[MS-OXWSCOS]:
Unified Contact Store Web Service Protocol

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Revision Summary

Date	Revision History	Revision Class	Comments
07/16/2012	0.1	New	Released new document.
10/08/2012	1.0	Major	Significantly changed the technical content.
02/11/2013	2.0	Major	Significantly changed the technical content.
07/26/2013	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
11/18/2013	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
02/10/2014	2.0	No change	No changes to the meaning, language, or formatting of the technical content.
04/30/2014	3.0	Major	Significantly changed the technical content.
07/31/2014	3.1	Minor	Clarified the meaning of the technical content.

Table of Contents

1   Introduction

The Unified Contact Store Web Service Protocol enables clients to use a **web service** to create, retrieve, update, and delete **instant messaging contacts (3)** and groups.

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in [RFC2119]. Sections 1.5 and 1.9 are also normative but does not contain those terms. All other sections and examples in this specification are informative.

1.1   Glossary

The following terms are defined in [MS-GLOS]:

>   **Active Directory object**
>   **Hypertext Transfer Protocol (HTTP)**
>   **Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)**
>   **SOAP**
>   **SOAP action**
>   **SOAP body**
>   **SOAP header**
>   **SOAP message**
>   **XML namespace**

The following terms are defined in [MS-OXGLOS]:

>   **contact**
>   **endpoint**
>   **instant messaging**
>   **mailbox**
>   **Session Initiation Protocol (SIP)**
>   **Simple Mail Transfer Protocol (SMTP)**
>   **Uniform Resource Identifier (URI)**
>   **web server**
>   **web service**
>   **Web Services Description Language (WSDL)**
>   **WSDL message**
>   **WSDL operation**
>   **WSDL port type**
>   **XML namespace prefix**
>   **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

References to Microsoft Open Specification documents do not include a publishing year because links are to the latest version of the documents, which are updated frequently. References to other documents include a publishing year when one is available.

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. We will assist you in finding the relevant information.

[MS-OXDSCLI] Microsoft Corporation, "Autodiscover Publishing and Lookup Protocol".

[MS-OXWSADISC] Microsoft Corporation, "Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol".

[MS-OXWSBTRF] Microsoft Corporation, "Bulk Transfer Web Service Protocol".

[MS-OXWSCDATA] Microsoft Corporation, "Common Web Service Data Types".

[MS-OXWSCORE] Microsoft Corporation, "Core Items Web Service Protocol".

[MS-OXWSPERS] Microsoft Corporation, "Persona Web Service Protocol".

[MS-OXWSXPROP] Microsoft Corporation, "Extended Properties Structure".

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

[RFC2616] Fielding, R., Gettys, J., Mogul, J., 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 Language", RFC 3066, January 2001, http://www.ietf.org/rfc/rfc3066.txt

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., 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

[WSIBASIC] Ballinger, K., Ehnebuske, D., Gudgin, M., et al., Eds., "Basic Profile Version 1.0", Final Material, April 2004, http://www.ws-i.org/Profiles/BasicProfile-1.0-2004-04-16.html

[XMLNS] Bray, T., Hollander, D., Layman, A., et al., Eds., "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation, December 2009, http://www.w3.org/TR/2009/REC-xml-names-20091208/

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

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

1.2.2   Informative References

[MS-GLOS] Microsoft Corporation, "Windows Protocols Master Glossary".

[MS-OXGLOS] Microsoft Corporation, "Exchange Server Protocols Master Glossary".

[MS-OXPROTO] Microsoft Corporation, "Exchange Server Protocols System Overview".

[MS-OXWSEDISC] Microsoft Corporation, "Electronic Discovery (eDiscovery) Web Service Protocol".

1.3 Overview

The Unified Contact Store is a centralized storage mechanism for contacts (3) for instant messaging clients. It provides two folders: ImContactList and QuickContacts. The ImContactList folder contains groups, which in turn contain contacts (3). In a typical contact list, a user-created distribution list represents the groups in the contact list. The contacts are stored in the QuickContacts folder. These contacts contain the information displayed in the contact list; for example, display name, instant messaging address, phone number, and so on.

The Unified Contact Store Web Service Protocol simplifies integration with the Unified Contact Store. This protocol provides operations for adding and removing instant messaging groups by adding and removing user-created distribution lists in the ImContactList folder. It also provides operations for adding, removing, and changing the group of a contact (3) in the instant messaging groups by adding or removing a contact in the QuickContact folder, and then modifying the membership in the user-created distribution list in the ImContactList folder. This enables instant messaging clients to store, access, and make changes to instant messaging contact lists without requiring additional calls and business logic.

1.4 Relationship to Other Protocols

A client that implements this protocol can use the Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol, as described in [MS-OXWSADISC], or the Autodiscover Publishing and Lookup Protocol, as described in [MS-OXDSCLI], to identify the target **endpoint (4)** to use for each operation.

This protocol uses **SOAP**, as described in [SOAP1.1], to specify the structure information that is exchanged between the client and the server. This protocol uses the **XML schema**, as described in [XMLSCHEMA1] and [XMLSCHEMA2], to describe the message content that is sent to and from the server.

This protocol uses SOAP over **HTTP**, as described in [RFC2616], and SOAP over **HTTPS**, as described in [RFC2818], as shown in the following layering diagram.
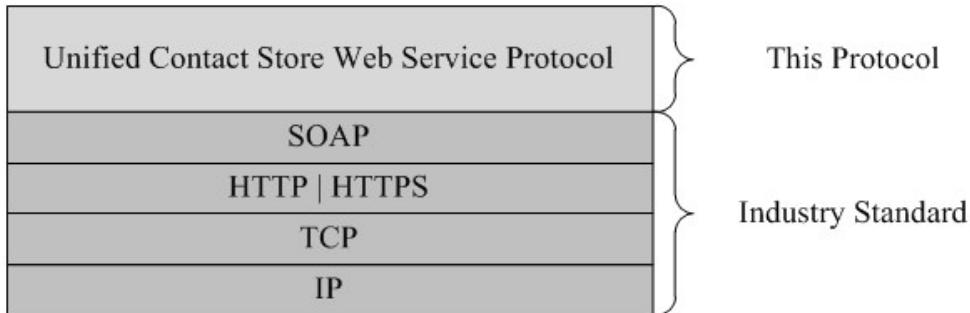
Figure 1: This protocol in relation to other protocols

The Electronic Discovery (eDiscovery) Web Service Protocol, as described in [MS-OXWSEDISC], uses the extended **Uniform Resource Identifier (URI)** information provided by this protocol.

This protocol uses information about personas provided by the Persona Web Service Protocol, as described in [MS-OXWSPERS].

For conceptual background information and overviews of the relationships and interactions between this and other protocols, see [MS-OXPROTO].

1.5 Prerequisites/Preconditions

The operations that this protocol defines cannot be accessed unless the correct endpoint (4) is identified in the HTTP web requests that target this protocol. This endpoint (4) URL is returned by either the Autodiscover Publishing Lookup SOAP-Based Web Service Protocol, as specified in [MS-OXWSADISC], or the Autodiscover Publishing and Lookup Protocol, as specified in [MS-OXDSCLI].

1.6 Applicability Statement

This protocol is applicable to environments that use web services to implement the Unified Contact Store. This protocol is applicable to all SOAP-based clients, as described in [SOAP1.1].

1.7 Versioning and Capability Negotiation

This document covers versioning issues in the following areas:

- **Supported Transports:** This protocol uses SOAP 1.1, as described in section 2.1.

- **Protocol Versions:** This protocol describes only one **WSDL port type** version. The **RequestServerVersion** element, as described in [MS-OXWSCDATA] section 2.2.4.7, identifies the WSDL port type version of the request. The **ServerVersionInfo** element, as described in [MS-OXWSCDATA] section 2.2.4.8, identifies the version of the server that is responding to the request.

- **Security and Authentication Methods:** This protocol relies on the **web server** that is hosting it to perform authentication.

- **Localization:** This protocol uses the **MailboxCulture** element, as described in [MS-OXWSCDATA] section 2.2.4.39, to specify the culture of a **mailbox**.

- **Capability Negotiation**: This protocol does not support version negotiation.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

2 Messages

In the following sections, the schema definition might differ from the processing rules imposed by the protocol. The **Web Services Description Language (WSDL)** in this specification provides a base description of the protocol. The schema in this specification provides a base description of the message syntax. The text that specifies the WSDL and schema might specify restrictions that reflect actual protocol behavior. For example, the schema definition might allow for an element to be empty, null, or not present but the behavior of the protocol as specified restricts the same elements to being non-empty, not null, or present.

2.1 Transport

This protocol uses SOAP 1.1, as specified in [SOAP1.1].

This protocol MUST support SOAP over HTTP, as specified in [RFC2616]. The protocol SHOULD use secure communications by means of HTTPS, as specified in [RFC2818].

2.2 Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses XML schema, as specified in [XMLSCHEMA1] and [XMLSCHEMA2], and WSDL, as specified 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
m	http://schemas.microsoft.com/exchange/services/2006/messages	
soap	http://schemas.xmlsoap.org/wsdl/soap/	[SOAP1.1]
t	http://schemas.microsoft.com/exchange/services/2006/types	
wsdl	http://schemas.xmlsoap.org/wsdl/	[WSDL]
wsi	http://ws-i.org/schemas/conformanceClaim/	[WSIBASIC]
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1] [XMLSCHEMA2]

2.2.2 Messages

This specification does not define any common **WSDL message** definitions.

2.2.3 Elements

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

2.2.4 Complex Types

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

Complex type	Description
ArrayOfImGroupType	The **ArrayOfImGroupType** complex type specifies an array of instant messaging groups.
ImGroupType	The **ImGroupType** complex type specifies an instant messaging group.
ImItemListType	The **ImItemListType** complex type specifies an array of groups of **ImGroupType** complex types and an array of personas.
NonEmptyArrayOfExtendedFieldURIs	The **NonEmptyArrayOfExtendedFieldURIs** complex type specifies an array of extended URIs.

2.2.4.1 ArrayOfImGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **ArrayOfImGroupType** complex type specifies an array of instant messaging groups.

```
<xs:complexType name="ArrayOfImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:choice minOccurs="0" maxOccurs="unbounded">
    <xs:element name="ImGroup" type="t:ImGroupType"/>
  </xs:choice>
</xs:complexType>
```

ImGroup: An element of type **ImGroupType**, as defined in section 2.2.4.2, that represents a single instant messaging group.

2.2.4.2 ImGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **ImGroupType** complex type specifies an instant messaging group.

```
<xs:complexType name="ImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
    <xs:element name="GroupType" type="t:NonEmptyStringType"/>
    <xs:element minOccurs="0" name="ExchangeStoreId" type="t:ItemIdType"/>
    <xs:element minOccurs="0" name="MemberCorrelationKey"
type="t:NonEmptyArrayOfItemIdsType"/>
    <xs:element minOccurs="0" name="ExtendedProperties"
type="t:NonEmptyArrayOfExtendedPropertyType"/>
    <xs:element minOccurs="0" name="SmtpAddress" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

DisplayName: A element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the display name for a new instant messaging group.

GroupType: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that identifies the group class. The following table lists the allowable values for this string.

Value	Description
IPM.DistList.MOC.Tagged	Represents the Tagged group.
IPM.DistList.MOC.OtherContacts	Represents the OtherContacts group.
IPM.DistList.MOC.UserGroup	Represents any user-created group that is not a distribution group.
IPM.DistList.MOC.DG	Represents any user-created distribution group.
IPM.DistList.MOC.Favorites	Represents the Favorites group.

The value can contain only one Tagged group, one OtherContacts group, and one Favorites group.

ExchangeStoreId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24,that represents the instant messaging group identifier.

MemberCorrelationKey: An element of type **NonEmptyArrayOfItemIdsType**, as defined in [MS-OXWSBTRF] section 3.1.4.1.3.4, that represents the identifiers of the contacts (3) that are part of the group.

ExtendedProperties: An element of type **NonEmptyArrayOfExtendedPropertyType**, as defined in [MS-OXWSXPROP] section 2.1.3, that contains an array of additional properties.

SmtpAddress: An element of type **xs:string**, as defined in [XMLSCHEMA2], that represents the **SMTP** address of the group.

2.2.4.3   ImItemListType

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **ImItemListType** complex type specifies an array of groups of **ImGroupType** complex types and an array of personas.

```
<xs:complexType name="ImItemListType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="Groups" type="t:ArrayOfImGroupType"/>
    <xs:element minOccurs="0" name="Personas" type="t:ArrayOfPeopleType"/>
  </xs:sequence>
</xs:complexType>
```

Groups: An element of type **ArrayOfImGroupType**, as defined in section 2.2.4.1, that represents an array of instant messaging groups.

Personas: An element of type **ArrayOfPeopleType**, as defined in [MS-OXWSPERS] section 3.1.4.1.3.4, that represents an array of contacts (3).

2.2.4.4   NonEmptyArrayOfExtendedFieldURIs

Namespace: http://schemas.microsoft.com/exchange/services/2006/types

The **NonEmptyArrayOfExtendedFieldURIs** complex type specifies an array of extended URIs.

```
<xs:complexType name="NonEmptyArrayOfExtendedFieldURIs"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:choice maxOccurs="unbounded">
    <xs:element name="ExtendedProperty" type="t:PathToExtendedFieldType"/>
  </xs:choice>
</xs:complexType>
```

ExtendedProperty: An element of type **PathToExtendedFieldType**, as defined in [MS-OXWSXPROP] section 2.1.6, that represents an extended property for the Unified Contact Store. Extended properties are typically private properties on contacts (3) that are used for application-specific functions.

2.2.5 Simple Types

This specification does not define any common XML schema simple type definitions.

2.2.6 Attributes

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

2.2.7 Groups

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

2.2.8 Attribute Groups

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

3 Protocol Details

The client side of this protocol is simply a pass-through. That is, 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

In the following sections, the schema definition might be less restrictive than the processing rules imposed by the protocol. The WSDL in this specification matches the WSDL that shipped with the product and provides a base description of the schema. The text that introduces the WSDL specifies additional restrictions that reflect actual Microsoft product behavior. For example, the schema definition might allow for an element to be empty, null, or not present but the behavior of the protocol as specified restricts the same elements to being non-empty, not null and present.

3.1 ExchangeServicePortType Server Details

This protocol defines a single WSDL port type and operations to manage instant messaging contacts and distribution groups.

3.1.1 Abstract Data Model

None.

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Message Processing Events and Sequencing Rules

The following table summarizes the list of operations as defined by this specification.

Operation	Description
AddDistributionGroupToImList	The **AddDistributionGroupToImList WSDL operation** creates a new instant messaging distribution group.
AddImContactToGroup	The **AddImContactToGroup** WSDL operation adds an existing contact (3) to an instant messaging group.
AddImGroup	The **AddImGroup** WSDL operation creates a new instant messaging group in a mailbox.
AddNewImContactToGroup	The **AddNewImContactToGroup** WSDL operation adds a new contact (3) to an instant messaging group.
AddNewTelUriContactToGroup	The **AddNewTelUriContactToGroup** WSDL operation adds a new TEL URI contact (3) to a group.
GetImItemList	The **GetImItemList** WSDL operation retrieves all data for instant messaging groups and contacts (3) in the contact list.
GetImItems	The **GetImItems** WSDL operation retrieves groups and

Operation	Description
	contacts (3) for the specified identifiers.
RemoveContactFromImList	The **RemoveContactFromImList** WSDL operation removes the specified contact (3) from all instant messaging groups.
RemoveDistributionGroupFromImList	The **RemoveDistributionGroupFromImList** WSDL operation removes a distribution group from an instant messaging list.
RemoveImContactFromGroup	The **RemoveImContactFromGroup** WSDL operation removes an instant messaging contact (3) from a group if the contact (3) is only a member of the specified group, excluding the Tagged group. If the Tagged group is the specified group, and the contact (3) is a member of the Tagged group only, the contact (3) is removed.
RemoveImGroup	The **RemoveImGroup** WSDL operation removes the instant messaging group and all the contacts (3) in the group. A contact (3) is deleted if it is a member of only the specified group, excluding the Tagged group. If the Tagged group is the specified group and the contact (3) is a member of the Tagged group only, the contact (3) is removed.
SetImGroup	The **SetImGroup** WSDL operation changes the display name of an instant messaging group.
SetImListMigrationCompleted	The **SetImListMigrationCompleted** WSDL operation indicates whether the instant messaging contacts (3) in a mailbox have been migrated to the server.

3.1.4.1   AddDistributionGroupToImList

The **AddDistributionGroupToImList** WSDL operation creates a new instant messaging distribution group.

The following is the WSDL port type specification of the **AddDistributionGroupToImList** WSDL operation.

```
<wsdl:operation name="AddDistributionGroupToImList"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
   <wsdl:input message="m:AddDistributionGroupToImListSoapIn"/>
   <wsdl:output message="m:AddDistributionGroupToImListSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **AddDistributionGroupToImList** WSDL operation.

```
<wsdl:operation name="AddDistributionGroupToImList"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
   <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddDistributionGroup
ToImList" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   <wsdl:input>
     <soap:header message="m:AddDistributionGroupToImListSoapIn" part="Impersonation"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
```

```
      <soap:header message="m:AddDistributionGroupToImListSoapIn" part="MailboxCulture"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
      <soap:header message="m:AddDistributionGroupToImListSoapIn" part="RequestVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
      <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" parts="AddDistributionGroupToImListResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
      <soap:header message="m:AddDistributionGroupToImListSoapOut" part="ServerVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    </wsdl:output>
</wsdl:operation>
```

This operation does not create a distribution group if a distribution group exists that has the same SMTP address.

The protocol client sends an **AddDistributionGroupToImListSoapIn** request WSDL message and the protocol server responds with an **AddDistributionGroupToImListSoapOut** response WSDL message.

3.1.4.1.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
AddDistributionGroupToImListSoapIn	Specifies the request to add a distribution group to the instant messaging list.
AddDistributionGroupToImListSoapOut	Specifies the response to the **AddDistributionGroupToImListSoapIn** request WSDL message.

3.1.4.1.1.1 AddDistributionGroupToImListSoapIn

The **AddDistributionGroupToImListSoapIn** WSDL message specifies the request to add a distribution group to the instant messaging list.

The following is the **AddDistributionGroupToImListSoapIn** WSDL message specification.

```
<wsdl:message name="AddDistributionGroupToImListSoapIn"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:AddDistributionGroupToImList"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **AddDistributionGroupToImListSoapIn** WSDL message is the input message for the **SOAP action**
http://schemas.microsoft.com/exchange/services/2006/messages/AddDistributionGroupToImList.

The parts of the **AddDistributionGroupToImListSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**AddDistributionGroupToImList**	Specifies the **SOAP body** of the request to add a distribution group.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a **SOAP header** that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** [MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use when accessing the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **AddDistributionGroupToImList** WSDL operation request.

3.1.4.1.1.2   AddDistributionGroupToImListSoapOut

The **AddDistributionGroupToImListSoapOut** WSDL message specifies the response to the **AddDistributionGroupToImListSoapIn** request WSDL message.

The following is the **AddDistributionGroupToImListSoapOut** WSDL message specification.

```
<wsdl:message name="AddDistributionGroupToImListSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="AddDistributionGroupToImListResult"
element="m:AddDistributionGroupToImListResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **AddDistributionGroupToImListSoapOut** WSDL message is the output message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/AddDistributionGroupToImList.

The parts of the **AddDistributionGroupToImListSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
AddDistributionGroupToImListResult	**AddDistributionGroupToImListResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **AddDistributionGroupToImList** WSDL operation request returns an **AddDistributionGroupToImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddDistributionGroupToImListResponse** element is set to "NoError".

If the **AddDistributionGroupToImList** WSDL operation is not successful, it returns an **AddDistributionGroupToImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddDistributionGroupToImListResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.1.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddDistributionGroupToImList	The input data for the **AddDistributionGroupToImList** WSDL operation.
AddDistributionGroupToImListResponse	The result data for the **AddDistributionGroupToImList** WSDL operation.

3.1.4.1.2.1 AddDistributionGroupToImList

The **AddDistributionGroupToImList** element specifies the input data for the **AddDistributionGroupToImList** WSDL operation.

```
<xs:element name="AddDistributionGroupToImList" type="m:AddDistributionGroupToImListType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.1.2.2 AddDistributionGroupToImListResponse

The **AddDistributionGroupToImListResponse** element specifies the result data for the **AddDistributionGroupToImList** WSDL operation.

```
<xs:element name="AddDistributionGroupToImListResponse"
type="m:AddDistributionGroupToImListResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.1.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
AddDistributionGroupToImListResponseMessageType	Specifies the response message for the **AddDistributionGroupToImList** operation.

Complex type	Description
AddDistributionGroupToImListType	Specifies a distribution group to be added to the instant messaging list.

3.1.4.1.3.1   AddDistributionGroupToImListType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddDistributionGroupToImListType** complex type specifies a distribution group to be added to the instant messaging list.

```
<xs:complexType name="AddDistributionGroupToImListType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="SmtpAddress" type="t:NonEmptyStringType"/>
        <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

SmtpAddress: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the SMTP address of the group.

DisplayName: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the display name of the group.

3.1.4.1.3.2   AddDistributionGroupToImListResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddDistributionGroupToImListResponseMessageType** complex type specifies the response message for the **AddDistributionGroupToImList** operation. The **AddDistributionGroupToImListResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="AddDistributionGroupToImListResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element minOccurs="0" name="ImGroup" type="t:ImGroupType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ImGroup: An element of type **ImGroupType**, as defined in section 2.2.4.2, that represents a single instant messaging group.

3.1.4.1.4 Simple Types

None.

3.1.4.1.5 Attributes

None.

3.1.4.1.6 Groups

None.

3.1.4.1.7 Attribute Groups

None.

3.1.4.2 AddImContactToGroup

The **AddImContactToGroup** WSDL operation adds an existing contact (3) to an instant messaging group.

The following is the WSDL port type specification of the **AddImContactToGroup** WSDL operation.

```
<wsdl:operation name="AddImContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
   <wsdl:input message="m:AddImContactToGroupSoapIn"/>
   <wsdl:output message="m:AddImContactToGroupSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **AddImContactToGroup** WSDL operation.

```
<wsdl:operation name="AddImContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
   <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddImContactToGroup"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   <wsdl:input>
     <soap:header message="m:AddImContactToGroupSoapIn" part="Impersonation" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:header message="m:AddImContactToGroupSoapIn" part="MailboxCulture" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:header message="m:AddImContactToGroupSoapIn" part="RequestVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   </wsdl:input>
   <wsdl:output>
     <soap:body use="literal" parts="AddImContactToGroupResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:header message="m:AddImContactToGroupSoapOut" part="ServerVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   </wsdl:output>
</wsdl:operation>
```

This operation accepts only existing contacts. The **AddNewImContactToGroup** (section 3.1.4.4) or the **AddNewTelUriContactToGroup** (section 3.1.4.5) operation can be used to add a new instant messaging contact (3) to the Unified Contact Store.

The protocol client sends an **AddImContactToGroupSoapIn** request WSDL message and the protocol server responds with an **AddImContactToGroupSoapOut** response WSDL message.

3.1.4.2.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
AddImContactToGroupSoapIn	Specifies the request to add an instant messaging contact (3) to a group.
AddImContactToGroupSoapOut	Specifies the response to the **AddImContactToGroupSoapIn** request WSDL message.

3.1.4.2.1.1 AddImContactToGroupSoapIn

The **AddImContactToGroupSoapIn** WSDL message specifies the request to add an instant messaging contact (3) to a group.

The following is the **AddImContactToGroupSoapIn** WSDL message specification.

```
<wsdl:message name="AddImContactToGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:AddImContactToGroup"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **AddImContactToGroupSoapIn** WSDL message is the input message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/AddImContactToGroup.

The parts of the **AddImContactToGroupSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**AddImContactToGroup**	Specifies the SOAP body of the request to add an instant messaging contact (3) to a group.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** [MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **AddImContactToGroup** WSDL operation request.

3.1.4.2.1.2 AddImContactToGroupSoapOut

The **AddImContactToGroupSoapOut** WSDL message specifies the response to the **AddImContactToGroupSoapIn** request WSDL message.

The following is the **AddImContactToGroupSoapOut** WSDL message specification.

```
<wsdl:message name="AddImContactToGroupSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="AddImContactToGroupResult" element="m:AddImContactToGroupResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **AddImContactToGroupSoapOut** WSDL message is the output message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/AddImContactToGroup.

The parts of the **AddImContactToGroupSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
AddImContactToGroupResult	**AddImContactToGroupResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **AddImContactToGroup** WSDL operation request returns an **AddImContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddImContactToGroupResponse** element is set to "NoError".

If the **AddImContactToGroup** WSDL operation is not successful, it returns an **AddImContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddImContactToGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.2.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddImContactToGroup	The input data for the **AddImContactToGroup** WSDL operation.
AddImContactToGroupResponse	The result data for the **AddImContactToGroup** WSDL operation.

3.1.4.2.2.1 AddImContactToGroup

The **AddImContactToGroup** element specifies the input data for the **AddImContactToGroup** WSDL operation.

```
<xs:element name="AddImContactToGroup" type="m:AddImContactToGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.2.2.2 AddImContactToGroupResponse

The **AddImContactToGroupResponse** element specifies the result data for the
AddImContactToGroup WSDL operation.

```
<xs:element name="AddImContactToGroupResponse"
type="m:AddImContactToGroupResponseMessageType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.2.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this
operation.

Complex type	Description
AddImContactToGroupResponseMessageType	Specifies the response message for the **AddImContactToGroup** operation.
AddImContactToGroupType	Specifies a request to add an instant messaging contact (3) to a group.

3.1.4.2.3.1 AddImContactToGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddImContactToGroupType** complex type specifies a request to add an instant messaging
contact (3) to a group. The **AddImContactToGroupType** complex type extends the
BaseRequestType complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="AddImContactToGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ContactId" type="t:ItemIdType"/>
        <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ContactId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that
represents the identifier of the contact (3).

GroupId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that
represents the identifier of the group.

3.1.4.2.3.2 AddImContactToGroupResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddImContactToGroupResponseMessageType** complex type specifies the response message for the **AddImContactToGroup** operation. The **AddImContactToGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="AddImContactToGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
```

3.1.4.2.4   Simple Types

None.

3.1.4.2.5   Attributes

None.

3.1.4.2.6   Groups

None.

3.1.4.2.7   Attribute Groups

None.

3.1.4.3   AddImGroup

The **AddImGroup** WSDL operation creates a new instant messaging group in a mailbox.

The following is the WSDL port type specification of the **AddImGroup** WSDL operation.

```
<wsdl:operation name="AddImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:AddImGroupSoapIn"/>
  <wsdl:output message="m:AddImGroupSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **AddImGroup** WSDL operation.

```
<wsdl:operation name="AddImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddImGroup"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:AddImGroupSoapIn" part="Impersonation" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:AddImGroupSoapIn" part="MailboxCulture" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:AddImGroupSoapIn" part="RequestVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
```

```
   <wsdl:output>
     <soap:body use="literal" parts="AddImGroupResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:header message="m:AddImGroupSoapOut" part="ServerVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   </wsdl:output>
 </wsdl:operation>
```

This operation takes only a single display name parameter. This operation returns the display name, group type, and store identifier of the new group.

If an instant messaging group with the same display name exists, this operation returns information about that group. The operation fails if the maximum 64 groups already exist, excluding Tagged, OtherContacts, and Favorites groups.

The protocol client sends an **AddImGroupSoapIn** request WSDL message and the protocol server responds with an **AddImGroupSoapIn** response.

3.1.4.3.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
AddImGroupSoapIn	Specifies the request to add an instant messaging group.
AddImGroupSoapOut	Specifies the response to the **AddImGroupSoapIn** request WSDL message.

3.1.4.3.1.1 AddImGroupSoapIn

The **AddImGroupSoapIn** WSDL message specifies the request to add an instant messaging group.

The following is the **AddImGroupSoapIn** WSDL message specification.

```
<wsdl:message name="AddImGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:AddImGroup"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **AddImGroupSoapIn** WSDL message is the input message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/AddImGroup.

The parts of the **AddImGroupSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**AddImGroup**	Specifies the SOAP body of the request to add an instant messaging group.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section	Specifies a SOAP header that identifies the user whom the client is impersonating.

Part name	Element/type	Description
	2.2.3.3)	
MailboxCulture	MailboxCulture ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	RequestServerVersion ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **AddImGroup** WSDL operation request.

3.1.4.3.1.2 AddImGroupSoapOut

The **AddImGroupSoapOut** WSDL message specifies the response to the **AddImGroupSoapIn** request WSDL message.

The following is the **AddImGroupSoapOut** WSDL message specification.

```
<wsdl:message name="AddImGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="AddImGroupResult" element="m:AddImGroupResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **AddImGroupSoapOut** WSDL message is the output message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/AddImGroup.

The parts of the **AddImGroupSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
AddImGroupResult	AddImGroupResponse	Specifies the SOAP body of the response.
ServerVersion	ServerVersionInfo ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **AddImGroup** WSDL operation request returns an **AddImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddImGroupResponse** element is set to "NoError".

If the **AddImGroup** WSDL operation is not successful, it returns an **AddImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddImGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.3.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddImGroup	The input data for the **AddImGroup** WSDL operation.
AddImGroupResponse	The result data for the **AddImGroup** WSDL operation.

3.1.4.3.2.1 AddImGroup

The **AddImGroup** element specifies the input data for the **AddImGroup** WSDL operation.

```
<xs:element name="AddImGroup" type="m:AddImGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.3.2.2 AddImGroupResponse

The **AddImGroupResponse** element specifies the result data for the **AddImGroup** WSDL operation.

```
<xs:element name="AddImGroupResponse" type="m:AddImGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.3.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
AddImGroupResponseMessageType	Specifies the response message for the **AddImGoup** WSDL operation.
AddImGroupType	Specifies a request to add an instant messaging group.

3.1.4.3.3.1 AddImGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddImGroupType** complex type specifies a request to add an instant messaging group. The **AddImGroupType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="AddImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

DisplayName: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the display name of the contact (3).

3.1.4.3.3.2 AddImGroupResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddImGroupResponseMessageType** complex type specifies the response message for the **AddImGoup** WSDL operation. The **AddImGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="AddImGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element minOccurs="0" name="ImGroup" type="t:ImGroupType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ImGroup: An element of type **ImGroupType**, as defined in section 2.2.4.2, that represents a single instant messaging group.

3.1.4.3.4 Simple Types

None.

3.1.4.3.5 Attributes

None.

3.1.4.3.6 Groups

None.

3.1.4.3.7 Attribute Groups

None.

3.1.4.4 AddNewImContactToGroup

The **AddNewImContactToGroup** WSDL operation adds a new contact (3) to an instant messaging group.

The following is the WSDL port type specification of the **AddNewImContactToGroup** WSDL operation.

```
<wsdl:operation name="AddNewImContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:AddNewImContactToGroupSoapIn"/>
  <wsdl:output message="m:AddNewImContactToGroupSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **AddNewImContactToGroup** WSDL operation.

```
<wsdl:operation name="AddNewImContactToGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddNewImContactToGro
up" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:AddNewImContactToGroupSoapIn" part="Impersonation" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:AddNewImContactToGroupSoapIn" part="MailboxCulture" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:AddNewImContactToGroupSoapIn" part="RequestVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" parts="AddNewImContactToGroupResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:AddNewImContactToGroupSoapOut" part="ServerVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:output>
</wsdl:operation>
```

If the group contains more than the maximum 1000 contacts (3), this operation fails and **ErrorImContactLimitReached** (as specified in [MS-OXWSCDATA] section 2.2.5.23) will be returned. If a contact (3) already exists that has the same instant messaging address, this operation does nothing.

The protocol client sends an **AddNewImContactToGroupSoapIn** request WSDL message and the protocol server responds with an **AddNewImContactToGroupSoapOut** response WSDL message.

3.1.4.4.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
AddNewImContactToGroupSoapIn	Specifies the request to add a new instant messaging contact (3) to a group.
AddNewImContactToGroupSoapOut	Specifies the response to the **AddNewImContactToGroupSoapIn** request WSDL message.

3.1.4.4.1.1 AddNewImContactToGroupSoapIn

The **AddNewImContactToGroupSoapIn** WSDL message specifies the request to add a new instant messaging contact (3) to a group.

The following is the **AddNewImContactToGroupSoapIn** WSDL message specification.

```
<wsdl:message name="AddNewImContactToGroupSoapIn"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:AddNewImContactToGroup"/>
```

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

The **AddNewImContactToGroupSoapIn** WSDL message is the input message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/AddNewImContactToGroup.

The parts of the **AddNewImContactToGroupSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**AddNewImContactToGroup**	Specifies the SOAP body of the request to add an instant messaging contact (3) to a group.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **AddNewImContactToGroup** WSDL operation request.

3.1.4.4.1.2   AddNewImContactToGroupSoapOut

The **AddNewImContactToGroupSoapOut** WSDL message specifies the response to the **AddNewImContactToGroupSoapIn** request WSDL message.

The following is the **AddNewImContactToGroupSoapOut** WSDL message specification.

```
<wsdl:message name="AddNewImContactToGroupSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="AddNewImContactToGroupResult" element="m:AddNewImContactToGroupResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **AddNewImContactToGroupSoapOut** WSDL message is the output message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/AddNewImContactToGroup.

The parts of the **AddNewImContactToGroupSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
AddNewImContactToGroupResult	**AddNewImContactToGroupResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo**	Specifies a SOAP header that identifies

Part name	Element/type	Description
	([MS-OXWSCDATA] section 2.2.3.10)	the server version for the response.

A successful **AddNewImContactToGroup** WSDL operation request returns an **AddNewImContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddNewImContactToGroupResponse** element is set to "NoError".

If the **AddNewImContactToGroup** WSDL operation is not successful, it returns an **AddNewImContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddNewImContactToGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.4.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddNewImContactToGroup	The input data for the **AddNewImContactToGroup** WSDL operation.
AddNewImContactToGroupResponse	The result data for the **AddNewImContactToGroup** WSDL operation.

3.1.4.4.2.1 AddNewImContactToGroup

The **AddNewImContactToGroup** element specifies the input data for the **AddNewImContactToGroup** WSDL operation.

```
<xs:element name="AddNewImContactToGroup" type="m:AddNewImContactToGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.4.2.2 AddNewImContactToGroupResponse

The **AddNewImContactToGroupResponse** element specifies the result data for the **AddNewImContactToGroup** WSDL operation.

```
<xs:element name="AddNewImContactToGroupResponse"
type="m:AddNewImContactToGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.4.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
AddNewImContactToGroupResponseMessageType	Specifies the response message for an **AddNewImContactToGroup** WSDL operation.
AddNewImContactToGroupType	Specifies a request to add a new instant messaging contact (3) to a group.

3.1.4.4.3.1 AddNewImContactToGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddNewImContactToGroupType** complex type specifies a request to add a new instant messaging contact (3) to a group. The **AddNewImContactToGroupType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="AddNewImContactToGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ImAddress" type="t:NonEmptyStringType"/>
        <xs:element minOccurs="0" name="DisplayName" type="t:NonEmptyStringType"/>
        <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ImAddress: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the instant messaging address of the contact (3).

DisplayName: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the display name of the contact (3).

GroupId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that represents the identifier of the group. If this element is not specified, the contact is added to the OtherContacts group.

3.1.4.4.3.2 AddNewImContactToGroupResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddnewImContactToGroupResponseMessageType** complex type specifies the response message for an **AddNewImContactToGroup** WSDL operation. The **AddNewImContactToGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="AddNewImContactToGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element minOccurs="0" name="Persona" type="t:PersonaType"/>
      </xs:sequence>
    </xs:extension>
```

```
    </xs:complexContent>
  </xs:complexType>
```

Persona: An element of type **PersonaType**, as specified in [MS-OXWSPERS] section 2.2.4.19, that represents an instant messaging contact (3).

3.1.4.4.4 Simple Types

None.

3.1.4.4.5 Attributes

None.

3.1.4.4.6 Groups

None.

3.1.4.4.7 Attribute Groups

None.

3.1.4.5 AddNewTelUriContactToGroup

The **AddNewTelUriContactToGroup** WSDL operation adds a new TEL URI contact (3) to a group.

The following is the WSDL port type specification of the **AddNewTelUriContactToGroup** WSDL operation.

```
<wsdl:operation name="AddNewTelUriContactToGroup"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:AddNewTelUriContactToGroupSoapIn"/>
  <wsdl:output message="m:AddNewTelUriContactToGroupSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **AddNewTelUriContactToGroup** WSDL operation.

```
<wsdl:operation name="AddNewTelUriContactToGroup"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddNewTelUriContactT
oGroup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:AddNewTelUriContactToGroupSoapIn" part="Impersonation"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:AddNewTelUriContactToGroupSoapIn" part="MailboxCulture"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:AddNewTelUriContactToGroupSoapIn" part="RequestVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
```

```
     <soap:body use="literal" parts="AddNewTelUriContactToGroupResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:header message="m:AddNewTelUriContactToGroupSoapOut" part="ServerVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   </wsdl:output>
</wsdl:operation>
```

The protocol client sends an **AddNewTelUriContactToGroupSoapIn** request WSDL message and the protocol server responds with an **AddNewTelUriContactToGroupSoapOut** response WSDL message.

This operation fails and **ErrorImContactLimitReached** (as specified in [MS-OXWSCDATA] section 2.2.5.23) will be returned if the maximum 1000 contacts (3) already exist and none of them has the same TEL URI address with the new added contact (3).

3.1.4.5.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
AddNewTelUriContactToGroupSoapIn	Specifies the request to add a new TEL URI contact (3) to a group.
AddNewTelUriContactToGroupSoapOut	Specifies the response to the **AddNewTelUriContactToGroupSoapIn** request WSDL message.

3.1.4.5.1.1 AddNewTelUriContactToGroupSoapIn

The **AddNewTelUriContactToGroupSoapIn** WSDL message specifies the request to add a new TEL URI contact (3) to a group.

The following is the **AddNewTelUriContactToGroupSoapIn** WSDL message specification.

```
<wsdl:message name="AddNewTelUriContactToGroupSoapIn"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:AddNewTelUriContactToGroup"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **AddNewTelUriContactToGroupSoapIn** WSDL message is the input message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/AddNewTelUriContactToGroup.

The parts of the **AddNewTelUriContactToGroupSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**AddNewTelUriContactToGroup**	Specifies the SOAP body of the request to add a

Part name	Element/type	Description
		new TEL URI contact (3).
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **AddNewTelUriContactToGroup** WSDL operation request.

3.1.4.5.1.2   AddNewTelUriContactToGroupSoapOut

The **AddNewTelUriContactToGroupSoapOut** WSDL message specifies the response to the **AddNewTelUriContactToGroupSoapIn** request WSDL message.

The following is the **AddNewTelUriContactToGroupSoapOut** WSDL message specification.

```
<wsdl:message name="AddNewTelUriContactToGroupSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="AddNewTelUriContactToGroupResult"
element="m:AddNewTelUriContactToGroupResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **AddNewTelUriContactToGroupSoapOut** WSDL message is the output message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/AddNewTelUriContactToGroup.

The parts of the **AddNewTelUriContactToGroupSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
AddNewTelUriContactToGroupResult	**AddNewTelUriContactToGroupResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **AddNewTelUriContactToGroup** WSDL operation request returns an **AddNewTelUriContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddNewTelUriContactToGroupResponse** element is set to "NoError".

If the **AddNewTelUriContactToGroup** WSDL operation is not successful, it returns an **AddNewTelUriContactToGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **AddNewTelUriContactToGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.5.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
AddNewTelUriContactToGroup	The input data for the **AddNewTelUriContactToGroup** WSDL operation.
AddNewTelUriContactToGroupResponse	The result data for the **AddNewTelUriContactToGroup** WSDL operation.

3.1.4.5.2.1 AddNewTelUriContactToGroup

The **AddNewTelUriContactToGroup** element specifies the input data for the **AddNewTelUriContactToGroup** WSDL operation.

```
<xs:element name="AddNewTelUriContactToGroup" type="m:AddNewTelUriContactToGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.5.2.2 AddNewTelUriContactToGroupResponse

The **AddNewTelUriContactToGroupResponse** element specifies the result data for the **AddNewTelUriContactToGroup** WSDL operation.

```
<xs:element name="AddNewTelUriContactToGroupResponse"
type="m:AddNewTelUriContactToGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.5.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
AddNewTelUriContactToGroupResponseMessageType	Specifies the response message for an **AddNewTelUriContactToGroup** WSDL operation.
AddNewTelUriContactToGroupType	Specifies a request to add a new TEL URI contact (3) to a group.

3.1.4.5.3.1 AddNewTelUriContactToGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddNewTelUriContactToGroupType** complex type specifies a request to add a new contact (3) to a group. The **AddNewTelUriContactToGroupType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="AddNewTelUriContactToGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="TelUriAddress" type="t:NonEmptyStringType"/>
        <xs:element name="ImContactSipUriAddress" type="t:NonEmptyStringType"/>
        <xs:element name="ImTelephoneNumber" type="t:NonEmptyStringType"/>
        <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

TelUriAddress: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the TEL URI address of the contact (3).

ImContactSipUriAddress: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the **SIP** URI address of the contact.

ImTelephoneNumber: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the telephone number for the contact.

GroupId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that represents the identifier of the group. If this element is not specified, the contact is added to the OtherContacts group.

3.1.4.5.3.2   AddNewTelUriContactToGroupResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **AddNewTelUriContactToGroupResponseMessageType** complex type specifies the response message for an **AddNewImTelUriContactToGroup** WSDL operation. The **AddNewTelUriContactToGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="AddNewTelUriContactToGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element minOccurs="0" name="Persona" type="t:PersonaType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Persona: An element of type **PersonaType**, as defined in [MS-OXWSPERS] section 2.2.4.19, that represents the TEL URI contact (3).

3.1.4.5.4 Simple Types

None.

3.1.4.5.5 Attributes

None.

3.1.4.5.6 Groups

None.

3.1.4.5.7 Attribute Groups

None.

3.1.4.6 GetImItemList

The **GetImItemList** WSDL operation retrieves all data for instant messaging groups and contacts (3) in the contact list.

The following is the WSDL port type specification of the **GetImItemList** WSDL operation.

```
<wsdl:operation name="GetImItemList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:GetImItemListSoapIn"/>
  <wsdl:output message="m:GetImItemListSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **GetImItemList** WSDL operation.

```
<wsdl:operation name="GetImItemList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetImItemList"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:GetImItemListSoapIn" part="Impersonation" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:GetImItemListSoapIn" part="MailboxCulture" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:GetImItemListSoapIn" part="RequestVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" parts="GetImItemListResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:GetImItemListSoapOut" part="ServerVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:output>
</wsdl:operation>
```

This operation will not return contact (3) groups in the ImContactList folder if the user manually creates a group that is not recognized. This operation will not return contacts (3) in the QuickContacts folder that are not members of any of the groups in the ImContactList folder that are returned.

The protocol client sends a **GetImItemListSoapIn** request WSDL message and the protocol server responds with a **GetImItemListSoapOut** response WSDL message.

3.1.4.6.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetImItemListSoapIn	Specifies the request to retrieve an instant messaging item list.
GetImItemListSoapOut	Specifies the response to the **GetItemListSoapIn** request WSDL message.

3.1.4.6.1.1 GetImItemListSoapIn

The **GetImItemListSoapIn** WSDL message specifies the request to retrieve an instant messaging item list.

The following is the **GetImItemListSoapIn** WSDL message specification.

```
<wsdl:message name="GetImItemListSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:GetImItemList"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **GetImItemListSoapIn** WSDL message is the input message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/GetImItemList.

The parts of the **GetImItemListSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**GetImItemList**	Specifies the SOAP body of the request to retrieve an instant messaging item list.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **GetImItemList** WSDL operation request.

3.1.4.6.1.2 GetImItemListSoapOut

The **GetImItemListSoapOut** WSDL message specifies the response to the **GetItemListSoapIn** request WSDL message.

The following is the **GetImItemListSoapOut** WSDL message specification.

```
<wsdl:message name="GetImItemListSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="GetImItemListResult" element="m:GetImItemListResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **GetImItemListSoapOut** WSDL message is the output message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/GetImItemList.

The parts of the **GetImItemListSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
GetImItemListResult	**GetImItemListResponse**	Specifies the SOAP body of the response that contains the requested information.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **GetImItemList** operation request returns a **GetImItemListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **GetImItemListResponse** element is set to "NoError".

If the **GetImItemList** operation is not successful, it returns a **GetImItemListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **GetImItemListResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.6.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetImItemList	The input data for the **GetImItemList** WSDL operation.
GetImItemListResponse	The result data for the **GetImItemList** WSDL operation.

3.1.4.6.2.1 GetImItemList

The **GetImItemList** element specifies the input data for the **GetImItemList** WSDL operation.

```
<xs:element name="GetImItemList" type="m:GetImItemListType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.6.2.2 GetImItemListResponse

The **GetImItemListResponse** element specifies the result data for the **GetImItemList** WSDL operation.

```
<xs:element name="GetImItemListResponse" type="m:GetImItemListResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.6.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
GetImItemListResponseMessageType	Specifies the response message for a **GetImItemList** WSDL operation.
GetImItemListType	Specifies a request to retrieve an instant messaging item list.

3.1.4.6.3.1 GetImItemListType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **GetImItemListType** complex type specifies a request to retrieve an instant messaging item list. The **GetImItemListType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="GetImItemListType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element minOccurs="0" name="ExtendedProperties"
type="t:NonEmptyArrayOfExtendedFieldURIs"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ExtendedProperties: An element of type **NonEmptyArrayOfExtendedFieldURIs**, as defined in section 2.2.4.4, that contains an array of additional properties.

3.1.4.6.3.2 GetImItemListResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **GetImItemListResponseMessageType** complex type specifies the response message for a **GetImItemList** WSDL operation. The **GetImItemListResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="GetImItemListResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
```

```
       <xs:extension base="m:ResponseMessageType">
         <xs:sequence>
           <xs:element minOccurs="0" name="ImItemList" type="t:ImItemListType"/>
         </xs:sequence>
       </xs:extension>
     </xs:complexContent>
   </xs:complexType>
```

ImItemList: An element of type **ImItemListType**, as defined in section 2.2.4.3, that represents a list of instant messaging contacts (3).

3.1.4.6.4 Simple Types

None.

3.1.4.6.5 Attributes

None.

3.1.4.6.6 Groups

None.

3.1.4.6.7 Attribute Groups

None.

3.1.4.7 GetImItems

The **GetImItems** WSDL operation retrieves groups and contacts (3) for the specified identifiers.

The following is the WSDL port type specification of the **GetImItems** WSDL operation.

```
<wsdl:operation name="GetImItems" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:GetImItemsSoapIn"/>
  <wsdl:output message="m:GetImItemsSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **GetImItems** WSDL operation.

```
<wsdl:operation name="GetImItems" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetImItems"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:GetImItemsSoapIn" part="Impersonation" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:GetImItemsSoapIn" part="MailboxCulture" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:GetImItemsSoapIn" part="RequestVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
```

```
      <soap:body use="literal" parts="GetImItemsResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
      <soap:header message="m:GetImItemsSoapOut" part="ServerVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    </wsdl:output>
</wsdl:operation>
```

The protocol client sends a **GetImItemsSoapIn** request WSDL message and the protocol server responds with a **GetImItemListsSoapOut** response WSDL message.

3.1.4.7.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
GetImItemsSoapIn	Specifies the request to retrieve instant messaging items.
GetImItemsSoapOut	Specifies the response to the **GetImItemsSoapIn** request WSDL message.

3.1.4.7.1.1 GetImItemsSoapIn

The **GetImItemsSoapIn** WSDL message specifies the request to retrieve instant messaging items.

The following is the **GetImItemsSoapIn** WSDL message specification.

```
<wsdl:message name="GetImItemsSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:GetImItems"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **GetImItemsSoapIn** WSDL message is the input message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/GetImItems.

The parts of the **GetImItemsSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**GetImItems**	Specifies the SOAP body of the request to retrieve instant messaging items.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section	Specifies a SOAP header that identifies the schema version for the **GetImItems** WSDL operation

Part name	Element/type	Description
	2.2.3.9)	request.

3.1.4.7.1.2   GetImItemsSoapOut

The **GetImItemsSoapOut** WSDL message specifies the response to the **GetImItemsSoapIn** request WSDL message.

The following is the **GetImItemsSoapOut** WSDL message specification.

```
<wsdl:message name="GetImItemsSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="GetImItemsResult" element="m:GetImItemsResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **GetImItemsSoapOut** WSDL message is the output message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/GetImItems.

The parts of the **GetImItemsSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
GetImItemsResult	**GetImItemsResponse**	Specifies the SOAP body of the response that contains the requested information.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **GetImItems** WSDL operation request returns a **GetImItemsResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **GetImItemsResponse** element is set to "NoError".

If the **GetImItems** WSDL operation is not successful, it returns a **GetImItemsResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **GetImItemsResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.7.2   Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
GetImItems	The input data for the **GetImItems** WSDL operation.
GetImItemsResponse	The result data for the **GetImItems** WSDL operation.

3.1.4.7.2.1 GetImItems

The **GetImItems** element specifies the input data for the **GetImItems** WSDL operation.

```
<xs:element name="GetImItems" type="m:GetImItemsType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.7.2.2 GetImItemsResponse

The **GetImItemsResponse** element specifies the result data for the **GetImItems** WSDL operation.

```
<xs:element name="GetImItemsResponse" type="m:GetImItemsResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.7.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
GetImItemsResponseMessageType	Specifies the response message for the **GetImItems** WSDL operation.
GetImItemsType	Specifies a request to retrieve instant messaging items.

3.1.4.7.3.1 GetImItemsType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **GetImItemsType** complex type specifies a request to retrieve instant messaging items. The **GetImItemsType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="GetImItemsType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element minOccurs="0" name="ContactIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
        <xs:element minOccurs="0" name="GroupIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
        <xs:element minOccurs="0" name="ExtendedProperties"
type="t:NonEmptyArrayOfExtendedFieldURIs"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ContactIds: An element of type **NonEmptyArrayOfBaseItemIdsType**, as defined in[MS-OXWSCORE] section 2.2.4.28, that represents the identifiers of the contacts (3).

GroupIds: An element of type **NonEmptyArrayOfBaseItemIdsType**, as defined in [MS-OXWSCORE] section 2.2.4.28, that represents the identifiers of the groups.

ExtendedProperties: An element of type **NonEmptyArrayOfExtendedFieldURIs**, as defined in section 2.2.4.4, that contains an array of additional properties for the contacts (3) or the groups.

3.1.4.7.3.2 GetImItemsResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **GetImItemsResponseMessageType** complex type specifies the response message for the **GetImItems** WSDL operation. The **GetImItemsResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="GetImItemsResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element minOccurs="0" name="ImItemList" type="t:ImItemListType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ImItemList: An element of type **ImItemListType**, as defined in section 2.2.4.3, that represents a list of instant messaging contacts (3).

3.1.4.7.4 Simple Types

None.

3.1.4.7.5 Attributes

None.

3.1.4.7.6 Groups

None.

3.1.4.7.7 Attribute Groups

None.

3.1.4.8 RemoveContactFromImList

The **RemoveContactFromImList** WSDL operation removes the specified contact (3) from all instant messaging groups.

The following is the WSDL port type specification of the **RemoveContactFromImList** WSDL operation.

```
<wsdl:operation name="RemoveContactFromImList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:RemoveContactFromImListSoapIn"/>
  <wsdl:output message="m:RemoveContactFromImListSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **RemoveContactFromImList** WSDL operation.

```
<wsdl:operation name="RemoveContactFromImList" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveContactFromImL
ist" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:RemoveContactFromImListSoapIn" part="Impersonation" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveContactFromImListSoapIn" part="MailboxCulture"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveContactFromImListSoapIn" part="RequestVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" parts="RemoveContactFromImListResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveContactFromImListSoapOut" part="ServerVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:output>
</wsdl:operation>
```

The protocol client sends a **RemoveContactFromImListSoapIn** request WSDL message and the protocol server responds with a **RemoveContactFromImListSoapOut** response WSDL message.

3.1.4.8.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
RemoveContactFromImListSoapIn	Specifies the request to remove a contact (3) from the instant messaging list.
RemoveContactFromImListSoapOut	Specifies the response to the **RemoveContactFromImListSoapIn** request WSDL message.

3.1.4.8.1.1 RemoveContactFromImListSoapIn

The **RemoveContactFromImListSoapIn** WSDL message specifies the request to remove a contact from the instant messaging list.

The following is the **RemoveContactFromImListSoapIn** WSDL message specification.

```
<wsdl:message name="RemoveContactFromImListSoapIn"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:RemoveContactFromImList"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **RemoveContactFromImListSoapIn** WSDL message is the input message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/RemoveContactFromImList.

The parts of the **RemoveContactFromImListSoapIn** WSDL message are described in the
following table.

Part name	Element/type	Description
request	**RemoveContactFromImList**	Specifies the SOAP body of the request to remove a contact (3).
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **RemoveContactFromImList** WSDL operation request.

3.1.4.8.1.2   RemoveContactFromImListSoapOut

The **RemoveContactFromImListSoapOut** WSDL message specifies the response to the
RemoveContactFromImListSoapIn request WSDL message.

The following is the **RemoveContactFromImListSoapOut** WSDL message specification.

```
<wsdl:message name="RemoveContactFromImListSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="RemoveContactFromImListResult"
element="m:RemoveContactFromImListResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **RemoveContactFromImListSoapOut** WSDL message is the output message for the SOAP
action
http://schemas.microsoft.com/exchange/services/2006/messages/RemoveContactFromImList.

The parts of the **RemoveContactFromImListSoapOut** WSDL message are described in the
following table.

Part name	Element/type	Description
RemoveContactFromImListResult	**RemoveContactFromImListResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **RemoveContactFromImList** WSDL operation request returns a
RemoveContactFromImListResponse element with the **ResponseClass** (as specified in [MS-

OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **RemoveContactFromImListResponse** element is set to "NoError".

If the **RemoveContactFromImList** operation is not successful, it returns a **RemoveContactFromImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **RemoveContactFromImListResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.8.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
RemoveContactFromImList	The input data for the **RemoveContactFromImList** WSDL operation.
RemoveContactFromImListResponse	The result data for the **RemoveContactFromImList** WSDL operation.

3.1.4.8.2.1 RemoveContactFromImList

The **RemoveContactFromImList** element specifies the input data for the **RemoveContactFromImList** WSDL operation.

```
<xs:element name="RemoveContactFromImList" type="m:RemoveContactFromImListType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.8.2.2 RemoveContactFromImListResponse

The **RemoveContactFromImListResponse** element specifies the result data for the **RemoveContactFromImList** WSDL operation.

```
<xs:element name="RemoveContactFromImListResponse"
type="m:RemoveContactFromImListResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.8.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
RemoveContactFromImListResponseMessageType	Specifies the response message for a **RemoveContactFromImList** WSDL operation.
RemoveContactFromImListType	Specifies a request to remove a contact (3) from an instant messaging list.

3.1.4.8.3.1 RemoveContactFromImListType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **RemoveContactFromImListType** complex type specifies a request to remove a contact (3) from an instant messaging list. The **RemoveContactFromImListType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="RemoveContactFromImListType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ContactId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ContactId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that represents the identifier of the contact (3).

3.1.4.8.3.2 RemoveContactFromImListResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **RemoveContactFromImListResponseMessageType** complex type specifies the response message for a **RemoveContactFromImList** WSDL operation. The **RemoveContactFromImListResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="RemoveContactFromImListResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
```

3.1.4.8.4 Simple Types

None.

3.1.4.8.5 Attributes

None.

3.1.4.8.6 Groups

None.

3.1.4.8.7 Attribute Groups

None.

3.1.4.9   RemoveDistributionGroupFromImList

The **RemoveDistributionGroupFromImList** WSDL operation removes a distribution group from an instant messaging list.

The following is the WSDL port type specification of the **RemoveDistributionGroupFromImList** WSDL operation.

```
<wsdl:operation name="RemoveDistributionGroupFromImList"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:RemoveDistributionGroupFromImListSoapIn"/>
  <wsdl:output message="m:RemoveDistributionGroupFromImListSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **RemoveDistributionGroupFromImList** WSDL operation.

```
<wsdl:operation name="RemoveDistributionGroupFromImList"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveDistributionGr
oupFromImList" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:RemoveDistributionGroupFromImListSoapIn" part="Impersonation"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveDistributionGroupFromImListSoapIn" part="MailboxCulture"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveDistributionGroupFromImListSoapIn" part="RequestVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" parts="RemoveDistributionGroupFromImListResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveDistributionGroupFromImListSoapOut" part="ServerVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:output>
</wsdl:operation>
```

The protocol client sends a **RemoveDistributionGroupFromImListSoapIn** request WSDL message and the protocol server responds with a **RemoveDistributionGroupFromImListSoapOut** response WSDL message.

3.1.4.9.1   Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
RemoveDistributionGroupFromImListSoapIn	Specifies the request to remove a distribution group from the instant messaging list.
RemoveDistributionGroupFromImListSoapOut	Specifies the response to the **RemoveDistributionGroupFromImListSoapIn**

Message	Description
	request WSDL message.

3.1.4.9.1.1 RemoveDistributionGroupFromImListSoapIn

The **RemoveDistributionGroupFromImListSoapIn** WSDL message specifies the request to remove a distribution group from the instant messaging list.

The following is the **RemoveDistributionGroupFromImListSoapIn** WSDL message specification.

```
<wsdl:message name="RemoveDistributionGroupFromImListSoapIn"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:RemoveDistributionGroupFromImList"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **RemoveDistributionGroupFromImListSoapIn** WSDL message is the input message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/RemoveDistributionGroupFromImList.

The parts of the **RemoveDistributionGroupFromImListSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**RemoveDistributionGroupFromImList**	Specifies the SOAP body of the request to remove the distribution group.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **RemoveDistributionGroupFromImList** WSDL operation request.

3.1.4.9.1.2 RemoveDistributionGroupFromImListSoapOut

The **RemoveDistributionGroupFromImListSoapOut** WSDL message specifies the response to the **RemoveDistributionGroupFromImListSoapIn** request WSDL message.

The following is the **RemoveDistributionGroupFromImListSoapOut** WSDL message specification.

```
<wsdl:message name="RemoveDistributionGroupFromImListSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
```

```
    <wsdl:part name="RemoveDistributionGroupFromImListResult"
element="m:RemoveDistributionGroupFromImListResponse"/>
    <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **RemoveDistributionGroupFromImListSoapOut** WSDL message is the output message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/RemoveDistributionGroupFromImList.

The parts of the **RemoveDistributionGroupFromImListSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
RemoveDistributionGroupFromImListResult	**RemoveDistributionGroupFromImListResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **RemoveDistributionGroupFromImList** WSDL operation request returns a **RemoveDistributionGroupFromImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **RemoveDistributionGroupFromImListResponse** element is set to "NoError".

If the **RemoveDistributionGroupFromImList** WSDL operation is not successful, it returns a **RemoveDistributionGroupFromImListResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **RemoveDistributionGroupFromImListResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.9.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
RemoveDistributionGroupFromImList	The input data for the **RemoveDistributionGroupFromImList** WSDL operation.
RemoveDistributionGroupFromImListResponse	The result data for the

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Element	Description
	RemoveDistributionGroupFromImList WSDL operation.

3.1.4.9.2.1 RemoveDistributionGroupFromImList

The **RemoveDistributionGroupFromImList** element specifies the input data for the **RemoveDistributionGroupFromImList** WSDL operation.

```
<xs:element name="RemoveDistributionGroupFromImList"
type="m:RemoveDistributionGroupFromImListType" xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.9.2.2 RemoveDistributionGroupFromImListResponse

The **RemoveDistributionGroupFromImListResponse** element specifies the result data for the **RemoveDistributionGroupFromImList** WSDL operation.

```
<xs:element name="RemoveDistributionGroupFromImListResponse"
type="m:RemoveDistributionGroupFromImListResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.9.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
RemoveDistributionGroupFromImListResponseMessageType	Specifies the response message for a **RemoveDistributionGroupFromImList** WSDL operation.
RemoveDistributionGroupFromImListType	Specifies a request to remove a distribution group from an instant messaging list.

3.1.4.9.3.1 RemoveDistributionGroupFromImListType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **RemoveDistributionGroupFromImListType** complex type specifies a request to remove a distribution group from an instant messaging list. The **RemoveDistributionGroupFromImListType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="RemoveDistributionGroupFromImListType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="GroupId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
```

```
        </xs:complexContent>
    </xs:complexType>
```

GroupId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that represents the identifier of the group.

3.1.4.9.3.2   RemoveDistributionGroupFromImListResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **RemoveDistributionGroupFromImListResponseMessageType** complex type specifies the response message for a **RemoveDistributionGroupFromImList** WSDL operation. The **RemoveDistributionGroupFromImListResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="RemoveDistributionGroupFromImListResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
```

3.1.4.9.4   Simple Types

None.

3.1.4.9.5   Attributes

None.

3.1.4.9.6   Groups

None.

3.1.4.9.7   Attribute Groups

None.

3.1.4.10   RemoveImContactFromGroup

The **RemoveImContactFromGroup** WSDL operation removes an instant messaging contact (3) from a group if the contact (3) is only a member of the specified group, excluding the Tagged group. If the Tagged group is the specified group, and the contact (3) is a member of the Tagged group only, the contact (3) is removed.

The following is the WSDL port type specification of the **RemoveImContactFromGroup** WSDL operation.

```
<wsdl:operation name="RemoveImContactFromGroup"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:RemoveImContactFromGroupSoapIn"/>
  <wsdl:output message="m:RemoveImContactFromGroupSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **RemoveImContactFromGroup** WSDL operation.

```
<wsdl:operation name="RemoveImContactFromGroup"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImContactFromG
roup" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:RemoveImContactFromGroupSoapIn" part="Impersonation"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveImContactFromGroupSoapIn" part="MailboxCulture"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveImContactFromGroupSoapIn" part="RequestVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" parts="RemoveImContactFromGroupResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveImContactFromGroupSoapOut" part="ServerVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:output>
</wsdl:operation>
```

The protocol client sends a **RemoveImContactFromGroupSoapIn** request WSDL message and the protocol server responds with a **RemoveImContactFromGroupSoapOut** response WSDL message.

3.1.4.10.1   Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
RemoveImContactFromGroupSoapIn	Contains the inbound **SOAP message**.
RemoveImContactFromGroupSoapOut	Contains the outbound SOAP message.

3.1.4.10.1.1   RemoveImContactFromGroupSoapIn

The **RemoveImContactFromGroupSoapIn** WSDL message specifies the request to remove an instant messaging contact (3) from a group.

The following is the **RemoveImContactFromGroupSoapIn** WSDL message specification.

```
<wsdl:message name="RemoveImContactFromGroupSoapIn"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:RemoveImContactFromGroup"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **RemoveImContactFromGroupSoapIn** WSDL message is the input message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImContactFromGroup.

The parts of the **RemoveImContactFromGroupSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**RemoveImContactFromGroup**	Specifies the SOAP body of the request to remove an instant messaging contact (3).
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **RemoveImContactFromGroup** WSDL operation request.

3.1.4.10.1.2   RemoveImContactFromGroupSoapOut

The **RemoveImContactFromGroupSoapOut** WSDL message specifies the response to the **RemoveImContactFromGroupSoapIn** request.

The following is the **RemoveImContactFromGroupSoapOut** WSDL message specification.

```
<wsdl:message name="RemoveImContactFromGroupSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="RemoveImContactFromGroupResult"
element="m:RemoveImContactFromGroupResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **RemoveImContactFromGroupSoapOut** WSDL message is the output message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImContactFromGroup.

The parts of the **RemoveImContactFromGroupSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
RemoveImContactFromGroupResult	**RemoveImContactFromGroupResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version

Part name	Element/type	Description
		for the response.

A successful **RemoveImContactFromGroup** WSDL operation request returns a **RemoveImContactFromGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **RemoveImContactFromGroupResponse** element is set to "NoError".

If the **RemoveImContactFromGroup** WSDL operation is not successful, it returns a **RemoveImContactFromGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **RemoveImContactFromGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.10.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
RemoveImContactFromGroup	The input data for the **RemoveImContactFromGroup** WSDL operation.
RemoveImContactFromGroupResponse	The result data for the **RemoveImContactFromGroup** WSDL operation.

3.1.4.10.2.1 RemoveImContactFromGroup

The **RemoveImContactFromGroup** element specifies the input data for the **RemoveImContactFromGroup** WSDL operation.

```
<xs:element name="RemoveImContactFromGroup" type="m:RemoveImContactFromGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.10.2.2 RemoveImContactFromGroupResponse

The **RemoveImContactFromGroupResponse** element specifies the result data for the **RemoveImContactFromGroup** WSDL operation.

```
<xs:element name="RemoveImContactFromGroupResponse"
type="m:RemoveImContactFromGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.10.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
RemoveImContactFromGroupResponseMessageType	Specifies the response message for a **RemoveImContactFromGroup** WSDL operation.
RemoveImContactFromGroupType	Specifies a request to remove an instant messaging contact (3) from a group.

3.1.4.10.3.1   RemoveImContactFromGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **RemoveImContactFromGroupType** complex type specifies a request to remove an instant messaging contact (3) from a group. The **RemoveImContactFromGroupType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="RemoveImContactFromGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ContactId" type="t:ItemIdType"/>
        <xs:element name="GroupId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ContactId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that represents the identifier of the contact (3).

GroupId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that represents the identifier of the group.

3.1.4.10.3.2   RemoveImContactFromGroupResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **RemoveImContactFromGroupResponseMessageType** complex type specifies the response message for a **RemoveImContactFromGroup** WSDL operation. The **RemoveImContactFromGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="RemoveImContactFromGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
```

3.1.4.10.4   Simple Types

None.

3.1.4.10.5 Attributes

None.

3.1.4.10.6 Groups

None.

3.1.4.10.7 Attribute Groups

None.

3.1.4.11 RemoveImGroup

The **RemoveImGroup** WSDL operation removes the instant messaging group and all the contacts (3) in the group. A contact (3) is deleted if it is a member of only the specified group, excluding the Tagged group. If the Tagged group is the specified group and the contact (3) is a member of the Tagged group only, the contact (3) is removed.

The following is the WSDL port type specification of the **RemoveImGroup** WSDL operation.

```
<wsdl:operation name="RemoveImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:RemoveImGroupSoapIn"/>
  <wsdl:output message="m:RemoveImGroupSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **RemoveImGroup** WSDL operation.

```
<wsdl:operation name="RemoveImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImGroup"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:RemoveImGroupSoapIn" part="Impersonation" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveImGroupSoapIn" part="MailboxCulture" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveImGroupSoapIn" part="RequestVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" parts="RemoveImGroupResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:RemoveImGroupSoapOut" part="ServerVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:output>
</wsdl:operation>
```

The protocol client sends a **RemoveImGroupSoapIn** request WSDL message and the protocol server responds with a **RemoveImGroupSoapOut** response WSDL message.

3.1.4.11.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
RemoveImGroupSoapIn	Specifies the request to remove an instant messaging group.
RemoveImGroupSoapOut	Specifies the response to the **RemovImGroupSoapIn** request WSDL message.

3.1.4.11.1.1 RemoveImGroupSoapIn

The **RemoveImGroupSoapIn** WSDL message specifies the request to remove an instant messaging group.

The following is the **RemoveImGroupSoapIn** WSDL message specification.

```
<wsdl:message name="RemoveImGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:RemoveImGroup"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **RemoveImGroupSoapIn** WSDL message is the input message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImGroup.

The parts of the **RemoveImGroupSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**RemoveImGroup**	Specifies the SOAP body of the request to remove an instant messaging group.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **RemoveImGroup** WSDL operation request.

3.1.4.11.1.2 RemoveImGroupSoapOut

The **RemoveImGroupSoapOut** WSDL message specifies the response to the **RemoveImGroupSoapIn** request WSDL message.

The following is the **RemoveImGroupSoapOut** WSDL message specification.

```
<wsdl:message name="RemoveImGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="RemoveImGroupResult" element="m:RemoveImGroupResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **RemoveImGroupSoapOut** WSDL message is the output message for the SOAP action http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImGroup.

The parts of the **RemoveImGroupSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
RemoveImGroupResult	**RemoveImGroupResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **RemoveImGroup** WSDL operation request returns a **RemoveImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **RemoveImGroupResponse** element is set to "NoError".

If the **RemoveImGroup** WSDL operation is not successful, it returns a **RemoveImGroupResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **RemoveImGroupResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.11.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
RemoveImGroup	The input data for the **RemoveImGroup** WSDL operation.
RemoveImGroupResponse	The result data for the **RemoveImGroup** WSDL operation.

3.1.4.11.2.1 RemoveImGroup

The **RemoveImGroup** element specifies the input data for the **RemoveImGroup** WSDL operation.

```
<xs:element name="RemoveImGroup" type="m:RemoveImGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.11.2.2 RemoveImGroupResponse

The **RemoveImGroupResponse** element specifies the result data for the **RemoveImGroup** WSDL operation.

```
<xs:element name="RemoveImGroupResponse" type="m:RemoveImGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.11.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
RemoveImGroupResponseMessageType	Specifies the response message for a **RemoveImGroup** WSDL operation.
RemoveImGroupType	Specifies a request to remove an instant messaging group.

3.1.4.11.3.1 RemoveImGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **RemoveImGroupType** complex type specifies a request to remove an instant messaging group. The **RemoveImGroupType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="RemoveImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="GroupId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

GroupId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that represents the identifier of the group.

3.1.4.11.3.2 RemoveImGroupResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **RemoveImGroupResponseMessageType** complex type specifies the response message for a **RemoveImGroup** WSDL operation. The **RemoveImGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="RemoveImGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
```

Release: July 31, 2014

3.1.4.11.4 Simple Types

None.

3.1.4.11.5 Attributes

None.

3.1.4.11.6 Groups

None.

3.1.4.11.7 Attribute Groups

None.

3.1.4.12 SetImGroup

The **SetImGroup** WSDL operation changes the display name of an instant messaging group.

The following is the WSDL port type specification of the **SetImGroup** WSDL operation.

```
<wsdl:operation name="SetImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:input message="m:SetImGroupSoapIn"/>
  <wsdl:output message="m:SetImGroupSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **SetImGroup** WSDL operation.

```
<wsdl:operation name="SetImGroup" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetImGroup"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  <wsdl:input>
    <soap:header message="m:SetImGroupSoapIn" part="Impersonation" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:SetImGroupSoapIn" part="MailboxCulture" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:SetImGroupSoapIn" part="RequestVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" parts="SetImGroupResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
    <soap:header message="m:SetImGroupSoapOut" part="ServerVersion" use="literal"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
  </wsdl:output>
</wsdl:operation>
```

The protocol client sends a **SetImGroupSoapIn** request WSDL message and the protocol server responds with a **SetImGroupSoapOut** response WSDL message.

3.1.4.12.1 Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
SetImGroupSoapIn	Specifies the request to set the display name of an instant messaging group.
SetImGroupSoapOut	Specifies the response to the **SetImGroupSoapIn** request WSDL message.

3.1.4.12.1.1 SetImGroupSoapIn

The **SetImGroupSoapIn** WSDL message specifies the request to set the display name of an instant messaging group.

The following is the **SetImGroupSoapIn** WSDL message specification.

```
<wsdl:message name="SetImGroupSoapIn" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:SetImGroup"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **SetImGroupSoapIn** WSDL message is the input message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/SetImGroup.

The parts of the **SetImGroupSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**SetImGroup**	Specifies the SOAP body of the request to set the display name of an instant messaging group.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section 2.2.3.6)	Specifies a SOAP header that identifies the culture to use to access the mailbox. The cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **SetImGroup** WSDL message request.

3.1.4.12.1.2 SetImGroupSoapOut

The **SetImGroupSoapOut** WSDL message specifies the response to the **SetImGroupSoapIn** request WSDL message.

The following is the **SetImGroupSoapOut** WSDL message specification.

```
<wsdl:message name="SetImGroupSoapOut" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
```

```
    <wsdl:part name="SetImGroupResult" element="m:SetImGroupResponse"/>
    <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **SetImGroupSoapOut** WSDL message is the output message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/SetImGroup.

The parts of the **SetImGroupSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
SetImGroupResult	**SetImGroupResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **SetImGroup** WSDL operation request returns a **SetImGroupResponse** element with
the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success".
The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the
SetImGroupResponse element is set to "NoError".

If the **SetImGroup** WSDL operation is not successful, it returns a **SetImGroupResponse** element
with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to
"Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the
SetImGroupResponse element is set to one of the common errors defined in [MS-OXWSCDATA]
section 2.2.5.23.

3.1.4.12.2 Elements

The following table summarizes the XML schema element definitions that are specific to this
operation.

Element	Description
SetImGroup	The input data for the **SetImGroup** WSDL operation.
SetImGroupResponse	The result data for the **SetImGroup** WSDL operation.

3.1.4.12.2.1 SetImGroup

The **SetImGroup** element specifies the input data for the **SetImGroup** WSDL operation.

```
<xs:element name="SetImGroup" type="m:SetImGroupType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.12.2.2 SetImGroupResponse

The **SetImGroupResponse** element specifies the result data for the **SetImGroup** WSDL operation.

```
<xs:element name="SetImGroupResponse" type="m:SetImGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

Release: July 31, 2014

3.1.4.12.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
SetImGroupResponseMessageType	Specifies the response message for a **SetImGroup** WSDL operation.
SetImGroupType	Specifies a request to set the display name of an instant messaging group.

3.1.4.12.3.1 SetImGroupType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **SetImGroupType** complex type specifies a request to set the display name of an instant messaging group The **SetImGroupType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="SetImGroupType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="GroupId" type="t:ItemIdType"/>
        <xs:element name="NewDisplayName" type="t:NonEmptyStringType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

GroupId: An element of type **ItemIdType**, as defined in [MS-OXWSCORE] section 2.2.4.24, that represents the identifier of the group.

NewDisplayName: An element of type **NonEmptyStringType**, as defined in [MS-OXWSCDATA] section 2.2.5.20, that represents the new display name of the contact.

3.1.4.12.3.2 SetImGroupResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **SetImGroupResponseMessageType** complex type specifies the response message for a **SetImGroup** WSDL operation. The **SetImGroupResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="SetImGroupResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
```

3.1.4.12.4 Simple Types

None.

3.1.4.12.5 Attributes

None.

3.1.4.12.6 Groups

None.

3.1.4.12.7 Attribute Groups

None.

3.1.4.13 SetImListMigrationCompleted

The **SetImListMigrationCompleted** WSDL operation indicates whether the instant messaging contacts (3) in a mailbox have been migrated to the server.

The following is the WSDL port type specification of the **SetImListMigrationCompleted** WSDL operation.

```
<wsdl:operation name="SetImListMigrationCompleted"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
   <wsdl:input message="m:SetImListMigrationCompletedSoapIn"/>
   <wsdl:output message="m:SetImListMigrationCompletedSoapOut"/>
</wsdl:operation>
```

The following is the WSDL binding specification of the **SetImListMigrationCompleted** WSDL operation.

```
<wsdl:operation name="SetImListMigrationCompleted"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
   <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetImListMigrationCo
mpleted" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   <wsdl:input>
     <soap:header message="m:SetImListMigrationCompletedSoapIn" part="Impersonation"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:header message="m:SetImListMigrationCompletedSoapIn" part="MailboxCulture"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:header message="m:SetImListMigrationCompletedSoapIn" part="RequestVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:body use="literal" parts="request"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   </wsdl:input>
   <wsdl:output>
     <soap:body use="literal" parts="SetImListMigrationCompletedResult"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
     <soap:header message="m:SetImListMigrationCompletedSoapOut" part="ServerVersion"
use="literal" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"/>
   </wsdl:output>
</wsdl:operation>
```

When the user's mailbox has been migrated to Unified Contact Store (UCS) mode, the **ImListMigrationCompleted** property (as defined in section 3.1.4.13.3.1) is set on the user's **Active Directory object**.

The protocol client sends a **SetImListMigrationCompletedSoapIn** request WSDL message and the protocol server responds with a **SetImListMigrationCompletedSoapOut** response WSDL message.

3.1.4.13.1   Messages

The following table summarizes the set of WSDL message definitions that are specific to this operation.

Message	Description
SetImListMigrationCompletedSoapIn	Specifies the request to indicate whether the migration of the instant messaging contacts (3) to the server is complete.
SetImListMigrationCompletedSoapOut	Specifies the response to the **SetImListMigrationCompletedSoapIn** request WSDL message.

3.1.4.13.1.1   SetImListMigrationCompletedSoapIn

The **SetImListMigrationCompletedSoapIn** WSDL message specifies the request to indicate whether the migration of the instant messaging contacts (3) to the server is complete.

The following is the **SetImListMigrationCompletedSoapIn** WSDL message specification.

```
<wsdl:message name="SetImListMigrationCompletedSoapIn"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="request" element="m:SetImListMigrationCompleted"/>
  <wsdl:part name="Impersonation" element="t:ExchangeImpersonation"/>
  <wsdl:part name="MailboxCulture" element="t:MailboxCulture"/>
  <wsdl:part name="RequestVersion" element="t:RequestServerVersion"/>
</wsdl:message>
```

The **SetImListMigrationCompletedSoapIn** WSDL message is the input message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/SetImListMigrationCompleted.

The parts of the **SetImListMigrationCompletedSoapIn** WSDL message are described in the following table.

Part name	Element/type	Description
request	**SetImListMigrationCompleted**	Specifies the SOAP body of the request to indicate if the migration is complete.
Impersonation	**ExchangeImpersonation** ([MS-OXWSCDATA] section 2.2.3.3)	Specifies a SOAP header that identifies the user whom the client is impersonating.
MailboxCulture	**MailboxCulture** ([MS-OXWSCDATA] section	Specifies a SOAP header that identifies the culture to use to access the mailbox. The

Part name	Element/type	Description
	2.2.3.6)	cultures are defined in [RFC3066].
RequestVersion	**RequestServerVersion** ([MS-OXWSCDATA] section 2.2.3.9)	Specifies a SOAP header that identifies the schema version for the **SetImListMigrationCompleted** WSDL operation request.

3.1.4.13.1.2 SetImListMigrationCompletedSoapOut

The **SetImListMigrationCompletedSoapOut** WSDL message specifies the response to the **SetImListMigrationCompletedSoapIn** request WSDL message.

The following is the **SetImListMigrationCompletedSoapOut** WSDL message specification.

```
<wsdl:message name="SetImListMigrationCompletedSoapOut"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:part name="SetImListMigrationCompletedResult"
element="m:SetImListMigrationCompletedResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
```

The **SetImListMigrationCompletedSoapOut** WSDL message is the output message for the SOAP action
http://schemas.microsoft.com/exchange/services/2006/messages/SetImListMigrationCompleted.

The parts of the **SetImListMigrationCompletedSoapOut** WSDL message are described in the following table.

Part name	Element/type	Description
SetImListMigrationCompletedResult	**SetImListMigrationCompletedResponse**	Specifies the SOAP body of the response.
ServerVersion	**ServerVersionInfo** ([MS-OXWSCDATA] section 2.2.3.10)	Specifies a SOAP header that identifies the server version for the response.

A successful **SetImListMigrationCompleted** WSDL operation request returns a **SetImListMigrationCompletedResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Success". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **SetImListMigrationCompletedResponse** element is set to "NoError".

If the **SetImListMigrationCompleted** WSDL operation is not successful, it returns a **SetImListMigrationCompletedResponse** element with the **ResponseClass** (as specified in [MS-OXWSCDATA] section 2.2.4.57) attribute set to "Error". The **ResponseCode** (as specified in [MS-OXWSCDATA] section 2.2.4.57) element of the **SetImListMigrationCompletedResponse** element is set to one of the common errors defined in [MS-OXWSCDATA] section 2.2.5.23.

3.1.4.13.2 Elements

The following table summarizes the XML schema element definitions that are specific to this operation.

Element	Description
SetImListMigrationCompleted	The input data for the **SetImListMigrationCompleted** WSDL operation.
SetImListMigrationCompletedResponse	The result data for the **SetImListMigrationCompleted** WSDL operation.

3.1.4.13.2.1 SetImListMigrationCompleted

The **SetImListMigrationCompleted** element specifies the input data for the **SetImListMigrationCompleted** WSDL operation.

```
<xs:element name="SetImListMigrationCompleted" type="m:SetImListMigrationCompletedType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.13.2.2 SetImListMigrationCompletedResponse

The **SetImListMigrationCompletedResponse** element specifies the result data for the **SetImListMigrationCompleted** WSDL operation.

```
<xs:element name="SetImListMigrationCompletedResponse"
type="m:SetImListMigrationCompletedResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema"/>
```

3.1.4.13.3 Complex Types

The following table summarizes the XML schema complex type definitions that are specific to this operation.

Complex type	Description
SetImListMigrationCompletedResponseMessageType	Specifies the response message for the **SetImListMigrationCompleted** WSDL operation.
SetImListMigrationCompletedType	Specifies whether the migration of a contact (3) list from the server to an instant messaging system is complete.

3.1.4.13.3.1 SetImListMigrationCompletedType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **SetImListMigrationCompletedtype** complex type specifies whether the migration of a contact (3) list from the server to an instant messaging system is complete. The **SetImListMigrationCompletedType** complex type extends the **BaseRequestType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.15.

```
<xs:complexType name="SetImListMigrationCompletedType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ImListMigrationCompleted" type="xs:boolean"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

ImListMigrationCompleted: An element of type **xs:boolean**, as defined in [XMLSCHEMA2], that indicates whether the migration is complete.

3.1.4.13.3.2   SetImListMigrationCompletedResponseMessageType

Namespace: http://schemas.microsoft.com/exchange/services/2006/messages

The **SetImListMigrationCompletedResponseMessageType** complex type specifies the response message for the **SetImListMigrationCompleted** WSDL operation. The **SetImListMigrationCompletedResponseMessageType** complex type extends the **ResponseMessageType** complex type, as specified in [MS-OXWSCDATA] section 2.2.4.57.

```
<xs:complexType name="SetImListMigrationCompletedResponseMessageType"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
```

3.1.4.13.4   Simple Types

None.

3.1.4.13.5   Attributes

None.

3.1.4.13.6   Groups

None.

3.1.4.13.7   Attribute Groups

None.

3.1.5   Timer Events

None.

3.1.6   Other Local Events

None.

4 Protocol Examples

The following example of an **AddImGroup** WSDL operation request shows how to create an instant messaging group named MyCustomerGroup.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
               xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
               xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages">
   <soap:Header>
      <t:RequestServerVersion Version="Exchange2013" />
      <t:MailboxCulture>en-US</t:MailboxCulture>
   </soap:Header>
   <soap:Body >
      <m:AddImGroup>
         <m:DisplayName>MyCustomGroup</m:DisplayName>
      </m:AddImGroup>
   </soap:Body>
</soap:Envelope>
```

The following example shows a successful response to an **AddImGroup** WSDL operation request. The store identifier has been shortened to preserve readability.

```xml
<?xml version="1.0" encoding="utf-8"?>
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
   <s:Header>
      <h:ServerVersionInfo MajorVersion="15"
                           MinorVersion="0"
                           MajorBuildNumber="349"
                           MinorBuildNumber="0"
                           Version="Exchange2013"
xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
                           xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
                           xmlns:xsd="http://www.w3.org/2001/XMLSchema"
                           xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
   </s:Header>
   <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
           xmlns:xsd="http://www.w3.org/2001/XMLSchema">
      <AddImGroupResponse ResponseClass="Success"
xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
         <ResponseCode>NoError</ResponseCode>
         <ImGroup>
            <DisplayName
xmlns="http://schemas.microsoft.com/exchange/services/2006/types">MyCustomGroup</DisplayName>
            <GroupType
xmlns="http://schemas.microsoft.com/exchange/services/2006/types">IPM.DistList.MOC.UserGroup</GroupType>
            <ExchangeStoreId Id="AAMkAGQ1MjJjMTBkLTc4Y2UtNDA5Ny04ZjU5LWI3MAAA="
                             ChangeKey="EgAAAA=="
xmlns="http://schemas.microsoft.com/exchange/services/2006/types"/>
         </ImGroup>
      </AddImGroupResponse>
   </s:Body>
</s:Envelope>
```

The following example shows how to add a contact (3) to an instant messaging group. The group and contact identifiers have been shortened to preserve readability.

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
               xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
               xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages">
   <soap:Header>
      <t:RequestServerVersion Version="Exchange2013" />
      <t:MailboxCulture>en-US</t:MailboxCulture>
   </soap:Header>
   <soap:Body >
      <m:AddImContactToGroup>
         <m:ContactId Id="AAMkAGQ1MjJjMTBkLTc4Y2AA="
                      ChangeKey="EQAAABYAAABtF8oI7i"/>
         <m:GroupId Id="AAMkAGQ1MjJjMTBkzzAAAQKAAA="
                    ChangeKey="EgAAAA=="/>
      </m:AddImContactToGroup>
   </soap:Body>
</soap:Envelope>
```

The following example shows a successful response to an **AddImContactToGroup** WSDL operation request.

```
<?xml version="1.0" encoding="utf-8"?>
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
   <s:Header>
      <h:ServerVersionInfo MajorVersion="15"
                           MinorVersion="0"
                           MajorBuildNumber="349"
                           MinorBuildNumber="0"
                           Version="Exchange2013"

xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
                           xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
                           xmlns:xsd="http://www.w3.org/2001/XMLSchema"
                           xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
   </s:Header>
   <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
           xmlns:xsd="http://www.w3.org/2001/XMLSchema">
      <AddImContactToGroupResponse ResponseClass="Success"

xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
         <ResponseCode>NoError</ResponseCode>
      </AddImContactToGroupResponse>
   </s:Body>
</s:Envelope>
```

The following example of a **RemoveImGroup** WSDL operation request shows how to remove an instant messaging group. The group identifier has been shortened to preserve readability,

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
               xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
               xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages">
   <soap:Header>
```

```
            <t:RequestServerVersion Version="Exchange2013" />
            <t:MailboxCulture>en-US</t:MailboxCulture>
        </soap:Header>
        <soap:Body >
            <m:RemoveImGroup>
                <m:GroupId Id="AAMkAGQlMjJjMTBkLTc4Y2UtNDA5hQoTbWAAAAAAQRAAA="
                        ChangeKey="EgAAAA=="/>
            </m:RemoveImGroup>
        </soap:Body>
    </soap:Envelope>
```

The following example shows a successful response to a **RemoveImGroup** WSDL operation request.

```
<?xml version="1.0" encoding="utf-8"?>
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
    <s:Header>
        <h:ServerVersionInfo MajorVersion="15"
                            MinorVersion="0"
                            MajorBuildNumber="349"
                            MinorBuildNumber="0"
                            Version="Exchange2013"

xmlns:h="http://schemas.microsoft.com/exchange/services/2006/types"
                            xmlns="http://schemas.microsoft.com/exchange/services/2006/types"
                            xmlns:xsd="http://www.w3.org/2001/XMLSchema"
                            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
    </s:Header>
    <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xmlns:xsd="http://www.w3.org/2001/XMLSchema">
        <RemoveImGroupResponse ResponseClass="Success"

xmlns="http://schemas.microsoft.com/exchange/services/2006/messages">
            <ResponseCode>NoError</ResponseCode>
        </RemoveImGroupResponse>
    </s:Body>
</s:Envelope>
```

5   Security

5.1   Security Considerations for Implementers

None.

5.2   Index of Security Parameters

None.

6 Appendix A: Full WSDL

For ease of implementation, the full WSDL is provided in this appendix.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:types>
    <xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
version="Exchange2013" id="messages" xmlns:xs="http://www.w3.org/2001/XMLSchema">
      <xs:include schemaLocation="MS-OXWSCOS-messages.xsd"/>
    </xs:schema>
  </wsdl:types>
  <wsdl:portType name="ExchangeServicePortType">
    <wsdl:operation name="AddDistributionGroupToImList">
      <wsdl:input message="m:AddDistributionGroupToImListSoapIn"/>
      <wsdl:output message="m:AddDistributionGroupToImListSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="AddImContactToGroup">
      <wsdl:input message="m:AddImContactToGroupSoapIn"/>
      <wsdl:output message="m:AddImContactToGroupSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="AddImGroup">
      <wsdl:input message="m:AddImGroupSoapIn"/>
      <wsdl:output message="m:AddImGroupSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="AddNewImContactToGroup">
      <wsdl:input message="m:AddNewImContactToGroupSoapIn"/>
      <wsdl:output message="m:AddNewImContactToGroupSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="AddNewTelUriContactToGroup">
      <wsdl:input message="m:AddNewTelUriContactToGroupSoapIn"/>
      <wsdl:output message="m:AddNewTelUriContactToGroupSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="GetImItemList">
      <wsdl:input message="m:GetImItemListSoapIn"/>
      <wsdl:output message="m:GetImItemListSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="GetImItems">
      <wsdl:input message="m:GetImItemsSoapIn"/>
      <wsdl:output message="m:GetImItemsSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="RemoveContactFromImList">
      <wsdl:input message="m:RemoveContactFromImListSoapIn"/>
      <wsdl:output message="m:RemoveContactFromImListSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="RemoveDistributionGroupFromImList">
      <wsdl:input message="m:RemoveDistributionGroupFromImListSoapIn"/>
      <wsdl:output message="m:RemoveDistributionGroupFromImListSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="RemoveImContactFromGroup">
      <wsdl:input message="m:RemoveImContactFromGroupSoapIn"/>
      <wsdl:output message="m:RemoveImContactFromGroupSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="RemoveImGroup">
```

```
          <wsdl:input message="m:RemoveImGroupSoapIn"/>
          <wsdl:output message="m:RemoveImGroupSoapOut"/>
        </wsdl:operation>
        <wsdl:operation name="SetImGroup">
          <wsdl:input message="m:SetImGroupSoapIn"/>
          <wsdl:output message="m:SetImGroupSoapOut"/>
        </wsdl:operation>
        <wsdl:operation name="SetImListMigrationCompleted">
          <wsdl:input message="m:SetImListMigrationCompletedSoapIn"/>
          <wsdl:output message="m:SetImListMigrationCompletedSoapOut"/>
        </wsdl:operation>
    </wsdl:portType>
    <wsdl:binding name="ExchangeServiceBinding" type="m:ExchangeServicePortType">
      <wsdl:documentation>
        <wsi:Claim conformsTo="http://ws-i.org/profiles/basic/1.0" xmlns:wsi="http://ws-
i.org/schemas/conformanceClaim/"/>
      </wsdl:documentation>
      <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
      <wsdl:operation name="AddDistributionGroupToImList">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddDistributionGroup
ToImList"/>
        <wsdl:input>
          <soap:header message="m:AddDistributionGroupToImListSoapIn" part="Impersonation"
use="literal"/>
          <soap:header message="m:AddDistributionGroupToImListSoapIn" part="MailboxCulture"
use="literal"/>
          <soap:header message="m:AddDistributionGroupToImListSoapIn" part="RequestVersion"
use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="AddDistributionGroupToImListResult"/>
          <soap:header message="m:AddDistributionGroupToImListSoapOut" part="ServerVersion"
use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="AddImContactToGroup">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddImContactToGroup"
/>
        <wsdl:input>
          <soap:header message="m:AddImContactToGroupSoapIn" part="Impersonation"
use="literal"/>
          <soap:header message="m:AddImContactToGroupSoapIn" part="MailboxCulture"
use="literal"/>
          <soap:header message="m:AddImContactToGroupSoapIn" part="RequestVersion"
use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="AddImContactToGroupResult"/>
          <soap:header message="m:AddImContactToGroupSoapOut" part="ServerVersion"
use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="AddImGroup">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddImGroup"/>
        <wsdl:input>
```

```
          <soap:header message="m:AddImGroupSoapIn" part="Impersonation" use="literal"/>
          <soap:header message="m:AddImGroupSoapIn" part="MailboxCulture" use="literal"/>
          <soap:header message="m:AddImGroupSoapIn" part="RequestVersion" use="literal"/>
          <soap:body use="literal" parts="request"/>
      </wsdl:input>
      <wsdl:output>
          <soap:body use="literal" parts="AddImGroupResult"/>
          <soap:header message="m:AddImGroupSoapOut" part="ServerVersion" use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddNewImContactToGroup">
      <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddNewImContactToGro
up"/>
      <wsdl:input>
        <soap:header message="m:AddNewImContactToGroupSoapIn" part="Impersonation"
use="literal"/>
        <soap:header message="m:AddNewImContactToGroupSoapIn" part="MailboxCulture"
use="literal"/>
        <soap:header message="m:AddNewImContactToGroupSoapIn" part="RequestVersion"
use="literal"/>
        <soap:body use="literal" parts="request"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" parts="AddNewImContactToGroupResult"/>
        <soap:header message="m:AddNewImContactToGroupSoapOut" part="ServerVersion"
use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="AddNewTelUriContactToGroup">
      <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/AddNewTelUriContactT
oGroup"/>
      <wsdl:input>
        <soap:header message="m:AddNewTelUriContactToGroupSoapIn" part="Impersonation"
use="literal"/>
        <soap:header message="m:AddNewTelUriContactToGroupSoapIn" part="MailboxCulture"
use="literal"/>
        <soap:header message="m:AddNewTelUriContactToGroupSoapIn" part="RequestVersion"
use="literal"/>
        <soap:body use="literal" parts="request"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" parts="AddNewTelUriContactToGroupResult"/>
        <soap:header message="m:AddNewTelUriContactToGroupSoapOut" part="ServerVersion"
use="literal"/>
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="GetImItemList">
      <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetImItemList"/>
      <wsdl:input>
        <soap:header message="m:GetImItemListSoapIn" part="Impersonation" use="literal"/>
        <soap:header message="m:GetImItemListSoapIn" part="MailboxCulture" use="literal"/>
        <soap:header message="m:GetImItemListSoapIn" part="RequestVersion" use="literal"/>
        <soap:body use="literal" parts="request"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" parts="GetImItemListResult"/>
        <soap:header message="m:GetImItemListSoapOut" part="ServerVersion" use="literal"/>
```

```
          </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="GetImItems">
        <soap:operation
 soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/GetImItems"/>
        <wsdl:input>
          <soap:header message="m:GetImItemsSoapIn" part="Impersonation" use="literal"/>
          <soap:header message="m:GetImItemsSoapIn" part="MailboxCulture" use="literal"/>
          <soap:header message="m:GetImItemsSoapIn" part="RequestVersion" use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="GetImItemsResult"/>
          <soap:header message="m:GetImItemsSoapOut" part="ServerVersion" use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="RemoveContactFromImList">
        <soap:operation
 soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveContactFromImL
 ist"/>
        <wsdl:input>
          <soap:header message="m:RemoveContactFromImListSoapIn" part="Impersonation"
 use="literal"/>
          <soap:header message="m:RemoveContactFromImListSoapIn" part="MailboxCulture"
 use="literal"/>
          <soap:header message="m:RemoveContactFromImListSoapIn" part="RequestVersion"
 use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="RemoveContactFromImListResult"/>
          <soap:header message="m:RemoveContactFromImListSoapOut" part="ServerVersion"
 use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="RemoveDistributionGroupFromImList">
        <soap:operation
 soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveDistributionGr
 oupFromImList"/>
        <wsdl:input>
          <soap:header message="m:RemoveDistributionGroupFromImListSoapIn" part="Impersonation"
 use="literal"/>
          <soap:header message="m:RemoveDistributionGroupFromImListSoapIn"
 part="MailboxCulture" use="literal"/>
          <soap:header message="m:RemoveDistributionGroupFromImListSoapIn"
 part="RequestVersion" use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="RemoveDistributionGroupFromImListResult"/>
          <soap:header message="m:RemoveDistributionGroupFromImListSoapOut"
 part="ServerVersion" use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="RemoveImContactFromGroup">
        <soap:operation
 soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImContactFromG
 roup"/>
        <wsdl:input>
```

```
          <soap:header message="m:RemoveImContactFromGroupSoapIn" part="Impersonation"
use="literal"/>
          <soap:header message="m:RemoveImContactFromGroupSoapIn" part="MailboxCulture"
use="literal"/>
          <soap:header message="m:RemoveImContactFromGroupSoapIn" part="RequestVersion"
use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="RemoveImContactFromGroupResult"/>
          <soap:header message="m:RemoveImContactFromGroupSoapOut" part="ServerVersion"
use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="RemoveImGroup">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/RemoveImGroup"/>
        <wsdl:input>
          <soap:header message="m:RemoveImGroupSoapIn" part="Impersonation" use="literal"/>
          <soap:header message="m:RemoveImGroupSoapIn" part="MailboxCulture" use="literal"/>
          <soap:header message="m:RemoveImGroupSoapIn" part="RequestVersion" use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="RemoveImGroupResult"/>
          <soap:header message="m:RemoveImGroupSoapOut" part="ServerVersion" use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="SetImGroup">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetImGroup"/>
        <wsdl:input>
          <soap:header message="m:SetImGroupSoapIn" part="Impersonation" use="literal"/>
          <soap:header message="m:SetImGroupSoapIn" part="MailboxCulture" use="literal"/>
          <soap:header message="m:SetImGroupSoapIn" part="RequestVersion" use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="SetImGroupResult"/>
          <soap:header message="m:SetImGroupSoapOut" part="ServerVersion" use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="SetImListMigrationCompleted">
        <soap:operation
soapAction="http://schemas.microsoft.com/exchange/services/2006/messages/SetImListMigrationCo
mpleted"/>
        <wsdl:input>
          <soap:header message="m:SetImListMigrationCompletedSoapIn" part="Impersonation"
use="literal"/>
          <soap:header message="m:SetImListMigrationCompletedSoapIn" part="MailboxCulture"
use="literal"/>
          <soap:header message="m:SetImListMigrationCompletedSoapIn" part="RequestVersion"
use="literal"/>
          <soap:body use="literal" parts="request"/>
        </wsdl:input>
        <wsdl:output>
          <soap:body use="literal" parts="SetImListMigrationCompletedResult"/>
          <soap:header message="m:SetImListMigrationCompletedSoapOut" part="ServerVersion"
use="literal"/>
        </wsdl:output>
```

```
      </wsdl:operation>
    </wsdl:binding>
    <wsdl:message name="AddDistributionGroupToImListSoapIn">
      <wsdl:part name="request" element="m:AddDistributionGroupToImList"/>
      <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="AddDistributionGroupToImListSoapOut">
      <wsdl:part name="AddDistributionGroupToImListResult"
  element="m:AddDistributionGroupToImListResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="AddImContactToGroupSoapIn">
      <wsdl:part name="request" element="m:AddImContactToGroup"/>
      <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="AddImContactToGroupSoapOut">
      <wsdl:part name="AddImContactToGroupResult" element="m:AddImContactToGroupResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="AddImGroupSoapIn">
      <wsdl:part name="request" element="m:AddImGroup"/>
      <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="AddImGroupSoapOut">
      <wsdl:part name="AddImGroupResult" element="m:AddImGroupResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="AddNewImContactToGroupSoapIn">
      <wsdl:part name="request" element="m:AddNewImContactToGroup"/>
      <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="AddNewImContactToGroupSoapOut">
      <wsdl:part name="AddNewImContactToGroupResult"
  element="m:AddNewImContactToGroupResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="AddNewTelUriContactToGroupSoapIn">
      <wsdl:part name="request" element="m:AddNewTelUriContactToGroup"/>
      <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="AddNewTelUriContactToGroupSoapOut">
      <wsdl:part name="AddNewTelUriContactToGroupResult"
  element="m:AddNewTelUriContactToGroupResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="GetImItemListSoapIn">
      <wsdl:part name="request" element="m:GetImItemList"/>
      <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="GetImItemListSoapOut">
      <wsdl:part name="GetImItemListResult" element="m:GetImItemListResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="GetImItemsSoapIn">
      <wsdl:part name="request" element="m:GetImItems"/>
      <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="GetImItemsSoapOut">
      <wsdl:part name="GetImItemsResult" element="m:GetImItemsResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="RemoveContactFromImListSoapIn">
      <wsdl:part name="request" element="m:RemoveContactFromImList"/>
      <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="RemoveContactFromImListSoapOut">
      <wsdl:part name="RemoveContactFromImListResult"
  element="m:RemoveContactFromImListResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="RemoveDistributionGroupFromImListSoapIn">
      <wsdl:part name="request" element="m:RemoveDistributionGroupFromImList"/>
      <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="RemoveDistributionGroupFromImListSoapOut">
      <wsdl:part name="RemoveDistributionGroupFromImListResult"
  element="m:RemoveDistributionGroupFromImListResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="RemoveImContactFromGroupSoapIn">
      <wsdl:part name="request" element="m:RemoveImContactFromGroup"/>
      <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="RemoveImContactFromGroupSoapOut">
      <wsdl:part name="RemoveImContactFromGroupResult"
  element="m:RemoveImContactFromGroupResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
    <wsdl:message name="RemoveImGroupSoapIn">
      <wsdl:part name="request" element="m:RemoveImGroup"/>
      <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="RemoveImGroupSoapOut">
      <wsdl:part name="RemoveImGroupResult" element="m:RemoveImGroupResponse"/>
      <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
    </wsdl:message>
```

```
<wsdl:message name="SetImGroupSoapIn">
  <wsdl:part name="request" element="m:SetImGroup"/>
  <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="SetImGroupSoapOut">
  <wsdl:part name="SetImGroupResult" element="m:SetImGroupResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
<wsdl:message name="SetImListMigrationCompletedSoapIn">
  <wsdl:part name="request" element="m:SetImListMigrationCompleted"/>
  <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="SetImListMigrationCompletedSoapOut">
  <wsdl:part name="SetImListMigrationCompletedResult"
element="m:SetImListMigrationCompletedResponse"/>
  <wsdl:part name="ServerVersion" element="t:ServerVersionInfo"/>
</wsdl:message>
</wsdl:definitions>
```

7 Appendix B: Full XML Schema

Schema name	Prefix	Section
http://schemas.microsoft.com/exchange/services/2006/messages	m	7.1
http://schemas.microsoft.com/exchange/services/2006/types	t	7.2

For ease of implementation, the following sections provide the full XML schema for this protocol.

7.1 http://schemas.microsoft.com/exchange/services/2006/messages Schema

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

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

File name	Defining specification/section
MS-OXWSCDATA-messages.xsd	[MS-OXWSCDATA] section 7.1
MS-OXWSCOS-types.xsd	7.2

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:m="http://schemas.microsoft.com/exchange/services/2006/messages"
xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
version="Exchange2013" id="messages" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:include schemaLocation="MS-OXWSCDATA-messages.xsd"/>
  <xs:import schemaLocation="MS-OXWSCOS-types.xsd"
namespace="http://schemas.microsoft.com/exchange/services/2006/types"/>
  <xs:complexType name="AddDistributionGroupToImListType">
    <xs:complexContent mixed="false">
      <xs:extension base="m:BaseRequestType">
        <xs:sequence>
          <xs:element name="SmtpAddress" type="t:NonEmptyStringType"/>
          <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="AddDistributionGroupToImListResponseMessageType">
    <xs:complexContent mixed="false">
      <xs:extension base="m:ResponseMessageType">
        <xs:sequence>
          <xs:element minOccurs="0" name="ImGroup" type="t:ImGroupType"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="AddDistributionGroupToImListResponse"
type="m:AddDistributionGroupToImListResponseMessageType"/>
  <xs:element name="AddDistributionGroupToImList" type="m:AddDistributionGroupToImListType"/>
  <xs:complexType name="AddImContactToGroupType">
```

```xml
      <xs:complexContent mixed="false">
        <xs:extension base="m:BaseRequestType">
          <xs:sequence>
            <xs:element name="ContactId" type="t:ItemIdType"/>
            <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="AddImContactToGroupResponseMessageType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:ResponseMessageType"/>
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="AddImContactToGroupResponse"
 type="m:AddImContactToGroupResponseMessageType"/>
    <xs:element name="AddImContactToGroup" type="m:AddImContactToGroupType"/>
    <xs:element name="AddImGroup" type="m:AddImGroupType"/>
    <xs:complexType name="AddImGroupResponseMessageType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:ResponseMessageType">
          <xs:sequence>
            <xs:element minOccurs="0" name="ImGroup" type="t:ImGroupType"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="AddImGroupType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:BaseRequestType">
          <xs:sequence>
            <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="AddImGroupResponse" type="m:AddImGroupResponseMessageType"/>
    <xs:element name="AddNewImContactToGroup" type="m:AddNewImContactToGroupType"/>
    <xs:element name="AddNewImContactToGroupResponse"
 type="m:AddNewImContactToGroupResponseMessageType"/>
    <xs:complexType name="AddNewImContactToGroupResponseMessageType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:ResponseMessageType">
          <xs:sequence>
            <xs:element minOccurs="0" name="Persona" type="t:PersonaType"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="AddNewImContactToGroupType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:BaseRequestType">
          <xs:sequence>
            <xs:element name="ImAddress" type="t:NonEmptyStringType"/>
            <xs:element minOccurs="0" name="DisplayName" type="t:NonEmptyStringType"/>
            <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
```

```
    </xs:complexType>
    <xs:complexType name="AddNewTelUriContactToGroupType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:BaseRequestType">
          <xs:sequence>
            <xs:element name="TelUriAddress" type="t:NonEmptyStringType"/>
            <xs:element name="ImContactSipUriAddress" type="t:NonEmptyStringType"/>
            <xs:element name="ImTelephoneNumber" type="t:NonEmptyStringType"/>
            <xs:element minOccurs="0" name="GroupId" type="t:ItemIdType"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="AddNewTelUriContactToGroup" type="m:AddNewTelUriContactToGroupType"/>
    <xs:complexType name="AddNewTelUriContactToGroupResponseMessageType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:ResponseMessageType">
          <xs:sequence>
            <xs:element minOccurs="0" name="Persona" type="t:PersonaType"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="AddNewTelUriContactToGroupResponse"
 type="m:AddNewTelUriContactToGroupResponseMessageType"/>
    <xs:complexType name="GetImItemListType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:BaseRequestType">
          <xs:sequence>
            <xs:element minOccurs="0" name="ExtendedProperties"
 type="t:NonEmptyArrayOfExtendedFieldURIs"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="GetImItemList" type="m:GetImItemListType"/>
    <xs:complexType name="GetImItemListResponseMessageType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:ResponseMessageType">
          <xs:sequence>
            <xs:element minOccurs="0" name="ImItemList" type="t:ImItemListType"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="GetImItemListResponse" type="m:GetImItemListResponseMessageType"/>
    <xs:complexType name="GetImItemsType">
      <xs:complexContent mixed="false">
        <xs:extension base="m:BaseRequestType">
          <xs:sequence>
            <xs:element minOccurs="0" name="ContactIds"
 type="t:NonEmptyArrayOfBaseItemIdsType"/>
            <xs:element minOccurs="0" name="GroupIds" type="t:NonEmptyArrayOfBaseItemIdsType"/>
            <xs:element minOccurs="0" name="ExtendedProperties"
 type="t:NonEmptyArrayOfExtendedFieldURIs"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
```

```xml
<xs:element name="GetImItems" type="m:GetImItemsType"/>
<xs:complexType name="GetImItemsResponseMessageType">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType">
      <xs:sequence>
        <xs:element minOccurs="0" name="ImItemList" type="t:ImItemListType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="GetImItemsResponse" type="m:GetImItemsResponseMessageType"/>
<xs:complexType name="RemoveContactFromImListType">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ContactId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="RemoveContactFromImList" type="m:RemoveContactFromImListType"/>
<xs:complexType name="RemoveContactFromImListResponseMessageType">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
<xs:element name="RemoveContactFromImListResponse"
 type="m:RemoveContactFromImListResponseMessageType"/>
<xs:complexType name="RemoveDistributionGroupFromImListType">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="GroupId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="RemoveDistributionGroupFromImList"
 type="m:RemoveDistributionGroupFromImListType"/>
<xs:complexType name="RemoveDistributionGroupFromImListResponseMessageType">
  <xs:complexContent mixed="false">
    <xs:extension base="m:ResponseMessageType"/>
  </xs:complexContent>
</xs:complexType>
<xs:element name="RemoveDistributionGroupFromImListResponse"
 type="m:RemoveDistributionGroupFromImListResponseMessageType"/>
<xs:complexType name="RemoveImContactFromGroupType">
  <xs:complexContent mixed="false">
    <xs:extension base="m:BaseRequestType">
      <xs:sequence>
        <xs:element name="ContactId" type="t:ItemIdType"/>
        <xs:element name="GroupId" type="t:ItemIdType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:element name="RemoveImContactFromGroupResponse"
 type="m:RemoveImContactFromGroupResponseMessageType"/>
<xs:complexType name="RemoveImContactFromGroupResponseMessageType">
```

```
        <xs:complexContent mixed="false">
          <xs:extension base="m:ResponseMessageType"/>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="RemoveImContactFromGroup" type="m:RemoveImContactFromGroupType"/>
      <xs:complexType name="RemoveImGroupType">
        <xs:complexContent mixed="false">
          <xs:extension base="m:BaseRequestType">
            <xs:sequence>
              <xs:element name="GroupId" type="t:ItemIdType"/>
            </xs:sequence>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="RemoveImGroup" type="m:RemoveImGroupType"/>
      <xs:complexType name="RemoveImGroupResponseMessageType">
        <xs:complexContent mixed="false">
          <xs:extension base="m:ResponseMessageType"/>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="RemoveImGroupResponse" type="m:RemoveImGroupResponseMessageType"/>
      <xs:complexType name="SetImGroupType">
        <xs:complexContent mixed="false">
          <xs:extension base="m:BaseRequestType">
            <xs:sequence>
              <xs:element name="GroupId" type="t:ItemIdType"/>
              <xs:element name="NewDisplayName" type="t:NonEmptyStringType"/>
            </xs:sequence>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="SetImGroup" type="m:SetImGroupType"/>
      <xs:complexType name="SetImGroupResponseMessageType">
        <xs:complexContent mixed="false">
          <xs:extension base="m:ResponseMessageType"/>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="SetImGroupResponse" type="m:SetImGroupResponseMessageType"/>
      <xs:complexType name="SetImListMigrationCompletedType">
        <xs:complexContent mixed="false">
          <xs:extension base="m:BaseRequestType">
            <xs:sequence>
              <xs:element name="ImListMigrationCompleted" type="xs:boolean"/>
            </xs:sequence>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="SetImListMigrationCompleted" type="m:SetImListMigrationCompletedType"/>
      <xs:complexType name="SetImListMigrationCompletedResponseMessageType">
        <xs:complexContent mixed="false">
          <xs:extension base="m:ResponseMessageType"/>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="SetImListMigrationCompletedResponse"
  type="m:SetImListMigrationCompletedResponseMessageType"/>
    </xs:schema>
```

7.2   http://schemas.microsoft.com/exchange/services/2006/types Schema

This section contains the MS-OXWSCOS-types.xsd and information about additional files that this schema file requires to operate correctly.

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

File name	Defining specification/section
MS-OXWSCDATA-types.xsd	[MS-OXWSCDATA] section 7.2
MS-OXWSBTRF-types.xsd	[MS-OXWSBTRF] section 7.2

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/types"
version="Exchange2013" id="types" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://www.w3.org/XML/1998/namespace"/>
  <xs:include schemaLocation="MS-OXWSCDATA-types.xsd"/>
  <xs:include schemaLocation="MS-OXWSBTRF-types.xsd"/>
  <xs:complexType name="ArrayOfImGroupType">
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element name="ImGroup" type="t:ImGroupType"/>
    </xs:choice>
  </xs:complexType>
  <xs:complexType name="ImGroupType">
    <xs:sequence>
      <xs:element name="DisplayName" type="t:NonEmptyStringType"/>
      <xs:element name="GroupType" type="t:NonEmptyStringType"/>
      <xs:element minOccurs="0" name="ExchangeStoreId" type="t:ItemIdType"/>
      <xs:element minOccurs="0" name="MemberCorrelationKey"
type="t:NonEmptyArrayOfItemIdsType"/>
      <xs:element minOccurs="0" name="ExtendedProperties"
type="t:NonEmptyArrayOfExtendedPropertyType"/>
      <xs:element minOccurs="0" name="SmtpAddress" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ImItemListType">
    <xs:sequence>
      <xs:element minOccurs="0" name="Groups" type="t:ArrayOfImGroupType"/>
      <xs:element minOccurs="0" name="Personas" type="t:ArrayOfPeopleType"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="NonEmptyArrayOfExtendedFieldURIs">
    <xs:choice maxOccurs="unbounded">
      <xs:element name="ExtendedProperty" type="t:PathToExtendedFieldType"/>
    </xs:choice>
  </xs:complexType>
</xs:schema>
```

Release: July 31, 2014

8 Appendix C: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft Exchange Server 2013

- Microsoft Lync 2013

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is 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 the product does not follow the prescription.

9 Change Tracking

This section identifies changes that were made to the [MS-OXWSCOS] protocol document between the April 2014 and July 2014 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

▪ A document revision that incorporates changes to interoperability requirements or functionality.

▪ The removal of a document from the documentation set.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the technical content of the document is identical to the last released version.

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

▪ New content added.

▪ Content updated.

▪ 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.

- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated.**

Some important terms used in the change 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.

The changes made to this document are listed in the following table. For more information, please contact dochelp@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
3.1.4.4 AddNewImContactToGroup	Added error information when the AddNewImContactToGroup operation fails.	N	Content updated.
3.1.4.5 AddNewTelUriContactToGroup	Added the error code to the AddNewTelUriContactToGroup operation.	N	Content updated.
3.1.4.13 SetImListMigrationCompleted	Added reference for ImListMigrationCompleted property.	N	Content updated.
4 Protocol Examples	Removed theTimeZoneContext from this example of a RemoveImGroup WSDL operation.	N	Content updated.

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