnPhone** or **PlayOnPhoneGreeting** operation.

Pre-requisites:

1. Initiate a play-on-phone call by sending either a **PlayOnPhone** or **PlayOnPhoneGreeting** request (see examples in sections [4.2](#) and [4.3](#)).
2. Save the **PlayOnPhoneResponse** value in a temporary variable. This value is the **CallId** that you will use when making the **GetCallInfo** request.

### Request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetCallInfo xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <CallId>NDEzYjEzNmMtZTE2Zi00NTJlLWI3YzctNDhkMTE3MDE3YjlmQGRmLWV1bS0wMS5leGNoYW5nZS5jb3JwLm1pY
      3Jvc29mdC5jb20=</CallId>
    </GetCallInfo>
  </soap:Body>
</soap:Envelope>
```

### Response:

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetCallInfoResponse
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <GetCallInfoResponse>
        <CallState>Connected</CallState>
        <EventCause>None</EventCause>
      </GetCallInfoResponse>
    </GetCallInfoResponse>
  </soap:Body>
</soap:Envelope>
```

## 4.7 Disconnect Example

The following example shows how to form a request to disconnect a call that was previously initiated through a **PlayOnPhone** or **PlayOnPhoneGreeting** operation.

Prerequisites:

1. Initiate a play-on-phone call by sending either a **PlayOnPhone** or **PlayOnPhoneGreeting** request (see examples in sections [4.2](#) and [4.3](#)).
2. Save the **PlayOnPhoneResponse** value in a temporary variable. This value is the **CallId** that you will use when making the **Disconnect** request.

**Request:**

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <Disconnect xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <CallId>NDEzYjEzNmMtZTE2Zi00NTJlLWI3YzctNDhkMTE3MDE3YjlmQGRmLWV1bS0wMMS1eGN0YW5nZS5jb3JwLm1pY
      3Jvc29mdC5jb20=</CallId>
    </Disconnect>
  </soap:Body>
</soap:Envelope>
```

**Response:**

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <DisconnectResponse xmlns="http://schemas.microsoft.com/exchange/services/2006/messages"
/>
  </soap:Body>
</soap:Envelope>
```

**4.8 SetMissedCallNotificationEnabled Example**

The following example shows how to form a request to enable missed-call notifications for the user who is making the request.

**Request:**

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <SetMissedCallNotificationEnabled
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <status>true</status>
    </SetMissedCallNotificationEnabled>
  </soap:Body>
</soap:Envelope>
```

**Response:**

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <SetMissedCallNotificationEnabledResponse
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages" />
  </soap:Body>
</soap:Envelope>
```

## 4.9 SetOofStatus Example

The **SetOofStatus** operation sets a value that indicates whether the **Out-of-Office** greeting is enabled for the user who is making the request.

### Request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <SetOofStatus xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <status>true</status>
    </SetOofStatus>
  </soap:Body>
</soap:Envelope>
```

### Response:

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <SetOofStatusResponse
  xmlns="http://schemas.microsoft.com/exchange/services/2006/messages" />
  </soap:Body>
</soap:Envelope>
```

## 4.10 SetPlayOnPhoneDialString Example

The following example shows how to form a request to set the default telephone number for the user who is making the request.

### Request:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <SetPlayOnPhoneDialString
  xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <dialString>12345</dialString>
    </SetPlayOnPhoneDialString>
  </soap:Body>
</soap:Envelope>
```

### Response:

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

```

    <SetPlayOnPhoneDialStringResponse
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages" />
  </soap:Body>
</soap:Envelope>

```

#### 4.11 SetTelephoneAccessFolderEmail Example

The following example shows how to form a request to set the folder, from which a Unified Messaging server will read back to the user over the telephone.

##### Request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <SetTelephoneAccessFolderEmail
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <base64FolderID>AAAAAGsd2rbQLVtLobUGbrq/9IUBAEX2ikn/L8JtI5WHI0FAW8AAAFXHsAAA==</base64FolderID>
    </SetTelephoneAccessFolderEmail>
  </soap:Body>
</soap:Envelope>

```

##### Response:

```

<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <SetTelephoneAccessFolderEmailResponse
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages" />
  </soap:Body>
</soap:Envelope>

```

#### 4.12 SOAP Fault Example

Any of the Voice Mail Settings Web service operations returns a SOAP fault. A SOAP fault element is used to carry error and/or status information within a **SOAP** message when there is API misuse or where there are configuration failures. The following example shows a SOAP fault message in response to an invalid **PlayOnPhone** request.

##### Request:

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <PlayOnPhone xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
      <entryId>INVALID_ENTRY_ID</entryId>
      <DialString>12345</DialString>
    </PlayOnPhone>
  </soap:Body>

```



</soap:Envelope>

## Response:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <soap:Fault>
      <faultcode>soap:Server</faultcode>
      <faultstring>The object identifier is not valid</faultstring>
      <faultactor>http://srv/unifiedmessaging/service.asmx</faultactor>
      <detail>
        <ExceptionType
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">InvalidObjectIdException
</ExceptionType>
        </detail>
      </soap:Fault>
    </soap:Body>
  </soap:Envelope>
```

## 5 Security

### 5.1 Security Considerations for Implementers

The Voice Mail Settings Web service relies on the Web server that hosts the application to perform authentication.

Use secure communication via HTTPS [\[RFC2818\]](#) when using the Voice Mail Settings Web service.

## 6 Appendix A: Full WSDL

The **XML** files that are listed in the following table are required in order to implement the functionality specified in this document. The contents of each file are included in this section.

File name	Description	Section
MS-OXWUMS.wsdl	Contains the WSDL for the implementation of this protocol.	<a href="#">6.1</a>
MS-OXWUMS-messages.xsd	Contains the XML schema message definitions that are used in this protocol.	<a href="#">6.2</a>
MS-OXWUMS-types.xsd	Contains the XML schema type definitions that are used in this protocol.	<a href="#">6.3</a>

These files have to be placed in a common folder in order for the WSDL to validate and operate. Also, any schema files that are included in or imported into the MS-OXWUMS-types.xsd or MS-OXWUMS-messages.xsd schemas have to be placed in the common folder with these files.

### 6.1 WSDL

This section contains the contents of the MS-OXWUMS.wsdl file.

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:s="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages">
  <wsdl:types>
    <s:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages">
      <s:include schemaLocation="MS-OXWUMS-messages.xsd"/>
    </s:schema>
  </wsdl:types>
  <wsdl:message name="IsUMEnabledSoapIn">
    <wsdl:part name="parameters" element="tns:IsUMEnabled"/>
  </wsdl:message>
  <wsdl:message name="IsUMEnabledSoapOut">
    <wsdl:part name="parameters" element="tns:IsUMEnabledResponse"/>
  </wsdl:message>
  <wsdl:message name="GetUMPropertiesSoapIn">
    <wsdl:part name="parameters" element="tns:GetUMProperties"/>
  </wsdl:message>
  <wsdl:message name="GetUMPropertiesSoapOut">
    <wsdl:part name="parameters" element="tns:GetUMPropertiesResponse"/>
  </wsdl:message>
  <wsdl:message name="SetOofStatusSoapIn">
    <wsdl:part name="parameters" element="tns:SetOofStatus"/>
  </wsdl:message>
  <wsdl:message name="SetOofStatusSoapOut">
    <wsdl:part name="parameters" element="tns:SetOofStatusResponse"/>
  </wsdl:message>
  <wsdl:message name="SetPlayOnPhoneDialStringSoapIn">
    <wsdl:part name="parameters" element="tns:SetPlayOnPhoneDialString"/>
  </wsdl:message>
```

```

<wsdl:message name="SetPlayOnPhoneDialStringSoapOut">
  <wsdl:part name="parameters" element="tns:SetPlayOnPhoneDialStringResponse"/>
</wsdl:message>
<wsdl:message name="SetTelephoneAccessFolderEmailSoapIn">
  <wsdl:part name="parameters" element="tns:SetTelephoneAccessFolderEmail"/>
</wsdl:message>
<wsdl:message name="SetTelephoneAccessFolderEmailSoapOut">
  <wsdl:part name="parameters" element="tns:SetTelephoneAccessFolderEmailResponse"/>
</wsdl:message>
<wsdl:message name="SetMissedCallNotificationEnabledSoapIn">
  <wsdl:part name="parameters" element="tns:SetMissedCallNotificationEnabled"/>
</wsdl:message>
<wsdl:message name="SetMissedCallNotificationEnabledSoapOut">
  <wsdl:part name="parameters" element="tns:SetMissedCallNotificationEnabledResponse"/>
</wsdl:message>
<wsdl:message name="ResetPINSoapIn">
  <wsdl:part name="parameters" element="tns:ResetPIN"/>
</wsdl:message>
<wsdl:message name="ResetPINSoapOut">
  <wsdl:part name="parameters" element="tns:ResetPINResponse"/>
</wsdl:message>
<wsdl:message name="PlayOnPhoneSoapIn">
  <wsdl:part name="parameters" element="tns:PlayOnPhone"/>
</wsdl:message>
<wsdl:message name="PlayOnPhoneSoapOut">
  <wsdl:part name="parameters" element="tns:PlayOnPhoneResponse"/>
</wsdl:message>
<wsdl:message name="GetCallInfoSoapIn">
  <wsdl:part name="parameters" element="tns:GetCallInfo"/>
</wsdl:message>
<wsdl:message name="GetCallInfoSoapOut">
  <wsdl:part name="parameters" element="tns:GetCallInfoResponse"/>
</wsdl:message>
<wsdl:message name="DisconnectSoapIn">
  <wsdl:part name="parameters" element="tns:Disconnect"/>
</wsdl:message>
<wsdl:message name="DisconnectSoapOut">
  <wsdl:part name="parameters" element="tns:DisconnectResponse"/>
</wsdl:message>
<wsdl:message name="PlayOnPhoneGreetingSoapIn">
  <wsdl:part name="parameters" element="tns:PlayOnPhoneGreeting"/>
</wsdl:message>
<wsdl:message name="PlayOnPhoneGreetingSoapOut">
  <wsdl:part name="parameters" element="tns:PlayOnPhoneGreetingResponse"/>
</wsdl:message>
<wsdl:message name="DisconnectPhoneCallSoapIn">
  <wsdl:part name="request" element="tns:DisconnectPhoneCall"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
<wsdl:message name="DisconnectPhoneCallSoapOut">
  <wsdl:part name="DisconnectPhoneCallResult" element="tns:DisconnectPhoneCallResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
<wsdl:message name="GetPhoneCallInformationSoapIn">
  <wsdl:part name="request" element="tns:GetPhoneCallInformation"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>

```

```

    <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
  </wsdl:message>
  <wsdl:message name="GetPhoneCallInformationSoapOut">
    <wsdl:part name="GetPhoneCallInformationResult"
element="tns:GetPhoneCallInformationResponse"/>
    <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
  </wsdl:message>
  <wsdl:message name="PlayOnPhoneSoapIn2">
    <wsdl:part name="request" type="tns:PlayOnPhone2Type"/>
    <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
    <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
    <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
  </wsdl:message>
  <wsdl:message name="PlayOnPhoneSoapOut2">
    <wsdl:part name="PlayOnPhoneResult" type="tns:PlayOnPhoneResponse2Type"/>
    <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
  </wsdl:message>
  <wsdl:portType name="UMWebServiceSoap">
    <wsdl:operation name="IsUMEnabled">
      <wsdl:input message="tns:IsUMEnabledSoapIn"/>
      <wsdl:output message="tns:IsUMEnabledSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="GetUMProperties">
      <wsdl:input message="tns:GetUMPropertiesSoapIn"/>
      <wsdl:output message="tns:GetUMPropertiesSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="SetOofStatus">
      <wsdl:input message="tns:SetOofStatusSoapIn"/>
      <wsdl:output message="tns:SetOofStatusSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="SetPlayOnPhoneDialString">
      <wsdl:input message="tns:SetPlayOnPhoneDialStringSoapIn"/>
      <wsdl:output message="tns:SetPlayOnPhoneDialStringSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="SetTelephoneAccessFolderEmail">
      <wsdl:input message="tns:SetTelephoneAccessFolderEmailSoapIn"/>
      <wsdl:output message="tns:SetTelephoneAccessFolderEmailSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="SetMissedCallNotificationEnabled">
      <wsdl:input message="tns:SetMissedCallNotificationEnabledSoapIn"/>
      <wsdl:output message="tns:SetMissedCallNotificationEnabledSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="ResetPIN">
      <wsdl:input message="tns:ResetPINSoapIn"/>
      <wsdl:output message="tns:ResetPINSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="PlayOnPhone">
      <wsdl:input message="tns:PlayOnPhoneSoapIn"/>
      <wsdl:output message="tns:PlayOnPhoneSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="GetCallInfo">
      <wsdl:input message="tns:GetCallInfoSoapIn"/>
      <wsdl:output message="tns:GetCallInfoSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="Disconnect">
      <wsdl:input message="tns:DisconnectSoapIn"/>
      <wsdl:output message="tns:DisconnectSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="PlayOnPhoneGreeting">

```

```

        <wsdl:input message="tns:PlayOnPhoneGreetingSoapIn"/>
        <wsdl:output message="tns:PlayOnPhoneGreetingSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="DisconnectPhoneCall">
        <wsdl:input message="tns:DisconnectPhoneCallSoapIn"/>
        <wsdl:output message="tns:DisconnectPhoneCallSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="GetPhoneCallInformation">
        <wsdl:input message="tns:GetPhoneCallInformationSoapIn"/>
        <wsdl:output message="tns:GetPhoneCallInformationSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="PlayOnPhone2">
        <wsdl:input message="tns:PlayOnPhoneSoapIn2"/>
        <wsdl:output message="tns:PlayOnPhoneSoapOut2"/>
    </wsdl:operation>
</wsdl:portType>
<wsdl:binding name="UMWebServiceSoap" type="tns:UMWebServiceSoap">
    <wsdl:documentation>
        <wsi:Claim conformsTo="http://ws-i.org/profiles/basic/1.1" xmlns:wsi="http://ws-
i.org/schemas/conformanceClaim"/>
    </wsdl:documentation>
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="IsUMEnabled">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/IsUMEnabled"
style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetUMProperties">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetUMProperties"
style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetOofStatus">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetOofStatus"
style="document"/>
        <wsdl:input>
            <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="SetPlayOnPhoneDialString">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetPlayOnPhoneDialSt
ring" style="document"/>
        <wsdl:input>

```

```

        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="SetTelephoneAccessFolderEmail">
    <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetTelephoneAccessFo
lderEmail" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="SetMissedCallNotificationEnabled">
    <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetMissedCallNotifi c
ationEnabled" style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="ResetPIN">
    <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/ResetPIN"
style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="PlayOnPhone">
    <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/PlayOnPhone"
style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>
</wsdl:operation>
<wsdl:operation name="GetCallInfo">
    <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetCallInfo"
style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
        <soap:body use="literal"/>
    </wsdl:output>

```

```

        </wsdl:operation>
        <wsdl:operation name="Disconnect">
          <soap:operation
            soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/Disconnect"
            style="document"/>
          <wsdl:input>
            <soap:body use="literal"/>
          </wsdl:input>
          <wsdl:output>
            <soap:body use="literal"/>
          </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="PlayOnPhoneGreeting">
          <soap:operation
            soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/PlayOnPhoneGreeting"
            style="document"/>
          <wsdl:input>
            <soap:body use="literal"/>
          </wsdl:input>
          <wsdl:output>
            <soap:body use="literal"/>
          </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="PlayOnPhone2">
          <soap:operation
            soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/PlayOnPhone"/>
          <wsdl:input>
            <soap:body parts="request" use="literal"/>
            <soap:header message="tns:PlayOnPhoneSoapIn2" part="Impersonation"
              use="literal"/>
            <soap:header message="tns:PlayOnPhoneSoapIn2" part="MailboxCulture"
              use="literal"/>
            <soap:header message="tns:PlayOnPhoneSoapIn2" part="RequestVersion"
              use="literal"/>
          </wsdl:input>
          <wsdl:output>
            <soap:body parts="PlayOnPhoneResult" use="literal"/>
            <soap:header message="tns:PlayOnPhoneSoapOut2" part="ServerVersion"
              use="literal"/>
          </wsdl:output>
        </wsdl:operation>
        <wsdl:operation name="GetPhoneCallInformation">
          <soap:operation
            soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetPhoneCallInformation"/>
          <wsdl:input>
            <soap:body parts="request" use="literal"/>
            <soap:header message="tns:GetPhoneCallInformationSoapIn" part="Impersonation"
              use="literal"/>
            <soap:header message="tns:GetPhoneCallInformationSoapIn" part="MailboxCulture"
              use="literal"/>
            <soap:header message="tns:GetPhoneCallInformationSoapIn" part="RequestVersion"
              use="literal"/>
          </wsdl:input>
          <wsdl:output>
            <soap:body parts="GetPhoneCallInformationResult" use="literal"/>
            <soap:header message="tns:GetPhoneCallInformationSoapOut" part="ServerVersion"
              use="literal"/>
          </wsdl:output>
        </wsdl:operation>

```



```

        <wsdl:operation name="DisconnectPhoneCall">
            <soap:operation
                soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/DisconnectPhoneCall"
            />
            <wsdl:input>
                <soap:body parts="request" use="literal"/>
                <soap:header message="tns:DisconnectPhoneCallSoapIn" part="Impersonation"
                    use="literal"/>
                <soap:header message="tns:DisconnectPhoneCallSoapIn" part="MailboxCulture"
                    use="literal"/>
                <soap:header message="tns:DisconnectPhoneCallSoapIn" part="RequestVersion"
                    use="literal"/>
            </wsdl:input>
            <wsdl:output>
                <soap:body parts="DisconnectPhoneCallResult" use="literal"/>
                <soap:header message="tns:DisconnectPhoneCallSoapOut" part="ServerVersion"
                    use="literal"/>
            </wsdl:output>
        </wsdl:operation>
    </wsdl:binding>
</wsdl:definitions>

```

## 6.2 Messages Schema

This section contains the contents of the MS-OXWUMS-messages.xsd file and information about additional files that this schema file requires to operate correctly.

MS-OXWUMS-messages.xsd includes the file listed in the following table. To operate correctly, this file has to be present in the folder that contains the WSDL, types schema, and messages schema files for this protocol.

File name	Defining specification
MS-OXWSCDATA-messages.xsd	<a href="#">[MS-OXWSCDATA]</a> section 6.3.
MS-OXWUMS-types.xsd	[MS-OXWUMS] section <a href="#">6.3</a>

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages"
    xmlns:tns="http://schemas.microsoft.com/exchange/services/2006/messages"
    xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
    xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:s="http://www.w3.org/2001/XMLSchema"
    targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
    elementFormDefault="qualified" version="Exchange2010" id="messages">
    <xs:include schemaLocation="MS-OXWSCDATA-messages.xsd"/>
    <xs:import namespace="http://schemas.microsoft.com/exchange/services/2006/types"
        schemaLocation="MS-OXWUMS-types.xsd"/>
    <s:element name="IsUMEnabled">
        <s:complexType/>
    </s:element>
    <s:element name="IsUMEnabledResponse">
        <s:complexType>
            <s:sequence>
                <s:element minOccurs="1" maxOccurs="1" name="IsUMEnabledResponse"
                    type="s:boolean"/>
            </s:sequence>
        </s:complexType>
    </s:element>

```

```

    </s:complexType>
  </s:element>
  <s:element name="GetUMProperties">
    <s:complexType/>
  </s:element>
  <s:element name="GetUMPropertiesResponse">
    <s:complexType>
      <s:sequence>
        <s:element minOccurs="0" maxOccurs="1" name="GetUMPropertiesResponse"
type="tns:UMProperties"/>
      </s:sequence>
    </s:complexType>
  </s:element>
  <s:complexType name="UMProperties">
    <s:sequence>
      <s:element minOccurs="1" maxOccurs="1" name="OofStatus" type="s:boolean"/>
      <s:element minOccurs="1" maxOccurs="1" name="MissedCallNotificationEnabled"
type="s:boolean"/>
      <s:element minOccurs="0" maxOccurs="1" name="PlayOnPhoneDialString"
type="s:string"/>
      <s:element minOccurs="0" maxOccurs="1" name="TelephoneAccessNumbers"
type="s:string"/>
      <s:element minOccurs="0" maxOccurs="1" name="TelephoneAccessFolderEmail"
type="s:string"/>
    </s:sequence>
  </s:complexType>
  <s:element name="SetOofStatus">
    <s:complexType>
      <s:sequence>
        <s:element minOccurs="1" maxOccurs="1" name="status" type="s:boolean"/>
      </s:sequence>
    </s:complexType>
  </s:element>
  <s:element name="SetOofStatusResponse">
    <s:complexType/>
  </s:element>
  <s:element name="SetPlayOnPhoneDialString">
    <s:complexType>
      <s:sequence>
        <s:element minOccurs="0" maxOccurs="1" name="dialString" type="s:string"/>
      </s:sequence>
    </s:complexType>
  </s:element>
  <s:element name="SetPlayOnPhoneDialStringResponse">
    <s:complexType/>
  </s:element>
  <s:element name="SetTelephoneAccessFolderEmail">
    <s:complexType>
      <s:sequence>
        <s:element minOccurs="0" maxOccurs="1" name="base64FolderId" type="s:string"/>
      </s:sequence>
    </s:complexType>
  </s:element>
  <s:element name="SetTelephoneAccessFolderEmailResponse">
    <s:complexType/>
  </s:element>
  <s:element name="SetMissedCallNotificationEnabled">
    <s:complexType>
      <s:sequence>

```

```

        <s:element minOccurs="1" maxOccurs="1" name="status" type="s:boolean"/>
    </s:sequence>
</s:complexType>
</s:element>
<s:element name="SetMissedCallNotificationEnabledResponse">
    <s:complexType/>
</s:element>
<s:element name="ResetPIN">
    <s:complexType/>
</s:element>
<s:element name="ResetPINResponse">
    <s:complexType/>
</s:element>
<s:element name="PlayOnPhone">
    <s:complexType>
        <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="entryId" type="s:string"/>
            <s:element minOccurs="0" maxOccurs="1" name="DialString" type="s:string"/>
        </s:sequence>
    </s:complexType>
</s:element>
<s:element name="PlayOnPhoneResponse">
    <s:complexType>
        <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="PlayOnPhoneResponse"
type="s:string"/>
        </s:sequence>
    </s:complexType>
</s:element>
<s:element name="GetCallInfo">
    <s:complexType>
        <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="CallId" type="s:string"/>
        </s:sequence>
    </s:complexType>
</s:element>
<s:element name="GetCallInfoResponse">
    <s:complexType>
        <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="GetCallInfoResponse"
type="tns:UMCallInfo"/>
        </s:sequence>
    </s:complexType>
</s:element>
<s:complexType name="UMCallInfo">
    <s:sequence>
        <s:element minOccurs="1" maxOccurs="1" name="CallState" type="tns:UMCallState"/>
        <s:element minOccurs="1" maxOccurs="1" name="EventCause" type="tns:UMEventCause"/>
    </s:sequence>
</s:complexType>
<s:simpleType name="UMCallState">
    <s:restriction base="s:string">
        <s:enumeration value="Idle"/>
        <s:enumeration value="Connecting"/>
        <s:enumeration value="Alerted"/>
        <s:enumeration value="Connected"/>
        <s:enumeration value="Disconnected"/>
        <s:enumeration value="Incoming"/>
        <s:enumeration value="Transferring"/>
    </s:restriction>
</s:simpleType>

```

```

        <s:enumeration value="Forwarding"/>
    </s:restriction>
</s:simpleType>
<s:simpleType name="UMEventCause">
    <s:restriction base="s:string">
        <s:enumeration value="None"/>
        <s:enumeration value="UserBusy"/>
        <s:enumeration value="NoAnswer"/>
        <s:enumeration value="Unavailable"/>
        <s:enumeration value="Other"/>
    </s:restriction>
</s:simpleType>
<s:element name="Disconnect">
    <s:complexType>
        <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="CallId" type="s:string"/>
        </s:sequence>
    </s:complexType>
</s:element>
<s:element name="DisconnectResponse">
    <s:complexType/>
</s:element>
<s:element name="PlayOnPhoneGreeting">
    <s:complexType>
        <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="GreetingType"
type="tns:UMGreetingType"/>
            <s:element minOccurs="0" maxOccurs="1" name="DialString" type="s:string"/>
        </s:sequence>
    </s:complexType>
</s:element>
<s:simpleType name="UMGreetingType">
    <s:restriction base="s:string">
        <s:enumeration value="NormalCustom"/>
        <s:enumeration value="OofCustom"/>
    </s:restriction>
</s:simpleType>
<s:element name="PlayOnPhoneGreetingResponse">
    <s:complexType>
        <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="PlayOnPhoneGreetingResponse"
type="s:string"/>
        </s:sequence>
    </s:complexType>
</s:element>
<xs:complexType name="DisconnectPhoneCallResponseMessageType">
    <xs:complexContent>
        <xs:extension base="m:ResponseMessageType"/>
    </xs:complexContent>
</xs:complexType>
<xs:complexType name="DisconnectPhoneCallType">
    <xs:complexContent>
        <xs:extension base="m:BaseRequestType">
            <xs:sequence>
                <xs:element name="PhoneCallId" type="t:PhoneCallIdType" minOccurs="1"
maxOccurs="1"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

```

</xs:complexType>
<xs:element name="DisconnectPhoneCall" type="m:DisconnectPhoneCallType"/>
<xs:element name="DisconnectPhoneCallResponse"
type="m:DisconnectPhoneCallResponseMessageType"/>
<xs:complexType name="GetPhoneCallInformationType">
  <xs:complexContent>
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="PhoneCallId" type="t:PhoneCallIdType" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="GetPhoneCallInformationResponseMessageType">
  <xs:complexContent>
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element name="PhoneCallInformation" type="t:PhoneCallInformationType"
minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="GetPhoneCallInformation" type="m:GetPhoneCallInformationType"/>
<xs:element name="GetPhoneCallInformationResponse"
type="m:GetPhoneCallInformationResponseMessageType"/>
<xs:complexType name="PlayOnPhoneType">
  <xs:complexContent>
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ItemId" type="t:ItemIdType" minOccurs="1" maxOccurs="1"/>
        <xs:element name="DialString" type="xs:string" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="PlayOnPhone2Type">
  <xs:sequence>
    <xs:element name="PlayOnPhone" type="m:PlayOnPhoneType"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="PlayOnPhoneResponseMessageType">
  <xs:complexContent>
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element name="PhoneCallId" type="t:PhoneCallIdType" minOccurs="0"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="PlayOnPhoneResponse2Type">
  <xs:sequence>
    <xs:element name="PlayOnPhoneResponse" type="m:PlayOnPhoneResponseMessageType"/>
  </xs:sequence>
</xs:complexType>
</xs:schema>

```

## 6.3 Types Schema

This section contains the contents of the MS-OXWUMS-types.xsd file.

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/types"
elementFormDefault="qualified" version="Exchange2010" id="types">
  <xs:complexType name="PhoneCallIdType">
    <xs:attribute name="Id" type="xs:string" use="required"/>
  </xs:complexType>
  <xs:simpleType name="ConnectionFailureCauseType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="None"/>
      <xs:enumeration value="UserBusy"/>
      <xs:enumeration value="NoAnswer"/>
      <xs:enumeration value="Unavailable"/>
      <xs:enumeration value="Other"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="PhoneCallStateType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Idle"/>
      <xs:enumeration value="Connecting"/>
      <xs:enumeration value="Alerted"/>
      <xs:enumeration value="Connected"/>
      <xs:enumeration value="Disconnected"/>
      <xs:enumeration value="Incoming"/>
      <xs:enumeration value="Transferring"/>
      <xs:enumeration value="Forwarding"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="PhoneCallInformationType">
    <xs:sequence>
      <xs:element name="PhoneCallState" type="t:PhoneCallStateType" minOccurs="1"
maxOccurs="1"/>
      <xs:element name="ConnectionFailureCause" type="t:ConnectionFailureCauseType"
minOccurs="1" maxOccurs="1"/>
      <xs:element name="SIPResponseText" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="SIPResponseCode" type="xs:int" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:schema>
```

## 7 Appendix B: Product Behavior

The information in this specification is applicable to the following product versions. References to product versions include released service packs.

- Microsoft Office Outlook 2007
- Microsoft Exchange Server 2007
- Microsoft Outlook 2010
- Microsoft Exchange Server 2010

Exceptions, if any, are noted below. If a service pack number appears with the product version, behavior changed in that service pack. The new behavior also applies to subsequent service packs of the product unless otherwise specified.

Unless otherwise specified, any statement of optional behavior in this specification prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that product does not follow the prescription.

[<1> Section 3.1.4.2:](#) Exchange 2007 and Outlook 2007 do not use the **DisconnectPhoneCall** operation

[<2> Section 3.1.4.4:](#) Exchange 2007 and Outlook 2007 do not use the **GetPhoneCallInformation** operation.

[<3> Section 3.1.4.6:](#) Outlook 2003, Outlook 2007, and Outlook 2010 clients do not use the **IsUMEnabled** operation. For more details specific to the Outlook client implementation of voice mail settings, see [\[MS-OXOUM\]](#).

[<4> Section 3.1.4.7:](#) Exchange 2007 and Outlook 2007 do not use the PlayOnPhone2 operation.

## 8 Change Tracking

This section identifies changes made to [MS-OXWUMS] protocol documentation between November 2009 and February 2010 releases. Changes are classed as major, minor, or editorial.

**Major** changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- A protocol is deprecated.
- The removal of a document from the documentation set.
- Changes made for template compliance.

**Minor** changes do not affect protocol interoperability or implementation. Examples are updates to fix technical accuracy or ambiguity at the sentence, paragraph, or table level.

**Editorial** changes apply to grammatical, formatting, and style issues.

**No changes** means that the document is identical to its last release.

Major and minor changes can be described further using the following revision types:

- New content added.
- Content update.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.
- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.



- Content removed for template compliance.
- Obsolete document removed.

Editorial changes always have the revision type "Editorially updated."

Some important terms used in revision type descriptions are defined as follows:

**Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.

**Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

Changes are listed in the following table. If you need further information, please contact [protocol@microsoft.com](mailto:protocol@microsoft.com).

Section	Tracking number (if applicable) and description	Major change (Y or N)	Revision Type
<a href="#">1.1 Glossary</a>	49684 Added the term "Unified Messaging" to the list of terms that are defined in [MS-OXGLOS].	N	New content added.
<a href="#">1.1 Glossary</a>	50034 Updated the glossary reference to [MS-OXGLOS].	N	Content update.
<a href="#">1.1 Glossary</a>	50034 Added the term "SOAP message" to and removed the term "Simple Mail Transfer Protocol (SMTP)" from the list of terms that are defined in [MS-OXGLOS].	N	Content update.
<a href="#">1.3 Protocol Overview</a>	49684 Added a link to the term "Unified Messaging" and updated the content.	N	Content update.
<a href="#">2.2.2 Simple Types</a>	49672 Added a table that lists the simple types.	N	New content added.
<a href="#">2.2.2 Simple Types</a>	54023 Removed the table of simple types.	N	Content removed.
<a href="#">2.2.3 Complex Types</a>	49672 Added table of complex types.	N	Content update.
<a href="#">2.2.3 Complex Types</a>	54023 Removed the table entries of complex types that were removed from this document.	N	Content removed.
<a href="#">2.2.4 Elements</a>	49672 Updated the information for template conformance.	Y	Content update.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Major change (Y or N)</b>	<b>Revision Type</b>
<a href="#">2.2.4 Elements</a>	54023 Removed the table of elements.	N	Content removed.
<a href="#">2.2.8 Messages</a>	48045 Updated content to conform to template.	N	Content update.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Added an introductory sentence.	N	Content update.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Added a glossary term link to the terms "Unified Messaging" and "Out of Office (OOF)".	N	Content update.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	50033 Added information that identifies which Web service endpoint is applicable for each operation.	N	Content update.
<a href="#">3.1.4 Message Processing Events and Sequencing Rules</a>	Removed content for GetServiceConfiguration operation.	N	Content removed.
<a href="#">3.1.4.1 Disconnect Operation</a>	49679 Removed WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.1.2.1 DisconnectSoapIn Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.1.2.1 DisconnectSoapIn Message</a>	49679 Added the WSDL message syntax.	N	New content added.
<a href="#">3.1.4.1.2.2 DisconnectSoapOut Message</a>	Updated the introductory text and added a section reference for the Disconnect operation.	N	Content update.
<a href="#">3.1.4.1.2.2 DisconnectSoapOut Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.2 DisconnectPhoneCall Operation</a>	Updated the introductory sentence to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.2.2 Elements</a>	49672 Added XML schema elements definitions.	N	Content update.
<a href="#">3.1.4.3 GetCallInfo Operation</a>	49679 Removed WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.3.4.1 GetCallInfoSoapIn Message</a>	Updated the introductory text.	N	Content update.

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Major change (Y or N)</b>	<b>Revision Type</b>
<a href="#">3.1.4.3.4.1 GetCallInfoSoapIn Message</a>	49679 Added the WSDL message syntax.	N	New content added.
<a href="#">3.1.4.3.4.2 GetCallInfoSoapOut Message</a>	Updated the introductory text and added a link to the operation.	N	Content update.
<a href="#">3.1.4.3.4.2 GetCallInfoSoapOut Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.4 GetPhoneCallInformation Operation</a>	Updated the introductory sentence to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.5 GetUMProperties Operation</a>	Updated the introductory sentence to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.5 GetUMProperties Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.5.3.1 GetUMPropertiesSoapIn Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.5.3.1 GetUMPropertiesSoapIn Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.5.3.2 GetUMPropertiesSoapOut Message</a>	Updated the introductory text and added a section reference for the GetUMProperties operation.	N	Content update.
<a href="#">3.1.4.5.3.2 GetUMPropertiesSoapOut Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.6 IsUMEnabled Operation</a>	Updated the introductory text to specify the name of the operation and added a glossary term link for the term "Unified Messaging".	N	Content update.
<a href="#">3.1.4.6 IsUMEnabled Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.6.2.1 IsUMEnabledSoapIn Message</a>	Updated the introductory text and added a glossary term link for the term "Unified Messaging".	N	Content update.
<a href="#">3.1.4.6.2.1 IsUMEnabledSoapIn Message</a>	49679 Added the WSDL message syntax.	N	New content added.
<a href="#">3.1.4.6.2.2 IsUMEnabledSoapOut Message</a>	Updated the introductory text.	N	Content update.

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<a href="#">3.1.4.6.2.2</a> <a href="#">IsUMEnabledSoapOut Message</a>	49679 Added the WSDL message syntax.	N	New content added.
<a href="#">3.1.4.7</a> <a href="#">PlayOnPhone2 Operation</a>	Updated the introductory sentence to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.8</a> <a href="#">PlayOnPhone Operation</a>	Updated the introductory text to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.8</a> <a href="#">PlayOnPhone Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.8.2.1</a> <a href="#">PlayOnPhoneSoapIn Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.8.2.1</a> <a href="#">PlayOnPhoneSoapIn Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.8.2.2</a> <a href="#">PlayOnPhoneSoapOut Message</a>	Updated the introductory text and added a link to the operation.	N	Content update.
<a href="#">3.1.4.8.2.2</a> <a href="#">PlayOnPhoneSoapOut Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.9</a> <a href="#">PlayOnPhoneGreeting Operation</a>	Updated the introductory text to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.9</a> <a href="#">PlayOnPhoneGreeting Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.9.3.1</a> <a href="#">PlayOnPhoneGreetingSoapIn Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.9.3.2</a> <a href="#">PlayOnPhoneGreetingSoapOut Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.10</a> <a href="#">ResetPIN Operation</a>	Updated the introductory sentence to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.10</a> <a href="#">ResetPIN Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.10.2.1</a> <a href="#">ResetPINSoapIn Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.10.2.1</a>	49679	N	New

Section	Tracking number (if applicable) and description	Major change (Y or N)	Revision Type
<a href="#">ResetPINSoapIn Message</a>	Added the WSDL message syntax.		content added.
<a href="#">3.1.4.10.2.2 ResetPINSoapOut Message</a>	Updated the introductory text and added a link to the operation.	N	Content update.
<a href="#">3.1.4.10.2.2 ResetPINSoapOut Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.11 SetMissedCallNotificationEnabled Operation</a>	Updated the introductory sentence to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.11 SetMissedCallNotificationEnabled Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.11.2.1 SetMissedCallNotificationEnabledSoapIn Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.11.2.1 SetMissedCallNotificationEnabledSoapIn Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.11.2.2 SetMissedCallNotificationEnabledSoapOut Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.11.2.2 SetMissedCallNotificationEnabledSoapOut Message</a>	49679 Added the WSDL message syntax.	N	New content added.
<a href="#">3.1.4.12 SetOutOfStatus Operation</a>	Updated the introductory text to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.12 SetOutOfStatus Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.12.2.1 SetOutOfStatusSoapIn Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.12.2.1 SetOutOfStatusSoapIn Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.12.2.2 SetOutOfStatusSoapOut Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.12.2.2 SetOutOfStatusSoapOut Message</a>	49679 Added WSDL message syntax.	N	New content added.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Revision Type
<a href="#">3.1.4.13</a> <a href="#">SetPlayOnPhoneDialString Operation</a>	Updated the introductory text to specify the name of the operation.	N	Content update.
<a href="#">3.1.4.13</a> <a href="#">SetPlayOnPhoneDialString Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.13.2.1</a> <a href="#">SetPlayOnPhoneDialStringSoapIn Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.13.2.2</a> <a href="#">SetPlayOnPhoneDialStringSoapOut Message</a>	Updated the introductory text.	N	Content update.
<a href="#">3.1.4.13.2.2</a> <a href="#">SetPlayOnPhoneDialStringSoapOut Message</a>	49679 Added the WSDL message syntax.	N	New content added.
<a href="#">3.1.4.14</a> <a href="#">SetTelephoneAccessFolderEmail Operation</a>	Updated the introductory sentence to specify the name of the operation and added a glossary term link for the term "Unified Messaging".	N	Content update.
<a href="#">3.1.4.14</a> <a href="#">SetTelephoneAccessFolderEmail Operation</a>	49679 Removed the WSDL message syntax.	N	Content removed.
<a href="#">3.1.4.14.2.1</a> <a href="#">SetTelephoneAccessFolderEmailSoap In Message</a>	Updated the introductory text and added a glossary term link for the term "Unified Messaging".	N	Content update.
<a href="#">3.1.4.14.2.1</a> <a href="#">SetTelephoneAccessFolderEmailSoap In Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">3.1.4.14.2.2</a> <a href="#">SetTelephoneAccessFolderEmailSoap Out Message</a>	Updated the introductory text and added a link to the operation.	N	Content update.
<a href="#">3.1.4.14.2.2</a> <a href="#">SetTelephoneAccessFolderEmailSoap Out Message</a>	49679 Added WSDL message syntax.	N	New content added.
<a href="#">6</a> <a href="#">Appendix A: Full WSDL</a>	54023 Removed WSDL file and added table that describes the schema and WSDL files used for this protocol.	Y	Content update.
<a href="#">6.1</a> <a href="#">WSDL</a>	54023 Added updated WSDL.	Y	New content added.
<a href="#">6.2</a>	54023	Y	New

Section	Tracking number (if applicable) and description	Major change (Y or N)	Revision Type
<a href="#">Messages Schema</a>	Added updated Messages schema.		content added.
<a href="#">6.3 Types Schema</a>	54023 Added updated Types schema.	Y	New content added.
	54023 Deleted the following sections and the corresponding information in the WSDL file: GetServiceConfigurationSoapIn, GetServiceConfigurationSoapOut, GetServiceConfiguration operation, BaseRequestType, BaseEmailAddressType, BaseItemIdType, ConnectingSIDType, ExchangeVersionType, EmailAddressType, ExchangeImpersonation, ExchangeImpersonationType, MailboxCulture, MailboxCultureType, NonEmptyStringType, ResponseCodeType, ResponseMessageType, ResponseClassType, RequestServerVersion, ServerVersionInfo, BaseEmailAddressType, and ItemIdType. Deleted the following sections since the GetServiceConfiguration operation is not documented in this protocol but is documented in the MS-OXWCONFIG protocol: Simple Types, Complex Types, Elements, and Messages. Deleted the following sections and the corresponding information in the WSDL file since the global elements and types are documented in the MS-OXWCONFIG protocol: ServiceConfiguration, ServiceConfigurationType, ArrayOfServiceConfigurationResponseMessageType, ArrayOfServiceConfigurationType, GetServiceConfigurationResponseMessageType, GetServiceConfigurationType, ServiceConfigurationResponseMessageType, GetServiceConfiguration, GetServiceConfigurationResponse, and UnifiedMessageServiceConfiguration.	Y	Content removed.

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