[MS-OXWSCDATA]:
Common Web Service Data Types

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Revision Summary

Date	Revision History	Revision Class	Comments
07/15/2009	1.0	Major	Initial Availability.
11/04/2009	2.0.0	Major	Updated and revised the technical content.
02/10/2010	2.1.0	Minor	Updated the technical content.
05/05/2010	3.0.0	Major	Updated and revised the technical content.
08/04/2010	4.0	Major	Significantly changed the technical content.
11/03/2010	4.1	Minor	Clarified the meaning of the technical content.
03/18/2011	5.0	Major	Significantly changed the technical content.
08/05/2011	6.0	Major	Significantly changed the technical content.
10/07/2011	7.0	Major	Significantly changed the technical content.
01/20/2012	8.0	Major	Significantly changed the technical content.

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Release: Sunday, January 22, 2012

1 Introduction

This document specifies the Web service data types that are common to more than one Web service protocol.

Sections 1.8, 2, and 3 of this specification are normative and contain RFC 2119 language. Sections 1.5 and 1.9 are also normative but cannot contain RFC 2119 language. All other sections and examples in this specification are informative.

1.1 Glossary

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

Coordinated Universal Time (UTC)

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

Calendar folder
delegate
Deleted Items folder
distribution list
Drafts folder
free/busy message
free/busy status
Hypertext Markup Language (HTML)
Inbox folder
Junk E-mail folder
mailbox
Multipurpose Internet Mail Extensions (MIME)
OOF message
Out of Office (OOF)
Outbox folder
plain text
public folder
Sent Items folder
Simple Mail Transfer Protocol (SMTP)
SOAP header
Uniform Resource Identifier (URI)
Web Services Description Language (WSDL)
XML namespace
XML schema

The following terms are specific to this document:

real item: An item that can be stored in a mail server database, such as a calendar item, task, or contact.

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. Please check the archive site, http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624, as an additional source.

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

[MS-OXWSATT] Microsoft Corporation, "Attachment Handling Web Service Protocol Specification".

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

[MS-OXWSCONV] Microsoft Corporation, "Conversations Web Service Protocol Specification".

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

[MS-OXWSCVTID] Microsoft Corporation, "Convert Item Identifier Web Service Protocol Specification".

[MS-OXWSDLIST] Microsoft Corporation, "Distribution List Creation and Usage Web Service Protocol Specification".

[MS-OXWSFOLD] Microsoft Corporation, "Folders and Folder Permissions Web Service Protocol Specification".

[MS-OXWSGTRM] Microsoft Corporation, "Get Rooms List Web Service Protocol Specification".

[MS-OXWSGTZ] Microsoft Corporation, "Get Server Time Zone Web Service Protocol Specification".

[MS-OXWSMSG] Microsoft Corporation, "E-Mail Message Types Web Service Protocol Specification".

[MS-OXWSMSHR] Microsoft Corporation, "Folder Sharing Web Service Protocol Specification".

[MS-OXWSMTRK] Microsoft Corporation, "Message Tracking Web Service Protocol Specification".

[MS-OXWSNTIF] Microsoft Corporation, "Notifications Web Service Protocol Specification".

[MS-OXWSPED] Microsoft Corporation, "Password Expiration Date Web Service Protocol Specification".

[MS-OXWSPSNTIF] Microsoft Corporation, "Push Notifications Web Service Protocol Specification".

[MS-OXWSRSLNM] Microsoft Corporation, "Resolve Recipient Names Web Service Protocol Specification".

[MS-OXWSSRCH] Microsoft Corporation, "Mailbox Search Web Service Protocol Specification".

[MS-OXWSSYNC] Microsoft Corporation, "Mailbox Contents Synchronization Web Service Protocol Specification".

[MS-OXWSTASK] Microsoft Corporation, "Tasks Web Service Protocol Specification".

[MS-OXWSUSRCFG] Microsoft Corporation, "User Configuration Web Service Protocol Specification".

[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

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

[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

[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/

[XMLSCHEMA0] Fallside, D., Ed. and Walmsley, P., Ed., "XML Schema Part 0: Primer, Second Edition", W3C Recommendation, October 2004, http://www.w3.org/TR/2004/REC-xmlschema-0-20041028/

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

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

1.2.2   Informative References

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

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

1.3   Overview

This specification defines the global elements, types, groups, and attribute groups that are common across the Web service protocols.

1.4   Relationship to Other Protocols

The information specified in this document applies to two or more Web service protocols.

1.5   Prerequisites/Preconditions

None.

1.6   Applicability Statement

The information in this specification applies to common Web service data types that are shared by two or more Web service protocols.

1.7   Versioning and Capability Negotiation

This specification does not cover versioning or capability 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 **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 document does not specify any transport-specific details.

2.2   Common Message Syntax

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

2.2.1   Namespaces

This specification defines and references various **XML namespaces** by 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	
t	http://schemas.microsoft.com/exchange/services/2006/types	
xs	http://www.w3.org/2001/XMLSchema	[XMLSCHEMA1]
tns	http://schemas.microsoft.com/exchange/services/2006/messages	
targetNamespace	http://schemas.microsoft.com/exchange/services/2006/messages	

2.2.2   Simple Types

2.2.2.1   t:BodyTypeResponseType Simple Type

The **BodyTypeResponseType** simple type specifies the type of content that is returned for the body of an item.

```
<xs:simpleType name="BodyTypeResponseType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="Best"
     />
    <xs:enumeration
      value="HTML"
     />
```

```
      <xs:enumeration
        value="Text"
       />
    </xs:restriction>
  </xs:simpleType>
```

Enumeration

The values listed in the following table are defined by the **BodyTypeResponseType** simple type.

Value	Description
Best	Specifies that the response returns the richest available body content. This is useful if it is unknown whether the content is text or **HTML**.
HTML	Specifies that the response returns an item body as HTML.
Text	Specifies that the response returns an item body as **plain text**.

2.2.2.2   t:BodyTypeType Simple Type

The **BodyTypeType** simple type specifies the item body content type.

```
  <xs:simpleType name="BodyTypeType">
    <xs:restriction
      base="xs:string"
     >
      <xs:enumeration
        value="HTML"
       />
      <xs:enumeration
        value="Text"
       />
    </xs:restriction>
  </xs:simpleType>
```

Enumeration

The following values are defined by the **BodyTypeType** simple type:

Value	Description
HTML	Specifies the item body as HTML content.
Text	Specifies the item body as text content.

2.2.2.3   t:DateTimePrecisionType Simple Type

The **DateTimePrecisionType** simple type specifies the precision for returned date/time values.<1>

```
  <xs:simpleType name="DateTimePrecisionType">
    <xs:restriction
```

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```
      base="xs:string"
  >
    <xs:enumeration
      value="Seconds"
     />
    <xs:enumeration
      value="Milliseconds"
     />
  </xs:restriction>
</xs:simpleType>
```

The following table lists the values that are defined by the **BodyTypeType** simple type.

Value	Description
Seconds	Specifies that the precision for date/time return values is seconds.
Milliseconds	Specifies that the precision for date/time return values is milliseconds.

2.2.2.4   t:DayOfWeekIndexType Simple Type

The **DayOfWeekIndexType** simple type specifies which week in a month is used in a relative recurrence pattern.

```
<xs:simpleType name="DayOfWeekIndexType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="First"
     />
    <xs:enumeration
      value="Fourth"
     />
    <xs:enumeration
      value="Last"
     />
    <xs:enumeration
      value="Second"
     />
    <xs:enumeration
      value="Third"
     />
  </xs:restriction>
</xs:simpleType>
```

Enumeration

The following values are defined by the **DayOfWeekIndexType** simple type:

Value	Description
First	Specifies that the first week in the month is used in the recurrence pattern.

Value	Description
Fourth	Specifies that the fourth week in the month is used in the recurrence pattern.
Last	Specifies that the last week in the month is used in the recurrence pattern.
Second	Specifies that the second week in the month is used in the recurrence pattern.
Third	Specifies that the third week in the month is used in the recurrence pattern.

2.2.2.5 t:DayOfWeekType Simple Type

The **DayOfWeekType** simple type specifies days of the week that are used in item recurrence patterns.

```
<xs:simpleType name="DayOfWeekType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="Day"
     />
    <xs:enumeration
      value="Friday"
     />
    <xs:enumeration
      value="Monday"
     />
    <xs:enumeration
      value="Saturday"
     />
    <xs:enumeration
      value="Sunday"
     />
    <xs:enumeration
      value="Thursday"
     />
    <xs:enumeration
      value="Tuesday"
     />
    <xs:enumeration
      value="Wednesday"
     />
    <xs:enumeration
      value="Weekday"
     />
    <xs:enumeration
      value="WeekendDay"
     />
  </xs:restriction>
</xs:simpleType>
```

Enumeration

The following values are defined by the **DayOfWeekType** simple type:

Value	Description
Day	Identifies every day as part of the recurrence pattern. This value MUST NOT be used in the **t:RelativeYearlyRecurrencePatternType** (section 2.2.3.53) and **t:WeeklyRecurrencePatternType** (section 2.2.3.64) complex types.
Friday	Identifies Fridays as part of the recurrence pattern.
Monday	Identifies Mondays as part of the recurrence pattern.
Saturday	Identifies Saturdays as part of the recurrence pattern.
Sunday	Identifies Sundays as part of the recurrence pattern.
Thursday	Identifies Thursdays as part of the recurrence pattern.
Tuesday	Identifies Tuesdays as part of the recurrence pattern.
Wednesday	Identifies Wednesdays as part of the recurrence pattern.
Weekday	Identifies weekdays as part of the recurrence pattern. This value MUST NOT be used in the **t:RelativeYearlyRecurrencePatternType** and **t:WeeklyRecurrencePatternType** types.
WeekendDay	Identifies weekend days as part of the recurrence pattern. This value MUST NOT be used in the **t:RelativeYearlyRecurrencePatternType** and **t:WeeklyRecurrencePatternType** types.

2.2.2.6   t:DaysOfWeekType Simple Type

The **DaysOfWeekType** simple type specifies days of the week that are used in item recurrence patterns.

```
<xs:simpleType name="DaysOfWeekType">
  <xs:list>
    <xs:itemType name="t:DayOfWeekType" />
  </xs:list>
</xs:simpleType>
```

The values for this type are defined in section 2.2.2.5.

The following is the syntax for this type.

```
<xs:simpleType name="DaysOfWeekType">
  <xs:list itemType="t:DayOfWeekType" />
</xs:simpleType>
```

2.2.2.7   t:DefaultShapeNamesType Simple Type

The **DefaultShapeNamesType** simple type specifies standard sets of properties to return in an item or folder response.

```
<xs:simpleType name="DefaultShapeNamesType">
  <xs:restriction
    base="xs:string"
```

```
  >
    <xs:enumeration
     value="AllProperties"
     />
    <xs:enumeration
     value="Default"
     />
    <xs:enumeration
     value="IdOnly"
     />
  </xs:restriction>
</xs:simpleType>
```

Enumeration

The following values are defined by the **DefaultShapeNamesType** simple type:

Value	Description
AllProperties	Specifies all the properties that are defined for the **AllProperties** shape. This option does not specify all available properties for an item or folder.
Default	Specifies a set of properties that are defined as the default for the item or folder.
IdOnly	Specifies only the item or folder ID.

2.2.2.8   t:DictionaryURIType Simple Type

The **DictionaryURIType** simple type specifies frequently referenced dictionary properties by **URI**.

```
<xs:simpleType name="DictionaryURIType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
     value="contactsEmailAddress"
     />
    <xs:enumeration
     value="contactsImAddress"
     />
    <xs:enumeration
     value="contactsPhoneNumber"
     />
    <xs:enumeration
     value="contactsPhysicalAddressCity"
     />
    <xs:enumeration
     value="contactsPhysicalAddressCountryOrRegion"
     />
    <xs:enumeration
     value="contactsPhysicalAddressPostalCode"
     />
    <xs:enumeration
     value="contactsPhysicalAddressState"
     />
    <xs:enumeration
```

```
        value="contactsPhysicalAddressStreet"
       />
      <xs:enumeration
       value="itemInternetMessageHeader"
       />
    </xs:restriction>
 </xs:simpleType>
```

Enumeration

The following values are defined by the **DictionaryURIType** simple type:

Value	Description
contactsEmailAddress	Specifies the **EmailAddresses** property.
contactsImAddress	Specifies the **ImAddresses** property.
contactsPhoneNumber	Specifies the **PhoneNumbers** property.
contactsPhysicalAddressCity	Specifies the **PhysicalAddressCity** property.
contactsPhysicalAddressCountryOrRegion	Specifies the **PhysicalAddressCountryOrRegion** property.
contactsPhysicalAddressPostalCode	Specifies the **PhysicalAddressPostalCode** property.
contactsPhysicalAddressState	Specifies the **PhysicalAddressState** property.
contactsPhysicalAddressStreet	Specifies the **PhysicalAddressStreet** property.
itemInternetMessageHeader	Specifies the **InternetMessageHeader** property.

2.2.2.9   t:DisposalType Simple Type

The **DisposalType** simple type specifies how an item or folder is deleted.

```
 <xs:simpleType name="DisposalType">
   <xs:restriction
     base="xs:string"
   >
     <xs:enumeration
       value="HardDelete"
      />
     <xs:enumeration
       value="MoveToDeletedItems"
      />
     <xs:enumeration
       value="SoftDelete"
      />
   </xs:restriction>
 </xs:simpleType>
```

Enumeration

The following values are defined by the **DisposalType** simple type:

Value	Description
HardDelete	Specifies that an item or folder is permanently removed from the store.
MoveToDeletedItems	Specifies that an item or folder is moved to the **Deleted Items folder**.
SoftDelete	Specifies that an item or folder is moved to the dumpster if the dumpster is enabled.

The **m:DeleteFolderType** ([MS-OXWSFOLD] section 3.1.4.4.3.2) and **m:DeleteItemType** ([MS-OXWSCORE] section 3.1.4.3.1.2) complex types MUST specify a value for **DisposalType**.

2.2.2.10 t:DistinguishedFolderIdNameType Simple Type

Note   Some of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure. For information about specific differences between versions, see the behavior notes that are provided in the Product Behavior appendix.

The **DistinguishedFolderIdNameType** simple type specifies well-known folders that can be referenced by name.<2>

```
<xs:simpleType name="DistinguishedFolderIdNameType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="calendar"
     />
    <xs:enumeration
      value="contacts"
     />
    <xs:enumeration
      value="deleteditems"
     />
    <xs:enumeration
      value="drafts"
     />
    <xs:enumeration
      value="inbox"
     />
    <xs:enumeration
      value="journal"
     />
    <xs:enumeration
      value="junkemail"
     />
    <xs:enumeration
      value="msgfolderroot"
     />
    <xs:enumeration
      value="notes"
     />
    <xs:enumeration
      value="outbox"
     />
    <xs:enumeration
```

```xml
      value="publicfoldersroot"
 />
<xs:enumeration
 value="root"
 />
<xs:enumeration
 value="searchfolders"
 />
<xs:enumeration
 value="sentitems"
 />
<xs:enumeration
 value="tasks"
 />
<xs:enumeration
 value="voicemail"
 />
<xs:enumeration
 value="recoverableitemsroot"
 />
<xs:enumeration
 value="recoverableitemsdeletions"
 />
<xs:enumeration
 value="recoverableitemsversions"
 />
<xs:enumeration
 value="recoverableitemspurges"
 />
<xs:enumeration
 value="archiveroot"
 />
<xs:enumeration
 value="archivemsgfolderroot"
 />
<xs:enumeration
 value="archivedeleteditems"
 />
<xs:enumeration
 value="archiverecoverableitemsroot"
 />
<xs:enumeration
 value="archiverecoverableitemsdeletions"
 />
<xs:enumeration
 value="archiverecoverableitemsversions"
 />
<xs:enumeration
 value="archiverecoverableitemspurges"
 />
<xs:enumeration value="syncissues" />
<xs:enumeration value="conflicts" />
<xs:enumeration value="localfailures" />
<xs:enumeration value="serverfailures" />
<xs:enumeration value="recipientcache" />
<xs:enumeration value="quickcontacts" />
<xs:enumeration value="conversationhistory" />
<xs:enumeration value="adminauditlogs" />
<xs:enumeration value="todosearch" />
```

```
        <xs:enumeration value="mycontacts" />
    </xs:restriction>
</xs:simpleType>
```

The following values are defined by the **DistinguishedFolderIdNameType** simple type:

Value	Description
calendar	Specifies the default **Calendar folder**.
contacts	Specifies the default Contacts folder.
deleteditems	Specifies the Deleted Items folder.
drafts	Specifies the **Drafts folder**.
inbox	Specifies the **Inbox folder**.
journal	Specifies the Journal folder.
junkemail	Specifies the **Junk E-mail folder**.
msgfolderroot	Specifies the message folder root.
notes	Specifies the Notes folder.
outbox	Specifies the **Outbox folder**.
publicfoldersroot	Specifies the root **public folder**.
root	Specifies the root of the **mailbox**.
searchfolders	Specifies the Search Folders folder.
sentitems	Specifies the **Sent Items folder**.
tasks	Specifies the Tasks folder.
voicemail	Specifies the Voice Mail folder.
recoverableitemsroot	Specifies the dumpster root folder.
recoverableitemsdeletions	Specifies the dumpster deletions folder.
recoverableitemsversions	Specifies the dumpster versions folder.
recoverableitemspurges	Specifies the dumpster purges folder.
archiveroot	Specifies the root archive folder.
archivemsgfolderroot	Specifies the root archive message folder.
archivedeleteditems	Specifies the archive Deleted Items folder.
archiverecoverableitemsroot	Specifies the archive recoverable items root folder.
archiverecoverableitemsdeletions	Specifies the archive recoverable items deletions folder.
archiverecoverableitemsversions	Specifies the archive recoverable items versions folder.

Value	Description
archiverecoverableitemspurges	Specifies the archive recoverable items purges folder.
syncissues	Specifies the syncissues folder.<3>
conflicts	Specifies the conflicts folder.
localfailures	Specifies the localfailures folder.<4>
serverfailures	Specifies the serverfailures folder.<5>
recipientcache	Specifies the recipientcache folder.<6>
quickcontacts	Specifies the quickcontacts folder.<7>
conversationhistory	Specifies the conversationhistory folder.<8>
adminauditlogs	Specifies the adminauditlogs folder.<9>
todosearch	Specifies the todosearch folder.<10>
mycontacts	Specifies the mycontacts folder.<11>

2.2.2.11   t:DistinguishedPropertySetType Simple Type

The **DistinguishedPropertySetType** simple type specifies the well-known property set IDs for extended properties.

```
<xs:simpleType name="DistinguishedPropertySetType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="Address"
     />
    <xs:enumeration
      value="Appointment"
     />
    <xs:enumeration
      value="CalendarAssistant"
     />
    <xs:enumeration
      value="Common"
     />
    <xs:enumeration
      value="InternetHeaders"
     />
    <xs:enumeration
      value="Meeting"
     />
    <xs:enumeration
      value="PublicStrings"
     />
    <xs:enumeration
      value="Task"
     />
    <xs:enumeration
      value="UnifiedMessaging"
```

```
            />
        </xs:restriction>
    </xs:simpleType>
```

Enumeration

The following values are defined by the **DistinguishedPropertySetType** simple type:

Value	Description
Address	Specifies the address property set ID by name.
Appointment	Specifies the appointment property set ID by name.
CalendarAssistant	Specifies the calendar assistant property set ID by name.
Common	Specifies the common property set ID by name.
InternetHeaders	Specifies the Internet headers property set ID by name.
Meeting	Specifies the meeting property set ID by name.
PublicStrings	Specifies the public strings property set ID by name.
Task	Specifies the task property set ID by name.
UnifiedMessaging	Specifies the Unified Messaging property set ID by name.

2.2.2.12   t:DistinguishedUserType Simple Type

The **DistinguishedUserType** simple type specifies distinguished user accounts.

```
<xs:simpleType name="DistinguishedUserType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="Default"
     />
    <xs:enumeration
      value="Anonymous"
     />
  </xs:restriction>
</xs:simpleType>
```

Enumeration

The following values are defined by the **DistinguishedUserType** simple type:

Value	Description
Default	Specifies the default user account.
Anonymous	Specifies the anonymous user account.

2.2.2.13   t:ExceptionPropertyURIType Simple Type

The **ExceptionPropertyURIType** simple type specifies an offending property path in an error.

```
<xs:simpleType name="ExceptionPropertyURIType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="attachmentContent"
     />
    <xs:enumeration
      value="attachmentContentType"
     />
    <xs:enumeration
      value="attachmentName"
     />
    <xs:enumeration
      value="recurrenceDayOfMonth"
     />
    <xs:enumeration
      value="recurrenceDayOfWeekIndex"
     />
    <xs:enumeration
      value="recurrenceDaysOfWeek"
     />
    <xs:enumeration
      value="recurrenceInterval"
     />
    <xs:enumeration
      value="recurrenceMonth"
     />
    <xs:enumeration
      value="recurrenceNumberOfOccurrences"
     />
    <xs:enumeration
      value="timezoneOffset"
     />
  </xs:restriction>
</xs:simpleType>
```

Enumeration

The following values are defined by the **ExceptionPropertyURIType** simple type:

Value	Description
attachmentContent	Specifies that the attachment **Content** property contains an error.
attachmentContentType	Specifies that the attachment **ContentType** property contains an error.
attachmentName	Specifies that the attachment **Name** property contains an error.
recurrenceDayOfMonth	Specifies that the recurrence **DayOfMonth** property contains an error.
recurrenceDayOfWeekIndex	Specifies that the recurrence **DayOfWeekIndex** property contains an

Value	Description
	error.
recurrenceDaysOfWeek	Specifies that the recurrence **DaysOfWeek** property contains an error.
recurrenceInterval	Specifies that the recurrence **Interval** property contains an error.
recurrenceMonth	Specifies that the recurrence **Month** property contains an error.
recurrenceNumberOfOccurrences	Specifies that the recurrence **NumberOfOccurrences** property contains an error.
timezoneOffset	Specifies that the time zone **Offset** property contains an error.

2.2.2.14   t:ExchangeVersionType Simple Type

Note   *Some of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure. For information about specific differences between versions, see the behavior notes that are provided in the Product Behavior appendix.*

The **ExchangeVersionType** simple type SHOULD<12> specify the schema version to target for a request.

```
<xs:simpleType name="ExchangeVersionType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="Exchange2007"
     />
    <xs:enumeration
      value="Exchange2007_SP1"
     />
    <xs:enumeration
      value="Exchange2010"
     />
    <xs:enumeration
      value="Exchange2010_SP1"
     />
    <xs:enumeration
      value="Exchange2010_SP2"
     />
    <xs:enumeration
      value="Exchange2012"
     />
  </xs:restriction>
</xs:simpleType>
```

The following table lists the values that are defined by the **ExchangeVersionType** simple type.

Value	Description
Exchange2007	Specifies the first version of the target Web service schema.<13>

Value	Description
Exchange2007_SP1	Specifies the second version of the target Web service schema.<14>
Exchange2010	Specifies the third version of the target Web service schema.<15>
Exchange2010_SP1	Specifies the fourth version of the target Web service schema.<16>
Exchange2010_SP2	Specifies the fifth version of the target Web service schema.<17>
Exchange2012	Specifies the sixth version of the target Web service schema. <18>

2.2.2.15   t:ExcludesAttributeType Simple Type

The **ExcludesAttributeType** simple type specifies a decimal or hexadecimal bitmask for an exclude restriction.

```
<xs:simpleType name="ExcludesAttributeType">
  <xs:restriction
    base="xs:string"
  >
    <xs:pattern
      value="((0x|0X)[0-9A-Fa-f]*)|([0-9]*)"
     />
  </xs:restriction>
</xs:simpleType>
```

Patterns

The following pattern is defined by the **ExcludesAttributeType** simple type:

```
((0x|0X)[0-9A-Fa-f]*)|([0-9]*)
```

2.2.2.16   t:LegacyFreeBusyType Simple Type

Note   Some of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure. For information about specific differences between versions, see the behavior notes that are provided in the Product Behavior appendix.

The **LegacyFreeBusyType** simple type specifies the **free/busy status** for calendar items and meeting requests.

```
<xs:simpleType name="LegacyFreeBusyType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
     value="Busy"
     />
    <xs:enumeration
      value="Free"
     />
    <xs:enumeration
      value="NoData"
```

```
         />
       <xs:enumeration
         value="OOF"
        />
       <xs:enumeration
         value="Tentative"
        />
       <xs:enumeration value="WorkingElsewhere" />
     </xs:restriction>
   </xs:simpleType>
```

The following table lists the values of the **LegacyFreeBusyType** simple type.

Value	Description
Busy	Specifies the status as busy.
Free	Specifies the status as free.
NoData	Specifies that there is no data for that recipient.
OOF	Specifies the status as **Out of Office (OOF)**.
Tentative	Specifies the status as tentative.
WorkingElsewhere	Specifies the status as working outside the office.[19]

2.2.2.17 t:MailboxTypeType Simple Type

The **MailboxTypeType** simple type specifies the type of mailbox that is represented by an e-mail address.

```
<xs:simpleType name="MailboxTypeType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="Unknown"
     />
    <xs:enumeration
      value="OneOff"
     />
    <xs:enumeration
      value="Contact"
     />
    <xs:enumeration
      value="Mailbox"
     />
    <xs:enumeration
      value="PrivateDL"
     />
    <xs:enumeration
      value="PublicDL"
     />
    <xs:enumeration
      value="PublicFolder"
     />
```

```
            </xs:restriction>
        </xs:simpleType>
```

Enumeration

The following values are defined by the **MailboxTypeType** simple type:

Value	Description
Unknown	Specifies an unknown type of mailbox.
OneOff	Specifies a one-off member of a personal **distribution list**.
Contact	Specifies contact in a user's mailbox.
Mailbox	Specifies a mail-enabled directory service object.
PrivateDL	Specifies a private distribution list in a user's mailbox.
PublicDL	Specifies a public distribution list.
PublicFolder	Specifies a public folder.

MailboxTypeType is used in the **t:EmailAddressType** complex type (section 2.2.3.27).

2.2.2.18 t:MonthNamesType Simple Type

The **MonthNamesType** simple type specifies the month in which a yearly recurring item occurs.

```
<xs:simpleType name="MonthNamesType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="January"
     />
    <xs:enumeration
      value="February"
     />
    <xs:enumeration
      value="March"
     />
    <xs:enumeration
      value="April"
     />
    <xs:enumeration
      value="May"
     />
    <xs:enumeration
      value="June"
     />
    <xs:enumeration
      value="July"
     />
    <xs:enumeration
      value="August"
```

```
      />
    <xs:enumeration
      value="September"
     />
    <xs:enumeration
      value="October"
     />
    <xs:enumeration
      value="November"
     />
    <xs:enumeration
      value="December"
     />
  </xs:restriction>
</xs:simpleType>
```

Enumeration

The following values are defined by the **MonthNamesType** simple type:

Value	Description
January	Specifies that a yearly recurring item occurs in January.
February	Specifies that a yearly recurring item occurs in February.
March	Specifies that a yearly recurring item occurs in March.
April	Specifies that a yearly recurring item occurs in April.
May	Specifies that a yearly recurring item occurs in May.
June	Specifies that a yearly recurring item occurs in June.
July	Specifies that a yearly recurring item occurs in July.
August	Specifies that a yearly recurring item occurs in August.
September	Specifies that a yearly recurring item occurs in September.
October	Specifies that a yearly recurring item occurs in October.
November	Specifies that a yearly recurring item occurs in November.
December	Specifies that a yearly recurring item occurs in December.

2.2.2.19   t:NonEmptyStringType Simple Type

The **NonEmptyStringType** simple type specifies a string that MUST have a minimum of one character.

```
<xs:simpleType name="NonEmptyStringType">
  <xs:restriction
    base="xs:string"
  >
    <xs:minLength
```

```
        value="1"
      />
    </xs:restriction>
  </xs:simpleType>
```

2.2.2.20 t:ResponseClassType Simple Type

The **ResponseClassType** simple type specifies the status states of a response.

```
<xs:simpleType name="ResponseClassType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="Error"
    />
    <xs:enumeration
      value="Success"
    />
    <xs:enumeration
      value="Warning"
    />
  </xs:restriction>
</xs:simpleType>
```

Enumeration

The following values are defined by the **ResponseClassType** simple type:

Value	Description
Error	Specifies that the request could not be processed.
Success	Specifies that the request was successfully processed.
Warning	Specifies that an unusual situation was encountered during the processing of the request and the request was not processed successfully.

2.2.2.21 m:ResponseCodeType Simple Type

Note   Some of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure. For information about specific differences between versions, see the behavior notes that are provided in the Product Behavior appendix.

The **ResponseCodeType** simple type specifies status information for the request.[20]

```
<xs:simpleType name="ResponseCodeType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="NoError"
    />
```

```xml
<xs:enumeration
 value="ErrorAccessDenied"
 />
<xs:enumeration
 value="ErrorAccessModeSpecified"
 />
<xs:enumeration
 value="ErrorAccountDisabled"
 />
<xs:enumeration
 value="ErrorAddDelegatesFailed"
 />
<xs:enumeration
 value="ErrorAddressSpaceNotFound"
 />
<xs:enumeration
 value="ErrorADOperation"
 />
<xs:enumeration
 value="ErrorADSessionFilter"
 />
<xs:enumeration
 value="ErrorADUnavailable"
 />
<xs:enumeration
 value="ErrorAffectedTaskOccurrencesRequired"
 />
<xs:enumeration value="ErrorAttachmentNestLevelLimitExceeded" />
<xs:enumeration
 value="ErrorAttachmentSizeLimitExceeded"
 />
<xs:enumeration
 value="ErrorBatchProcessingStopped"
 />
<xs:enumeration
 value="ErrorCalendarCannotMoveOrCopyOccurrence"
 />
<xs:enumeration
 value="ErrorCalendarCannotUpdateDeletedItem"
 />
<xs:enumeration
 value="ErrorCalendarCannotUseIdForOccurrenceId"
 />
<xs:enumeration
 value="ErrorCalendarCannotUseIdForRecurringMasterId"
 />
<xs:enumeration
 value="ErrorCalendarDurationIsTooLong"
 />
<xs:enumeration
 value="ErrorCalendarEndDateIsEarlierThanStartDate"
 />
<xs:enumeration
 value="ErrorCalendarFolderIsInvalidForCalendarView"
 />
<xs:enumeration
 value="ErrorCalendarInvalidAttributeValue"
 />
<xs:enumeration
```

```
                value="ErrorCalendarInvalidDayForTimeChangePattern"
     />
    <xs:enumeration
      value="ErrorCalendarInvalidDayForWeeklyRecurrence"
     />
    <xs:enumeration
      value="ErrorCalendarInvalidPropertyState"
     />
    <xs:enumeration
      value="ErrorCalendarInvalidPropertyValue"
     />
    <xs:enumeration
      value="ErrorCalendarInvalidRecurrence"
     />
    <xs:enumeration
      value="ErrorCalendarInvalidTimeZone"
     />
    <xs:enumeration
      value="ErrorCalendarIsCancelledForAccept"
     />
    <xs:enumeration
      value="ErrorCalendarIsCancelledForDecline"
     />
    <xs:enumeration
      value="ErrorCalendarIsCancelledForRemove"
     />
    <xs:enumeration
      value="ErrorCalendarIsCancelledForTentative"
     />
    <xs:enumeration
      value="ErrorCalendarIsDelegatedForAccept"
     />
    <xs:enumeration
      value="ErrorCalendarIsDelegatedForDecline"
     />
    <xs:enumeration
      value="ErrorCalendarIsDelegatedForRemove"
     />
    <xs:enumeration
      value="ErrorCalendarIsDelegatedForTentative"
     />
    <xs:enumeration
      value="ErrorCalendarIsNotOrganizer"
     />
    <xs:enumeration
      value="ErrorCalendarIsOrganizerForAccept"
     />
    <xs:enumeration
      value="ErrorCalendarIsOrganizerForDecline"
     />
    <xs:enumeration
      value="ErrorCalendarIsOrganizerForRemove"
     />
    <xs:enumeration
      value="ErrorCalendarIsOrganizerForTentative"
     />
    <xs:enumeration
      value="ErrorCalendarOccurrenceIndexIsOutOfRecurrenceRange"
     />
```

```
<xs:enumeration
 value="ErrorCalendarOccurrenceIsDeletedFromRecurrence"
 />
<xs:enumeration
 value="ErrorCalendarOutOfRange"
 />
<xs:enumeration
 value="ErrorCalendarMeetingRequestIsOutOfDate"
 />
<xs:enumeration
 value="ErrorCalendarViewRangeTooBig"
 />
<xs:enumeration
 value="ErrorCallerIsInvalidADAccount"
 />
<xs:enumeration
 value="ErrorCannotCreateCalendarItemInNonCalendarFolder"
 />
<xs:enumeration
 value="ErrorCannotCreateContactInNonContactFolder"
 />
<xs:enumeration
 value="ErrorCannotCreatePostItemInNonMailFolder"
 />
<xs:enumeration
 value="ErrorCannotCreateTaskInNonTaskFolder"
 />
<xs:enumeration
 value="ErrorCannotDeleteObject"
 />
<xs:enumeration
 value="ErrorCannotOpenFileAttachment"
 />
<xs:enumeration
 value="ErrorCannotDeleteTaskOccurrence"
 />
<xs:enumeration
 value="ErrorCannotEmptyFolder"
 />
<xs:enumeration
 value="ErrorCannotSetCalendarPermissionOnNonCalendarFolder"
 />
<xs:enumeration
 value="ErrorCannotSetNonCalendarPermissionOnCalendarFolder"
 />
<xs:enumeration
 value="ErrorCannotSetPermissionUnknownEntries"
 />
<xs:enumeration
 value="ErrorCannotUseFolderIdForItemId"
 />
<xs:enumeration
 value="ErrorCannotUseItemIdForFolderId"
 />
<xs:enumeration
 value="ErrorChangeKeyRequired"
 />
<xs:enumeration
 value="ErrorChangeKeyRequiredForWriteOperations"
```

```xml
 />
<xs:enumeration
  value="ErrorClientDisconnected"
 />
<xs:enumeration
  value="ErrorConnectionFailed"
 />
<xs:enumeration
  value="ErrorContainsFilterWrongType"
 />
<xs:enumeration
  value="ErrorContentConversionFailed"
 />
<xs:enumeration
  value="ErrorContentIndexingNotEnabled"
 />
<xs:enumeration
  value="ErrorCorruptData"
 />
<xs:enumeration
  value="ErrorCreateItemAccessDenied"
 />
<xs:enumeration
  value="ErrorCreateManagedFolderPartialCompletion"
 />
<xs:enumeration
  value="ErrorCreateSubfolderAccessDenied"
 />
<xs:enumeration
  value="ErrorCrossMailboxMoveCopy"
 />
<xs:enumeration
  value="ErrorCrossSiteRequest"
 />
<xs:enumeration
  value="ErrorDataSizeLimitExceeded"
 />
<xs:enumeration
  value="ErrorDataSourceOperation"
 />
<xs:enumeration
  value="ErrorDelegateAlreadyExists"
 />
<xs:enumeration
  value="ErrorDelegateCannotAddOwner"
 />
<xs:enumeration
  value="ErrorDelegateMissingConfiguration"
 />
<xs:enumeration
  value="ErrorDelegateNoUser"
 />
<xs:enumeration
  value="ErrorDelegateValidationFailed"
 />
<xs:enumeration
  value="ErrorDeleteDistinguishedFolder"
 />
<xs:enumeration
```

```xml
         value="ErrorDeleteItemsFailed"
  />
 <xs:enumeration
  value="ErrorDeleteUnifiedMessagingPromptFailed"
  />
 <xs:enumeration
  value="ErrorDistinguishedUserNotSupported"
  />
 <xs:enumeration
  value="ErrorDistributionListMemberNotExist"
  />
 <xs:enumeration
  value="ErrorDuplicateInputFolderNames"
  />
 <xs:enumeration
  value="ErrorDuplicateUserIdsSpecified"
  />
 <xs:enumeration
  value="ErrorEmailAddressMismatch"
  />
 <xs:enumeration
  value="ErrorEventNotFound"
  />
 <xs:enumeration
  value="ErrorExceededConnectionCount"
  />
 <xs:enumeration
  value="ErrorExceededSubscriptionCount"
  />
 <xs:enumeration
  value="ErrorExceededFindCountLimit"
  />
 <xs:enumeration
  value="ErrorExpiredSubscription"
  />
 <xs:enumeration
  value="ErrorExternalFacingCAS"
  />
 <xs:enumeration
  value="ErrorFolderCorrupt"
  />
 <xs:enumeration
  value="ErrorFolderNotFound"
  />
 <xs:enumeration
  value="ErrorFolderPropertRequestFailed"
  />
 <xs:enumeration
  value="ErrorFolderSave"
  />
 <xs:enumeration
  value="ErrorFolderSaveFailed"
  />
 <xs:enumeration
  value="ErrorFolderSavePropertyError"
  />
 <xs:enumeration
  value="ErrorFolderExists"
  />
```

```
<xs:enumeration
 value="ErrorFreeBusyGenerationFailed"
 />
<xs:enumeration
 value="ErrorGetServerSecurityDescriptorFailed"
 />
<xs:enumeration
 value="ErrorImContactLimitReached"
 />
<xs:enumeration
 value="ErrorImGroupDisplayNameAlreadyExists"
 />
<xs:enumeration
 value="ErrorImGroupLimitReached"
 />
<xs:enumeration
 value="ErrorImpersonateUserDenied"
 />
<xs:enumeration
 value="ErrorImpersonationDenied"
 />
<xs:enumeration
 value="ErrorImpersonationFailed"
 />
<xs:enumeration
 value="ErrorIncorrectSchemaVersion"
 />
<xs:enumeration
 value="ErrorIncorrectUpdatePropertyCount"
 />
<xs:enumeration
 value="ErrorIndividualMailboxLimitReached"
 />
<xs:enumeration
 value="ErrorInsufficientResources"
 />
<xs:enumeration
 value="ErrorInternalServerError"
 />
<xs:enumeration
 value="ErrorInternalServerTransientError"
 />
<xs:enumeration
 value="ErrorInvalidAccessLevel"
 />
<xs:enumeration
 value="ErrorInvalidArgument"
 />
<xs:enumeration
 value="ErrorInvalidAttachmentId"
 />
<xs:enumeration
 value="ErrorInvalidAttachmentSubfilter"
 />
<xs:enumeration
 value="ErrorInvalidAttachmentSubfilterTextFilter"
 />
<xs:enumeration
 value="ErrorInvalidAuthorizationContext"
```

```
  />
<xs:enumeration
  value="ErrorInvalidChangeKey"
 />
<xs:enumeration
  value="ErrorInvalidClientSecurityContext"
 />
<xs:enumeration
  value="ErrorInvalidCompleteDate"
 />
<xs:enumeration
  value="ErrorInvalidContactEmailAddress"
 />
<xs:enumeration
  value="ErrorInvalidContactEmailIndex"
 />
<xs:enumeration
  value="ErrorInvalidCrossForestCredentials"
 />
<xs:enumeration
  value="ErrorInvalidDelegatePermission"
 />
<xs:enumeration
  value="ErrorInvalidDelegateUserId"
 />
<xs:enumeration
  value="ErrorInvalidExcludesRestriction"
 />
<xs:enumeration
  value="ErrorInvalidExpressionTypeForSubFilter"
 />
<xs:enumeration
  value="ErrorInvalidExtendedProperty"
 />
<xs:enumeration
  value="ErrorInvalidExtendedPropertyValue"
 />
<xs:enumeration
  value="ErrorInvalidFolderId"
 />
<xs:enumeration
  value="ErrorInvalidFolderTypeForOperation"
 />
<xs:enumeration
  value="ErrorInvalidFractionalPagingParameters"
 />
<xs:enumeration
  value="ErrorInvalidFreeBusyViewType"
 />
<xs:enumeration
  value="ErrorInvalidId"
 />
<xs:enumeration
  value="ErrorInvalidIdEmpty"
 />
<xs:enumeration
  value="ErrorInvalidIdMalformed"
 />
<xs:enumeration
```

```
      value="ErrorInvalidIdMalformedEwsLegacyIdFormat"
 />
<xs:enumeration
  value="ErrorInvalidIdMonikerTooLong"
 />
<xs:enumeration
  value="ErrorInvalidIdNotAnItemAttachmentId"
 />
<xs:enumeration
  value="ErrorInvalidIdReturnedByResolveNames"
 />
<xs:enumeration
  value="ErrorInvalidIdStoreObjectIdTooLong"
 />
<xs:enumeration
  value="ErrorInvalidIdTooManyAttachmentLevels"
 />
<xs:enumeration
  value="ErrorInvalidIdXml"
 />
<xs:enumeration
  value="ErrorInvalidImContactId"
 />
<xs:enumeration
  value="ErrorInvalidImDistributionGroupSmtpAddress"
 />
<xs:enumeration
  value="ErrorInvalidImGroupId"
 />
<xs:enumeration
  value="ErrorInvalidIndexedPagingParameters"
 />
<xs:enumeration
  value="ErrorInvalidInternetHeaderChildNodes"
 />
<xs:enumeration
  value="ErrorInvalidItemForOperationCreateItemAttachment"
 />
<xs:enumeration
  value="ErrorInvalidItemForOperationCreateItem"
 />
<xs:enumeration
  value="ErrorInvalidItemForOperationAcceptItem"
 />
<xs:enumeration
  value="ErrorInvalidItemForOperationDeclineItem"
 />
<xs:enumeration
  value="ErrorInvalidItemForOperationCancelItem"
 />
<xs:enumeration
  value="ErrorInvalidItemForOperationExpandDL"
 />
<xs:enumeration
  value="ErrorInvalidItemForOperationRemoveItem"
 />
<xs:enumeration
  value="ErrorInvalidItemForOperationSendItem"
 />
```

```
<xs:enumeration
 value="ErrorInvalidItemForOperationTentative"
 />
<xs:enumeration
 value="ErrorInvalidLogonType"
 />
<xs:enumeration
 value="ErrorInvalidMailbox"
 />
<xs:enumeration
 value="ErrorInvalidManagedFolderProperty"
 />
<xs:enumeration
 value="ErrorInvalidManagedFolderQuota"
 />
<xs:enumeration
 value="ErrorInvalidManagedFolderSize"
 />
<xs:enumeration
 value="ErrorInvalidMergedFreeBusyInterval"
 />
<xs:enumeration
 value="ErrorInvalidNameForNameResolution"
 />
<xs:enumeration
 value="ErrorInvalidOperation"
 />
<xs:enumeration
 value="ErrorInvalidNetworkServiceContext"
 />
<xs:enumeration
 value="ErrorInvalidOofParameter"
 />
<xs:enumeration
 value="ErrorInvalidPagingMaxRows"
 />
<xs:enumeration
 value="ErrorInvalidParentFolder"
 />
<xs:enumeration
 value="ErrorInvalidPercentCompleteValue"
 />
<xs:enumeration
 value="ErrorInvalidPermissionSettings"
 />
<xs:enumeration
 value="ErrorInvalidPhoneCallId"
 />
<xs:enumeration
 value="ErrorInvalidPhoneNumber"
 />
<xs:enumeration
 value="ErrorInvalidUserInfo"
 />
<xs:enumeration
 value="ErrorInvalidPropertyAppend"
 />
<xs:enumeration
 value="ErrorInvalidPropertyDelete"
```

```
     />
    <xs:enumeration
     value="ErrorInvalidPropertyForExists"
     />
    <xs:enumeration
     value="ErrorInvalidPropertyForOperation"
     />
    <xs:enumeration
     value="ErrorInvalidPropertyRequest"
     />
    <xs:enumeration
     value="ErrorInvalidPropertySet"
     />
    <xs:enumeration
     value="ErrorInvalidPropertyUpdateSentMessage"
     />
    <xs:enumeration
     value="ErrorInvalidProxySecurityContext"
     />
    <xs:enumeration
     value="ErrorInvalidPullSubscriptionId"
     />
    <xs:enumeration
     value="ErrorInvalidPushSubscriptionUrl"
     />
    <xs:enumeration
     value="ErrorInvalidRecipients"
     />
    <xs:enumeration
     value="ErrorInvalidRecipientSubfilter"
     />
    <xs:enumeration
     value="ErrorInvalidRecipientSubfilterComparison"
     />
    <xs:enumeration
     value="ErrorInvalidRecipientSubfilterOrder"
     />
    <xs:enumeration
     value="ErrorInvalidRecipientSubfilterTextFilter"
     />
    <xs:enumeration
     value="ErrorInvalidReferenceItem"
     />
    <xs:enumeration
     value="ErrorInvalidRequest"
     />
    <xs:enumeration
     value="ErrorInvalidRestriction"
     />
    <xs:enumeration
     value="ErrorInvalidRetentionTagTypeMismatch"
     />
    <xs:enumeration
     value="ErrorInvalidRetentionTagInvisible"
     />
    <xs:enumeration
     value="ErrorInvalidRetentionTagInheritance"
     />
    <xs:enumeration
```

```
    value="ErrorInvalidRoutingType"
 />
<xs:enumeration
  value="ErrorInvalidScheduledOofDuration"
 />
<xs:enumeration
  value="ErrorInvalidSchemaVersionForMailboxVersion"
 />
<xs:enumeration
  value="ErrorInvalidSecurityDescriptor"
 />
<xs:enumeration
  value="ErrorInvalidSendItemSaveSettings"
 />
<xs:enumeration
  value="ErrorInvalidSerializedAccessToken"
 />
<xs:enumeration
  value="ErrorInvalidServerVersion"
 />
<xs:enumeration
  value="ErrorInvalidSid"
 />
<xs:enumeration
  value="ErrorInvalidSIPUri"
 />
<xs:enumeration
  value="ErrorInvalidSmtpAddress"
 />
<xs:enumeration
  value="ErrorInvalidSubfilterType"
 />
<xs:enumeration
  value="ErrorInvalidSubfilterTypeNotAttendeeType"
 />
<xs:enumeration
  value="ErrorInvalidSubfilterTypeNotRecipientType"
 />
<xs:enumeration
  value="ErrorInvalidSubscription"
 />
<xs:enumeration
  value="ErrorInvalidSubscriptionRequest"
 />
<xs:enumeration
  value="ErrorInvalidSyncStateData"
 />
<xs:enumeration
  value="ErrorInvalidTimeInterval"
 />
<xs:enumeration
  value="ErrorInvalidUserOofSettings"
 />
<xs:enumeration
  value="ErrorInvalidUserPrincipalName"
 />
<xs:enumeration
  value="ErrorInvalidUserSid"
 />
```

```xml
<xs:enumeration
 value="ErrorInvalidUserSidMissingUPN"
 />
<xs:enumeration
 value="ErrorInvalidValueForProperty"
 />
<xs:enumeration
 value="ErrorInvalidWatermark"
 />
<xs:enumeration
 value="ErrorIPGatewayNotFound"
 />
<xs:enumeration
 value="ErrorIrresolvableConflict"
 />
<xs:enumeration
 value="ErrorItemCorrupt"
 />
<xs:enumeration
 value="ErrorItemNotFound"
 />
<xs:enumeration
 value="ErrorItemPropertyRequestFailed"
 />
<xs:enumeration
 value="ErrorItemSave"
 />
<xs:enumeration
 value="ErrorItemSavePropertyError"
 />
<xs:enumeration
 value="ErrorLegacyMailboxFreeBusyViewTypeNotMerged"
 />
<xs:enumeration
 value="ErrorLocalServerObjectNotFound"
 />
<xs:enumeration
 value="ErrorLogonAsNetworkServiceFailed"
 />
<xs:enumeration
 value="ErrorMailboxConfiguration"
 />
<xs:enumeration
 value="ErrorMailboxDataArrayEmpty"
 />
<xs:enumeration
 value="ErrorMailboxDataArrayTooBig"
 />
<xs:enumeration
 value="ErrorMailboxLogonFailed"
 />
<xs:enumeration
 value="ErrorMailboxMoveInProgress"
 />
<xs:enumeration
 value="ErrorMailboxStoreUnavailable"
 />
<xs:enumeration
 value="ErrorMailRecipientNotFound"
```

```
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      />
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<xs:enumeration
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                    />
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                    />
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 <xs:enumeration value="ErrorDuplicateLegacyDistinguishedName" />
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 <xs:enumeration value="ErrorNoSpeechDetected" />
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 <xs:enumeration value="ErrorLocationServicesRequestFailed"/>
 <xs:enumeration value="ErrorLocationServicesInvalidRequest"/>
 <xs:enumeration value="ErrorMailboxScopeNotAllowedWithoutQueryString" />
 <xs:enumeration value="ErrorArchiveMailboxSearchFailed" />
 <xs:enumeration value="ErrorArchiveMailboxServiceDiscoveryFailed" />

   </xs:restriction>
 </xs:simpleType>
```

Enumeration

The following values are defined by the **ResponseCodeType** simple type:

Value	Description
NoError	Specifies that no errors occurred.
ErrorAccessDenied	Specifies that the calling account does not have the rights to perform the action requested.
ErrorAccessModeSpecified	This error is for internal use only. This error is not returned.
ErrorAccountDisabled	Specifies that the account has been disabled.
ErrorAddDelegatesFailed	Occurs when a list with added delegates cannot be saved.
ErrorAddressSpaceNotFound	Specifies that the address space record, or Domain Name System (DNS) domain name, for cross-forest availability could not be found in the directory service.
ErrorADOperation	Specifies that the operation failed because of communication problems with the directory service.
ErrorADSessionFilter	Specifies that the **ResolveNames** operation ([MS-

Value	Description
	OXWSRSLNM] section 3.1.4.1) request specifies an invalid name.
ErrorADUnavailable	Specifies that the directory service is unavailable. Try your request again later.
ErrorAffectedTaskOccurrencesRequired	Specifies that the **AffectedTaskOccurrences** property value is missing. This value is required when you are deleting a task.
ErrorAttachmentNestLevelLimitExceeded	Specifies that an attempt was made to create an item with more than 10 nested attachments. This error SHOULD be returned if an attempt is made at adding an eleventh nested attachment<21>.
ErrorAttachmentSizeLimitExceeded	Specifies that the size of the attachment exceeds Int32.MaxValue, in bytes. This response code is applicable to the **CreateAttachment** and **GetAttachment** methods.
ErrorBatchProcessingStopped	Specifies that the previous item in the request failed in such a way that Exchange Web Services stopped processing the remaining items in the request. All remaining items are marked with the **ErrorBatchProcessingStopped** error.
ErrorCalendarCannotMoveOrCopyOccurrence	Specifies that an attempt was made to move or copy an occurrence of a recurring calendar item.
ErrorCalendarCannotUpdateDeletedItem	Specifies that an attempt was made to update a calendar item that is located in the Deleted Items folder, and the update in question would send out a meeting invite.
ErrorCalendarCannotUseIdForOccurrenceId	Specifies that the **OccurrenceId** does not correspond to a valid occurrence of the **recurringMasterId**.
ErrorCalendarCannotUseIdForRecurringMasterId	Specifies that the **recurringMasterId** does not correspond to a valid occurrence of the **OccurrenceId**.
ErrorCalendarDurationIsTooLong	Specifies that the item duration of a calendar item exceeds five years.
ErrorCalendarEndDateIsEarlierThanStartDate	Specifies that the end date/time MUST be changed so that it is greater than the start date/time.
ErrorCalendarFolderIsInvalidForCalendarView	Specifies that the find operation that is using the **CalendarViewType** object is not for a calendar folder.
ErrorCalendarInvalidAttributeValue	This response code is not used.
ErrorCalendarInvalidDayForTimeChangePattern	Specifies that invalid values of **Day**, **WeekDay**, and **WeekendDay** were used to define the time change pattern.
ErrorCalendarInvalidDayForWeeklyRecurrence	Specifies that invalid values of **Day**, **WeekDay**, and **WeekendDay** were used to specify the weekly recurrence.
ErrorCalendarInvalidPropertyState	Specifies that the state of the calendar item recurrence binary large object (BLOB) in the store is invalid.
ErrorCalendarInvalidPropertyValue	This response code is not used.

Value	Description
ErrorCalendarInvalidRecurrence	Specifies that the internal structure of the objects that represent the recurrence is invalid.
ErrorCalendarInvalidTimeZone	Specifies that an invalid time zone was encountered.
ErrorCalendarIsCancelledForAccept	Specifies that a calendar item has been cancelled. This error code MUST be returned when responding to a meeting request with an **t:AcceptItemType** (section) response object after a meeting has been cancelled.
ErrorCalendarIsCancelledForDecline	Specifies that a calendar item has been cancelled. This error code MUST be returned when responding to a meeting request with a **t:DeclineItemType** (section) response object after a meeting has been cancelled.
ErrorCalendarIsCancelledForRemove	Specifies that a calendar item has been cancelled. This error code MUST be returned when responding to a meeting request with a **t:RemoveItemType** (section) response object after a meeting has been cancelled.
ErrorCalendarIsCancelledForTentative	Specifies that a calendar item has been cancelled. This error code MUST be returned when responding to a meeting request with a **t:TentativelyAcceptItemType** (section) response object after a meeting has been cancelled.
ErrorCalendarIsDelegatedForAccept	Specifies that delegate access cannot be used to accept a meeting request.
ErrorCalendarIsDelegatedForDecline	Specifies that delegate access cannot be used to decline a meeting request.
ErrorCalendarIsDelegatedForRemove	Specifies that delegate access cannot be used to delete a meeting request.
ErrorCalendarIsDelegatedForTentative	Specifies that delegate access cannot be used to tentatively accept a meeting request.
ErrorCalendarIsNotOrganizer	Specifies that a meeting cannot be canceled by someone other than the organizer.
ErrorCalendarIsOrganizerForAccept	Specifies that the meeting organizer cannot accept the meeting. Only attendees can accept meeting requests.
ErrorCalendarIsOrganizerForDecline	Specifies that the meeting organizer cannot decline the meeting. Only attendees can decline meeting requests.
ErrorCalendarIsOrganizerForRemove	Specifies that the meeting organizer cannot remove a meeting from the calendar. The organizer can only remove the meeting by canceling the meeting. Only attendees can remove a calendar item.
ErrorCalendarIsOrganizerForTentative	Specifies that the meeting organizer cannot tentatively accept a meeting. Only attendees can tentatively accept meeting requests.
ErrorCalendarOccurrenceIndexIsOutOfRecurrenceRange	Occurs when the occurrence index that is specified in the **OccurrenceId** property does not correspond to a valid occurrence. (for example, if your recurrence pattern defines a set of three meeting occurrences and you try to access the

Value	Description
	fifth occurrence).
ErrorCalendarOccurrenceIsDeletedFromRecurrence	Occurs when the occurrence index that is specified in the **OccurrenceId** property corresponds to a deleted instance.
ErrorCalendarOutOfRange	Occurs when a recurrence pattern is defined that contains a value for a month, day, or week that is out of range, such as the seventh week of the month.
ErrorCalendarMeetingRequestIsOutOfDate	Specifies that the calendar item associated with the meeting request has been updated since the meeting request was sent.
ErrorCalendarViewRangeTooBig	Occurs when the range for calendar paging is larger than two years.
ErrorCallerIsInvalidADAccount	Specifies that the requesting account is not a valid account in the directory database.
ErrorCannotCreateCalendarItemInNonCalendarFolder	Occurs when you are creating a calendar item and the **SavedItemFolderId** property refers to a folder other than the Calendar folder.
ErrorCannotCreateContactInNonContactFolder	Specifies that an attempt was made to create a contact in a folder other than the Contacts folder.
ErrorCannotCreatePostItemInNonMailFolder	Specifies that a post item can be created only in a Mail folder.
ErrorCannotCreateTaskInNonTaskFolder	Occurs when you are creating a task and the **SavedItemFolderId** property refers to a folder other than the Tasks folder.
ErrorCannotDeleteObject	Specifies that the item or folder to be deleted cannot be deleted.
ErrorCannotOpenFileAttachment	Occurs when the attachment stream does not open.
ErrorCannotDeleteTaskOccurrence	Specifies that you cannot delete an occurrence of a nonrecurring task and you cannot delete the last occurrence of a recurring task.
ErrorCannotEmptyFolder	This error MUST be returned when the server cannot empty a folder.
ErrorCannotSetCalendarPermissionOnNonCalendarFolder	Specifies that the caller tried to set calendar permissions on a folder other than the Calendar folder.
ErrorCannotSetNonCalendarPermissionOnCalendarFolder	Specifies that the caller tried to set non-Calendar folder permissions on a Calendar folder.
ErrorCannotSetPermissionUnknownEntries	Specifies that you cannot set unknown permissions in a permissions set.
ErrorCannotUseFolderIdForItemId	Occurs when the ID that was passed represents a folder instead of an item.
ErrorCannotUseItemIdForFolderId	Occurs when the ID that was passed in represents an item instead of a folder.

Value	Description
ErrorChangeKeyRequired	This response code has been replaced by ErrorChangeKeyRequiredForWriteOperations.
ErrorChangeKeyRequiredForWriteOperations	Specifies that a valid change key MUST be provided when you are performing certain update operations.
ErrorClientDisconnected	Specifies that the client was disconnected.
ErrorConnectionFailed	Occurs when Exchange Web Services cannot connect to the mailbox.
ErrorContainsFilterWrongType	Specifies that the property inspected for a Contains filter is not a string type. This error code MUST be returned when a Contains filter is used with a property that is not a string type.
ErrorContentConversionFailed	Occurs when Exchange Web Services is unable to retrieve the Multipurpose Internet Mail Extensions (MIME) content for the item that was retrieved by the **GetItem** method, or it is unable to create the item from the **CreateItem** method.
ErrorContentIndexingNotEnabled	<22>
ErrorCorruptData	Specifies that the data is corrupted and cannot be processed.
ErrorCreateItemAccessDenied	Specifies that the caller does not have the necessary permissions to create the item.
ErrorCreateManagedFolderPartialCompletion	Specifies that one or more of the managed folders that were passed to the **CreateManagedFolder** method failed to be created. Search for each folder to determine which folders were created and which ones do not exist.
ErrorCreateSubfolderAccessDenied	Specifies that the calling account does not have the proper permissions to create the subfolder.
ErrorCrossMailboxMoveCopy	Specifies that the item or folder cannot be moved from one mailbox to another.
ErrorCrossSiteRequest	Specifies that the request is not allowed because the server that services the request is in a different site than the requested resource.
ErrorDataSizeLimitExceeded	Specifies that either the data that you were trying to set exceeded the maximum size for the property, or the value is large enough to require streaming and the property does not support streaming, such as for folder properties.
ErrorDataSourceOperation	Occurs when the underlying data provider failed to complete the operation.
ErrorDelegateAlreadyExists	Occurs in an **AddDelegate** method call when the specified user already exists in the list of delegates.
ErrorDelegateCannotAddOwner	Occurs in an **AddDelegate** method call when the specified user to be added is the owner of the mailbox.
ErrorDelegateMissingConfiguration	Occurs in a **GetDelegate** method call when there is either no delegate information on a local **free/busy message** or no

Value	Description
	Active Directory directory service public delegate (no public delegate or no Send On Behalf entry in the directory service).
ErrorDelegateNoUser	Occurs when a specified user cannot be mapped to a user in the directory service.
ErrorDelegateValidationFailed	Occurs in an **AddDelegate** method call when an added delegate user is not valid.
ErrorDeleteDistinguishedFolder	Specifies that you cannot delete a distinguished folder.
ErrorDeleteItemsFailed	This response code is not used.
ErrorDeleteUnifiedMessagingPromptFailed	<23>
ErrorDistinguishedUserNotSupported	Specifies that a distinguished user ID is not valid for the operation. The **DistinguishedUserType** simple type SHOULD NOT be present in the request.
ErrorDistributionListMemberNotExist	Specifies that a particular request distribution list member does not exist in the distribution list.
ErrorDuplicateInputFolderNames	Occurs when there are duplicate folder names in the array that was passed to the **CreateManagedFolder** method.
ErrorDuplicateUserIdsSpecified	Specifies that a duplicate user ID has been found in a permission set, that either Default or Anonymous is set more than once, or that there are duplicate SIDs or recipients.
ErrorEmailAddressMismatch	Occurs when the e-mail address for the distinguished folder ID does not match the mailbox that you are operating on. For example, you cannot create a search folder that exists in one mailbox but considers distinguished folders from another mailbox in its search criteria.
ErrorEventNotFound	Specifies that the subscription that was created with a particular watermark is no longer valid.
ErrorExceededConnectionCount	Specifies that there are more concurrent requests against the server than are allowed by a user's policy. This error MUST be returned when that occurs.
ErrorExceededSubscriptionCount	Specifies that a user's throttling policy maximum subscription count has been exceeded. This error MUST be returned when that occurs. Active subscriptions MUST be deleted before additional subscriptions can be created if this error occurs.
ErrorExceededFindCountLimit	Specifies that a search operation call has exceeded the total number of items that can be returned.
ErrorExpiredSubscription	Specifies that the subscription that is referenced by the **GetEvents** method has expired.
ErrorExternalFacingCAS	Specifies that a user's mailbox resides in a different directory service site and that the site contains an external-facing server. This error code MUST be returned when that occurs. The user MUST use the Autodiscover Publishing and Lookup SOAP-Based Web Service protocol [MS-OXWSADISC] to look up the correct server to connect to a mailbox.

Value	Description
ErrorFolderCorrupt	Specifies that the folder is corrupted and cannot be saved.
ErrorFolderNotFound	Specifies that the folder ID that was passed in does not correspond to a valid folder, or that the delegate does not have permissions to access the folder.
ErrorFolderPropertRequestFailed	Specifies that the requested property could not be retrieved. This does not indicate that the property does not exist, but that the property was corrupted in some way so that the retrieval failed.
ErrorFolderSave	Specifies that the folder could not be created or saved because of an invalid state.
ErrorFolderSaveFailed	Specifies that the folder could not be created or saved because of an invalid state.
ErrorFolderSavePropertyError	Specifies that the folder could not be created or updated because of invalid property values. The response code lists the properties that caused the problem.
ErrorFolderExists	Specifies that a folder that has the specified name already exists. Duplicate folder names are not allowed within the same parent folder.
ErrorFreeBusyGenerationFailed	Occurs when free/busy information cannot be retrieved because of an intervening failure.
ErrorGetServerSecurityDescriptorFailed	This response code is not used.
ErrorImContactLimitReached	<24>
ErrorImGroupDisplayNameAlreadyExists	<25>
ErrorImGroupLimitReached	<26>
ErrorImpersonateUserDenied	Specifies that the calling account does not have the ms-Exch-EPI-May-Impersonate right on either the user or contact that it is trying to impersonate or the mailbox database that contains the user mailbox. This response code is returned within a SOAP fault.
ErrorImpersonationDenied	Specifies that the calling account does not have the ms-Exch-EPI-Impersonation right on the Client Access server that it is calling. This response code is returned within a SOAP fault.
ErrorImpersonationFailed	Specifies that there was an unexpected error when an attempt was made to perform server-to-server authentication. This response code typically indicates either that the service account that is running the Exchange Web Services application pool is configured incorrectly, that Exchange Web Services cannot talk to the directory, or that a trust between forests is not correctly configured.
ErrorIncorrectSchemaVersion	Specifies that the request was valid for the current server version but was invalid for the request server version that was specified.
ErrorIncorrectUpdatePropertyCount	Specifies that each change description in an **UpdateItem** or

Value	Description
	UpdateFolder method call MUST list only one property to be updated.
ErrorIndividualMailboxLimitReached	Occurs when the request contains too many attendees to be resolved. By default, the maximum number of attendees to be resolved is 100.
ErrorInsufficientResources	Specifies that the mailbox server is overloaded. Try your request again later.
ErrorInternalServerError	Specifies that Exchange Web Services encountered an error that it could not recover from, and there is not a more specific response code associated with the error that occurred.
ErrorInternalServerTransientError	Specifies that an internal server error occurred and that you SHOULD try your request again later.
ErrorInvalidAccessLevel	Specifies that the level of access that the caller has on the free/busy data is invalid.
ErrorInvalidArgument	Specifies an error caused by all invalid arguments passed to the **GetMessageTrackingReport** operation ([MS-OXWSMTRK] section 3.1.4.2). This error MUST be returned in the following scenarios: ▪ The user specified in the sending-as parameter does not exist in the directory. ▪ The user specified in the sending-as parameter is not unique in the directory. ▪ The sending-as address is empty. ▪ The sending-as address is not a valid e-mail address.
ErrorInvalidAttachmentId	Specifies that the attachment was not found within the attachments collection for the item. For example, you might receive this response code if you have an attachment ID and then the attachment is deleted and you try to call the **GetAttachment** method on the attachment ID.
ErrorInvalidAttachmentSubfilter	Occurs when you try to bind to an existing search folder by using a complex attachment table restriction. Exchange Web Services supports only simple contains filters against the attachment table. If you try to bind to an existing search folder that has a more complex attachment table restriction (a subfilter), Exchange Web Services cannot render the XML for that filter and returns this response code. Note that you can still call the **GetFolder** method on the folder, but do not request the **SearchParameters** property.
ErrorInvalidAttachmentSubfilterTextFilter	Occurs when you try to bind to an existing search folder by using a complex attachment table restriction. Exchange Web Services supports only simple contains filters against the attachment table. If you try to bind to an existing search folder that has a more complex attachment table restriction, Exchange Web Services cannot render the XML for that filter. In this case, the attachment subfilter contains a text filter,

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Value	Description
	but it is not looking at the attachment display name. Note that you can still call the **GetFolder** method on the folder, but do not request the **SearchParameters** property.
ErrorInvalidAuthorizationContext	Specifies a failure to proxy an availability request to a more applicable server.
ErrorInvalidChangeKey	Specifies that an invalid change key was passed in. Note that many methods do not require a change key to be passed. However, if you do provide a change key, it MUST be valid, although it does not necessarily have to be up-to-date.
ErrorInvalidClientSecurityContext	Specifies that there was an internal error when an attempt was made to resolve the identity of the caller.
ErrorInvalidCompleteDate	Occurs when you try to set the **CompleteDate** of a task to a time in the future. When it is converted to the local time of the Client Access server, the **CompleteDate** cannot be set to a value that is later than the local time on the Client Access server.
ErrorInvalidContactEmailAddress	Specifies that an invalid e-mail address was provided for a contact.
ErrorInvalidContactEmailIndex	Specifies that an invalid e-mail index value was provided for an e-mail entry.
ErrorInvalidCrossForestCredentials	Occurs when an availability request is proxied to a Client Access server in another forest.
ErrorInvalidDelegatePermission	Specifies that the specified folder permissions are invalid.
ErrorInvalidDelegateUserId	Specifies that the specified delegate user ID is invalid.
ErrorInvalidExcludesRestriction	Specifies that the bitmask that was passed into the Excludes restriction could not be parsed.
ErrorInvalidExpressionTypeForSubFilter	This response code is not used.
ErrorInvalidExtendedProperty	Occurs when the combination of extended property values that was specified are invalid or they result in an invalid extended property Uniform Resource Identifier (URI).
ErrorInvalidExtendedPropertyValue	Specifies that the value that was offered for the extended property is inconsistent with the type that was specified in the associated extended field URI. For example, if the **PropertyType** property on the extended field URI is set to **string**, but you set the value of the extended property as an array of integers, you will encounter this response code.
ErrorInvalidFolderId	Occurs when the folder ID is corrupted.
ErrorInvalidFolderTypeForOperation	Specifies that the specified folder type is invalid for the current operation. For example, you cannot create a Search folder in a public folder.
ErrorInvalidFractionalPagingParameters	Occurs in fractional paging when the user has specified one of the following: a numerator that is greater than the denominator, a numerator that is less than 0 (zero), or a

Value	Description
	denominator that is less than or equal to 0 (zero).
ErrorInvalidFreeBusyViewType	Occurs if a **FreeBusyViewType** of **None** is requested.
ErrorInvalidId	Specifies that the structure of the ID and/or change key is internally inconsistent.
ErrorInvalidIdEmpty	Specifies that the caller specified an ID that is empty.
ErrorInvalidIdMalformed	Specifies that the structure of the ID is internally inconsistent.
ErrorInvalidIdMalformedEwsLegacyIdFormat	Specifies that a folder or item ID is using a server schema version format that is not supported by the server<27>. You MUST use the **ConvertId** method to convert them first.
ErrorInvalidIdMonikerTooLong	Specifies that the structure of the ID is internally inconsistent. The moniker is contained within the ID and indicates which mailbox the ID belongs to. This response code is returned if the length of the moniker is checked and the byte count is longer than expected.
ErrorInvalidIdNotAnItemAttachmentId	Occurs when the **AttachmentId** property does not refer to an item attachment.
ErrorInvalidIdReturnedByResolveNames	Specifies that a contact in your mailbox is corrupt.
ErrorInvalidIdStoreObjectIdTooLong	Occurs when the structure of the ID is internally inconsistent.
ErrorInvalidIdTooManyAttachmentLevels	Specifies that the attachment hierarchies exceed the maximum of 255 levels deep.
ErrorInvalidIdXml	This response code is not used.
ErrorInvalidImContactId	<28>
ErrorInvalidImDistributionGroupSmtpAddress	<29>
ErrorInvalidImGroupId	<30>
ErrorInvalidIndexedPagingParameters	Occurs if the offset for indexed paging is less than 0 (zero).
ErrorInvalidInternetHeaderChildNodes	This response code is not used.
ErrorInvalidItemForOperationCreateItemAttachment	Specifies that you tried to create an item attachment by using an unsupported item type. Supported item types for item attachments include **ItemType**, **MessageType**, **CalendarItemType**, **TaskType**, and **ContactItemType** objects. For example, if you try to create a **MeetingMessage** attachment, you will encounter this response code.
ErrorInvalidItemForOperationCreateItem	Specifies that you tried to create an unsupported item. Supported items include **ItemType**, **MessageType**, **CalendarItemType**, **TaskType**, and **ContactItemType** objects. For example, you cannot create a **DistributionList** object by using the **CreateItem** method. In addition, certain types are created as a side effect of doing something else. **MeetingMessages** objects, for example, are created when you send a calendar item to attendees; they are not explicitly

Value	Description
	created.
ErrorInvalidItemForOperationAcceptItem	Occurs when an **AcceptItemType** object is created on something other than a meeting request or a calendar item, or when an attempt is made to accept a calendar item occurrence that is in the Deleted Items folder.
ErrorInvalidItemForOperationDeclineItem	Specifies that a **DeclineItemType** object was created on something other than a meeting request or a calendar item, or that you tried to decline a calendar item occurrence that is in the Deleted Items folder.
ErrorInvalidItemForOperationCancelItem	Occurs when a **CancelCalendarItemType** object is created for something other than a calendar item.
ErrorInvalidItemForOperationExpandDL	Occurs when the instance of the **ExpandDLType** class that was passed to the **ExpandDL** method does not represent a distribution list.
ErrorInvalidItemForOperationRemoveItem	Occurs when a **RemoveItemType** object is created for an item other than a meeting cancellation.
ErrorInvalidItemForOperationSendItem	Occurs if the **SendItem** method was attempted on an item other than a message item. Only items whose **ItemClass** property value begins with **IPM.Note** can be sent.
ErrorInvalidItemForOperationTentative	Occurs if a **TentativelyAcceptItemType** object was created on an item other than a calendar item or meeting request. Also occurs if the **TentativelyAcceptItemType** object was created for a calendar item occurrence that is in the Deleted Items folder.
ErrorInvalidLogonType	This error is for internal use only. This error is not returned.
ErrorInvalidMailbox	Specifies that the **CreateItem** or **UpdateItem** operation failed while creating or updating a personal distribution list. This error MUST be returned under the following conditions: ▪ A member is not accessible by using an item identifier to identify the member's mailbox. The following **m:ResponseMessageType** XML MUST be returned for this scenario: <m:MessageText>Mailbox is invalid. Verify the specified Mailbox property.</m:MessageText> <m:ResponseCode>ErrorInvalidMailbox</m:ResponseCode> <m:MessageXml> <t:FieldURI FieldURI="distributionlist:Members"/> <t:Value Name="Inner.ResponseCode">ErrorNonExistentMailbox</t:Value> <t:Value Name="Inner.MessageText">No mailbox with such guid.</t:Value> </m:MessageXml> ▪ The specified identifier is for a private distribution list but the **MailboxTypeType** simple type (section 2.2.2.17) is not set to **PrivateDL**. The **MessageText** element of the

Value	Description
	ResponseMessageType complex type (section 2.2.3.57) MUST contain the following text: **MailboxType** SHOULD be **PrivateDL** or not specified.
	▪ The specified identifier is for a database contact item but the contact does not have an e-mail address. The specified member's e-mail address, routing type, or name does not match to the corresponding properties of any contact's e-mail addresses. The **MessageText** element of the **ResponseMessageType** complex type (section 2.2.3.57) MUST contain the following text: The contact address wasn't found.
	▪ The specified identifier is for a folder instead of a contact or private distribution list store item identifier. The following **ResponseMessageType** complex type (section 2.2.3.57) XML MUST be returned for this scenario:
	<m:MessageText>Mailbox is invalid. Verify the specified Mailbox property.</m:MessageText>
	<m:ResponseCode>ErrorInvalidMailbox</m:ResponseCode>
	<m:MessageXml>
	<t:FieldURI FieldURI="distributionlist:Members"/>
	<t:Value Name="Inner.ResponseCode">ErrorCannotUseFolderIdForItemId</t:Value>
	<t:Value Name="Inner.MessageText">Expected an item Id but received a folder Id.<</t:Value>
	</m:MessageXml>
	▪ The specified identifier does not represent either a contact or private distribution list. The following **m:ResponseMessageType** XML MUST be returned for this scenario where **MemberIndex** represents the index of the identifier that caused the error:
	<m:MessageText>The ID of this item can't be used for a recipient, attendee, or group member.</m:MessageText>
	<m:ResponseCode>ErrorInvalidMailbox</m:ResponseCode>
	<m:MessageXml>
	<t:FieldURI FieldURI="distributionlist:Members"/>
	<t:Value Name="MemberIndex">7</t:Value>
	</m:MessageXml>
	▪ The mailbox is not specified by either an **EmailAddress** or **ItemId** element in the **Mailbox** element of the **EmailAddressType**. The following **m:ResponseMessageType** XML MUST be returned for this scenario where **MemberIndex** represents the index of the identifier that caused the error:
	<m:MessageText>EmailAddress or ItemId MUST be included in the request.</m:MessageText>
	<m:ResponseCode>ErrorInvalidMailbox</m:ResponseCode>
	<m:MessageXml>

Value	Description
	<t:FieldURI FieldURI="distributionlist:Members"/>
	<t:Value Name="MemberIndex">0</t:Value>
	</m:MessageXml>
	▪ The member with the specified email address does not exist in the directory. The following **m:ResponseMessageType** XML MUST be returned for this scenario where **MemberIndex** represents the index of the identifier that caused the error:
	<m:MessageText>Recipient is not found in Active Directory. Change MailboxType to OneOff or remove it.</m:MessageText>
	<m:ResponseCode>ErrorInvalidMailbox</m:ResponseCode>
	<m:MessageXml>
	<t:FieldURI FieldURI="distributionlist:Members"/>
	<t:Value Name="MemberIndex">1</t:Value>
	</m:MessageXml>
	▪ A user with the specified email address does exists in the AD, but the specified **MailboxType** does match user type in the directory.
	The **MessageXML** element of the **m:ResponseMessageType** as specified in section 2.2.3.57, MUST contain the following XML when a member cannot be created or updated.

	`<m:MessageXml>`
	`  <t:FieldURI`
	`FieldURI="distributionlist:Members"/>`
	`  <t:Value Name="MemberIndex">4</t:Value>`
	`</m:MessageXml>`

	The **MemberIndex** value MUST specify the failing member from the either an **UpdateItem** or **CreateItem** request. The **MemberIndex** is a 0-based index.
ErrorInvalidManagedFolderProperty	Specifies that the structure of the managed folder is corrupted and cannot be rendered.
ErrorInvalidManagedFolderQuota	Specifies that the quota that is set on the managed folder is less than zero, which indicates a corrupted managed folder.
ErrorInvalidManagedFolderSize	Specifies that the size that is set on the managed folder is less than zero, which indicates a corrupted managed folder.
ErrorInvalidMergedFreeBusyInterval	Specifies that the supplied merged free/busy internal value is invalid. The default minimum value is 5 minutes. The default maximum value is 1440 minutes.
ErrorInvalidNameForNameResolution	Specifies that the name that was passed into the **ResolveNames** method was invalid. For example, a zero-length string, a single space, a comma, and a dash are all invalid names.

Value	Description
ErrorInvalidOperation	This is a general error that is used when the requested operation is invalid. For example, this error indicates any of the following:
ErrorInvalidNetworkServiceContext	Specifies an error in the Network Service account on the Client Access server.
ErrorInvalidOofParameter	This response code is not used.
ErrorInvalidPagingMaxRows	Specifies that zero rows or a negative value is specified as the maximum number of rows to be returned.
ErrorInvalidParentFolder	Specifies that you passed in an invalid parent folder for an operation, for example by creating a folder within a search folder.
ErrorInvalidPercentCompleteValue	Occurs if the percent complete property is set to a value that is not between 0 and 100 (inclusive).
ErrorInvalidPermissionSettings	Specifies that the permission level is inconsistent with the permission settings.
ErrorInvalidPhoneCallId	Specifies that the caller identifier is not valid.
ErrorInvalidPhoneNumber	Specifies that the phone number is not correct or does not fit the dial plan rules.
ErrorInvalidUserInfo	Specifies that a client sent an invalid folder permission request. This error code MUST be returned under the following conditions: ■ A user specifies a **DistinguishedUser** element of type **t:DistinguishedUserType** set to anonymous or default but then also provide either a SID, primary SMTP address or display name. ■ SID cannot be mapped to a user. ■ Primary SMTP address cannot be mapped to a user. ■ User specifies more than one mailbox by setting more than one of the following properties: SID, primary SMTP address, and display name. ■ An invalid SMTP address was provided for an external user. ■ The request doesn't specify a distinguished user, SID, primary SMTP address, display name, or external user. ■ The request specifies an identity that does not map to a user, group, or contact in the directory. ■ The provided user permission is a disabled user that had a SELF SID in the directory. ■ The request attempt to set the anonymous or default user permissions but the attempted permissions are not available on the folder.

Value	Description
	The **MessageXML** for an ErrorInvalidUserInfo response contains the SID and display name that MUST identify the user to be given permissions and the permission level that we attempted to be given to a user. The **MessageXML** can look like the following:
	``` <m:MessageXml> <t:InvalidPermission> <t:Permission> <t:UserId> <t:SID>S-1-5-21-797165400-4101840936- 1213943508-1116</t:SID> <t:DisplayName>Christopher M. Simison</t:DisplayName> </t:UserId> <t:PermissionLevel>Owner</t:PermissionLevel> </t:Permission> </t:InvalidPermission> </m:MessageXml> ```
ErrorInvalidPropertyAppend	Occurs if the property that you are trying to append to does not support appending. The following are the only properties that support appending: Recipient collections (To, Cc, Bcc), Attendee collections (Required, Optional, Resources), Body property, and ReplyTo.
ErrorInvalidPropertyDelete	Specifies that the property that you are trying to delete does not support deleting. For example, you cannot delete the ItemId property of the ItemType object.
ErrorInvalidPropertyForExists	Occurs if you pass one of the flag properties to a RestrictionType filter of ExistsType. The following are the flag properties: IsDraft, IsSubmitted, IsUnmodified,IsResend, and IsFromMe.
ErrorInvalidPropertyForOperation	Specifies that the property that you are trying to manipulate does not support the operation that is being performed on it.
ErrorInvalidPropertyRequest	Occurs if the property that is specified in the request is not available for the item type. For example, this response code is returned if a property that is only available on calendar items is requested in a GetItem method call for a message or is updated in an UpdateItem method call for a message.
ErrorInvalidPropertySet	Specifies that the property you are trying to set is read-only.
ErrorInvalidPropertyUpdateSentMessage	Occurs during an UpdateItem method call when a client tries to update certain properties of a message that has already been sent. For example, the following properties cannot be updated on a sent message: IsReadReceiptRequested and IsDeliveryReceiptRequested
ErrorInvalidProxySecurityContext	This response code is not used.
ErrorInvalidPullSubscriptionId	Occurs if you called GetEvents or Unsubscribe on a push subscription ID. To unsubscribe from a push subscription, you MUST respond to a push request with an unsubscribe

Value	Description
	response, or disconnect your Web service and wait for the push notifications to time out.
ErrorInvalidPushSubscriptionUrl	Specifies that the URL that was provided as a callback for the Subscribe method has an invalid format. The following conditions MUST be met for Exchange Web Services to accept the URL: String length MUST be greater than 0 and less than 2083, protocol is http or https, and able to be parsed by the URI Microsoft .NET Framework class.
ErrorInvalidRecipients	Specifies that the recipient collection on your message or the attendee collection on your calendar item is invalid.
ErrorInvalidRecipientSubfilter	Specifies that the search folder has a recipient table filter that Exchange Web Services cannot represent. To fix the error, retrieve the folder without requesting the search parameters.
ErrorInvalidRecipientSubfilterComparison	Specifies that the search folder has a recipient table filter that Exchange Web Services cannot represent. To fix the error, retrieve the folder without requesting the search parameters.
ErrorInvalidRecipientSubfilterOrder	Specifies that the search folder has a recipient table filter that Exchange Web Services cannot represent. To fix the error, retrieve the folder without requesting the search parameters.
ErrorInvalidRecipientSubfilterTextFilter	Specifies that the search folder has a recipient table filter that Exchange Web Services cannot represent. To fix the error, retrieve the folder without requesting the search parameters.
ErrorInvalidReferenceItem	Occurs under the following circumstances: The referenced item identifier is not a MessageType or CalendarItemType object, or one of their descendants; the reference item identifier is for a CalendarItemType object and the organizer is trying to Reply or ReplyAll. Calendar items can only be forwarded by the organizer; the message is a draft and Reply or ReplyAll is selected, and the ResponseObjects is set to SuppressReadReceipt and the item is not a message.
ErrorInvalidRequest	Specifies that the SOAP request has a SOAP action header, but nothing in the SOAP body. Note that the SOAP action header is not required as Exchange Web Services can determine the method to call from the local name of the root element in the SOAP body.
ErrorInvalidRestriction	This response code is not used.
ErrorInvalidRetentionTagTypeMismatch	<31>
ErrorInvalidRetentionTagInvisible	<32>
ErrorInvalidRetentionTagInheritance	<33>
ErrorInvalidRoutingType	Specifies that the RoutingType property that was passed for an EmailAddressType is not a valid routing type. Typically, routing type is set to SMTP.
ErrorInvalidScheduledOofDuration	Occurs if the specified duration end time is not greater than the start time, or if the end time does not occur in the future.

Value	Description
ErrorInvalidSchemaVersionForMailboxVersion	Specifies that a proxy request sent to another server is not capable of servicing the request due to a versioning mismatch. This error MUST be returned when the **RequestServerVersion** element (section 2.2.4.9) specifies a server version that does not match the mailbox server for a proxy request.
ErrorInvalidSecurityDescriptor	Specifies that the security descriptor on the Calendar folder in the store is corrupted.
ErrorInvalidSendItemSaveSettings	Occurs during an attempt to send an item where the SaveItemFolderId is specified in the request but the SaveItemToFolder property is set to false.
ErrorInvalidSerializedAccessToken	Specifies that the token that was passed in the header is malformed, does not refer to a valid account in the directory, or is missing the primary group SID.
ErrorInvalidServerVersion	Specifies that an invalid request server version was specified in the request.
ErrorInvalidSid	Specifies that one or more of the SID properties within the passed token or Impersonation block have an invalid structure.
ErrorInvalidSIPUri	Specifies that the SIP name, dial plan, or the phone number are invalid SIP URI.
ErrorInvalidSmtpAddress	Specifies that the SMTP address cannot be parsed.
ErrorInvalidSubfilterType	This response code is not used.
ErrorInvalidSubfilterTypeNotAttendeeType	This response code is not used.
ErrorInvalidSubfilterTypeNotRecipientType	This response code is not used.
ErrorInvalidSubscription	Specifies that the subscription is no longer valid. This could be because the Client Access is restarting or because the subscription expired.
ErrorInvalidSubscriptionRequest	Specifies that the subscribe request included multiple public folder IDs. A subscription can include multiple folders from the same mailbox or one public folder ID.
ErrorInvalidSyncStateData	Specifies that the sync state data is corrupted. This is returned by the SyncFolderItems method or the SyncFolderHierarchy method if the SyncState property data is invalid. To fix this error, you MUST resynchronize without the sync state. Make sure that if you are persisting sync state blobs and that you are not accidentally truncating the BLOB.
ErrorInvalidTimeInterval	Specifies that the specified time interval is invalid. The start time MUST be greater than or equal to the end time.
ErrorInvalidUserOofSettings	Specifies that the user Out of Office (OOF) settings are invalid because of a missing internal or external reply.
ErrorInvalidUserPrincipalName	Specifies that the UPN that was passed in the Impersonation SOAP header did not map to a valid account.

Value	Description
ErrorInvalidUserSid	Specifies that the SID that was passed in the Impersonation SOAP header was either structurally invalid or did not map to a valid account.
ErrorInvalidUserSidMissingUPN	This response code is not used.
ErrorInvalidValueForProperty	Specifies that the comparison value in the restriction is invalid for the property you are comparing against. For example, the comparison value of DateTimeCreated > true would return this response code. This response code is also returned if you specify an enumeration property in the comparison, but the value that you are comparing against is not a valid value for that enumeration.
ErrorInvalidWatermark	Specifies that the watermark is invalid.
ErrorIPGatewayNotFound	Specifies that a valid VoIP gateway is not available.
ErrorIrresolvableConflict	Specifies that conflict resolution was unable to resolve changes for the properties. The items in the store might have been changed and have to be updated. Retrieve the updated change key and try again.
ErrorItemCorrupt	Specifies that the state of the object is corrupted and cannot be retrieved. When you are retrieving an item, only certain properties will be in this state, such as Body and MimeContent. Omit these properties and retry the operation.
ErrorItemNotFound	Specifies that the item was not found or you do not have rights to access the item.
ErrorItemPropertyRequestFailed	Occurs if a property request fails. The property might exist, but it could not be retrieved.
ErrorItemSave	Occurs when attempts to save the item or folder fail.
ErrorItemSavePropertyError	Occurs when attempts to save the item or folder fail because of invalid property values. The response code includes the path of the invalid properties.
ErrorLegacyMailboxFreeBusyViewTypeNotMerged	This response code is not used.
ErrorLocalServerObjectNotFound	This response code is not used.
ErrorLogonAsNetworkServiceFailed	Specifies that the availability service was unable to log on as the network service in order to proxy requests to the appropriate sites or forests. This response typically indicates a configuration error.
ErrorMailboxConfiguration	Specifies that the mailbox information in Active Directory is configured incorrectly.
ErrorMailboxDataArrayEmpty	Specifies that the MailboxDataArray property in the request is empty. You MUST supply at least one mailbox identifier.
ErrorMailboxDataArrayTooBig	Occurs when more than 100 entries are supplied in a MailboxDataArray.

Value	Description
ErrorMailboxLogonFailed	Occurs when the connection to the mailbox to get the calendar view information failed.
ErrorMailboxMoveInProgress	Specifies that the mailbox is currently being moved. Try your request again after the move is complete.
ErrorMailboxStoreUnavailable	Specifies that the mailbox database is offline, corrupt, shutting down, or exhibiting other conditions that make the mailbox unavailable.
ErrorMailRecipientNotFound	Occurs if the MailboxData information cannot be mapped to a valid mailbox account.
ErrorMailTipsDisabled	Spoecifies that mail tips are disabled. This error code MUST be returned when mail tips are disabled.
ErrorManagedFolderAlreadyExists	Specifies that the managed folder that you are trying to create already exists in your mailbox.
ErrorManagedFolderNotFound	Occurs when the folder name that was specified in the request does not map to a managed folder definition in Active Directory. You can only create instances of managed folders for folders defined in Active Directory. Check the name and try again.
ErrorManagedFoldersRootFailure	Specifies that the managed folders root was deleted from the mailbox or that there is already a folder in the same parent folder that has the name of the managed folder root. This will also occur if the attempt to create the root managed folder fails.
ErrorMeetingSuggestionGenerationFailed	Specifies that the suggestions engine encountered a problem when it was trying to generate the suggestions.
ErrorMessageDispositionRequired	Occurs if the MessageDisposition property is not set. This property is required: 1) When the item that is being created or updated is a MessageType object. 2) For the CancelCalendarItemType, AcceptItemType, DeclineItemType, or TentativelyAcceptItemType response objects.
ErrorMessageSizeExceeded	Specifies that the message that you are trying to send exceeded the allowed limits.
ErrorMimeContentConversionFailed	Occurs when the MIME content is not a valid iCal for a CreateItem method. For a GetItem method, this response indicates that the MIME content could not be generated.
ErrorMimeContentInvalid	Occurs when the MIME content is invalid.
ErrorMimeContentInvalidBase64String	Occurs when the MIME content in the request is not a valid base64 string.
ErrorMissingArgument	Specifies that a required argument was missing from the request. The response message text indicates which argument to check.
ErrorMissingEmailAddress	Specifies that you specified a distinguished folder ID in the request, but the account that made the request does not have a mailbox on the system.

Value	Description
ErrorMissingEmailAddressForManagedFolder	Specifies that you specified a distinguished folder ID in the request, but the account that made the request does not have a mailbox on the system. This response is returned from the CreateManagedFolder method.
ErrorMissingInformationEmailAddress	Specifies that the attendee or recipient does not have the EmailAddress property set. The other two EmailAddressType properties, Name and RoutingType, are optional.
ErrorMissingInformationReferenceItemId	Occurs if the ReferenceItemId property value is missing from the response object.
ErrorMissingItemForCreateItemAttachment	Occurs when you are creating an item attachment if you do not indicate the item that you want to create.
ErrorMissingManagedFolderId	Occurs when the policy IDs property, property tag 0x6732, for the folder is missing. You SHOULD consider this a corrupted folder.
ErrorMissingRecipients	Specifies that you tried to send an item without including recipients. Note that if you call the CreateItem method with a message disposition that causes the message to be sent, you will get the following response code: ErrorInvalidRecipients.
ErrorMissingUserIdInformation	Specifies that a user ID has not been fully specified in a permissions set.
ErrorMoreThanOneAccessModeSpecified	Specifies that you have specified more than one ExchangeImpersonation or SerializedSecurityContext property value within a request.
ErrorMoveCopyFailed	Specifies that the move or copy operation failed. Moving occurs in the CreateItem method when you accept a meeting request that is in the Deleted Items folder. In addition, if you decline a meeting request, cancel a calendar item, or remove a meeting from your calendar, it is moved to the Deleted Items folder.
ErrorMoveDistinguishedFolder	Occurs if you try to move a distinguished folder.
ErrorNameResolutionMultipleResults	Specifies that the ResolveNames method returned more than one result or that the ambiguous name that you specified matched more than one object in the directory. The response code includes the matched names in the response data.
ErrorNameResolutionNoMailbox	Specifies that the caller does not have a mailbox on the system.
ErrorNameResolutionNoResults	Occurs if the ResolveNames method returns no results.
ErrorNoApplicableProxyCASServersAvailable	This error code MUST be returned when the Web service cannot find a server to handle the request.
ErrorNoCalendar	Occurs if there is no Calendar folder for the mailbox.
ErrorNoDestinationCASDueToKerberosRequirements	Specifies that the request referred to a mailbox in another Active Directory site, but no Client Access servers in the destination site were configured for win Authentication and therefore the request could not be proxied.

Value	Description
ErrorNoDestinationCASDueToSSLRequirements	Specifies that the request referred to a mailbox in another Active Directory site, but no Client Access servers in the destination site were configured for SSL connections and therefore the request could not be proxied.
ErrorNoDestinationCASDueToVersionMismatch	Specifies that the request referred to a mailbox in another Active Directory site, but no Client Access servers in the destination site were of an acceptable product version to receive the request and therefore the request could not be proxied.
ErrorNoFolderClassOverride	Occurs if you set the FolderClass property when you are creating an item other than a generic folder. For typed folders such as CalendarFolderType and TasksFolderType, the folder class is implied. Setting the folder class to a different folder type by using the UpdateFolder method results in the ErrorObjectTypeChanged response. Instead, use a generic folder type but set the folder class to the value that you require. Exchange Web Services will create the correct strongly typed folder.
ErrorNoFreeBusyAccess	Specifies that the caller does not have free/busy viewing rights on the Calendar folder in question.
ErrorNonExistentMailbox	Specifies one of the following: 1) The e-mail address is empty in the CreateManagedFolder method 2) the SMTP address does not map to a valid mailbox.
ErrorNonPrimarySmtpAddress	Occurs when a caller passes in a non-primary SMTP address. The response includes the correct SMTP address to use.
ErrorNoPropertyTagForCustomProperties	Specifies that MAPI properties in the custom range, 0x8000 and greater, cannot be referenced by property tags. You MUST use the PropertySetId property or the DistinguishedPropertySetId together with the PropertyName or PropertyId properties.
ErrorNoPublicFolderReplicaAvailable	This response code is not used.
ErrorNoPublicFolderServerAvailable	This error code MUST be returned if no public folder server is available or if the caller does not have a home public server.
ErrorNoRespondingCASInDestinationSite	Specifies that the request referred to a mailbox in another Active Directory site, but none of the Client Access servers in that site responded and therefore the request could not be proxied.
ErrorNotDelegate	Specifies that the user is not a delegate for the mailbox. This error is returned by GetDelegate, RemoveDelegate, and UpdateDelegate method calls when the specified delegate user is not found in the list of delegates.
ErrorNotEnoughMemory	Specifies that the operation could not be completed because of insufficient memory.
ErrorObjectTypeChanged	Specifies that the object type cannot be changed. For the CreateItem method, the ItemClass property MUST be consistent with the strongly typed item such as a Message or Contact.

Value	Description
ErrorOccurrenceCrossingBoundary	Specifies that the time allotment for a given occurrence overlaps with an earlier or later occurrence.
ErrorOccurrenceTimeSpanTooBig	Specifies that the time allotment for a given occurrence overlaps with another occurrence of the same recurring item. This response also occurs if the length in minutes of a given occurrence is larger than Int32.MaxValue.
ErrorOperationNotAllowedWithPublicFolderRoot	Specifies that the current operation is not valid to be performed on the public folder root.
ErrorParentFolderIdRequired	This response code is not used.
ErrorParentFolderNotFound	Occurs in the CreateFolder when the parent folder is not found.
ErrorPasswordChangeRequired	Specifies that you MUST change your password before you can access this mailbox. This occurs when a new account has been created and the administrator indicated that the user MUST change the password at first logon. You cannot update the password by using Exchange Web Services. You MUST use a tool such as Outlook Web Access to change your password.
ErrorPasswordExpired	Specifies that the password has expired. You cannot change the password by using Exchange Web Services. You MUST use a tool such as Outlook Web Access to change your password.
ErrorPhoneNumberNotDialable	Specifies that the phone number was not in the correct phone form.
ErrorPropertyUpdate	Specifies that the update failed because of invalid property values. The response message includes the invalid property paths.
ErrorPromptPublishingOperationFailed	<34>
ErrorPropertyValidationFailure	This response code is not used.
ErrorProxiedSubscriptionCallFailure	Specifies that the request referred to a subscription that exists on another Client Access server, but an attempt to proxy the request to that Client Access server failed.
ErrorProxyCallFailed	This response code is not used.
ErrorProxyGroupSidLimitExceeded	Specifies that the request referred to a mailbox in another Active Directory site, and the original caller is a member of more than 3000 groups.
ErrorProxyRequestNotAllowed	Specifies that the request that Exchange Web Services sent to another Client Access server when trying to fulfill a GetUserAvailability request was invalid. This response code likely indicates a configuration or rights error, or that someone is trying unsuccessfully to mimic an availability proxy request.
ErrorProxyRequestProcessingFailed	Specifies that Exchange Web Services tried to proxy an availability request to another Client Access server for

Value	Description
	fulfillment, but the request failed. This response can be caused by network connectivity issues or request time-out issues.
ErrorProxyServiceDiscoveryFailed	This error code MUST be returned if the Web service cannot determine whether the request is to run on the target server or will be proxied to another server.
ErrorProxyTokenExpired	This response code is not used.
ErrorPublicFolderRequestProcessingFailed	Occurs when the recipient passed to GetUserAvailability is located on a computer that is running a server version that is earlier than the 2007 server version and the request to retrieve free/busy information for the recipient from the public folder server failed.
ErrorPublicFolderServerNotFound	Occurs when the recipient passed to GetUserAvailability is located on a server that is running a server version that is earlier than the 2007 server version and the request to retrieve free/busy information for the recipient from the public folder server failed because the organizational unit did not have a public folder server associated with it.
ErrorQueryFilterTooLong	Specifies that the search folder restriction might be valid, but it is not supported by Exchange Web Services. Exchange Web Services limits restrictions to contain a maximum of 255 filter expressions. If you try to bind to an existing search folder that exceeds 255, this response code is returned.
ErrorQuotaExceeded	Occurs when the mailbox quota is exceeded.
ErrorReadEventsFailed	Specifies that the process for reading events was aborted because of an internal failure. Re-create the event synchronization based on a last known watermark.
ErrorReadReceiptNotPending	Occurs when an attempt has been made to suppress a read receipt when the message sender did not request a read receipt on the message.
ErrorRecurrenceEndDateTooBig	Occurs when the end date for the recurrence is after 9/1/4500.
ErrorRecurrenceHasNoOccurrence	Specifies that the recurrence has no occurrence instances in the specified range.
ErrorRemoveDelegatesFailed	Specifies that the delegate list failed to be saved after delegates were removed.
ErrorRequestAborted	This response code is not used.
ErrorRequestStreamTooBig	Specifies that during availability proxying, the request was determined to be too large.
ErrorRequiredPropertyMissing	Specifies that one or more of the required properties is missing from a CreateAttachment call. The response indicates which property path was not set.
ErrorResolveNamesInvalidFolderType	Specifies that the caller has specified a folder that is not a Contacts folder to ResolveNames.

Value	Description
ErrorResolveNamesOnlyOneContactsFolderAllowed	Specifies that the caller has specified more than one Contacts folder to ResolveNames.
ErrorResponseSchemaValidation	This response code is not used.
ErrorRestrictionTooLong	Occurs when the restriction has more than 255 filters.
ErrorRestrictionTooComplex	Specifies that the restriction that was passed cannot be evaluated by Exchange Web Services.
ErrorResultSetTooBig	Specifies that the number of calendar entries for a given recipient exceeds the allowed limit of 1000. Reduce the window and try again.
ErrorInvalidExchangeImpersonationHeaderData	Specifies that the ExchangeImpersonation header is missing or empty. This error MUST be returned if an **ExchangeImpersonation** element (section 2.2.4.3) is empty.
ErrorSavedItemFolderNotFound	Specifies that the folder in which to save the item does not exist.
ErrorSchemaValidation	Occurs when the incoming request fails schema validation against types.xsd and messages.xsd. This response code is always returned within a SOAP fault.
ErrorSearchFolderNotInitialized	Specifies that the search folder was created, but the search criteria were never set on the folder. This only occurs when you access corrupted search folders that were created by using another API or client. To fix this error, call UpdateFolder and set the SearchParameters to include the restriction that SHOULD be on the folder.
ErrorSendAsDenied	Occurs when both of the following conditions occur:
ErrorSendMeetingCancellationsRequired	Occurs during a DeleteItem call, when the SendMeetingCancellations property is missing from the request and the item to delete is a calendar item. If you are using the proxy objects, make sure that the SendMeetingCancellationsSpecified property is set to true.
ErrorSendMeetingInvitationsOrCancellationsRequired	Occurs during an UpdateItem method call, when the SendMeetingInvitationsOrCancellations property is missing from the request and the item to update is a calendar item. If you are using the proxy objects, make sure that the SendMeetingInvitationsOrCancellationsSpecified property is set to true.
ErrorSendMeetingInvitationsRequired	Occurs during a CreateItem method call, when the SendMeetingInvitations property is missing from the request and the item to create is a calendar item. If you are using the proxy objects, make sure that the SendMeetingInvitationsSpecified property is set to true.
ErrorSentMeetingRequestUpdate	Specifies that after the organizer sends a meeting request, the request cannot be updated. To modify the meeting, modify the calendar item, not the meeting request.
ErrorSentTaskRequestUpdate	Specifies that after the task initiator sends a task request,

Value	Description
	that request cannot be updated.
ErrorServerBusy	Occurs when the server is busy.
ErrorServiceDiscoveryFailed	Specifies that Exchange Web Services tried to proxy a user availability request to the appropriate forest for the recipient, but it could not determine where to send the request because of a service discovery failure.
ErrorStaleObject	Occurs in an UpdateItem or SendItem method call when the change key is not up to date or was not supplied. Call GetItem to retrieve an updated change key and then try the operation again.
ErrorSubmissionQuotaExceeded	Specifies that a user cannot immediately send more request because the submission quota has been reached.
ErrorSubscriptionAccessDenied	Specifies that you tried to access a subscription by using an account that did not create that subscription. Each subscription can only be accessed by the creator of the subscription.
ErrorSubscriptionDelegateAccessNotSupported	Specifies that you cannot create a subscription if you are not the owner or do not have owner access to the mailbox.
ErrorSubscriptionNotFound	Specifies that the specified subscription does not exist. The subscription might have expired, the Exchange Web Services process might have been restarted, or an invalid subscription was passed in. If the subscription was valid, re-create the subscription with the latest watermark.
ErrorSubscriptionUnsubscribed	This error code MUST be returned when a request is made for a subscription that has been unsubscribed.
ErrorSyncFolderNotFound	Specifies that the folder ID that was specified in the SyncFolderItems method call does not exist.
ErrorTeamMailboxNotFound	<35>
ErrorTeamMailboxNotLinkedToSharePoint	<36>
ErrorTeamMailboxUrlValidationFailed	<37>
ErrorTeamMailboxNotAuthorizedOwner	<38>
ErrorTeamMailboxActiveToPendingDelete	<39>
ErrorTeamMailboxFailedSendingNotifications	<40>
ErrorTeamMailboxErrorUnknown	<41>
ErrorTimeIntervalTooBig	Specifies that the time window that was specified is larger than the allowed limit. By default, the allowed limit is 42.
ErrorTimeoutExpired	Specifies that the proxied request timed out.
ErrorTimeZone	Specifies that there is a time zone error.
ErrorToFolderNotFound	Specifies that the destination folder does not exist.

Value	Description
ErrorTokenSerializationDenied	Occurs if the caller tries to perform a token serialization request but does not have ms-Exch-EPI-TokenSerialization rights on the Client Access server they are calling.
ErrorUpdatePropertyMismatch	Occurs when the single property path that is listed in a change description does not match the single property that is being set within the actual ItemType or FolderType object.
ErrorUnifiedMessagingDialPlanNotFound	Specifies that a user's dial plan is not available.
ErrorUnifiedMessagingReportDataNotFound	<42>
ErrorUnifiedMessagingPromptNotFound	<43>
ErrorUnifiedMessagingRequestFailed	Specifies that the user could not be found.
ErrorUnifiedMessagingServerNotFound	Specifies that a valid server for the dial plan can be found to handle the request.
ErrorUnableToGetUserOofSettings	This response code is not used.
ErrorUnableToRemoveImContactFromGroup	<44>
ErrorUnsupportedSubFilter	This response code is not used.
ErrorUnsupportedCulture	Occurs if you try to set the Culture property to a value that is not parsable by the System.Globalization.CultureInfo class.
ErrorUnsupportedMapiPropertyType	Occurs if a caller tries to use extended properties of types object, object array, error or null.
ErrorUnsupportedMimeConversion	Occurs when you are trying to retrieve or set MIME content for an item other than a PostItemType, MessageType, or CalendarItemType object.
ErrorUnsupportedPathForQuery	Specifies that the property path cannot be used within a restriction. This value MUST be returned if an Excludes restriction is performed on a non-integer property.
ErrorUnsupportedPathForSortGroup	Specifies that the property path cannot be used for sorting or grouping operations.
ErrorUnsupportedPropertyDefinition	This response code is not used.
ErrorUnsupportedQueryFilter	Specifies that the search folder restriction might be valid, but is not supported by Exchange Web Services. You can still call the FindItem method on the search folder restriction to retrieve the items in the search folder; however, you cannot get the actual restriction clause.
ErrorUnsupportedRecurrence	Specifies that the recurrence pattern that was supplied is not supported for tasks.
ErrorUnsupportedTypeForConversion	Specifies that Exchange Web Services found a property type in the store but cannot generate XML for the property type.
ErrorUpdateDelegatesFailed	Specifies that the delegate list failed to be saved after delegates were updated.

Value	Description
ErrorUserNotUnifiedMessagingEnabled	Specifies that the requestor is not enabled.
ErrorUserPhotoToSaveNotFound	<45>
ErrorUserPhotoUploadFileTooLarge	<46>
ErrorUserPhotoUploadFileTooSmall	<47>
ErrorUserPhotoUploadImageTooSmall	<48>
ErrorUserPhotoUploadNotAnImage	<49>
ErrorUserPhotoUploadFileMissing	<50>
ErrorValueOutOfRange	Specifies that a calendar view start date or end date was set to 1/1/0001 12:00:00 AM or 12/31/9999 11:59:59 PM.
ErrorVoiceMailNotImplemented	Specifies that voice mail is not implemented.
ErrorVirusDetected	Specifies that the database detected a virus in the message.
ErrorVirusMessageDeleted	Specifies that the database detected a virus in the message and deleted it.
ErrorWebRequestInInvalidState	This response code is not used.
ErrorWin32InteropError	Specifies that there was an internal failure during communication with unmanaged code.
ErrorWorkingHoursSaveFailed	This response code is not used.
ErrorWorkingHoursXmlMalformed	This response code is not used.
ErrorWrongServerVersion	Specifies that a request can only be made to a server that is the same version as the mailbox server. This error MUST be returned if a request is made to a server that is not the same version as the mailbox server.
ErrorWrongServerVersionDelegate	Specifies that a request was made by a delegate that has a different server version than the principal's mailbox server. This error MUST be returned if a request was made by a delegate that has a different server version than the principal's mailbox server.
ErrorMissingInformationSharingFolderId	This error code is never returned.
ErrorDuplicateSOAPHeader	Specifies that there are duplicate SOAP headers.
ErrorSharingSynchronizationFailed	Specifies that an attempt at synchronizing a sharing folder failed. This error code MUST be returned when: ■ The subscription for a sharing folder is not found. ■ The sharing folder was not found. ■ The corresponding directory user was not found. ■ The user no longer exists.

Value	Description
	- The appointment is invalid.
	- The contact item is invalid.
	- There was a communication failure with the remote server.
ErrorSharingNoExternalEwsAvailable	Specifies that the external URL property has not been set in the Active Directory database. This error code MUST be returned if the external URL property has not been set in the Active Directory database.
ErrorFreeBusyDLLimitReached	Specifies that the maximum group member count has been reached for obtaining free/busy information for a distribution list. This error MUST be returned when the maximum group member count has been reached for obtaining free/busy information for a distribution list.
ErrorInvalidGetSharingFolderRequest	Specifies that the DataType and ShareFolderId element are both present in a request. This error code MUST be returned if the DataType and ShareFolderId element are both present in a request.
ErrorNotAllowedExternalSharingByPolicy	Specifies that the caller attempted to grant permissions in its calendar or contacts folder to a user in another organization and the attempt failed. This error code MUST be returned when the sharing policy is disabled for the caller or when the sharing policy assigned to the caller disallows sharing for the requested level or the requested folder type.
ErrorUserNotAllowedByPolicy	Specifies that the requestor attempted to grant permissions in its calendar or contacts folder to an external user but the sharing policy assigned to the requestor specifies that the domain of the external user is not listed in the policy.
ErrorPermissionNotAllowedByPolicy	Specifies that the requestor attempted to grant permissions in its calendar or contacts folder to an external user but the sharing policy assigned to the requestor specifies that the requested permission level is higher is than what the sharing policy allows.
ErrorOrganizationNotFederated	Specifies that the requestor's organization is not federated so the requestor cannot create sharing messages to send to an external user or cannot accept sharing messages received from an external user. This error code MUST be returned if the requestor's organization is not federated.
ErrorMailboxFailover	Specifies that an attempt to access a mailbox failed because the mailbox is in a failover process.
ErrorInvalidExternalSharingInitiator	Specifies that the sharing invitation sender did not create the sharing invitation metadata. This error code MUST be returned if the sharing invitation sender did not create the sharing invitation metadata.
ErrorMessageTrackingPermanentError	Specifies that the message tracking service cannot track the message.
ErrorMessageTrackingTransientError	Specifies that either the message tracking service is down or

Value	Description
	busy. This error code specifies a transient error. Clients can retry to connect to the server when this error is received.
ErrorMessageTrackingNoSuchDomain	Specifies that the given domain cannot be found.
ErrorUserWithoutFederatedProxyAddress	Specifies that the requestor's organization has a set of federated domains but the requestor's organization does not have any SMTP proxy addresses with one of the federated domains.
ErrorInvalidOrganizationRelationshipForFreeBusy	Specifies that a caller requested free/busy information for a user in another organization but the organizational relationship does not have free/busy enabled.
ErrorInvalidFederatedOrganizationId	Specifies that the requestor's organization federation objects are not properly configured.
ErrorInvalidExternalSharingSubscriber	Specifies that a sharing message is not intended for the caller.
ErrorInvalidSharingData	Specifies that the sharing metadata is not valid. This can be caused by invalid XML.
ErrorInvalidSharingMessage	Specifies that the sharing message is not valid. This can be caused by a missing property.
ErrorNotSupportedSharingMessage	Specifies that the sharing message is not supported.
ErrorApplyConversationActionFailed	This error MUST be returned if an action cannot be applied to one or more items in the conversation.
ErrorInboxRulesValidationError	This error MUST be returned if any rule does not validate.
ErrorOutlookRuleBlobExists	This error MUST be returned when an attempt to manage Inbox rules occurs after another client has accessed the Inbox rules.
ErrorRulesOverQuota	This error MUST be returned when a user's rule quota has been exceeded.
ErrorNewEventStreamConnectionOpened	This error MUST be returned to the first subscription connection if a second subscription connection is opened.
ErrorMissedNotificationEvents	This error MUST be returned when event notifications are missed.
ErrorDuplicateLegacyDistinguishedName	<51>
ErrorInvalidClientAccessTokenRequest	<52>
ErrorNoSpeechDetected	<53>
ErrorUMServerUnavailable	<54>
ErrorRecipientNotFound	<55>
ErrorRecognizerNotInstalled	<56>
ErrorSpeechGrammarError	<57>

Value	Description
ErrorInvalidManagementRoleHeader	<58>
ErrorLocationServicesDisabled	<59>
ErrorLocationServicesRequestTimedOut	<60>
ErrorLocationServicesRequestFailed	<61>
ErrorLocationServicesInvalidRequest	<62>
ErrorMailboxScopeNotAllowedWithoutQueryString	<63>
ErrorArchiveMailboxSearchFailed	<64>
ErrorArchiveMailboxServiceDiscoveryFailed	<65>

2.2.2.22   t:SensitivityChoicesType Simple Type

The **SensitivityChoicesType** simple type specifies the sensitivity level types that are available for an item.

```
<xs:simpleType name="SensitivityChoicesType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="Confidential"
     />
    <xs:enumeration
      value="Normal"
     />
    <xs:enumeration
      value="Personal"
     />
    <xs:enumeration
      value="Private"
     />
  </xs:restriction>
</xs:simpleType>
```

Enumeration

The following values are defined by the **SensitivityChoicesType** simple type:

Value	Description
Confidential	Specifies the item as confidential.
Normal	Specifies the item as normal.
Personal	Specifies the item as personal.
Private	Specifies the item as private.

2.2.2.23   t:UnindexedFieldURIType Simple Type

Note   *Some of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure. For information about specific differences between versions, see the behavior notes that are provided in the Product Behavior appendix.*

The **UnindexedFieldURIType** simple type specifies unindexed properties.<66>

```xml
<xs:simpleType name="UnindexedFieldURIType">
  <xs:restriction
    base="xs:string"
  >
    <xs:enumeration
      value="folder:FolderId"
     />
    <xs:enumeration
      value="folder:ParentFolderId"
     />
    <xs:enumeration
      value="folder:DisplayName"
     />
    <xs:enumeration
      value="folder:UnreadCount"
     />
    <xs:enumeration
      value="folder:TotalCount"
     />
    <xs:enumeration
      value="folder:ChildFolderCount"
     />
    <xs:enumeration
      value="folder:FolderClass"
     />
    <xs:enumeration
      value="folder:SearchParameters"
     />
    <xs:enumeration
      value="folder:ManagedFolderInformation"
     />
    <xs:enumeration
      value="folder:PermissionSet"
     />
    <xs:enumeration
      value="folder:EffectiveRights"
     />
    <xs:enumeration
      value="folder:SharingEffectiveRights"
     />
      <xs:enumeration value="folder:DistinguishedFolderId"/>
      <xs:enumeration value="folder:PolicyTag"/>
      <xs:enumeration value="folder:ArchiveTag"/>
    <xs:enumeration
      value="item:ItemId"
     />
    <xs:enumeration
      value="item:ParentFolderId"
     />
    <xs:enumeration
      value="item:ItemClass"
```

```
   />
  <xs:enumeration
   value="item:MimeContent"
   />
  <xs:enumeration
   value="item:Attachments"
   />
  <xs:enumeration
   value="item:Subject"
   />
  <xs:enumeration
   value="item:DateTimeReceived"
   />
  <xs:enumeration
   value="item:Size"
   />
  <xs:enumeration
   value="item:Categories"
   />
  <xs:enumeration
   value="item:HasAttachments"
   />
  <xs:enumeration
   value="item:Importance"
   />
  <xs:enumeration
   value="item:InReplyTo"
   />
  <xs:enumeration
   value="item:InternetMessageHeaders"
   />
  <xs:enumeration
   value="item:IsAssociated"
   />
  <xs:enumeration
   value="item:IsDraft"
   />
  <xs:enumeration
   value="item:IsFromMe"
   />
  <xs:enumeration
   value="item:IsResend"
   />
  <xs:enumeration
   value="item:IsSubmitted"
   />
  <xs:enumeration
   value="item:IsUnmodified"
   />
  <xs:enumeration
   value="item:DateTimeSent"
   />
  <xs:enumeration
   value="item:DateTimeCreated"
   />
  <xs:enumeration
   value="item:Body"
   />
  <xs:enumeration
```

```
                value="item:ResponseObjects"
    />
   <xs:enumeration
     value="item:Sensitivity"
    />
   <xs:enumeration
     value="item:ReminderDueBy"
    />
   <xs:enumeration
     value="item:ReminderIsSet"
    />
     <xs:enumeration value="item:ReminderNextTime"/>
   <xs:enumeration
     value="item:ReminderMinutesBeforeStart"
    />
   <xs:enumeration
     value="item:DisplayTo"
    />
   <xs:enumeration
     value="item:DisplayCc"
    />
   <xs:enumeration
     value="item:Culture"
    />
   <xs:enumeration
     value="item:EffectiveRights"
    />
   <xs:enumeration
     value="item:LastModifiedName"
    />
   <xs:enumeration
     value="item:LastModifiedTime"
    />
   <xs:enumeration
     value="item:ConversationId"
    />
   <xs:enumeration
     value="item:UniqueBody"
    />
     <xs:enumeration value="item:InferredImportance"/>
     <xs:enumeration value="item:InferredImportanceReason"/>
     <xs:enumeration value="item:Flag"/>
   <xs:enumeration value="item:StoreEntryId"/>
     <xs:enumeration value="item:InstanceKey"/>
     <xs:enumeration value="item:NormalizedBody"/>
     <xs:enumeration value="item:PolicyTag"/>
     <xs:enumeration value="item:ArchiveTag"/>
     <xs:enumeration value="item:RetentionDate"/>
     <xs:enumeration value="item:Preview" />
   <xs:enumeration
     value="item:WebClientReadFormQueryString"
    />
   <xs:enumeration
     value="item:WebClientEditFormQueryString"
    />
   <xs:enumeration
     value="message:ConversationIndex"
    />
   <xs:enumeration
```

```
               value="message:ConversationTopic"
            />
          <xs:enumeration
            value="message:InternetMessageId"
           />
          <xs:enumeration
            value="message:IsRead"
           />
          <xs:enumeration
            value="message:IsResponseRequested"
           />
          <xs:enumeration
            value="message:IsReadReceiptRequested"
           />
          <xs:enumeration
            value="message:IsDeliveryReceiptRequested"
           />
          <xs:enumeration
            value="message:ReceivedBy"
           />
          <xs:enumeration
            value="message:ReceivedRepresenting"
           />
          <xs:enumeration
            value="message:References"
           />
          <xs:enumeration
            value="message:ReplyTo"
           />
          <xs:enumeration
            value="message:From"
           />
          <xs:enumeration
            value="message:Sender"
           />
          <xs:enumeration
            value="message:ToRecipients"
           />
          <xs:enumeration
            value="message:CcRecipients"
           />
          <xs:enumeration
            value="message:BccRecipients"
           />
          <xs:enumeration
            value="meeting:AssociatedCalendarItemId"
           />
          <xs:enumeration
            value="meeting:IsDelegated"
           />
          <xs:enumeration
            value="meeting:IsOutOfDate"
           />
          <xs:enumeration
            value="meeting:HasBeenProcessed"
           />
          <xs:enumeration
            value="meeting:ResponseType"
           />
```

```
<xs:enumeration
 value="meetingRequest:MeetingRequestType"
/>
<xs:enumeration
 value="meetingRequest:IntendedFreeBusyStatus"
/>
 <xs:enumeration value="meetingRequest:ChangeHighlights"/>
<xs:enumeration
 value="calendar:Start"
/>
<xs:enumeration
 value="calendar:End"
/>
<xs:enumeration
 value="calendar:OriginalStart"
/>
 <xs:enumeration value="calendar:StartWallClock"/>
 <xs:enumeration value="calendar:EndWallClock"/>
 <xs:enumeration value="calendar:StartTimeZoneId"/>
 <xs:enumeration value="calendar:EndTimeZoneId"/
<xs:enumeration
 value="calendar:IsAllDayEvent"
/>
<xs:enumeration
 value="calendar:LegacyFreeBusyStatus"
/>
<xs:enumeration
 value="calendar:Location"
/>
 <xs:enumeration value="calendar:EnhancedLocation"/>
<xs:enumeration
 value="calendar:When"
/>
<xs:enumeration
 value="calendar:IsMeeting"
/>
<xs:enumeration
 value="calendar:IsCancelled"
/>
<xs:enumeration
 value="calendar:IsRecurring"
/>
<xs:enumeration
 value="calendar:MeetingRequestWasSent"
/>
<xs:enumeration
 value="calendar:IsResponseRequested"
/>
<xs:enumeration
 value="calendar:CalendarItemType"
/>
<xs:enumeration
 value="calendar:MyResponseType"
/>
<xs:enumeration
 value="calendar:Organizer"
/>
<xs:enumeration
 value="calendar:RequiredAttendees"
```

```
      />
    <xs:enumeration
      value="calendar:OptionalAttendees"
     />
    <xs:enumeration
      value="calendar:Resources"
     />
    <xs:enumeration
      value="calendar:ConflictingMeetingCount"
     />
    <xs:enumeration
      value="calendar:AdjacentMeetingCount"
     />
    <xs:enumeration
      value="calendar:ConflictingMeetings"
     />
    <xs:enumeration
      value="calendar:AdjacentMeetings"
     />
    <xs:enumeration
      value="calendar:Duration"
     />
    <xs:enumeration
      value="calendar:TimeZone"
     />
    <xs:enumeration
      value="calendar:AppointmentReplyTime"
     />
    <xs:enumeration
      value="calendar:AppointmentSequenceNumber"
     />
    <xs:enumeration
      value="calendar:AppointmentState"
     />
    <xs:enumeration
      value="calendar:Recurrence"
     />
    <xs:enumeration
      value="calendar:FirstOccurrence"
     />
    <xs:enumeration
      value="calendar:LastOccurrence"
     />
    <xs:enumeration
      value="calendar:ModifiedOccurrences"
     />
    <xs:enumeration
      value="calendar:DeletedOccurrences"
     />
    <xs:enumeration
      value="calendar:MeetingTimeZone"
     />
    <xs:enumeration
      value="calendar:ConferenceType"
     />
    <xs:enumeration
      value="calendar:AllowNewTimeProposal"
     />
    <xs:enumeration
```

```
      value="calendar:IsOnlineMeeting"
 />
<xs:enumeration
  value="calendar:MeetingWorkspaceUrl"
 />
<xs:enumeration
  value="calendar:NetShowUrl"
 />
<xs:enumeration
  value="calendar:UID"
 />
<xs:enumeration
  value="calendar:RecurrenceId"
 />
<xs:enumeration
  value="calendar:DateTimeStamp"
 />
<xs:enumeration
  value="calendar:StartTimeZone"
 />
<xs:enumeration
  value="calendar:EndTimeZone"
 />
<xs:enumeration
  value="task:ActualWork"
 />
<xs:enumeration
  value="task:AssignedTime"
 />
<xs:enumeration
  value="task:BillingInformation"
 />
<xs:enumeration
  value="task:ChangeCount"
 />
<xs:enumeration
  value="task:Companies"
 />
<xs:enumeration
  value="task:CompleteDate"
 />
<xs:enumeration
  value="task:Contacts"
 />
<xs:enumeration
  value="task:DelegationState"
 />
<xs:enumeration
  value="task:Delegator"
 />
<xs:enumeration
  value="task:DueDate"
 />
<xs:enumeration
  value="task:IsAssignmentEditable"
 />
<xs:enumeration
  value="task:IsComplete"
 />
```

```
<xs:enumeration
 value="task:IsRecurring"
 />
<xs:enumeration
 value="task:IsTeamTask"
 />
<xs:enumeration
 value="task:Mileage"
 />
<xs:enumeration
 value="task:Owner"
 />
<xs:enumeration
 value="task:PercentComplete"
 />
<xs:enumeration
 value="task:Recurrence"
 />
<xs:enumeration
 value="task:StartDate"
 />
<xs:enumeration
 value="task:Status"
 />
<xs:enumeration
 value="task:StatusDescription"
 />
<xs:enumeration
 value="task:TotalWork"
 />
<xs:enumeration value="contacts:Alias"/>
<xs:enumeration
 value="contacts:AssistantName"
 />
<xs:enumeration
 value="contacts:Birthday"
 />
<xs:enumeration
 value="contacts:BusinessHomePage"
 />
<xs:enumeration
 value="contacts:Children"
 />
<xs:enumeration
 value="contacts:Companies"
 />
<xs:enumeration
 value="contacts:CompanyName"
 />
<xs:enumeration
 value="contacts:CompleteName"
 />
<xs:enumeration
 value="contacts:ContactSource"
 />
<xs:enumeration
 value="contacts:Culture"
 />
<xs:enumeration
```

```
       value="contacts:Department"
      />
     <xs:enumeration
       value="contacts:DisplayName"
      />
     <xs:enumeration value="contacts:DirectoryId"/>
     <xs:enumeration value="contacts:DirectReports"/>
     <xs:enumeration
       value="contacts:EmailAddresses"
      />
     <xs:enumeration
       value="contacts:FileAs"
      />
     <xs:enumeration
       value="contacts:FileAsMapping"
      />
     <xs:enumeration
       value="contacts:Generation"
      />
     <xs:enumeration
       value="contacts:GivenName"
      />
     <xs:enumeration
       value="contacts:ImAddresses"
      />
     <xs:enumeration
       value="contacts:Initials"
      />
     <xs:enumeration
       value="contacts:JobTitle"
      />
     <xs:enumeration
       value="contacts:Manager"
      />
     <xs:enumeration value="contacts:ManagerMailbox"/>
     <xs:enumeration
       value="contacts:MiddleName"
      />
     <xs:enumeration
       value="contacts:Mileage"
      />
     <xs:enumeration value="contacts:MSExchangeCertificate"/>
     <xs:enumeration
       value="contacts:Nickname"
      />
     <xs:enumeration value="contacts:Notes"/>
     <xs:enumeration
       value="contacts:OfficeLocation"
      />
     <xs:enumeration
       value="contacts:PhoneNumbers"
      />
     <xs:enumeration value="contacts:PhoneticFullName"/>
     <xs:enumeration value="contacts:PhoneticFirstName"/>
     <xs:enumeration value="contacts:PhoneticLastName"/>
     <xs:enumeration value="contacts:Photo"/>
     <xs:enumeration
       value="contacts:PhysicalAddresses"
      />
```

```xml
<xs:enumeration
 value="contacts:PostalAddressIndex"
 />
<xs:enumeration
 value="contacts:Profession"
 />
<xs:enumeration
 value="contacts:SpouseName"
 />
<xs:enumeration
 value="contacts:Surname"
 />
<xs:enumeration
 value="contacts:WeddingAnniversary"
 />
<xs:enumeration value="contacts:UserSMIMECertificate"/>
<xs:enumeration
 value="contacts:HasPicture"
 />
<xs:enumeration
 value="distributionlist:Members"
 />
<xs:enumeration
 value="postitem:PostedTime"
 />
<xs:enumeration
 value="conversation:ConversationId"
 />
<xs:enumeration
 value="conversation:ConversationTopic"
 />
<xs:enumeration
 value="conversation:UniqueRecipients"
 />
<xs:enumeration
 value="conversation:GlobalUniqueRecipients"
 />
<xs:enumeration
 value="conversation:UniqueUnreadSenders"
 />
<xs:enumeration
 value="conversation:GlobalUniqueUnreadSenders"
 />
<xs:enumeration
 value="conversation:UniqueSenders"
 />
<xs:enumeration
 value="conversation:GlobalUniqueSenders"
 />
<xs:enumeration
 value="conversation:LastDeliveryTime"
 />
<xs:enumeration
 value="conversation:GlobalLastDeliveryTime"
 />
<xs:enumeration
 value="conversation:Categories"
 />
<xs:enumeration
```

```
        value="conversation:GlobalCategories"
 />
<xs:enumeration
  value="conversation:FlagStatus"
 />
<xs:enumeration
  value="conversation:GlobalFlagStatus"
 />
<xs:enumeration
  value="conversation:HasAttachments"
 />
<xs:enumeration
  value="conversation:GlobalHasAttachments"
 />
<xs:enumeration
  value="conversation:MessageCount"
 />
<xs:enumeration
  value="conversation:GlobalMessageCount"
 />
<xs:enumeration
  value="conversation:UnreadCount"
 />
<xs:enumeration
  value="conversation:GlobalUnreadCount"
 />
<xs:enumeration
  value="conversation:Size"
 />
<xs:enumeration
  value="conversation:GlobalSize"
 />
<xs:enumeration
  value="conversation:ItemClasses"
 />
<xs:enumeration
  value="conversation:GlobalItemClasses"
 />
<xs:enumeration
  value="conversation:Importance"
 />
<xs:enumeration
  value="conversation:GlobalImportance"
 />
<xs:enumeration
  value="conversation:ItemIds"
 />
<xs:enumeration
  value="conversation:GlobalItemIds"
 />
  <xs:enumeration value ="conversation:LastModifiedTime" />
  <xs:enumeration value="conversation:InstanceKey" />
  <xs:enumeration value ="conversation:Preview" />
  <xs:enumeration value ="conversation:InferredImportance" />
  <xs:enumeration value ="conversation:GlobalInferredImportance" />
  <xs:enumeration value ="conversation:GlobalParentFolderIds" />
  <xs:enumeration value ="conversation:NextPredictedAction" />
  <xs:enumeration value ="person:GivenName" />
  <xs:enumeration value ="person:CompanyName" />
```

```
        <xs:enumeration value ="person:Surname" />
        <xs:enumeration value ="person:DisplayName" />
        <xs:enumeration value ="person:EmailAddress" />
        <xs:enumeration value ="person:FileAs" />
        <xs:enumeration value ="person:HomeCity" />
        <xs:enumeration value ="person:CreationTime" />
        <xs:enumeration value ="person:RelevanceScore" />
        <xs:enumeration value ="person:WorkCity" />
        <xs:enumeration value ="person:DisplayNameFirstLast" />
        <xs:enumeration value ="person:DisplayNameLastFirst" />
    </xs:restriction>
</xs:simpleType>
```

The following table lists the values that are defined by the **UnindexedFieldURIType** simple type.

Value	Description
folder:FolderId	Specifies the **FolderId** property.
folder:ParentFolderId	Specifies the **ParentFolderId** property.
folder:DisplayName	Specifies the **DisplayName** property.
folder:UnreadCount	Specifies the **UnreadCount** property.
folder:TotalCount	Specifies the **TotalCount** property.
folder:ChildFolderCount	Specifies the **ChildFolderCount** property.
folder:FolderClass	Specifies the **FolderClass** property.
folder:SearchParameters	Specifies the **SearchParameters** property.
folder:ManagedFolderInformation	Specifies the **ManagedFolderInformation** property.
folder:PermissionSet	Specifies the **PermissionSet** property.
folder:EffectiveRights	Specifies the **EffectiveRights** property.
folder:SharingEffectiveRights	Specifies the **SharingEffectiveRights** property.
folder:DistinguishedFolderId	Specifies the **DistinguishedFolderId** property.<67>
folder:PolicyTag	Specifies the **PolicyTag** property.<68>
folder:ArchiveTag	Specifies the **ArchiveTag** property.<69>
item:ItemId	Specifies the **ItemId** property.
item:ParentFolderId	Specifies the **ParentFolderId** property.
item:ItemClass	Specifies the **ItemClass** property.
item:MimeContent	Specifies the **MimeContent** property.
item:Attachments	Specifies the **Attachments** property.
item:Subject	Specifies the **Subject** property.

Value	Description
item:DateTimeReceived	Specifies the **DateTimeReceived** property.
item:Size	Specifies the **Size** property.
item:Categories	Specifies the **Categories** property.
item:HasAttachments	Specifies the **HasAttachments** property.
item:Importance	Specifies the **Importance** property.
item:InReplyTo	Specifies the **InReplyTo** property.
item:InternetMessageHeaders	Specifies the **InternetMessageHeaders** property.
item:IsAssociated	Specifies the **IsAssociated** property.
item:IsDraft	Specifies the **IsDraft** property.
item:IsFromMe	Specifies the **IsFromMe** property.
item:IsResend	Specifies the **IsResend** property.
item:IsSubmitted	Specifies the **IsSubmitted** property.
item:IsUnmodified	Specifies the **IsUnmodified** property.
item:DateTimeSent	Specifies the **DateTimeSent** property.
item:DateTimeCreated	Specifies the **DateTimeCreated** property.
item:Body	Specifies the **Body** property.
item:ResponseObjects	Specifies the **ResponseObjects** property.
item:Sensitivity	Specifies the **Sensitivity** property.
item:ReminderDueBy	Specifies the **ReminderDueBy** property.
item:ReminderIsSet	Specifies the **ReminderIsSet** property.
item:ReminderMinutesBeforeStart	Specifies the **ReminderMinutesBeforeStart** property.
item:DisplayTo	Specifies the **DisplayTo** property.
item:DisplayCc	Specifies the **DisplayCc** property.
item:Culture	Specifies the **Culture** property.
item:EffectiveRights	Specifies the **EffectiveRights** property.
item:LastModifiedName	Specifies the **LastModifiedName** property.
item:LastModifiedTime	Specifies the **LastModifiedTime** property.
item:ConversationId	Specifies the **ConversationId** property.
item:UniqueBody	Specifies the **UniqueBody** property.
item:InferredImportance	Specifies the **InferredImportance** property.<70>

Value	Description
item:InferredImportanceReason	Specifies the **InferredImportanceReason** property.<71>
item:Flag	Specifies the **Flag** property.<72>
item:StoreEntryId	Specifies the **StoreEntryId** property.
item:InstanceKey	Specifies the **InstanceKey** property.<73>
item:NormalizedBody	Specifies the **NormalizedBody** property.<74>
item:PolicyTag	Specifies the **PolicyTag** property.<75>
item:ArchiveTag	Specifies the **ArchiveTag** property.<76>
item:RetentionDate	Specifies the **RetentionDate** property.<77>
item:Preview	Specifies the **Preview** property.<78>
item:WebClientReadFormQueryString	Specifies the **WebClientReadFormQueryString** property.
item:WebClientEditFormQueryString	Specifies the **WebClientEditFormQueryString** property.
message:ConversationIndex	Specifies the **ConversationIndex** property. This property is also valid for postitem.
message:ConversationTopic	Specifies the **ConversationTopic** property. This property is also valid for postitem.
message:InternetMessageId	Specifies the **InternetMessageId** property. This property is also valid for postitem.
message:IsRead	Specifies the **IsRead** property.
message:IsResponseRequested	Specifies the **IsResponseRequested** property.
message:IsReadReceiptRequested	Specifies the **IsReadReceiptRequested** property.
message:IsDeliveryReceiptRequested	Specifies the **IsDeliveryReceiptRequested** property.
message:ReceivedBy	Specifies the **ReceivedBy** property.
message:ReceivedRepresenting	Specifies the **ReceivedRepresenting** property.
message:References	Specifies the **References** property. This property is also valid for postitem.
message:ReplyTo	Specifies the **ReplyTo** property.
message:From	Specifies the **From** property. This property is also valid for postitem.
message:Sender	Specifies the **Sender** property. This property is also valid for postitem.
message:ToRecipients	Specifies the **ToRecipients** property.
message:CcRecipients	Specifies the **CcRecipients** property.
message:BccRecipients	Specifies the **BccRecipients** property.

Value	Description
meeting:AssociatedCalendarItemId	Specifies the **AssociatedCalendarItemId** property.
meeting:IsDelegated	Specifies the **IsDelegated** property.
meeting:IsOutOfDate	Specifies the **IsOutOfDate** property.
meeting:HasBeenProcessed	Specifies the **HasBeenProcessed** property.
meeting:ResponseType	Specifies the **ResponseType** property.
meetingRequest:MeetingRequestType	Specifies the **MeetingRequestType** property.
meetingRequest:IntendedFreeBusyStatus	Specifies the **IntendedFreeBusyStatus** property.
meetingRequest:ChangeHighlights	Specifies the **ChangeHighlight** property.<79>
calendar:Start	Specifies the **Start** property.
calendar:End	Specifies the **End** property.
calendar:OriginalStart	Specifies the **OriginalStart** property.
calendar:StartWallClock	Specifies the **StartWallClock** property.<80>
calendar:EndWallClock	Specifies the **EndWallClock** property.<81>
calendar:StartTimeZoneId	Specifies the **StartTimeZone** property.<82>
calendar:EndTimeZoneId	Specifies the **EndTimeZone** property.<83>
calendar:IsAllDayEvent	Specifies the **IsAllDayEvent** property.
calendar:LegacyFreeBusyStatus	Specifies the **LegacyFreeBusyStatus** property.
calendar:Location	Specifies the **Location** property.
calendar:When	Specifies the **When** property.
calendar:EnhancedLocation	Specifies the **EnhancedLocation** property.<84>
calendar:IsMeeting	Specifies the **IsMeeting** property.
calendar:IsCancelled	Specifies the **IsCancelled** property.
calendar:IsRecurring	Specifies the **IsRecurring** property.
calendar:MeetingRequestWasSent	Specifies the **MeetingRequestWasSent** property.
calendar:IsResponseRequested	Specifies the **IsResponseRequested** property.
calendar:CalendarItemType	Specifies the **CalendarItemType** property.
calendar:MyResponseType	Specifies the **MyResponseType** property.
calendar:Organizer	Specifies the **Organizer** property.
calendar:RequiredAttendees	Specifies the **RequiredAttendees** property.
calendar:OptionalAttendees	Specifies the **OptionalAttendees** property.

Value	Description
calendar:Resources	Specifies the **Resources** property.
calendar:ConflictingMeetingCount	Specifies the **ConflictingMeetingCount** property.
calendar:AdjacentMeetingCount	Specifies the **AdjacentMeetingCount** property.
calendar:ConflictingMeetings	Specifies the **ConflictingMeetings** property.
calendar:AdjacentMeetings	Specifies the **AdjacentMeetings** property.
calendar:Duration	Specifies the **Duration** property.
calendar:TimeZone	Specifies the **TimeZone** property.
calendar:AppointmentReplyTime	Specifies the **AppointmentReplyTime** property.
calendar:AppointmentSequenceNumber	Specifies the **AppointmentSequenceNumber** property.
calendar:AppointmentState	Specifies the **AppointmentState** property.
calendar:Recurrence	Specifies the **Recurrence** property.
calendar:FirstOccurrence	Specifies the **FirstOccurrence** property.
calendar:LastOccurrence	Specifies the **LastOccurrence** property.
calendar:ModifiedOccurrences	Specifies the **ModifiedOccurrences** property.
calendar:DeletedOccurrences	Specifies the **DeletedOccurrences** property.
calendar:MeetingTimeZone	Specifies the **MeetingTimeZone** property.
calendar:ConferenceType	Specifies the **ConferenceType** property.
calendar:AllowNewTimeProposal	Specifies the **AllowNewTimeProposal** property.
calendar:IsOnlineMeeting	Specifies the **IsOnlineMeeting** property.
calendar:MeetingWorkspaceUrl	Specifies the **MeetingWorkspaceUrl** property.
calendar:NetShowUrl	Specifies the **NetShowUrl** property.
calendar:UID	Specifies the **UID** property.
calendar:RecurrenceId	Specifies the **RecurrenceId** property.
calendar:DateTimeStamp	Specifies the **DateTimeStamp** property.
calendar:StartTimeZone	Specifies the **StartTimeZone** property.
calendar:EndTimeZone	Specifies the **EndTimeZone** property.
task:ActualWork	Specifies the **ActualWork** property.
task:AssignedTime	Specifies the **AssignedTime** property.
task:BillingInformation	Specifies the **BillingInformation** property.
task:ChangeCount	Specifies the **ChangeCount** property.

Value	Description
task:Companies	Specifies the **Companies** property.
task:CompleteDate	Specifies the **CompleteDate** property.
task:Contacts	Specifies the **Contacts** property.
task:DelegationState	Specifies the **DelegationState** property.
task:Delegator	Specifies the **Delegator** property.
task:DueDate	Specifies the **DueDate** property.
task:IsAssignmentEditable	Specifies the **IsAssignmentEditable** property.
task:IsComplete	Specifies the **IsComplete** property.
task:IsRecurring	Specifies the **IsRecurring** property.
task:IsTeamTask	Specifies the **IsTeamTask** property.
task:Mileage	Specifies the **Mileage** property.
task:Owner	Specifies the **Owner** property.
task:PercentComplete	Specifies the **PercentComplete** property.
task:Recurrence	Specifies the **Recurrence** property.
task:StartDate	Specifies the **StartDate** property.
task:Status	Specifies the **Status** property.
task:StatusDescription	Specifies the **StatusDescription** property.
task:TotalWork	Specifies the **TotalWork** property.
contacts:Alias	Specifies the **Alias** property.
contacts:AssistantName	Specifies the **AssistantName** property.
contacts:Birthday	Specifies the **Birthday** property.
contacts:BusinessHomePage	Specifies the **BusinessHomePage** property.
contacts:Children	Specifies the **Children** property.
contacts:Companies	Specifies the **Companies** property.
contacts:CompanyName	Specifies the **CompanyName** property.
contacts:CompleteName	Specifies the **CompleteName** property.
contacts:ContactSource	Specifies the **ContactSource** property.
contacts:Culture	Specifies the **Culture** property.
contacts:Department	Specifies the **Department** property.
contacts:DisplayName	Specifies the **DisplayName** property.

Value	Description
contacts:DirectoryId	Specifies the **DirectoryId** property.
contacts:DirectReports	Specifies the **DirectReports** property.
contacts:EmailAddresses	Specifies the **EmailAddresses** property.
contacts:FileAs	Specifies the **FileAs** property.
contacts:FileAsMapping	Specifies the **FileAsMapping** property.
contacts:Generation	Specifies the **Generation** property.
contacts:GivenName	Specifies the **GivenName** property.
contacts:ImAddresses	Specifies the **ImAddresses** property.
contacts:Initials	Specifies the **Initials** property.
contacts:JobTitle	Specifies the **JobTitle** property.
contacts:Manager	Specifies the **Manager** property.
contacts:ManagerMailbox	Specifies the **ManagerMailbox** property.
contacts:MiddleName	Specifies the **MiddleName** property.
contacts:Mileage	Specifies the **Mileage** property.
contacts:MSExchangeCertificate	Specifies the **MSExchangeCertificate** property.
contacts:Nickname	Specifies the **Nickname** property.
contacts:Notes	Specifies the **Notes** property.
contacts:OfficeLocation	Specifies the **OfficeLocation** property.
contacts:PhoneNumbers	Specifies the **PhoneNumbers** property.
contacts:PhoneticFullName	Specifies the **PhoneticFullName** property.
contacts:PhoneticFirstName	Specifies the **PhoneticFirstName** property.
contacts:PhoneticLastName	Specifies the **PhoneticLastName** property.
contacts:Photo	Specifies the **Photo** property.
contacts:PhysicalAddresses	Specifies the **PhysicalAddresses** property.
contacts:PostalAddressIndex	Specifies the **PostalAddressIndex** property.
contacts:Profession	Specifies the **Profession** property.
contacts:SpouseName	Specifies the **SpouseName** property.
contacts:Surname	Specifies the **Surname** property.
contacts:WeddingAnniversary	Specifies the **WeddingAnniversary** property.
contacts:UserSMIMECertificate	Specifies the **UserSMIMECertificate** property.

Value	Description
contacts:HasPicture	Specifies whether a contact has a picture.
distributionlist:Members	Specifies the **Members** property.
postitem:PostedTime	Specifies the **PostedTime** property.
conversation:ConversationId	Specifies the **ConversationId** property.
conversation:ConversationTopic	Specifies the **ConversationTopic** property.
conversation:UniqueRecipients	Specifies the **UniqueRecipients** property.
conversation:GlobalUniqueRecipients	Specifies the **GlobalUniqueRecipients** property.
conversation:UniqueUnreadSenders	Specifies the **UniqueUnreadSenders** property.
conversation:GlobalUniqueUnreadSenders	Specifies the **GlobalUniqueUnreadSenders** property.
conversation:UniqueSenders	Specifies the **UniqueSenders** property.
conversation:GlobalUniqueSenders	Specifies the **GlobalUniqueSenders** property.
conversation:LastDeliveryTime	Specifies the **LastDeliveryTime** property.
conversation:GlobalLastDeliveryTime	Specifies the **GlobalLastDeliveryTime** property.
conversation:Categories	Specifies the **Categories** property.
conversation:GlobalCategories	Specifies the **GlobalCategories** property.
conversation:FlagStatus	Specifies the **FlagStatus** property.
conversation:GlobalFlagStatus	Specifies the **GlobalFlagStatus** property.
conversation:HasAttachments	Specifies the **HasAttachments** property.
conversation:GlobalHasAttachments	Specifies the **GlobalHasAttachments** property.
conversation:MessageCount	Specifies the **MessageCount** property.
conversation:GlobalMessageCount	Specifies the **GlobalMessageCount** property.
conversation:UnreadCount	Specifies the **UnreadCount** property.
conversation:GlobalUnreadCount	Specifies the **GlobalUnreadCount** property.
conversation:Size	Specifies the **Size** property.
conversation:GlobalSize	Specifies the **GlobalSize** property.
conversation:ItemClasses	Specifies the **ItemClasses** property.
conversation:GlobalItemClasses	Specifies the **GlobalItemClasses** property.
conversation:Importance	Specifies the **Importance** property.
conversation:GlobalImportance	Specifies the **GlobalImportance** property.
conversation:ItemIds	Specifies the **ItemIds** property.

Value	Description
conversation:GlobalItemIds	Specifies the **GlobalItemIds** property.
conversation:LastModifiedTime	Specifies the **LastModifiedTime** property.<85>
conversation:InstanceKey	Specifies the **InstanceKey** property.<86>
conversation:Preview	Specifies the **Preview** property.<87>
conversation:InferredImportance	Specifies the **InferredImportance** property.<88>
conversation:GlobalInferredImportance	Specifies the **GlobalInferredImportance** property.<89>
conversation:GlobalParentFolderIds	Specifies the **GlobalParentFolderIds** property.<90>
conversation:NextPredictedAction	Specifies the **NextPredictedAction** property.<91>
person:GivenName	Specifies the **GivenName** property.<92>
person:CompanyName	Specifies the **CompanyName** property.<93>
person:Surname	Specifies the **Surname** property.<94>
person:DisplayName	Specifies the **DisplayName** property.<95>
person:EmailAddress	Specifies the **EmailAddress** property.<96>
person:FileAs	Specifies the **FileAs** property.<97>
person:HomeCity	Specifies the **HomeCity** property.<98>
person:CreationTime	Specifies the **CreationTime** property.<99>
person:RelevanceScore	Specifies the **RelevanceScore** property.<100>
person:WorkCity	Specifies the **WorkCity** property.<101>
person:DisplayNameFirstLast	Specifies the **DisplayNameFirstLast** property.<102>
person:DisplayNameLastFirst	Specifies the **DisplayNameLastFirst** property.<103>

2.2.3 Complex Types

2.2.3.1 t:AbsoluteMonthlyRecurrencePatternType Complex Type

The **AbsoluteMonthlyRecurrencePatternType** complex type specifies a monthly recurrence pattern.

```
<xs:complexType name="AbsoluteMonthlyRecurrencePatternType">
  <xs:complexContent>
  <xs:extension
    base="t:IntervalRecurrencePatternBaseType"
  >
    <xs:sequence>
      <xs:element name="DayOfMonth"
        type="xs:int"
        />
    </xs:sequence>
```

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

Child Elements

Element	Type	Description
DayOfMonth	xs:int ([XMLSCHEMA2])	Specifies the day of the month on which a recurring item occurs. This property MUST be present.

2.2.3.2   t:AbsoluteYearlyRecurrencePatternType Complex Type

The **AbsoluteYearlyRecurrencePatternType** complex type specifies a yearly recurrence pattern.

```
<xs:complexType name="AbsoluteYearlyRecurrencePatternType">
  <xs:complexContent>
    <xs:extension
      base="t:RecurrencePatternBaseType"
    >
      <xs:sequence>
        <xs:element name="DayOfMonth"
          type="xs:int"
         />
        <xs:element name="Month"
          type="t:MonthNamesType"
         />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
DayOfMonth	xs:int ([XMLSCHEMA2])	Specifies the day of the month on which a yearly recurring item occurs. This property MUST be present.
Month	t:MonthNamesType (section 2.2.2.18)	Specifies the month in which a yearly recurring item occurs. This property MUST be present.

2.2.3.3   t:AcceptSharingInvitationType Complex Type

The **AcceptSharingInvitationType** complex type specifies a response object that is used to respond to a sharing invitation request.

```
<xs:complexType name="AcceptSharingInvitationType">
  <xs:complexContent>
    <xs:extension
      base="t:ReferenceItemResponseType"
     />
```

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2.2.3.4 t:ArrayOfCalendarPermissionsType Complex Type

The **ArrayOfCalendarPermissionsType** complex type specifies an array of calendar permissions for a folder.

```
<xs:complexType name="ArrayOfCalendarPermissionsType">
  <xs:choice
    maxOccurs="unbounded"
    minOccurs="0"
  >
    <xs:element name="CalendarPermission"
      type="t:CalendarPermissionType"
    />
  </xs:choice>
</xs:complexType>
```

Child Elements

Element	Type	Description
CalendarPermission	t:CalendarPermissionType	Specifies the access that a **delegate** has to a calendar folder. This element MUST exist if calendar permissions are set on a calendar folder.

2.2.3.5 t:ArrayOfEmailAddressesType Complex Type

The **ArrayOfEmailAddressesType** complex type specifies a list of e-mail addresses in the **GetRoomLists** operation ([MS-OXWSGTRM] section 3.1.4.1) and **GetMessageTrackingReport** operation ([MS-OXWSMTRK] section 3.1.4.2) responses.

```
<xs:complexType name="ArrayOfEmailAddressesType">
  <xs:sequence>
    <xs:element name="Address"
      type="t:EmailAddressType"
      maxOccurs="unbounded"
      minOccurs="0"
    />
  </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
Address	t:EmailAddressType	Specifies a single e-mail address.

2.2.3.6 t:ArrayOfHighlightTermsType

Note *All of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure.*

The **ArrayOfHighlightTermsType** complex type specifies an array of highlight terms.<104>

```
<xs:complexType name="ArrayOfHighlightTermsType">
  <xs:sequence>
    <xs:element name="Term" type="t:HighlightTermType" minOccurs="0" maxOccurs="unbounded"
/>
  </xs:sequence>
</xs:complexType>
```

The following table lists the child element of the **ArrayOfHighlightTermsType** complex type.

Name	Type	Description
Term	**t:HighlightTermType**	Specifies a single highlighted term.

2.2.3.7 t:ArrayOfPermissionsType Complex Type

The **ArrayOfPermissionsType** complex type specifies a collection of permissions for a folder.

```
<xs:complexType name="ArrayOfPermissionsType">
  <xs:choice
    minOccurs="0"
    maxOccurs="unbounded"
  >
    <xs:element name="Permission"
      type="t:PermissionType"
     />
  </xs:choice>
</xs:complexType>
```

Child Elements

Element	Type	Description
Permission	t:PermissionType	Specifies a single access permission that a delegate has to a folder. This element can occur zero or more times.

2.2.3.8 t:ArrayOfRealItemsType Complex Type

The **ArrayOfRealItemsType** complex type specifies an array of items that are returned by search and item operations. This complex type can contain zero or more elements that represent items.

```
<xs:complexType name="ArrayOfRealItemsType">
  <xs:sequence>
    <xs:choice
      minOccurs="0"
      maxOccurs="unbounded"
    >
```

---

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```
                 <xs:element name="Item"
                   type="t:ItemType"
                  />
                 <xs:element name="Message"
                   type="t:MessageType"
                  />
                 <xs:element name="CalendarItem"
                   type="t:CalendarItemType"
                  />
                 <xs:element name="Contact"
                   type="t:ContactItemType"
                  />
                 <xs:element name="DistributionList"
                   type="t:DistributionListType"
                  />
                 <xs:element name="MeetingMessage"
                   type="t:MeetingMessageType"
                  />
                 <xs:element name="MeetingRequest"
                   type="t:MeetingRequestMessageType"
                  />
                 <xs:element name="MeetingResponse"
                   type="t:MeetingResponseMessageType"
                  />
                 <xs:element name="MeetingCancellation"
                   type="t:MeetingCancellationMessageType"
                  />
                 <xs:element name="Task"
                   type="t:TaskType"
                  />
                 <xs:element name="PostItem"
                   type="t:PostItemType"
                  />
            </xs:choice>
          </xs:sequence>
       </xs:complexType>
```

Child Elements

Element	Type	Description
Item	t:ItemType	This element MUST NOT be used in response messages. All items of type t:ItemType ([MS-OXWSCORE]) MUST be returned as a t:MessageType type ([MS-OXWSMSG]).
Message	t:MessageType	Specifies a message item or other item that is not represented by the **CalendarItem**, **Contact**, **DistributionList**, **MeetingMessage**, **MeetingRequest**, **MeetingResponse**, **MeetingCancellation**, **Task**, or **PostItem** element.
CalendarItem	t:CalendarItemType	Specifies a calendar item.

Element	Type	Description
Contact	t:ContactItemType	Specifies a contact item.
DistributionList	t:DistributionListType	Specifies a distribution list item.
MeetingMessage	t:MeetingMessageType	Specifies a meeting message item.
MeetingRequest	t:MeetingRequestMessageType	Specifies a meeting request message item.
MeetingResponse	t:MeetingResponseMessageType	Specifies a meeting response message item.
MeetingCancellation	t:MeetingCancellationMessageType	Specifies a meeting cancellation message item.
Task	t:TaskType	Specifies a task item.
PostItem	t:PostItemType	Specifies a post item.

2.2.3.9   t:ArrayOfRecipientsType Complex Type

The **ArrayOfRecipientsType** complex type specifies an array of recipients of an item.

```
<xs:complexType name="ArrayOfRecipientsType">
  <xs:choice
    maxOccurs="unbounded"
    minOccurs="0"
  >
    <xs:element name="Mailbox"
      type="t:EmailAddressType"
     />
  </xs:choice>
</xs:complexType>
```

Child Elements

Element	Type	Description
Mailbox	t:EmailAddressType	Specifies a single item recipient by e-mail address.

2.2.3.10   m:ArrayOfResponseMessagesType Complex Type

Note   Some of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure. For information about specific differences between versions, see the behavior notes that are provided in the Product Behavior appendix.

The **ArrayOfResponseMessagesType** complex type specifies an array of response messages.

```
<xs:complexType name="ArrayOfResponseMessagesType">
  <xs:choice
    maxOccurs="unbounded"
  >
    <xs:element name="CreateItemResponseMessage"
      type="m:ItemInfoResponseMessageType"
```

```xml
                    />
                    <xs:element name="DeleteItemResponseMessage"
                      type="m:ResponseMessageType"
                     />
                    <xs:element name="GetItemResponseMessage"
                      type="m:ItemInfoResponseMessageType"
                     />
                    <xs:element name="UpdateItemResponseMessage"
                      type="m:UpdateItemResponseMessageType"
                     />
                    <xs:element name="UpdateItemInRecoverableItemsResponseMessage"
                     type="m:UpdateItemInRecoverableItemsResponseMessageType"/>
                    <xs:element name="SendItemResponseMessage"
                      type="m:ResponseMessageType"
                     />
                    <xs:element name="DeleteFolderResponseMessage"
                      type="m:ResponseMessageType"
                     />
                    <xs:element name="EmptyFolderResponseMessage"
                      type="m:ResponseMessageType"
                     />
                    <xs:element name="CreateFolderResponseMessage"
                      type="m:FolderInfoResponseMessageType"
                     />
                    <xs:element name="GetFolderResponseMessage"
                      type="m:FolderInfoResponseMessageType"
                     />
                    <xs:element name="FindFolderResponseMessage"
                      type="m:FindFolderResponseMessageType"
                     />
                    <xs:element name="UpdateFolderResponseMessage"
                      type="m:FolderInfoResponseMessageType"
                     />
                    <xs:element name="MoveFolderResponseMessage"
                      type="m:FolderInfoResponseMessageType"
                     />
                    <xs:element name="CopyFolderResponseMessage"
                      type="m:FolderInfoResponseMessageType"
                     />
                    <xs:element name="CreateFolderPathResponseMessage"
                     type="m:FolderInfoResponseMessageType"
                    />
                    <xs:element name="CreateAttachmentResponseMessage"
                      type="m:AttachmentInfoResponseMessageType"
                     />
                    <xs:element name="DeleteAttachmentResponseMessage"
                      type="m:DeleteAttachmentResponseMessageType"
                     />
                    <xs:element name="GetAttachmentResponseMessage"
                      type="m:AttachmentInfoResponseMessageType"
                     />
                    <xs:element name="UploadItemsResponseMessage"
                      type="m:UploadItemsResponseMessageType"
                     />
                    <xs:element name="ExportItemsResponseMessage"
                      type="m:ExportItemsResponseMessageType"
                     />
                      <xs:element name="MarkAllItemsAsReadResponseMessage"
                        type="m:ResponseMessageType"/>
```

```
            <xs:element name="GetClientAccessTokenResponseMessage"
             type="m:GetClientAccessTokenResponseMessageType"/>
            <xs:element name="GetClientExtensionManifestsResponseMessage"
             type="m:ResponseMessageType"/>
            <xs:element name="GetClientExtensionResponseMessage"
             type="m:ResponseMessageType"/>
            <xs:element name="SetClientExtensionResponseMessage"
             type="m:ResponseMessageType"/>

    <xs:element name="FindItemResponseMessage"
      type="m:FindItemResponseMessageType"
     />
    <xs:element name="MoveItemResponseMessage"
      type="m:ItemInfoResponseMessageType"
     />
    <xs:element name="CopyItemResponseMessage"
      type="m:ItemInfoResponseMessageType"
     />
    <xs:element name="ResolveNamesResponseMessage"
      type="m:ResolveNamesResponseMessageType"
     />
    <xs:element name="ExpandDLResponseMessage"
      type="m:ExpandDLResponseMessageType"
     />
    <xs:element name="GetServerTimeZonesResponseMessage"
      type="m:GetServerTimeZonesResponseMessageType"
     />
    <xs:element name="GetEventsResponseMessage"
      type="m:GetEventsResponseMessageType"
     />
    <xs:element name="GetStreamingEventsResponseMessage"
      type="m:GetStreamingEventsResponseMessageType"
     />
    <xs:element name="SubscribeResponseMessage"
      type="m:SubscribeResponseMessageType"
     />
    <xs:element name="UnsubscribeResponseMessage"
      type="m:ResponseMessageType"
     />
    <xs:element name="SendNotificationResponseMessage"
      type="m:SendNotificationResponseMessageType"
     />
    <xs:element name="SyncFolderHierarchyResponseMessage"
      type="m:SyncFolderHierarchyResponseMessageType"
     />
    <xs:element name="SyncFolderItemsResponseMessage"
      type="m:SyncFolderItemsResponseMessageType"
     />
    <xs:element name="CreateManagedFolderResponseMessage"
      type="m:FolderInfoResponseMessageType"
     />
    <xs:element name="ConvertIdResponseMessage"
      type="m:ConvertIdResponseMessageType"
     />
    <xs:element name="GetSharingMetadataResponseMessage"
      type="m:GetSharingMetadataResponseMessageType"
     />
    <xs:element name="RefreshSharingFolderResponseMessage"
      type="m:RefreshSharingFolderResponseMessageType"
```

```
          />
        <xs:element name="GetSharingFolderResponseMessage"
          type="m:GetSharingFolderResponseMessageType"
         />
        <xs:element name="CreateUserConfigurationResponseMessage"
          type="m:ResponseMessageType"
         />
        <xs:element name="DeleteUserConfigurationResponseMessage"
          type="m:ResponseMessageType"
         />
        <xs:element name="GetUserConfigurationResponseMessage"
          type="m:GetUserConfigurationResponseMessageType"
         />
        <xs:element name="UpdateUserConfigurationResponseMessage"
          type="m:ResponseMessageType"
         />
        <xs:element name="GetRoomListsResponse"
          type="m:GetRoomListsResponseMessageType"
         />
        <xs:element name="GetRoomsResponse"
          type="m:GetRoomsResponseMessageType"
         />
          <xs:element name="GetRemindersResponse"
           type="m:GetRemindersResponseMessageType"/>
          <xs:element name="PerformReminderActionResponse"
           type="m:PerformReminderActionResponseMessageType"/>
        <xs:element name="ApplyConversationActionResponseMessage"
          type="m:ResponseMessageType"
         />
          <xs:element name="GetSearchableMailboxesResponseMessage"
  type="m:GetSearchableMailboxesResponseMessageType"/>
          <xs:element name="SearchMailboxesResponseMessage"
  type="m:SearchMailboxesResponseMessageType"/>
          <xs:element name="GetHoldOnMailboxesResponseMessage"
  type="m:GetHoldOnMailboxesResponseMessageType"/>
          <xs:element name="SetHoldOnMailboxesResponseMessage"
  type="m:SetHoldOnMailboxesResponseMessageType"/>
          <xs:element name="FindPeopleResponseMessage" type="m:FindPeopleResponseMessageType"/>

        <xs:element name="GetPasswordExpirationDateResponse"
  type="m:GetPasswordExpirationDateResponseMessageType"
         />
          <xs:element name="GetPersonaResponseMessage" type="m:GetPersonaResponseMessageType"/>
          <xs:element name="GetConversationItemsResponseMessage"
  type="m:GetConversationItemsResponseMessageType"/>
          <xs:element name="GetUserRetentionPolicyTagsResponseMessage"
  type="m:GetUserRetentionPolicyTagsResponseMessageType"/>
          <xs:element name="GetUserPhotoResponseMessage"
  type="m:GetUserPhotoResponseMessageType"/>
  </xs:choice>
</xs:complexType>
```

The following table lists the child elements of the **ArrayOfResponseMessagesType** complex type.

Element name	Type	Description
CreateItemResponseMessage	m:ItemInfoResponseMessageType	Specifies the response

Element name	Type	Description
		message for the **CreateItem** operation [MS-OXWSCORE] section 3.1.4.2).
DeleteItemResponseMessage	m:ResponseMessageType	Specifies the response message for the **DeleteItem** operation ([MS-OXWSCORE] section 3.1.4.3).
GetItemResponseMessage	**m:ItemInfoResponseMessageType**	Specifies the response message for the **GetItem** operation ([MS-OXWSCORE] section 3.1.4.4).
UpdateItemResponseMessage	**m:UpdateItemResponseMessageType**	Specifies the response message for the **UpdateItem** operation ([MS-OXWSCORE] section 3.1.4.8).
UpdateItemInRecoverableItemsResponseMessage	**m:UpdateItemInRecoverableItemsResponseMessageType**	Specifies the response message for the **UpdateItemInRecoverableItems** operation.<105>
SendItemResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **SendItem** operation ([MS-OXWSCORE] section 3.1.4.7).
DeleteFolderResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **DeleteFolder** operation ([MS-OXWSFOLD] section 3.1.4.4).
EmptyFolderResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **EmptyFolder** operation.<106>
CreateFolderResponseMessage	**m:FolderInfoResponseMessageType**	Specifies the response message for the **CreateFolder** operation ([MS-OXWSFOLD] section 3.1.4.2).
GetFolderResponseMessage	**m:FolderInfoResponseMessageType**	Specifies the response message for the **GetFolder** operation ([MS-OXWSFOLD] section 3.1.4.6).
FindFolderResponseMessage	**m:FindFolderResponseMessageType**	Specifies the response message for the **FindFolder** operation ([MS-OXWSSRCH] section 3.1.4.1).
UpdateFolderResponseMessage	**m:FolderInfoResponseMessageType**	Specifies the response message for the **UpdateFolder** operation ([MS-OXWSFOLD] section 3.1.4.8).

Element name	Type	Description
MoveFolderResponseMessage	**m:FolderInfoResponseMessageType**	Specifies the response message for the **MoveFolder** operation ([MS-OXWSFOLD] section 3.1.4.7).
CopyFolderResponseMessage	**m:FolderInfoResponseMessageType**	Specifies the response message for the **CopyFolder** operation ([MS-OXWSFOLD] section 3.1.4.1).
CreateFolderPathResponseMessage	**m:FolderInfoResponseMessageType**	Specifies the response message for the **CreateFolderPath** operation.<107>
CreateAttachmentResponseMessage	**m:AttachmentInfoResponseMessageType**	Specifies the response message for the **CreateAttachment** operation ([MS-OXWSATT] section 3.1.4.1).
DeleteAttachmentResponseMessage	**m:DeleteAttachmentResponseMessageType**	Specifies the response message for the **DeleteAttachment** operation ([MS-OXWSATT] section 3.1.4.2).
GetAttachmentResponseMessage	**m:AttachmentInfoResponseMessageType**	Specifies the response message for the **GetAttachment** operation ([MS-OXWSATT] section 3.1.4.3).
UploadItemsResponseMessage	**m:UploadItemsResponseMessageType**	Specifies the response message for the **UploadItems** operation ([MS-OXWSBTRF] section 3.1.4.2).<108>
ExportItemsResponseMessage	**m:ExportItemsResponseMessageType**	Specifies the response message for the **ExportItems** operation ([MS-OXWSBTRF] section 3.1.4.1).<109>
MarkAllItemsAsReadResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **MarkAllItemsAsRead** operation.<110>
GetClientAccessTokenResponseMessage	**m:GetClientAccessTokenResponseMessageType**	Specifies the response message for the **GetClientAccessToken** operation.<111>
GetClientExtensionManifestsResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **GetClientExtensionManifests** operation.<112>
GetClientExtensionResponseM	**m:ResponseMessageType**	Specifies the response

Element name	Type	Description
essage		message for the **GetClientExtension** operation.<113>
SetClientExtensionResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **SetClientExtension** operation.<114>
FindItemResponseMessage	**m:FindItemResponseMessageType**	Specifies the response message for the **FindItem** operation ([MS-OXWSSRCH] section 3.1.4.2).
MoveItemResponseMessage	**m:ItemInfoResponseMessageType**	Specifies the response message for the **MoveItem** operation ([MS-OXWSCORE] section 3.1.4.6).
CopyItemResponseMessage	**m:ItemInfoResponseMessageType**	Specifies the response message for the **CopyItem** operation ([MS-OXWSCORE] section 3.1.4.1).
ResolveNamesResponseMessage	**m:ResolveNamesResponseMessageType**	Specifies the response message for the **ResolveNames** operation ([MS-OXWSRSLNM] section 3.1.4.1).
ExpandDLResponseMessage	**m:ExpandDLResponseMessageType**	Specifies the response message for the **ExpandDL** operation ([MS-OXWSDLIST] section 3.1.4.1).
GetServerTimeZonesResponseMessage	**m:GetServerTimeZonesResponseMessageType**	Specifies the response message for the **GetServerTimeZones** operation ([MS-OXWSGTZ] section 3.1.4.1).
GetEventsResponseMessage	**m:GetEventsResponseMessageType**	Specifies the response message for the **GetEvents** operation ([MS-OXWSNTIF] section 3.1.4.1).
GetStreamingEventsResponseMessage	**m:GetStreamingEventsResponseMessageType**	Specifies the response message for the **GetStreamingEvents** operation ([MS-OXWSNTIF] section 3.1.4.2).<115>
SubscribeResponseMessage	**m:SubscribeResponseMessageType**	Specifies the response message for the **Subscribe** operation ([MS-OXWSNTIF] section 3.1.4.3).
UnsubscribeResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **Unsubscribe**

Element name	Type	Description
		operation ([MS-OXWSNTIF] section 3.1.4.4.
SendNotificationResponseMessage	m:SendNotificationResponseMessageType	Specifies the response message for the **SendNotification** operation ([MS-OXWSPSNTIF] section 3.1.4.1).
SyncFolderHierarchyResponseMessage	m:SyncFolderHierarchyResponseMessageType	Specifies the response message for the **SyncFolderHierarchy** operation ([MS-OXWSSYNC] section 3.1.4.1).
SyncFolderItemsResponseMessage	m:SyncFolderItemsResponseMessageType	Specifies the response message for the **SyncFolderItems** operation ([MS-OXWSSYNC] section 3.1.4.2).
CreateManagedFolderResponseMessage	m:FolderInfoResponseMessageType	Specifies the response message for the **CreateManagedFolder** operation ([MS-OXWSFOLD] section 3.1.4.3).
ConvertIdResponseMessage	m:ConvertIdResponseMessageType	Specifies the response message for the **ConvertId** operation ([MS-OXWSCVTID] section 3.1.4.1).
GetSharingMetadataResponseMessage	m:GetSharingMetadataResponseMessageType	Specifies the response message for the **GetSharingMetadata** operation ([MS-OXWSMSHR] section 3.1.4.4).
RefreshSharingFolderResponseMessage	m:RefreshSharingFolderResponseMessageType	Specifies the response message for the **RefreshSharingFolder** operation ([MS-OXWSMSHR] section 3.1.4.5).
GetSharingFolderResponseMessage	m:GetSharingFolderResponseMessageType	Specifies the response message for the **GetSharingFolder** operation ([MS-OXWSMSHR] section 3.1.4.3).
CreateUserConfigurationResponseMessage	m:ResponseMessageType	Specifies the response message for the **CreateUserConfiguration** operation ([MS-OXWSUSRCFG] section 3.1.4.1).
DeleteUserConfigurationResponseMessage	m:ResponseMessageType	Specifies the response message for the **DeleteUserConfiguration**

Element name	Type	Description
GetUserConfigurationResponseMessage	**m:GetUserConfigurationResponseMessageType**	Specifies the response message for the **GetUserConfiguration** operation ([MS-OXWSUSRCFG] section 3.1.4.3).
UpdateUserConfigurationResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **UpdateUserConfiguration** operation ([MS-OXWSUSRCFG] section 3.1.4.4).
GetRoomListsResponse	**m:GetRoomListsResponseMessageType**	Specifies the response message for the **GetRoomLists** operation ([MS-OXWSGTRM] section 3.1.4.1).
GetRoomsResponse	**m:GetRoomsResponseMessageType**	Specifies the response message for the **GetRooms** operation ([MS-OXWSGTRM] section 3.1.4.2).
GetRemindersResponse	**m:GetRemindersResponseMessageType**	Specifies the response message for the **GetReminders** operation.[116]
PerformReminderActionResponse	**m:PerformReminderActionResponseMessageType**	Specifies the response message for the **PerformReminderAction** operation.[117]
ApplyConversationActionResponseMessage	**m:ResponseMessageType**	Specifies the response message for the **ApplyConversationAction** operation ([MS-OXWSCONV] section 3.1.4.3).[118]
GetSearchableMailboxesResponseMessage	**m:GetSearchableMailboxesResponseMessageType**	Specifies the response message for the **GetSearchableMailboxes** operation.[119]
SearchMailboxesResponseMessage	**m:SearchMailboxesResponseMessageType**	Specifies the response message for the **SearchMailboxes** operation.[120]
GetHoldOnMailboxesResponseMessage	**m:GetHoldOnMailboxesResponseMessageType**	Specifies the response message for the **PerformReminderAction** operation.[121]
SetHoldOnMailboxesResponseMessage	**m:SetHoldOnMailboxesResponseMessageType**	Specifies the response message for the

Element name	Type	Description
		PerformReminderAction operation.<122>
FindPeopleResponseMessage	**m:FindPeopleResponseMessageType**	Specifies the response message for the **PerformReminderAction** operation.<123>
GetPasswordExpirationDateResponse	**m:GetPasswordExpirationDateResponseMessageType**	Specifies the response message for the GetPasswordExpirationDate operation ([MS-OXWSPED] section 3.1.4.1).<124>
GetPersonaResponseMessage	**m:GetPersonaResponseMessageType**	Specifies the response message for the **GetPersonaResponseMessage** operation.<125>
GetConversationItemsResponseMessage	**m:GetConversationItemsResponseMessageType**	Specifies the response message for the **GetConversationItemsResponseMessage** operation.<126>
GetUserRetentionPolicyTagsResponseMessage	**m:GetUserRetentionPolicyTagsResponseMessageType**	Specifies the response message for the **GetUserRetentionPolicyTagsResponseMessage** operation.<127>
GetUserPhotoResponseMessage	**m:GetUserPhotoResponseMessageType**	Specifies the response message for the **GetUserPhotoResponseMessage** operation.<128>

2.2.3.11   t:ArrayOfStringsType Complex Type

The **ArrayOfStringsType** complex type specifies a data structure that can contain zero or more strings.

```
<xs:complexType name="ArrayOfStringsType">
  <xs:sequence>
    <xs:element name="String"
      type="xs:string"
      minOccurs="0"
      maxOccurs="unbounded"
    />
  </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
String	xs:string	Specifies a single string of data.

2.2.3.12   t:BaseEmailAddressType Complex Type

The **BaseEmailAddressType** complex type specifies the base type for the **t:EmailAddressType** type (section 2.2.3.27).

```
<xs:complexType name="BaseEmailAddressType" />
```

2.2.3.13   t:BaseItemIdType Complex Type

The **BaseItemIdType** complex type specifies the base type for identifiers that represent items in a mailbox. The **BaseItemIdType** type MUST NOT be sent in a SOAP message because it is an abstract type.

```
<xs:complexType name="BaseItemIdType"
  abstract="true"
 />
```

2.2.3.14   t:BasePathToElementType Complex Type

The **BasePathToElementType** complex type specifies the base type to types that specify additional properties. The **BasePathToElementType** type MUST NOT be sent in a SOAP message because it is an abstract type.

```
<xs:complexType name="BasePathToElementType"
  abstract="true"
 />
```

2.2.3.15   m:BaseRequestType Complex Type

The **BaseRequestType** complex type specifies the base type for requests. The **BaseRequestType** type MUST NOT be sent in a SOAP message because it is an abstract type.

```
<xs:complexType name="BaseRequestType"
  abstract="true"
 />
```

2.2.3.16   m:BaseResponseMessageType Complex Type

The **BaseResponseMessageType** complex type specifies the base response message for responses. The **BaseResponseMessageType** complex type MUST NOT be sent in a SOAP message because it is an abstract type.

```
<xs:complexType name="BaseResponseMessageType">
  <xs:sequence>
    <xs:element name="ResponseMessages"
      type="m:ArrayOfResponseMessagesType"
     />
  </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
ResponseMessages	**m:ArrayOfResponseMessagesType**	Specifies an array of response messages. There MUST be only one **ResponseMessages** element in a response.

2.2.3.17   t:BodyType Complex Type

The **BodyType** complex type specifies the body content and body content format of an item.

```
<xs:complexType name="BodyType">
  <xs:simpleContent>
    <xs:extension
      base="xs:string"
    >
      <xs:attribute name="BodyType"
        type="t:BodyTypeType"
       />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Attributes

Name	Type	Description
BodyType	**t:BodyTypeType**	Specifies the body content and format of an item.

2.2.3.18   t:ChangeHighlightsType

Note   All of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure.

The **ChangeHighlightsType** complex type specifies the changes made to a meeting when a meeting update occurs.<129>

```
<xs:complexType name="ChangeHighlightsType">
  <xs:sequence>
    <xs:element name="HasLocationChanged" type="xs:boolean" minOccurs="0" />
    <xs:element name="Location" type="xs:string" minOccurs="0" />
    <xs:element name="HasStartTimeChanged" type="xs:boolean" minOccurs="0" />
```

```
            <xs:element name="Start" type="xs:dateTime" minOccurs="0" />
            <xs:element name="HasEndTimeChanged" type="xs:boolean" minOccurs="0" />
            <xs:element name="End" type="xs:dateTime" minOccurs="0" />
        </xs:sequence>
    </xs:complexType>
```

The following table lists the child elements of the **ChangeHighlightsType** complex type.

Element name	Type	Description
HasLocationChanged	**xs:boolean**	Specifies whether the meeting location has changed.
Location	**xs:string**	Specifies the meeting location.
HasStartTimeChanged	**xs:boolean**	Specifies whether the meeting start time has changed.
Start	**xs:dateTime**	Specifies the meeting start time.
HasEndTimeChanged	**xs:boolean**	Specifies whether the meeting end time has changed.
End	**xs:dateTime**	Specifies the meeting end time.

2.2.3.19   t:ConnectingSIDType Complex Type

The **ConnectingSIDType** complex type specifies the account to use for impersonation.

```
<xs:complexType name="ConnectingSIDType">
  <xs:choice>
    <xs:element name="PrincipalName"
      type="t:NonEmptyStringType"
     />
    <xs:element name="SID"
      type="t:NonEmptyStringType"
     />
    <xs:element name="PrimarySmtpAddress"
      type="t:NonEmptyStringType"
     />
    <xs:element name="SmtpAddress"
      type="t:NonEmptyStringType"
     />
  </xs:choice>
</xs:complexType>
```

Child Elements

Element	Type	Description
PrincipalName	t:NonEmptyStringType	Specifies the user principal name (UPN) for the account to use for impersonation.
SID	t:NonEmptyStringType	Specifies the security descriptor definition language (SDDL) form of the security identifier (SID) for the account to be used for impersonation.
PrimarySmtpAddress	t:NonEmptyStringType	Specifies the primary **SMTP** address of the account to

Element	Type	Description
		be used for impersonation.
SmtpAddress	t:NonEmptyStringType	Specifies an SMTP address of the account to be used for impersonation.

Only one of the elements specified in the **ConnectingSIDType** complex type MUST exist in an impersonation request.

2.2.3.20   t:ConstantValueType Complex Type

The **ConstantValueType** complex type specifies a constant value for a search restriction.

```
<xs:complexType name="ConstantValueType">
  <xs:attribute name="Value"
    type="xs:string"
    use="required"
  />
</xs:complexType>
```

Attributes

Name	Type	Description
Value	xs:string	Specifies the value to be compared in a restriction.

2.2.3.21   t:DailyRecurrencePatternType Complex Type

The **DailyRecurrencePatternType** complex type specifies the interval, in days, at which a calendar item or a task recurs.

```
<xs:complexType name="DailyRecurrencePatternType">
  <xs:complexContent>
    <xs:extension
      base="t:IntervalRecurrencePatternBaseType"
    />
  </xs:complexContent>
</xs:complexType>
```

2.2.3.22   t:DeletedOccurrenceInfoType Complex Type

The **DeletedOccurrenceInfoType** complex type specifies a deleted occurrence of a recurring calendar item.

```
<xs:complexType name="DeletedOccurrenceInfoType">
  <xs:sequence>
    <xs:element name="Start"
      type="xs:dateTime"
    />
  </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
Start	xs:dateTime	Specifies the start time of a deleted occurrence of a recurring calendar item.

2.2.3.23   t:DistinguishedFolderIdType Complex Type

The **DistinguishedFolderIdType** complex type specifies a distinguished folder identified by name.

```
<xs:complexType name="DistinguishedFolderIdType">
  <xs:complexContent>
    <xs:extension
      base="t:BaseFolderIdType"
    >
      <xs:sequence>
        <xs:element name="Mailbox"
          type="t:EmailAddressType"
          minOccurs="0"
         />
      </xs:sequence>
      <xs:attribute name="Id"
        type="t:DistinguishedFolderIdNameType"
        use="required"
       />
      <xs:attribute name="ChangeKey"
        type="xs:string"
        use="optional"
       />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
Mailbox	t:EmailAddressType	Specifies the primary SMTP address of a principal for a delegate access scenario. This element MUST exist to initiate delegate access.

Attributes

Name	Type	Description
Id	t:DistinguishedFolderIdNameType	Specifies the identifier of a distinguished folder. This attribute MUST exist.
ChangeKey	xs:string	Specifies the change key of a distinguished folder.

2.2.3.24 t:Duration Complex Type

The **Duration** complex type specifies a time interval.

```
<xs:complexType name="Duration">
  <xs:sequence>
    <xs:element name="StartTime"
      type="xs:dateTime"
      maxOccurs="1"
      minOccurs="1"
     />
    <xs:element name="EndTime"
      type="xs:dateTime"
      maxOccurs="1"
      minOccurs="1"
     />
  </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
StartTime	xs:dateTime	Specifies the start of a time period. This element MUST be present.
EndTime	xs:dateTime	Specifies the end of a time period. This element MUST be present.

Restriction: The value of the **EndTime** element MUST be greater than the value of the **StartTime** element. Also, the specified times MUST be in **Coordinated Universal Time (UTC)**.

2.2.3.25 t:EffectiveRightsType Complex Type

The **EffectiveRightsType** complex type specifies client rights based on the permission settings for an item or folder.

```
<xs:complexType name="EffectiveRightsType">
  <xs:sequence>
    <xs:element name="CreateAssociated"
      type="xs:boolean"
     />
    <xs:element name="CreateContents"
      type="xs:boolean"
     />
    <xs:element name="CreateHierarchy"
      type="xs:boolean"
     />
    <xs:element name="Delete"
      type="xs:boolean"
     />
    <xs:element name="Modify"
      type="xs:boolean"
     />
    <xs:element name="Read"
      type="xs:boolean"
     />
```

```
      <xs:element name="ViewPrivateItems"
        type="xs:boolean"
       />
    </xs:sequence>
  </xs:complexType>
```

Child Elements

Element	Type	Description
CreateAssociated	xs:boolean	Specifies whether a client can create an associated contents table. The **xs:boolean** type is specified in [XMLSCHEMA2].
CreateContents	xs:boolean	Specifies whether a client can create a contents table.
CreateHierarchy	xs:boolean	Specifies whether a client can create a hierarchy table.
Delete	xs:boolean	Specifies whether a client can delete a folder or item.
Modify	xs:boolean	Specifies whether a client can modify a folder or item.
Read	xs:boolean	Specifies whether a client can read a folder or item.
ViewPrivateItems	xs:boolean	Specifies whether a client can read private items.<130>

2.2.3.26   t:EmailAddress

The **EmailAddress** complex type specifies the name and address of the user.

```
<xs:complexType name="EmailAddress">
<xs:sequence>
      <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string" />
      <xs:element minOccurs="1" maxOccurs="1" name="Address" type="xs:string" />
      <xs:element minOccurs="0" maxOccurs="1" name="RoutingType" type="xs:string" />
    </xs:sequence>
</xs:complexType>
```

Element	Type	Definition
Name	**xs:string**	Represents the name of the attendee. This element is optional.
Address	**xs:string**	Represents the e-mail address of the attendee. This element MUST be present and MUST be a Simple Mail Transfer Protocol (SMTP) address.
RoutingType	**xs:string**	Represents the routing protocol for the e-mail address. This element is optional.

2.2.3.27   t:EmailAddessType Complex Type

The **EmailAddressType** complex type specifies an e-mail address.

```
<xs:complexType name="EmailAddressType">
```

```
        <xs:complexContent>
          <xs:extension
            base="t:BaseEmailAddressType"
          >
            <xs:sequence>
              <xs:element name="Name"
                type="xs:string"
                minOccurs="0"
              />
              <xs:element name="EmailAddress"
                type="t:NonEmptyStringType"
                minOccurs="0"
              />
              <xs:element name="RoutingType"
                type="t:NonEmptyStringType"
                minOccurs="0"
              />
              <xs:element name="MailboxType"
                type="t:MailboxTypeType"
                minOccurs="0"
              />
              <xs:element name="ItemId"
                type="t:ItemIdType"
                minOccurs="0"
              />
            </xs:sequence>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
```

Child Elements

Element	Type	Description
Name	xs:string	Specifies the name of the mailbox that is associated with the e-mail address that is specified in the **EmailAddress** element.
EmailAddress	t:NonEmptyStringType	Specifies an e-mail address.
RoutingType	t:NonEmptyStringType	Specifies the type of routing for the e-mail address that is specified in the **EmailAddress** element.
MailboxType	t:MailboxTypeType	Specifies the type of mailbox that is represented by the **EmailAddressType** complex type (section 2.2.3.27).
ItemId	t:ItemIdType	Specifies the item identifier for the e-mail address that is represented by the **EmailAddressType** complex type (section 2.2.3.27).

2.2.3.28   t:EndDateRecurrenceRangeType Complex Type

The **EndDateRecurrenceRangeType** complex type specifies the start date and end date of an item recurrence pattern.

```
<xs:complexType name="EndDateRecurrenceRangeType">
  <xs:complexContent>
```

```
     <xs:extension
       base="t:RecurrenceRangeBaseType"
     >
       <xs:sequence>
         <xs:element name="EndDate"
           type="xs:date"
          />
       </xs:sequence>
     </xs:extension>
   </xs:complexContent>
 </xs:complexType>
```

Child Elements

Element	Type	Description
EndDate	xs:date	Specifies the end date of a recurrence pattern.

2.2.3.29   t:ExchangeImpersonationType Complex Type

The **ExchangeImpersonationType** complex type specifies the user to be impersonated.

```
<xs:complexType name="ExchangeImpersonationType">
  <xs:sequence>
    <xs:element name="ConnectingSID"
      type="t:ConnectingSIDType"
     />
  </xs:sequence>
  <xs:anyAttribute
    namespace="http://schemas.xmlsoap.org/soap/envelope/"
   />
</xs:complexType>
```

Child Elements

Element	Type	Description
ConnectingSID	t:ConnectingSIDType	Specifies the account to be impersonated. This element MUST exist for impersonation.

2.2.3.30   t:FieldURIOrConstantType Complex Type

The **FieldURIOrConstantType** complex type specifies either a property or a constant value to be compared with another property.

```
<xs:complexType name="FieldURIOrConstantType">
  <xs:choice>
    <xs:element
      ref="t:Path"
     />
    <xs:element name="Constant"
      type="t:ConstantValueType"
```

```
      />
    </xs:choice>
  </xs:complexType>
```

Child Elements

Element	Type	Description
t:Path	t:Path	Specifies the property to be used in a two-operand search expression. The **t:Path** element (section 2.2.4.8) specifies a **substitutionGroup** attribute, as specified in [XMLSCHEMA0]. An element that is represented by the **substitutionGroup** attribute of the **t:Path** element MUST be present.
Constant	t:ConstantValueType	Specifies a constant to be used in a two-operand search expression.

2.2.3.31   t:FolderIdType Complex Type

The **FolderIdType** complex type specifies a folder identifier.

```
<xs:complexType name="FolderIdType">
  <xs:complexContent>
    <xs:extension
      base="t:BaseFolderIdType"
    >
      <xs:attribute name="Id"
        type="xs:string"
        use="required"
      />
      <xs:attribute name="ChangeKey"
        type="xs:string"
        use="optional"
      />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Attributes

Name	Type	Description
Id	**xs:string**	Specifies a folder identifier.
ChangeKey	**xs:string**	Specifies a change key.

2.2.3.32   t:FolderResponseShapeType Complex Type

The **FolderResponseShapeType** complex type specifies the properties that are returned in a response in a **SyncFolderHierarchy** operation ([MS-OXWSSYNC] section 3.1.4.1), **GetFolder** operation ([MS-OXWSFOLD] section 3.1.4.6), or **FindFolder** operation ([MS-OXWSSRCH] section 3.1.4.1).

```
<xs:complexType name="FolderResponseShapeType">
  <xs:sequence>
    <xs:element name="BaseShape"
      type="t:DefaultShapeNamesType"
     />
    <xs:element name="AdditionalProperties"
      type="t:NonEmptyArrayOfPathsToElementType"
     />
  </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
BaseShape	**t:DefaultShapeNamesType**	Specifies the basic configuration of properties to be returned in a response.
AdditionalProperties	**t:NonEmptyArrayOfPathsToElementType**	Specifies the identity of additional properties to be returned in a response.

2.2.3.33   t:ForwardItemType Complex Type

The **ForwardItemType** complex type specifies a response object for forwarding messages and meeting messages to other recipients.

```
<xs:complexType name="ForwardItemType">
  <xs:complexContent>
    <xs:extension
      base="t:SmartResponseType"
     />
  </xs:complexContent>
</xs:complexType>
```

2.2.3.34   t:HighlightTermType

Note   All of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure.

The **HighlightTermType** complex type specifies the terms that are highlighted when using AQS.<131>

```
<xs:complexType name="HighlightTermType">
  <xs:sequence>
    <xs:element name="Scope" type="xs:string" minOccurs="1" maxOccurs="1" />
    <xs:element name="Value" type="xs:string" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

The following table lists the child element of the **HighlightTermType** complex type.

Element name	Type	Description
Scope	**xs:string**	Specifies the querystring token scope.
Value	**xs:string**	Specifies the querystring token value.

2.2.3.35   t:InternetHeaderType Complex Type

The **InternetHeaderType** complex type specifies the Internet message header for a specified header within the headers collection.

```
<xs:complexType name="InternetHeaderType">
  <xs:simpleContent>
    <xs:extension
      base="xs:string"
    >
      <xs:attribute name="HeaderName"
        type="xs:string"
        use="required"
       />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Attributes

Name	Type	Description
HeaderName	**xs:string**	Specifies the name of the header.

2.2.3.36   t:IntervalRecurrencePatternBaseType Complex Type

The **IntervalRecurrencePatternBaseType** complex type specifies the base type for non-yearly recurrence patterns.

```
<xs:complexType name="IntervalRecurrencePatternBaseType"
  abstract="true"
>
  <xs:complexContent>
    <xs:extension
      base="t:RecurrencePatternBaseType"
    >
      <xs:sequence>
        <xs:element name="Interval"
          type="xs:int"
         />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
Interval	**xs:int**	Specifies the interval between two consecutive recurring items.

2.2.3.37   m:ItemInfoResponseMessageType Complex Type

The **ItemInfoResponseMessageType** complex type specifies the response message for operations that create, update, or delete items.

```
<xs:complexType name="ItemInfoResponseMessageType">
  <xs:complexContent>
    <xs:extension
      base="m:ResponseMessageType"
    >
      <xs:sequence>
        <xs:element name="Items"
          type="t:ArrayOfRealItemsType"
        />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
Items	**t:ArrayOfRealItemsType**	Specifies an array of **real items**.

2.2.3.38   t:ItemResponseShapeType Complex Type

Note   Some of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure. For information about specific differences between versions, see the behavior notes that are provided in the Product Behavior appendix.

The **ItemResponseShapeType** complex type specifies a set of properties to return in a **GetItem** operation ([MS-OXWSCORE] section 3.1.4.4), **FindItem** operation ([MS-OXWSSRCH] section 3.1.4.2), or **SyncFolderItems** operation ([MS-OXWSSYNC] section 3.1.4.2) response.

```
<xs:complexType name="ItemResponseShapeType">
  <xs:sequence>
    <xs:element name="BaseShape"
      type="t:DefaultShapeNamesType"
    />
    <xs:element name="IncludeMimeContent"
      type="xs:boolean"
      minOccurs="0"
    />
    <xs:element name="BodyType"
      type="t:BodyTypeResponseType"
      minOccurs="0"
    />
    <xs:element name="FilterHtmlContent"
      type="xs:boolean"
```

```
            maxOccurs="1"
            minOccurs="0"
          />
        <xs:element name="ConvertHtmlCodePageToUTF8"
          type="xs:boolean"
          minOccurs="0"
          />
        <xs:element name="ConvertInlineImagesToDataUrls" type="xs:boolean" minOccurs="0"
 maxOccurs="1"/>
          <xs:element name="InlineImageUrlTemplate" type="xs:string" minOccurs="0" maxOccurs="1"/>
          <xs:element name="BlockExternalImages" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
          <xs:element name="AddBlankTargetToLinks" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
        <xs:element name="AdditionalProperties"
          type="t:NonEmptyArrayOfPathsToElementType"
          minOccurs="0"
          />
    </xs:sequence>
  </xs:complexType>
```

Child Elements

Element	Type	Description
BaseShape	**t:DefaultShapeNamesType**	Specifies the requested base properties to return in a response. This element MUST be present. The **DefaultShapeNamesType** simple type is specified in section 2.2.2.7.
IncludeMimeContent	**xs:boolean**	Specifies whether the **MIME** content of an item is returned in a response. The **xs:boolean** type is specified in [XMLSCHEMA2].
BodyType	**t:BodyTypeResponseType**	Specifies the requested body text format for the **Body** property that is returned in a response. If this element is not present, the server MUST use the default value of "default". The **BodyTypeResponseType** simple type is specified in section 2.2.2.1.
FilterHtmlContent	**xs:boolean**	Specifies whether HTML content filtering is enabled. If this value is set to **true**, script blocks and Web beacons MUST be removed from message bodies that are

Element	Type	Description
		returned in a response.
ConvertHtmlCodePageToUTF8	**xs:boolean**	Specifies whether the item HTML body is converted to UTF8. The value of this element MUST be set to **true** or the element MUST NOT be specified to indicate to the server to convert the HTML code page to UTF8. <132>
ConvertInlineImagesToDataUrls	**xs:boolean**	Specifies whether inline images are converted to URLs.<133>
InlineImageUrlTemplate	**xs:string**	<134>
BlockExternalImages	**xs:boolean**	Specifies whether external images are blocked.<135>
AddBlankTargetToLinks	**xs:boolean**	Specifies whether the target attribute is set to a value of **blank**.<136>
AdditionalProperties	**t:NonEmptyArrayOfPathsToElementType**	Specifies a set of requested additional properties to return in a response.

2.2.3.39 t:MailboxCultureType Complex Type

The **MailboxCultureType** complex type specifies the culture to be used when opening a mailbox.

```
<xs:complexType name="MailboxCultureType">
  <xs:simpleContent>
    <xs:extension
      base="xs:language"
    >
      <xs:anyAttribute
        namespace="http://schemas.xmlsoap.org/soap/envelope/"
      />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

The text value indicates the language to be used. The possible values for this element are specified in [RFC3066].

2.2.3.40 t:ManagementRoleType Complex Type

Note All of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure.

The **ManagementRoleType** complex type specifies an array of user and application roles.<137>

```
<xs:complexType name="ManagementRoleType">
  <xs:sequence>
    <xs:element name="UserRoles" type="t:NonEmptyArrayOfRoleType" minOccurs="0"
maxOccurs="1"/>
    <xs:element name="ApplicationRoles" type="t:NonEmptyArrayOfRoleType" minOccurs="0"
maxOccurs="1" />
  </xs:sequence>
</xs:complexType>
```

The following table lists and describes the child elements of the **ManagementRoleType** complex type.

Element name	Type	Description
UserRoles	**t:NonEmptyArrayOfRoleType**	Specifies an array of user roles.
ApplicationRoles	**t:NonEmptyArrayOfRoleType**	Specifies an array of application roles.

2.2.3.41 t:NoEndRecurrenceRangeType Complex Type

The **NoEndRecurrenceRangeType** complex type specifies the start date of an item recurrence pattern that does not have a defined end date.

```
<xs:complexType name="NoEndRecurrenceRangeType">
  <xs:complexContent>
    <xs:extension
      base="t:RecurrenceRangeBaseType"
    />
  </xs:complexContent>
</xs:complexType>
```

2.2.3.42 t:NonEmptyArrayOfAllItemsType Complex Type

The **NonEmptyArrayOfAllItemsType** complex type specifies an array of store items and response objects.

```
<xs:complexType name="NonEmptyArrayOfAllItemsType">
  <xs:sequence>
    <xs:choice
      minOccurs="1"
      maxOccurs="unbounded"
    >
      <xs:element name="Item"
        type="t:ItemType"
      />
      <xs:element name="Message"
        type="t:MessageType"
      />
      <xs:element name="CalendarItem"
        type="t:CalendarItemType"
      />
      <xs:element name="Contact"
```

```
          type="t:ContactItemType"
         />
      <xs:element name="DistributionList"
        type="t:DistributionListType"
       />
      <xs:element name="MeetingMessage"
        type="t:MeetingMessageType"
       />
      <xs:element name="MeetingRequest"
        type="t:MeetingRequestMessageType"
       />
      <xs:element name="MeetingResponse"
        type="t:MeetingResponseMessageType"
       />
      <xs:element name="MeetingCancellation"
        type="t:MeetingCancellationMessageType"
       />
      <xs:element name="Task"
        type="t:TaskType"
       />
      <xs:element name="PostItem"
        type="t:PostItemType"
       />
      <xs:element name="ReplyToItem"
        type="t:ReplyToItemType"
       />
      <xs:element name="ForwardItem"
        type="t:ForwardItemType"
       />
      <xs:element name="ReplyAllToItem"
        type="t:ReplyAllToItemType"
       />
      <xs:element name="AcceptItem"
        type="t:AcceptItemType"
       />
      <xs:element name="TentativelyAcceptItem"
        type="t:TentativelyAcceptItemType"
       />
      <xs:element name="DeclineItem"
        type="t:DeclineItemType"
       />
      <xs:element name="CancelCalendarItem"
        type="t:CancelCalendarItemType"
       />
      <xs:element name="RemoveItem"
        type="t:RemoveItemType"
       />
      <xs:element name="SuppressReadReceipt"
        type="t:SuppressReadReceiptType"
       />
      <xs:element name="PostReplyItem"
        type="t:PostReplyItemType"
       />
      <xs:element name="AcceptSharingInvitation"
        type="t:AcceptSharingInvitationType"
       />
    </xs:choice>
   </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
Item	**t:ItemType**	Specifies an item.
Message	**t:MessageType**	Specifies a message item.
CalendarItem	**t:CalendarItemType**	Specifies a calendar item.
Contact	**t:ContactItemType**	Specifies a contact item.
DistributionList	**t:DistributionListType**	Specifies a distribution list item.
MeetingMessage	**t:MeetingMessageType**	Specifies a meeting message item.
MeetingRequest	**t:MeetingRequestMessageType**	Specifies a meeting request message item.
MeetingResponse	**t:MeetingResponseMessageType**	Specifies a meeting response message item.
MeetingCancellation	**t:MeetingCancellationMessageType**	Specifies a meeting cancellation message item.
Task	**t:TaskType**	Specifies a task item.
PostItem	**t:PostItemType**	Specifies a post item.
ReplyToItem	**t:ReplyToItemType**	Specifies a **ReplyToItem** response object.
ForwardItem	**t:ForwardItemType**	Specifies a **ForwardItem** response object.
ReplyAllToItem	**t:ReplyAllToItemType**	Specifies a **ReplyToAllItem** response object.
AcceptItem	**t:AcceptItemType**	Specifies an **AcceptItem** response object.
TentativelyAcceptItem	**t:TentativelyAcceptItemType**	Specifies a **TentativelyAcceptItem** response object.
DeclineItem	**t:DeclineItemType**	Specifies a **DeclineItem** response object.
CancelCalendarItem	**t:CancelCalendarItemType**	Specifies a **CancelCalendarItem** response object.
RemoveItem	**t:RemoveItemType**	Specifies a **RemoveItem** response object.
SuppressReadReceipt	**t:SuppressReadReceiptType**	Specifies a **SuppressReadReceipt** response object.

Element	Type	Description
PostReplyItem	**t:PostReplyItemType**	Specifies a **PostReplyItem** response object.
AcceptSharingInvitation	**t:AcceptSharingInvitationType**	Specifies an **AcceptSharingInvitation** response object.

2.2.3.43   t:NonEmptyArrayOfAttachmentsType Complex Type

The **NonEmptyArrayOfAttachmentsType** complex type specifies an array of items or files that are attached to an item.

```
<xs:complexType name="NonEmptyArrayOfAttachmentsType">
  <xs:choice
    minOccurs="1"
    maxOccurs="unbounded"
  >
    <xs:element name="ItemAttachment"
      type="t:ItemAttachmentType"
    />
    <xs:element name="FileAttachment"
      type="t:FileAttachmentType"
    />
  </xs:choice>
</xs:complexType>
```

Child Elements

Element	Type	Description
ItemAttachment	**t:ItemAttachmentType**	Specifies an item attachment.
FileAttachment	**t:FileAttachmentType**	Specifies a file attachment.

2.2.3.44   t:NonEmptyArrayOfPathsToElementType Complex Type

The **NonEmptyArrayOfPathsToElementType** complex type specifies additional properties to be returned in a response.

```
<xs:complexType name="NonEmptyArrayOfPathsToElementType">
  <xs:choice
    maxOccurs="unbounded"
  >
    <xs:element
      ref="t:Path"
    />
  </xs:choice>
</xs:complexType>
```

Child Elements

Element	Type	Description
t:Path	t:Path	Specifies a property to be returned in a response.

2.2.3.45   t:NonEmptyArrayOfRoleType Complex Type

Note   *All of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure.*

The **NonEmptyArrayOfRoleType** complex type specifies one or more roles used by the caller.<138>

```
<xs:complexType name="NonEmptyArrayOfRoleType">
  <xs:sequence>
    <xs:element name="Role" type="xs:string" maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>
```

The following table lists and describes the child elements of the **NonEmptyArrayOfRoleType** complex type.

Element name	Type	Description
Role	**xs:string**	Specifies a role identifier used by the caller.

2.2.3.46   t:NumberedRecurrenceRangeType Complex Type

The **NumberedRecurrenceRangeType** complex type specifies the start date and number of occurrences of a recurring item.

```
<xs:complexType name="NumberedRecurrenceRangeType">
  <xs:complexContent>
    <xs:extension
      base="t:RecurrenceRangeBaseType"
    >
      <xs:sequence>
        <xs:element name="NumberOfOccurrences"
          type="xs:int"
        />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
NumberOfOccurrences	**xs:int**	Specifies the number of occurrences of a recurring item.

2.2.3.47 t:PathToExceptionFieldType Complex Type

The **t:PathToExceptionFieldType** complex type specifies errors in a response.

```
<xs:complexType name="PathToExceptionFieldType">
  <xs:complexContent>
    <xs:extension
      base="t:BasePathToElementType"
    >
      <xs:attribute name="FieldURI"
        type="t:ExceptionPropertyURIType"
        use="required"
      />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Attributes

Name	Type
FieldURI	t:ExceptionPropertyURIType

2.2.3.48 t:PathToIndexedFieldType Complex Type

The **PathToIndexedFieldType** complex type specifies individual members of a dictionary property.

```
<xs:complexType name="PathToIndexedFieldType">
  <xs:complexContent>
    <xs:extension
      base="t:BasePathToElementType"
    >
      <xs:attribute name="FieldURI"
        type="t:DictionaryURIType"
        use="required"
      />
      <xs:attribute name="FieldIndex"
        type="xs:string"
        use="required"
      />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Attributes

Name	Type	Description
FieldURI	t:DictionaryURIType	Specifies the dictionary property. This attribute MUST be present.
FieldIndex	xs:string	Specifies the entry index in a dictionary. This attribute MUST be present.

2.2.3.49 t:PathToUnindexedFieldType Complex Type

The **PathToUnindexedFieldType** complex type specifies frequently referenced properties.

```
<xs:complexType name="PathToUnindexedFieldType">
  <xs:complexContent>
    <xs:extension
      base="t:BasePathToElementType"
    >
      <xs:attribute name="FieldURI"
        type="t:UnindexedFieldURIType"
        use="required"
      />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Attributes

Name	Type	Description
FieldURI	**t:UnindexedFieldURIType**	Specifies frequently referenced field URIs. This attribute MUST be present.

2.2.3.50 t:RecurrencePatternBaseType Complex Type

The **RecurrencePatternBaseType** complex type specifies the base type for recurrence patterns.

```
<xs:complexType name="RecurrencePatternBaseType"
  abstract="true"
 />
```

2.2.3.51 t:RecurrenceRangeBaseType Complex Type

The **RecurrenceRangeBaseType** complex type specifies the base type for all recurrence patterns that have a start date.

```
<xs:complexType name="RecurrenceRangeBaseType"
  abstract="true"
>
  <xs:sequence>
    <xs:element name="StartDate"
      type="xs:date"
    />
  </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
StartDate	**xs:date**	Specifies the start date of a recurrence range.

2.2.3.52   t:RelativeMonthlyRecurrencePatternType Complex Type

The **RelativeMonthlyRecurrencePatternType** complex type specifies a relative monthly recurrence pattern.

```
<xs:complexType name="RelativeMonthlyRecurrencePatternType">
  <xs:complexContent>
    <xs:extension
      base="t:IntervalRecurrencePatternBaseType"
    >
      <xs:sequence>
        <xs:element name="DaysOfWeek"
          type="t:DayOfWeekType"
         />
        <xs:element name="DayOfWeekIndex"
          type="t:DayOfWeekIndexType"
         />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
DaysOfWeek	**t:DayOfWeekType**	Specifies the days of the week that are used in a relative monthly recurrence pattern.
DayOfWeekIndex	**t:DayOfWeekIndexType**	Specifies the week that is used in a relative monthly recurrence pattern.

2.2.3.53   t:RelativeYearlyRecurrencePatternType Complex Type

The **RelativeYearlyRecurrencePatternType** complex type specifies a relative yearly recurrence pattern.

```
<xs:complexType name="RelativeYearlyRecurrencePatternType">
  <xs:complexContent>
    <xs:extension
      base="t:RecurrencePatternBaseType"
    >
      <xs:sequence>
        <xs:element name="DaysOfWeek"
          type="t:DayOfWeekType"
         />
        <xs:element name="DayOfWeekIndex"
          type="t:DayOfWeekIndexType"
         />
        <xs:element name="Month"
```

```
          type="t:MonthNamesType"
        />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
DaysOfWeek	**t:DayOfWeekType**	Specifies the days of the week that are used in a relative monthly recurrence pattern. This element MUST be present.
DayOfWeekIndex	**t:DayOfWeekIndexType**	Specifies the week that is used in a relative monthly recurrence pattern. This element MUST be present.
Month	**t:MonthNamesType**	Specifies the month when a yearly recurring item occurs. This element MUST be present.

2.2.3.54   t:ReplyAllToItemType Complex Type

The **ReplyAllToItemType** complex type specifies a response object that is used to reply to the sender and all recipients of an item.

```
<xs:complexType name="ReplyAllToItemType">
  <xs:complexContent>
    <xs:extension
      base="t:SmartResponseType"
     />
  </xs:complexContent>
</xs:complexType>
```

2.2.3.55   t:ReplyBody

The **ReplyBody** complex type specifies the body of the **OOF message** that is sent to users.

```
<xs:complexType name="ReplyBody">
<xs:sequence>
<xs:element minOccurs="0" maxOccurs="1" name="Message" type="xs:string" />
</xs:sequence>
<xs:attribute ref="xml:lang" use="optional" />
</xs:complexType>
```

Element	Type	Definition
Message	**xs:string**	An HTML message that forms the body of the OOF message. This element is optional and SHOULD NOT exceed 128000 bytes.

Attribute	Definition
xml:lang	Specifies the language used in the OOF message. This attribute is optional. The possible values of this attribute are defined by [RFC3066].

2.2.3.56   t:ReplyToItemType Complex Type

The **ReplyToItemType** complex type specifies a reply response object that is used to reply to the sender of an item.

```
<xs:complexType name="ReplyToItemType">
  <xs:complexContent>
    <xs:extension
      base="t:SmartResponseType"
    />
  </xs:complexContent>
</xs:complexType>
```

2.2.3.57   m:ResponseMessageType Complex Type

The **ResponseMessageType** complex type specifies information about the response status for a single entity in a request.

```
<xs:complexType name="ResponseMessageType">
  <xs:sequence
    minOccurs="0"
  >
    <xs:element name="MessageText"
      type="xs:string"
      minOccurs="0"
    />
    <xs:element name="ResponseCode"
      type="m:ResponseCodeType"
      minOccurs="0"
    />
    <xs:element name="DescriptiveLinkKey"
      type="xs:int"
      minOccurs="0"
    />
    <xs:element name="MessageXml"
      minOccurs="0"
    >
      <xs:complexType>
        <xs:sequence>
          <xs:any
            process_contents="lax"
            minOccurs="0"
            maxOccurs="unbounded"
          />
        </xs:sequence>
        <xs:attribute name="ResponseClass"
          type="t:ResponseClassType"
          use="required"
        />
      </xs:complexType>
```

```
        </xs:element>
      </xs:sequence>
   </xs:complexType>
```

Child Elements

Element	Type	Description
MessageText	xs:string	Specifies a text description of the status of a response.
ResponseCode	m:ResponseCodeType	Specifies the error code that identifies the specific error that the request encountered, if any.
DescriptiveLinkKey	xs:int	This element is not used.
MessageXml	N/A	Specifies additional error response information.

Attributes

Name	Type	Description
ResponseClass	t:ResponseClassType	Represents the status of the response. The following values are valid for this attribute: ▪ Success ▪ Warning ▪ Error This attribute MUST be present.

2.2.3.58   t:ResponseObjectCoreType Complex Type

The **ResponseObjectCoreType** complex type specifies the base type for response objects.

```
<xs:complexType name="ResponseObjectCoreType"
  abstract="true"
>
  <xs:complexContent>
    <xs:extension
      base="t:MessageType"
    >
      <xs:sequence>
        <xs:element name="ReferenceItemId"
          type="t:ItemIdType"
          minOccurs="0"
        />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
ReferenceItemId	**t:ItemIdType**	Specifies the item identifier that is related to a response object.

2.2.3.59   t:ResponseObjectType Complex Type

The **ResponseObjectType** complex type specifies the base type for response objects.

```
<xs:complexType name="ResponseObjectType"
  abstract="true"
>
  <xs:complexContent>
    <xs:extension
      base="t:ResponseObjectCoreType"
    >
      <xs:attribute name="ObjectName"
        type="xs:string"
        use="optional"
      />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Attributes

Name	Type	Description
ObjectName	**xs:string**	Specifies the name of the reply object class as an English-language string.

2.2.3.60   t:SingleRecipientType Complex Type

The **SingleRecipientType** complex type specifies the e-mail address information for a single message recipient.

```
<xs:complexType name="SingleRecipientType">
  <xs:choice>
    <xs:element name="Mailbox"
      type="t:EmailAddressType"
    />
  </xs:choice>
</xs:complexType>
```

Child Elements

Element	Type	Description
Mailbox	**t:EmailAddressType**	Specifies the e-mail address of a recipient.

2.2.3.61   t:SuppressReadReceiptType Complex Type

The **SuppressReadReceiptType** complex type specifies the suppress read receipt response object.

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```
<xs:complexType name="SuppressReadReceiptType">
  <xs:complexContent>
    <xs:extension
      base="t:ReferenceItemResponseType"
     />
  </xs:complexContent>
</xs:complexType>
```

2.2.3.62 t:UserIdType Complex Type

The **UserIdType** complex type specifies a user identifier.

```
<xs:complexType name="UserIdType">
  <xs:sequence>
    <xs:element name="SID"
      type="xs:string"
      minOccurs="0"
      maxOccurs="1"
     />
    <xs:element name="PrimarySmtpAddress"
      type="xs:string"
      minOccurs="0"
      maxOccurs="1"
     />
    <xs:element name="DisplayName"
      type="xs:string"
      minOccurs="0"
      maxOccurs="1"
     />
    <xs:element name="DistinguishedUser"
      type="t:DistinguishedUserType"
      minOccurs="0"
      maxOccurs="1"
     />
    <xs:element name="ExternalUserIdentity"
      type="xs:string"
      minOccurs="0"
      maxOccurs="1"
     />
  </xs:sequence>
</xs:complexType>
```

Child Elements

Element	Type	Description
SID	xs:string	Specifies the security descriptor definition language (SSDL) form of the security identifier (SID) for a user.
PrimarySmtpAddress	xs:string	Specifies the primary SMTP address of an account.
DisplayName	xs:string	Specifies the user name for display.

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Common Web Service Data Types

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Release: Sunday, January 22, 2012

Element	Type	Description
DistinguishedUser	**t:DistinguishedUserType**	Specifies a value that identifies the Anonymous and Default user accounts for delegate access.
ExternalUserIdentity	**xs:string**	Specifies an external user identity.

2.2.3.63   t:Value Complex Type

The **Value** complex type specifies the name and value of a property that is returned in an error response.

```
<xs:complexType name="Value">
  <xs:simpleContent>
    <xs:extension
      base="xs:string"
    >
      <xs:attribute name="Name"
        type="xs:string"
        use="required"
      />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Attributes

Name	Type	Description
Name	**xs:string**	Specifies a property name.

2.2.3.64   t:WeeklyRecurrencePatternType Complex Type

The **WeeklyRecurrencePatternType** complex type specifies the interval, in weeks, at which an item recurs, and the days on which the item recurs.

```
<xs:complexType name="WeeklyRecurrencePatternType">
  <xs:complexContent>
    <xs:extension
      base="t:IntervalRecurrencePatternBaseType"
    >
      <xs:sequence>
        <xs:element name="DaysOfWeek"
          type="t:DaysOfWeekType"
        />
        <xs:element name="FirstDayOfWeek"
          type="t:DayOfWeekType"
          minOccurs="0"
        />
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
DaysOfWeek	**t:DaysOfWeekType**	Specifies the days of the week that are in the weekly recurrence pattern.
FirstDayOfWeek	**t:DayOfWeekType**	Specifies the first day of the week.<139>

2.2.3.65   t:WellKnownResponseObjectType Complex Type

The **WellKnownResponseObjectType** complex type specifies the base type for calendar item related response objects.

```
<xs:complexType name="WellKnownResponseObjectType">
  <xs:complexContent>
    <xs:restriction
      base="t:ResponseObjectType"
    >
      <xs:sequence>
        <xs:element name="ItemClass"
          type="t:ItemClassType"
          minOccurs="0"
         />
        <xs:element name="Sensitivity"
          type="t:SensitivityChoicesType"
          minOccurs="0"
         />
        <xs:element name="Body"
          type="t:BodyType"
          minOccurs="0"
         />
        <xs:element name="Attachments"
          type="t:NonEmptyArrayOfAttachmentsType"
          minOccurs="0"
         />
        <xs:element name="InternetMessageHeaders"
          type="t:NonEmptyArrayOfInternetHeadersType"
          minOccurs="0"
         />
        <xs:element name="Sender"
          type="t:SingleRecipientType"
          minOccurs="0"
         />
        <xs:element name="ToRecipients"
          type="t:ArrayOfRecipientsType"
          minOccurs="0"
         />
        <xs:element name="CcRecipients"
          type="t:ArrayOfRecipientsType"
          minOccurs="0"
         />
        <xs:element name="BccRecipients"
          type="t:ArrayOfRecipientsType"
```

```
         minOccurs="0"
        />
        <xs:element name="IsReadReceiptRequested"
         type="xs:boolean"
         minOccurs="0"
        />
        <xs:element name="IsDeliveryReceiptRequested"
         type="xs:boolean"
         minOccurs="0"
        />
        <xs:element name="From"
         type="t:SingleRecipientType"
         minOccurs="0"
        />
        <xs:element name="ReferenceItemId"
         type="t:ItemIdType"
         minOccurs="0"
        />
      </xs:sequence>
      <xs:attribute name="ObjectName"
        type="xs:string"
        use="prohibited"
      />
    </xs:restriction>
  </xs:complexContent>
</xs:complexType>
```

Child Elements

Element	Type	Description
ItemClass	**t:ItemClassType**	Specifies the item class.
Sensitivity	**t:SensitivityChoicesType**	Specifies the item sensitivity level.
Body	**t:BodyType**	Specifies the body content.
Attachments	**t:NonEmptyArrayOfAttachmentsType**	Specifies the attachments on a response object.
InternetMessageHeaders	**t:NonEmptyArrayOfInternetHeadersType**	Specifies an array of type **InternetHeaderType** that represents the collection of all Internet message headers that are contained in an item.
Sender	**t:SingleRecipientType**	Specifies the sender of a message.
ToRecipients	**t:ArrayOfRecipientsType**	Specifies a collection of

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Element	Type	Description
		recipients of an item.
CcRecipients	t:ArrayOfRecipientsType	Specifies a collection of carbon copy (Cc) recipients of an item.
BccRecipients	t:ArrayOfRecipientsType	Specifies a collection of blind carbon copy (Bcc) recipients of an item.
IsReadReceiptRequested	xs:boolean	Specifies whether a read receipt is requested.
IsDeliveryReceiptRequested	xs:boolean	Specifies whether a delivery receipt is requested.
From	t:SingleRecipientType	Specifies the addressee who sent a message.
ReferenceItemId	t:ItemIdType	Specifies the item identifier that is related to a response object.

Attributes

Name	Type	Description
ObjectName	xs:string	Specifies the name of the reply object class as an English-language string.

2.2.4 Elements

2.2.4.1 t:DateTimePrecision Element

The **DateTimePrecision** element specifies precision of **DateTime** values that are returned in responses.<140> This element is optional.

```
<xs:element name="DateTimePrecision" type="t:DateTimePrecisionType" />
```

2.2.4.2 t:ExceptionFieldURI Element

The **ExceptionFieldURI** element specifies particular errors in a request.

```
<xs:element name="t:ExceptionFieldURI"
  type="t:PathToExceptionFieldType"
 />
```

2.2.4.3 t:ExchangeImpersonation Element

The **ExchangeImpersonation** element is used in the **SOAP header** of a request. When the **ExchangeImpersonation** element is present, the caller is trying to impersonate the account that is

specified by the **ConnectingSID** element in the **t:ExchangeImpersonationType** complex type as specified in section 2.2.3.29.

```
<xs:element name="t:ExchangeImpersonation"
  type="t:ExchangeImpersonationType"
 />
```

2.2.4.4   t:FieldURI Element

The **FieldURI** element specifies frequently referenced properties by URI.

```
<xs:element name="t:FieldURI"
  type="t:PathToUnindexedFieldType"
 />
```

The full syntax for this element is <xs:element name="FieldURI" type="t:PathToUnindexedFieldType" substitutionGroup="t:Path"/>

2.2.4.5   t:IndexedFieldURI Element

The **IndexedFieldURI** element specifies individual members of a dictionary.

```
<xs:element name="t:IndexedFieldURI"
  type="t:PathToIndexedFieldType"
 />
```

The syntax for this element is <xs:element name="IndexedFieldURI" type="t:PathToIndexedFieldType" substitutionGroup="t:Path" />.

2.2.4.6   t:MailboxCulture Element

The **MailboxCulture** element specifies the culture to be used when opening a mailbox. The **MailboxCulture** element occurs in the SOAP header.

```
<xs:element name="t:MailboxCulture"
  type="t:MailboxCultureType"
 />
```

2.2.4.7   t:ManagementRole Element

Note   All of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure.

The **ManagementRole** element specifies a SOAP header that contains roles used by the calling account.<141>

```
<xs:element name="ManagementRole" type="t:ManagementRoleType" />
```

2.2.4.8 t:Path Element

The **Path** element specifies the base schema type for all property identifiers. This type is abstract and will never occur directly within instance documents. This type defines a substitution group.

```
<xs:element name="t:Path"
  type="t:BasePathToElementType"
  abstract="true"
 />
```

2.2.4.9 t:RequestServerVersion Element

Note Some of the information in this section is subject to change because it applies to a preliminary implementation of the protocol or structure. For information about specific differences between versions, see the behavior notes that are provided in the Product Behavior appendix.

The **RequestServerVersion** element specifies the versioning information that identifies the schema version to be targeted for a request.<142>

```
<xs:element name="t:RequestServerVersion">
  <xs:complexType>
    <xs:attribute name="Version"
      type="t:ExchangeVersionType"
      use="required"
      fixed="Exchange2012"
     />
    <xs:anyAttribute
      namespace="http://schemas.xmlsoap.org/soap/envelope/"
     />
  </xs:complexType>
</xs:element>
```

The following table lists the attributes of the **RequestServerVersion** element.

Attribute name	Type	Description
Version	**t:ExchangeVersionType**	Specifies the target schema version.

2.2.4.10 t:ServerVersionInfo Element

The **ServerVersionInfo** element specifies the version number of the server.

```
<xs:element name="t:ServerVersionInfo">
  <xs:complexType>
    <xs:attribute name="MajorVersion"
      type="xs:int"
      use="optional"
     />
    <xs:attribute name="MinorVersion"
      type="xs:int"
      use="optional"
      />
```

```
                  <xs:attribute name="MajorBuildNumber"
                    type="xs:int"
                    use="optional"
                   />
                  <xs:attribute name="MinorBuildNumber"
                    type="xs:int"
                    use="optional"
                   />
                  <xs:attribute name="Version"
                    type="xs:string"
                    use="optional"
                   />
              </xs:complexType>
            </xs:element>
```

Attributes

Name	Type
MajorVersion	**xs:int**
MinorVersion	**xs:int**
MajorBuildNumber	**xs:int**
MinorBuildNumber	**xs:int**
Version	**xs:string**

2.2.4.11 Value Element

The **Value** element specifies the value of an extended property.

```
<xs:element name="Value"
  type="t:Value"
 />
```

2.2.5 Attributes

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

2.2.6 Groups

2.2.6.1 t:RecurrencePatternTypes Group

The **RecurrencePatternTypes** group specifies the recurrence pattern for calendar items and meeting requests.

```
<xs:group name="t:RecurrencePatternTypes">
  <xs:sequence>
    <xs:choice>
      <xs:element name="t:RelativeYearlyRecurrence"
```

```
        type="t:RelativeYearlyRecurrencePatternType"
       />
      <xs:element name="AbsoluteYearlyRecurrence"
        type="t:AbsoluteYearlyRecurrencePatternType"
       />
      <xs:element name="RelativeMonthlyRecurrence"
        type="t:RelativeMonthlyRecurrencePatternType"
       />
      <xs:element name="AbsoluteMonthlyRecurrence"
        type="t:AbsoluteMonthlyRecurrencePatternType"
       />
      <xs:element name="WeeklyRecurrence"
        type="t:WeeklyRecurrencePatternType"
       />
      <xs:element name="DailyRecurrence"
        type="t:DailyRecurrencePatternType"
       />
    </xs:choice>
  </xs:sequence>
</xs:group>
```

Child Elements

Element	Type	Description
t:RelativeYearlyRecurrence	**t:RelativeYearlyRecurrencePatternType**	Specifies a relative yearly recurrence pattern.
AbsoluteYearlyRecurrence	**t:AbsoluteYearlyRecurrencePatternType**	Specifies a yearly recurrence pattern.
RelativeMonthlyRecurrence	**t:RelativeMonthlyRecurrencePatternType**	Specifies a relative monthly recurrence pattern for a recurring calendar item.
AbsoluteMonthlyRecurrence	**t:AbsoluteMonthlyRecurrencePatternType**	Specifies a monthly recurrence pattern.
WeeklyRecurrence	**t:WeeklyRecurrencePatternType**	Specifies the interval, in weeks, at which a calendar item recurs, and the days of the week on which it occurs.
DailyRecurrence	**t:DailyRecurrencePatternType**	Specifies the interval, in days, at which a calendar item recurs.

2.2.6.2   t:RecurrenceRangeTypes Group

The **RecurrenceRangeTypes** group specifies recurrence patterns with numbered recurrences, non-ending recurrence patterns, and recurrence patterns with a set start and end date.

```
<xs:group name="t:RecurrenceRangeTypes">
  <xs:sequence>
    <xs:choice>
      <xs:element name="NoEndRecurrence"
        type="t:NoEndRecurrenceRangeType"
        />
      <xs:element name="EndDateRecurrence"
        type="t:EndDateRecurrenceRangeType"
        />
      <xs:element name="NumberedRecurrence"
        type="t:NumberedRecurrenceRangeType"
        />
    </xs:choice>
  </xs:sequence>
</xs:group>
```

Child Elements

Element	Type	Description
NoEndRecurrence	**t:NoEndRecurrenceRangeType**	Specifies a recurrence pattern that does not have a defined end date.
EndDateRecurrence	**t:EndDateRecurrenceRangeType**	Specifies the start date and the end date of an item recurrence pattern.
NumberedRecurrence	**t:NumberedRecurrenceRangeType**	Specifies the start date and the number of occurrences of a recurring item.

2.2.6.3   t:TimeChangePatternTypes Group

The **TimeChangePatternTypes** group specifies the date when the time changes from standard time or daylight saving time.

```
<xs:group name="t:TimeChangePatternTypes">
  <xs:sequence>
    <xs:choice>
      <xs:element name="RelativeYearlyRecurrence"
        type="t:RelativeYearlyRecurrencePatternType"
        />
      <xs:element name="AbsoluteDate"
        type="xs:date"
        />
    </xs:choice>
  </xs:sequence>
</xs:group>
```

Child Elements

Element	Type	Description
RelativeYearlyRecurrence	**t:RelativeYearlyRecurrencePatternType**	Specifies a relative yearly

Element	Type	Description
		recurrence pattern for a time zone transition date.
AbsoluteDate	**xs:date**	Specifies the date when the time changes from standard time or daylight saving time.

2.2.7 Attribute Groups

2.2.7.1 t:FindResponsePagingAttributes Attribute Group

The **FindResponsePagingAttributes** attribute group specifies paging and count information for a result set.

```
<xs:attributeGroup name="t:FindResponsePagingAttributes">
  <xs:attribute name="IndexedPagingOffset"
    type="xs:int"
    use="optional"
   />
  <xs:attribute name="NumeratorOffset"
    type="xs:int"
    use="optional"
   />
  <xs:attribute name="AbsoluteDenominator"
    type="xs:int"
    use="optional"
   />
  <xs:attribute name="IncludesLastItemInRange"
    type="xs:int"
    use="optional"
   />
  <xs:attribute name="TotalItemsInView"
    type="xs:int"
    use="optional"
   />
</xs:attributeGroup>
```

Attributes

Name	Type	Description
IndexedPagingOffset	**xs:int**	Specifies the next index that SHOULD be used for the next request when using an indexed paging view.
NumeratorOffset	**xs:int**	**Specifies the new numerator value to use for the next request when using fraction page views.**
AbsoluteDenominator	**xs:int**	**Specifies the next denominator to use for the next request when doing fractional paging.**
IncludesLastItemInRange	**xs:int**	**Specifies whether the current results contain the last item in the query, such that no further paging is required.**

Name	Type	Description
TotalItemsInView	**xs:int**	**Specifies the total number of results.**

2.2.8 Messages

This specification does not define any common WSDL message definitions.

3 Protocol Details

This document specifies common XML schema types and elements and does not have any protocol details.

3.1 Server Details

This document specifies common XML schema types and elements and does not have any server protocol details.

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

None.

3.1.5 Timer Events

None.

3.1.6 Other Local Events

None.

3.2 Client Details

This document specifies common XML schema types and elements and does not have any client protocol details.

3.2.1 Abstract Data Model

None.

3.2.2 Timers

None.

3.2.3 Initialization

None.

3.2.4 Message Processing Events and Sequencing Rules

None.

3.2.5 Timer Events

None.

3.2.6 Other Local Events

None.

4   Protocol Examples

None.

5   Security

5.1   Security Considerations for Implementers

The Common Web Service Data Types do not involve any additional security mechanisms.

5.2   Index of Security Parameters

None.

6   Appendix A: Full WSDL

The XML files that are listed in the following table are required in order to implement the functionality described in this document.

File name	Description	Section
MS-OXWSCDATA-messages.xsd	Contains the XML schema message definitions.	7.1
MS-OXWSCDATA-types.xsd	Contains the XML schema type definitions.	7.2

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

This protocol specification does not define a WSDL file.

7 Appendix B: Full XML Schema

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

Schema name	Prefix	Section
Messages schema	m:	7.1
Types schema	t:	7.2

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

7.1 Messages Schema

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

MS-OXWSCDATA-messages.xsd includes or imports the files listed in the following table. To operate correctly, these files have to be present in the folder that contains the types and messages schema files.

File name	Defining specification/section
MS-OXWSCDATA-types.xsd	section 7.2
MS-OXWSCORE-messages.xsd	[MS-OXWSCORE] section 7.1
MS-OXWSFOLD-messages.xsd	[MS-OXWSFOLD] section 7.1
MS-OXWSSRCH-messages.xsd	[MS-OXWSSRCH] section 7.1
MS-OXWSATT-messages.xsd	[MS-OXWSATT] section 7.1
MS-OXWSRSLNM-messages.xsd	[MS-OXWSRSLNM] section 7.1
MS-OXWSDLIST-messages.xsd	[MS-OXWSDLIST] section 6.3
MS-OXWSGTZ-messages.xsd	[MS-OXWSGTZ] section 7.1
MS-OXWSNTIF-messages.xsd	[MS-OXWSNTIF] section 7.1
MS-OXWSPSNTIF-messages.xsd	[MS-OXWSPSNTIF] section 7.1
MS-OXWSSYNC-messages.xsd	[MS-OXWSSYNC] section 7.1
MS-OXWSCVTID-messages.xsd	[MS-OXWSCVTID] section 7.1
MS-OXWSMSHR-messages.xsd	[MS-OXWSMSHR] section 7.1
MS-OXWSGTRM-messages.xsd	[MS-OXWSGTRM] section 7.1
MS-OXWSBTRF-messages.xsd	[MS-OXWSBTRF] section 7.1
MS-OXWSPED-messages.xsd	[MS-OXWSPED] section 7

```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"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://schemas.microsoft.com/exchange/services/2006/messages"
elementFormDefault="qualified" version="Exchange2010_SP2" id="messages">
    <xs:import namespace="http://schemas.microsoft.com/exchange/services/2006/types"
schemaLocation="MS-OXWSCDATA-types.xsd"/>
    <xs:include schemaLocation="MS-OXWSCORE-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSFOLD-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSSRCH-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSATT-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSRSLNM-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSDLIST-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSGTZ-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSNTIF-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSPSNTIF-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSSYNC-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSCVTID-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSMSHR-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSGTRM-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSBTRF-messages.xsd"/>
    <xs:include schemaLocation="MS-OXWSPED-messages.xsd"/>
    <xs:complexType name="ArrayOfResponseMessagesType">
        <xs:choice maxOccurs="unbounded">
            <xs:element name="CreateItemResponseMessage"
type="m:ItemInfoResponseMessageType"/>
            <xs:element name="DeleteItemResponseMessage" type="m:ResponseMessageType"/>
            <xs:element name="GetItemResponseMessage"
type="m:ItemInfoResponseMessageType"/>
            <xs:element name="UpdateItemResponseMessage"
type="m:UpdateItemResponseMessageType"/>
            <xs:element name="SendItemResponseMessage" type="m:ResponseMessageType"/>
            <xs:element name="DeleteFolderResponseMessage" type="m:ResponseMessageType"/>
            <xs:element name="EmptyFolderResponseMessage" type="m:ResponseMessageType"/>
            <xs:element name="CreateFolderResponseMessage"
type="m:FolderInfoResponseMessageType"/>
            <xs:element name="GetFolderResponseMessage"
type="m:FolderInfoResponseMessageType"/>
            <xs:element name="FindFolderResponseMessage"
type="m:FindFolderResponseMessageType"/>
            <xs:element name="UpdateFolderResponseMessage"
type="m:FolderInfoResponseMessageType"/>
            <xs:element name="MoveFolderResponseMessage"
type="m:FolderInfoResponseMessageType"/>
            <xs:element name="CopyFolderResponseMessage"
type="m:FolderInfoResponseMessageType"/>
            <xs:element name="CreateAttachmentResponseMessage"
type="m:AttachmentInfoResponseMessageType"/>
            <xs:element name="DeleteAttachmentResponseMessage"
type="m:DeleteAttachmentResponseMessageType"/>
            <xs:element name="GetAttachmentResponseMessage"
type="m:AttachmentInfoResponseMessageType"/>
            <xs:element name="UploadItemsResponseMessage"
type="m:UploadItemsResponseMessageType"/>
            <xs:element name="ExportItemsResponseMessage"
type="m:ExportItemsResponseMessageType"/>
            <xs:element name="FindItemResponseMessage"
type="m:FindItemResponseMessageType"/>
            <xs:element name="MoveItemResponseMessage"
type="m:ItemInfoResponseMessageType"/>
```

```
                <xs:element name="CopyItemResponseMessage"
type="m:ItemInfoResponseMessageType"/>
                <xs:element name="ResolveNamesResponseMessage"
type="m:ResolveNamesResponseMessageType"/>
                <xs:element name="ExpandDLResponseMessage"
type="m:ExpandDLResponseMessageType"/>
                <xs:element name="GetServerTimeZonesResponseMessage"
type="m:GetServerTimeZonesResponseMessageType"/>
                <xs:element name="GetEventsResponseMessage"
type="m:GetEventsResponseMessageType"/>
                <xs:element name="GetStreamingEventsResponseMessage"
type="m:GetStreamingEventsResponseMessageType"/>
                <xs:element name="SubscribeResponseMessage"
type="m:SubscribeResponseMessageType"/>
                <xs:element name="UnsubscribeResponseMessage" type="m:ResponseMessageType"/>
                <xs:element name="SendNotificationResponseMessage"
type="m:SendNotificationResponseMessageType"/>
                <xs:element name="SyncFolderHierarchyResponseMessage"
type="m:SyncFolderHierarchyResponseMessageType"/>
                <xs:element name="SyncFolderItemsResponseMessage"
type="m:SyncFolderItemsResponseMessageType"/>
                <xs:element name="CreateManagedFolderResponseMessage"
type="m:FolderInfoResponseMessageType"/>
                <xs:element name="ConvertIdResponseMessage"
type="m:ConvertIdResponseMessageType"/>
                <xs:element name="GetSharingMetadataResponseMessage"
type="m:GetSharingMetadataResponseMessageType"/>
                <xs:element name="RefreshSharingFolderResponseMessage"
type="m:RefreshSharingFolderResponseMessageType"/>
                <xs:element name="GetSharingFolderResponseMessage"
type="m:GetSharingFolderResponseMessageType"/>
                <xs:element name="CreateUserConfigurationResponseMessage"
type="m:ResponseMessageType"/>
                <xs:element name="DeleteUserConfigurationResponseMessage"
type="m:ResponseMessageType"/>
                <xs:element name="UpdateUserConfigurationResponseMessage"
type="m:ResponseMessageType"/>
                <xs:element name="GetRoomListsResponse"
type="m:GetRoomListsResponseMessageType"/>
                <xs:element name="GetRoomsResponse" type="m:GetRoomsResponseMessageType"/>
                <xs:element name="ApplyConversationActionResponseMessage"
type="m:ResponseMessageType"/>
                <xs:element name="GetPasswordExpirationDateResponse"
type="m:GetPasswordExpirationDateResponseMessageType"/>
        </xs:choice>
    </xs:complexType>
    <xs:complexType name="BaseRequestType" abstract="true"/>
    <xs:complexType name="BaseResponseMessageType">
        <xs:sequence>
            <xs:element name="ResponseMessages" type="m:ArrayOfResponseMessagesType"/>
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ItemInfoResponseMessageType">
        <xs:complexContent>
            <xs:extension base="m:ResponseMessageType">
                <xs:sequence>
                    <xs:element name="Items" type="t:ArrayOfRealItemsType"/>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
```

```xml
<xs:complexType name="ResponseMessageType">
        <xs:sequence minOccurs="0">
                <xs:element name="MessageText" type="xs:string" minOccurs="0"/>
                <xs:element name="ResponseCode" type="m:ResponseCodeType" minOccurs="0"/>
                <xs:element name="DescriptiveLinkKey" type="xs:int" minOccurs="0"/>
                <xs:element name="MessageXml" minOccurs="0">
                        <xs:complexType>
                                <xs:sequence>
                                        <xs:any processContents="lax" minOccurs="0"
 maxOccurs="unbounded"/>
                                </xs:sequence>
                        </xs:complexType>
                </xs:element>
        </xs:sequence>
        <xs:attribute name="ResponseClass" type="t:ResponseClassType" use="required"/>
</xs:complexType>
<xs:simpleType name="ResponseCodeType">
        <xs:restriction base="xs:string">
                <xs:enumeration value="NoError"/>
                <xs:enumeration value="ErrorAccessDenied"/>
                <xs:enumeration value="ErrorAccessModeSpecified"/>
                <xs:enumeration value="ErrorAccountDisabled"/>
                <xs:enumeration value="ErrorAddDelegatesFailed"/>
                <xs:enumeration value="ErrorAddressSpaceNotFound"/>
                <xs:enumeration value="ErrorADOperation"/>
                <xs:enumeration value="ErrorADSessionFilter"/>
                <xs:enumeration value="ErrorADUnavailable"/>
                <xs:enumeration value="ErrorAutoDiscoverFailed"/>
                <xs:enumeration value="ErrorAffectedTaskOccurrencesRequired"/>
                <xs:enumeration value="ErrorAttachmentNestLevelLimitExceeded" />
                <xs:enumeration value="ErrorAttachmentSizeLimitExceeded"/>
                <xs:enumeration value="ErrorAvailabilityConfigNotFound"/>
                <xs:enumeration value="ErrorBatchProcessingStopped"/>
                <xs:enumeration value="ErrorCalendarCannotMoveOrCopyOccurrence"/>
                <xs:enumeration value="ErrorCalendarCannotUpdateDeletedItem"/>
                <xs:enumeration value="ErrorCalendarCannotUseIdForOccurrenceId"/>
                <xs:enumeration value="ErrorCalendarCannotUseIdForRecurringMasterId"/>
                <xs:enumeration value="ErrorCalendarDurationIsTooLong"/>
                <xs:enumeration value="ErrorCalendarEndDateIsEarlierThanStartDate"/>
                <xs:enumeration value="ErrorCalendarFolderIsInvalidForCalendarView"/>
                <xs:enumeration value="ErrorCalendarInvalidAttributeValue"/>
                <xs:enumeration value="ErrorCalendarInvalidDayForTimeChangePattern"/>
                <xs:enumeration value="ErrorCalendarInvalidDayForWeeklyRecurrence"/>
                <xs:enumeration value="ErrorCalendarInvalidPropertyState"/>
                <xs:enumeration value="ErrorCalendarInvalidPropertyValue"/>
                <xs:enumeration value="ErrorCalendarInvalidRecurrence"/>
                <xs:enumeration value="ErrorCalendarInvalidTimeZone"/>
                <xs:enumeration value="ErrorCalendarIsCancelledForAccept"/>
                <xs:enumeration value="ErrorCalendarIsCancelledForDecline"/>
                <xs:enumeration value="ErrorCalendarIsCancelledForRemove"/>
                <xs:enumeration value="ErrorCalendarIsCancelledForTentative"/>
                <xs:enumeration value="ErrorCalendarIsDelegatedForAccept"/>
                <xs:enumeration value="ErrorCalendarIsDelegatedForDecline"/>
                <xs:enumeration value="ErrorCalendarIsDelegatedForRemove"/>
                <xs:enumeration value="ErrorCalendarIsDelegatedForTentative"/>
                <xs:enumeration value="ErrorCalendarIsNotOrganizer"/>
                <xs:enumeration value="ErrorCalendarIsOrganizerForAccept"/>
                <xs:enumeration value="ErrorCalendarIsOrganizerForDecline"/>
                <xs:enumeration value="ErrorCalendarIsOrganizerForRemove"/>
```

```
                                <xs:enumeration value="ErrorCalendarIsOrganizerForTentative"/>
                                <xs:enumeration value="ErrorCalendarOccurrenceIndexIsOutOfRecurrenceRange"/>
                                <xs:enumeration value="ErrorCalendarOccurrenceIsDeletedFromRecurrence"/>
                                <xs:enumeration value="ErrorCalendarOutOfRange"/>
                                <xs:enumeration value="ErrorCalendarMeetingRequestIsOutOfDate"/>
                                <xs:enumeration value="ErrorCalendarViewRangeTooBig"/>
                                <xs:enumeration value="ErrorCallerIsInvalidADAccount"/>
                                <xs:enumeration value="ErrorCannotCreateCalendarItemInNonCalendarFolder"/>
                                <xs:enumeration value="ErrorCannotCreateContactInNonContactFolder"/>
                                <xs:enumeration value="ErrorCannotCreatePostItemInNonMailFolder"/>
                                <xs:enumeration value="ErrorCannotCreateTaskInNonTaskFolder"/>
                                <xs:enumeration value="ErrorCannotDeleteObject"/>
                                <xs:enumeration value="ErrorCannotOpenFileAttachment"/>
                                <xs:enumeration value="ErrorCannotDeleteTaskOccurrence"/>
                                <xs:enumeration value="ErrorCannotEmptyFolder"/>
                                <xs:enumeration value="ErrorCannotSetCalendarPermissionOnNonCalendarFolder"/>
                                <xs:enumeration value="ErrorCannotSetNonCalendarPermissionOnCalendarFolder"/>
                                <xs:enumeration value="ErrorCannotSetPermissionUnknownEntries"/>
                                <xs:enumeration value="ErrorCannotUseFolderIdForItemId"/>
                                <xs:enumeration value="ErrorCannotUseItemIdForFolderId"/>
                                <xs:enumeration value="ErrorChangeKeyRequired"/>
                                <xs:enumeration value="ErrorChangeKeyRequiredForWriteOperations"/>
                                <xs:enumeration value="ErrorClientDisconnected"/>
                                <xs:enumeration value="ErrorConnectionFailed"/>
                                <xs:enumeration value="ErrorContainsFilterWrongType"/>
                                <xs:enumeration value="ErrorContentConversionFailed"/>
                                <xs:enumeration value="ErrorCorruptData"/>
                                <xs:enumeration value="ErrorCreateItemAccessDenied"/>
                                <xs:enumeration value="ErrorCreateManagedFolderPartialCompletion"/>
                                <xs:enumeration value="ErrorCreateSubfolderAccessDenied"/>
                                <xs:enumeration value="ErrorCrossMailboxMoveCopy"/>
                                <xs:enumeration value="ErrorCrossSiteRequest"/>
                                <xs:enumeration value="ErrorDataSizeLimitExceeded"/>
                                <xs:enumeration value="ErrorDataSourceOperation"/>
                                <xs:enumeration value="ErrorDelegateAlreadyExists"/>
                                <xs:enumeration value="ErrorDelegateCannotAddOwner"/>
                                <xs:enumeration value="ErrorDelegateMissingConfiguration"/>
                                <xs:enumeration value="ErrorDelegateNoUser"/>
                                <xs:enumeration value="ErrorDelegateValidationFailed"/>
                                <xs:enumeration value="ErrorDeleteDistinguishedFolder"/>
                                <xs:enumeration value="ErrorDeleteItemsFailed"/>
                                <xs:enumeration value="ErrorDistinguishedUserNotSupported"/>
                                <xs:enumeration value="ErrorDistributionListMemberNotExist"/>
                                <xs:enumeration value="ErrorDuplicateInputFolderNames"/>
                                <xs:enumeration value="ErrorDuplicateUserIdsSpecified"/>
                                <xs:enumeration value="ErrorEmailAddressMismatch"/>
                                <xs:enumeration value="ErrorEventNotFound"/>
                                <xs:enumeration value="ErrorExceededConnectionCount"/>
                                <xs:enumeration value="ErrorExceededSubscriptionCount"/>
                                <xs:enumeration value="ErrorExceededFindCountLimit"/>
                                <xs:enumeration value="ErrorExpiredSubscription"/>
                                <xs:enumeration value="ErrorFolderCorrupt"/>
                                <xs:enumeration value="ErrorFolderNotFound"/>
                                <xs:enumeration value="ErrorFolderPropertRequestFailed"/>
                                <xs:enumeration value="ErrorFolderSave"/>
                                <xs:enumeration value="ErrorFolderSaveFailed"/>
                                <xs:enumeration value="ErrorFolderSavePropertyError"/>
                                <xs:enumeration value="ErrorFolderExists"/>
                                <xs:enumeration value="ErrorFreeBusyGenerationFailed"/>
```

```
<xs:enumeration value="ErrorGetServerSecurityDescriptorFailed"/>
<xs:enumeration value="ErrorImpersonateUserDenied"/>
<xs:enumeration value="ErrorImpersonationDenied"/>
<xs:enumeration value="ErrorImpersonationFailed"/>
<xs:enumeration value="ErrorIncorrectSchemaVersion"/>
<xs:enumeration value="ErrorIncorrectUpdatePropertyCount"/>
<xs:enumeration value="ErrorIndividualMailboxLimitReached"/>
<xs:enumeration value="ErrorInsufficientResources"/>
<xs:enumeration value="ErrorInternalServerError"/>
<xs:enumeration value="ErrorInternalServerTransientError"/>
<xs:enumeration value="ErrorInvalidAccessLevel"/>
<xs:enumeration value="ErrorInvalidArgument"/>
<xs:enumeration value="ErrorInvalidAttachmentId"/>
<xs:enumeration value="ErrorInvalidAttachmentSubfilter"/>
<xs:enumeration value="ErrorInvalidAttachmentSubfilterTextFilter"/>
<xs:enumeration value="ErrorInvalidAuthorizationContext"/>
<xs:enumeration value="ErrorInvalidChangeKey"/>
<xs:enumeration value="ErrorInvalidClientSecurityContext"/>
<xs:enumeration value="ErrorInvalidCompleteDate"/>
<xs:enumeration value="ErrorInvalidContactEmailAddress"/>
<xs:enumeration value="ErrorInvalidContactEmailIndex"/>
<xs:enumeration value="ErrorInvalidCrossForestCredentials"/>
<xs:enumeration value="ErrorInvalidDelegatePermission"/>
<xs:enumeration value="ErrorInvalidDelegateUserId"/>
<xs:enumeration value="ErrorInvalidExcludesRestriction"/>
<xs:enumeration value="ErrorInvalidExpressionTypeForSubFilter"/>
<xs:enumeration value="ErrorInvalidExtendedProperty"/>
<xs:enumeration value="ErrorInvalidExtendedPropertyValue"/>
<xs:enumeration value="ErrorInvalidFolderId"/>
<xs:enumeration value="ErrorInvalidFolderTypeForOperation"/>
<xs:enumeration value="ErrorInvalidFractionalPagingParameters"/>
<xs:enumeration value="ErrorInvalidFreeBusyViewType"/>
<xs:enumeration value="ErrorInvalidId"/>
<xs:enumeration value="ErrorInvalidIdEmpty"/>
<xs:enumeration value="ErrorInvalidIdMalformed"/>
<xs:enumeration value="ErrorInvalidIdMalformedEwsLegacyIdFormat"/>
<xs:enumeration value="ErrorInvalidIdMonikerTooLong"/>
<xs:enumeration value="ErrorInvalidIdNotAnItemAttachmentId"/>
<xs:enumeration value="ErrorInvalidIdReturnedByResolveNames"/>
<xs:enumeration value="ErrorInvalidIdStoreObjectIdTooLong"/>
<xs:enumeration value="ErrorInvalidIdTooManyAttachmentLevels"/>
<xs:enumeration value="ErrorInvalidIdXml"/>
<xs:enumeration value="ErrorInvalidIndexedPagingParameters"/>
<xs:enumeration value="ErrorInvalidInternetHeaderChildNodes"/>
<xs:enumeration value="ErrorInvalidItemForOperationCreateItemAttachment"/>
<xs:enumeration value="ErrorInvalidItemForOperationCreateItem"/>
<xs:enumeration value="ErrorInvalidItemForOperationAcceptItem"/>
<xs:enumeration value="ErrorInvalidItemForOperationDeclineItem"/>
<xs:enumeration value="ErrorInvalidItemForOperationCancelItem"/>
<xs:enumeration value="ErrorInvalidItemForOperationExpandDL"/>
<xs:enumeration value="ErrorInvalidItemForOperationRemoveItem"/>
<xs:enumeration value="ErrorInvalidItemForOperationSendItem"/>
<xs:enumeration value="ErrorInvalidItemForOperationTentative"/>
<xs:enumeration value="ErrorInvalidLogonType"/>
<xs:enumeration value="ErrorInvalidMailbox"/>
<xs:enumeration value="ErrorInvalidManagedFolderProperty"/>
<xs:enumeration value="ErrorInvalidManagedFolderQuota"/>
<xs:enumeration value="ErrorInvalidManagedFolderSize"/>
<xs:enumeration value="ErrorInvalidMergedFreeBusyInterval"/>
```

```
<xs:enumeration value="ErrorInvalidNameForNameResolution"/>
<xs:enumeration value="ErrorInvalidOperation"/>
<xs:enumeration value="ErrorInvalidNetworkServiceContext"/>
<xs:enumeration value="ErrorInvalidOofParameter"/>
<xs:enumeration value="ErrorInvalidPagingMaxRows"/>
<xs:enumeration value="ErrorInvalidParentFolder"/>
<xs:enumeration value="ErrorInvalidPercentCompleteValue"/>
<xs:enumeration value="ErrorInvalidPermissionSettings"/>
<xs:enumeration value="ErrorInvalidPhoneCallId"/>
<xs:enumeration value="ErrorInvalidPhoneNumber"/>
<xs:enumeration value="ErrorInvalidUserInfo"/>
<xs:enumeration value="ErrorInvalidPropertyAppend"/>
<xs:enumeration value="ErrorInvalidPropertyDelete"/>
<xs:enumeration value="ErrorInvalidPropertyForExists"/>
<xs:enumeration value="ErrorInvalidPropertyForOperation"/>
<xs:enumeration value="ErrorInvalidPropertyRequest"/>
<xs:enumeration value="ErrorInvalidPropertySet"/>
<xs:enumeration value="ErrorInvalidPropertyUpdateSentMessage"/>
<xs:enumeration value="ErrorInvalidProxySecurityContext"/>
<xs:enumeration value="ErrorInvalidPullSubscriptionId"/>
<xs:enumeration value="ErrorInvalidPushSubscriptionUrl"/>
<xs:enumeration value="ErrorInvalidRecipients"/>
<xs:enumeration value="ErrorInvalidRecipientSubfilter"/>
<xs:enumeration value="ErrorInvalidRecipientSubfilterComparison"/>
<xs:enumeration value="ErrorInvalidRecipientSubfilterOrder"/>
<xs:enumeration value="ErrorInvalidRecipientSubfilterTextFilter"/>
<xs:enumeration value="ErrorInvalidReferenceItem"/>
<xs:enumeration value="ErrorInvalidRequest"/>
<xs:enumeration value="ErrorInvalidRestriction"/>
<xs:enumeration value="ErrorInvalidRoutingType"/>
<xs:enumeration value="ErrorInvalidScheduledOofDuration"/>
<xs:enumeration value="ErrorInvalidSchemaVersionForMailboxVersion"/>
<xs:enumeration value="ErrorInvalidSecurityDescriptor"/>
<xs:enumeration value="ErrorInvalidSendItemSaveSettings"/>
<xs:enumeration value="ErrorInvalidSerializedAccessToken"/>
<xs:enumeration value="ErrorInvalidServerVersion"/>
<xs:enumeration value="ErrorInvalidSid"/>
<xs:enumeration value="ErrorInvalidSIPUri"/>
<xs:enumeration value="ErrorInvalidSmtpAddress"/>
<xs:enumeration value="ErrorInvalidSubfilterType"/>
<xs:enumeration value="ErrorInvalidSubfilterTypeNotAttendeeType"/>
<xs:enumeration value="ErrorInvalidSubfilterTypeNotRecipientType"/>
<xs:enumeration value="ErrorInvalidSubscription"/>
<xs:enumeration value="ErrorInvalidSubscriptionRequest"/>
<xs:enumeration value="ErrorInvalidSyncStateData"/>
<xs:enumeration value="ErrorInvalidTimeInterval"/>
<xs:enumeration value="ErrorInvalidUserOofSettings"/>
<xs:enumeration value="ErrorInvalidUserPrincipalName"/>
<xs:enumeration value="ErrorInvalidUserSid"/>
<xs:enumeration value="ErrorInvalidUserSidMissingUPN"/>
<xs:enumeration value="ErrorInvalidValueForProperty"/>
<xs:enumeration value="ErrorInvalidWatermark"/>
<xs:enumeration value="ErrorIPGatewayNotFound"/>
<xs:enumeration value="ErrorIrresolvableConflict"/>
<xs:enumeration value="ErrorItemCorrupt"/>
<xs:enumeration value="ErrorItemNotFound"/>
<xs:enumeration value="ErrorItemPropertyRequestFailed"/>
<xs:enumeration value="ErrorItemSave"/>
<xs:enumeration value="ErrorItemSavePropertyError"/>
```

```
<xs:enumeration value="ErrorLegacyMailboxFreeBusyViewTypeNotMerged"/>
<xs:enumeration value="ErrorLocalServerObjectNotFound"/>
<xs:enumeration value="ErrorLogonAsNetworkServiceFailed"/>
<xs:enumeration value="ErrorMailboxConfiguration"/>
<xs:enumeration value="ErrorMailboxDataArrayEmpty"/>
<xs:enumeration value="ErrorMailboxDataArrayTooBig"/>
<xs:enumeration value="ErrorMailboxLogonFailed"/>
<xs:enumeration value="ErrorMailboxMoveInProgress"/>
<xs:enumeration value="ErrorMailboxStoreUnavailable"/>
<xs:enumeration value="ErrorMailRecipientNotFound"/>
<xs:enumeration value="ErrorMailTipsDisabled"/>
<xs:enumeration value="ErrorManagedFolderAlreadyExists"/>
<xs:enumeration value="ErrorManagedFolderNotFound"/>
<xs:enumeration value="ErrorManagedFoldersRootFailure"/>
<xs:enumeration value="ErrorMeetingSuggestionGenerationFailed"/>
<xs:enumeration value="ErrorMessageDispositionRequired"/>
<xs:enumeration value="ErrorMessageSizeExceeded"/>
<xs:enumeration value="ErrorMimeContentConversionFailed"/>
<xs:enumeration value="ErrorMimeContentInvalid"/>
<xs:enumeration value="ErrorMimeContentInvalidBase64String"/>
<xs:enumeration value="ErrorMissingArgument"/>
<xs:enumeration value="ErrorMissingEmailAddress"/>
<xs:enumeration value="ErrorMissingEmailAddressForManagedFolder"/>
<xs:enumeration value="ErrorMissingInformationEmailAddress"/>
<xs:enumeration value="ErrorMissingInformationReferenceItemId"/>
<xs:enumeration value="ErrorMissingItemForCreateItemAttachment"/>
<xs:enumeration value="ErrorMissingManagedFolderId"/>
<xs:enumeration value="ErrorMissingRecipients"/>
<xs:enumeration value="ErrorMissingUserIdInformation"/>
<xs:enumeration value="ErrorMoreThanOneAccessModeSpecified"/>
<xs:enumeration value="ErrorMoveCopyFailed"/>
<xs:enumeration value="ErrorMoveDistinguishedFolder"/>
<xs:enumeration value="ErrorNameResolutionMultipleResults"/>
<xs:enumeration value="ErrorNameResolutionNoMailbox"/>
<xs:enumeration value="ErrorNameResolutionNoResults"/>
<xs:enumeration value="ErrorNoApplicableProxyCASServersAvailable"/>
<xs:enumeration value="ErrorNoCalendar"/>
<xs:enumeration value="ErrorNoDestinationCASDueToKerberosRequirements"/>
<xs:enumeration value="ErrorNoDestinationCASDueToSSLRequirements"/>
<xs:enumeration value="ErrorNoDestinationCASDueToVersionMismatch"/>
<xs:enumeration value="ErrorNoFolderClassOverride"/>
<xs:enumeration value="ErrorNoFreeBusyAccess"/>
<xs:enumeration value="ErrorNonExistentMailbox"/>
<xs:enumeration value="ErrorNonPrimarySmtpAddress"/>
<xs:enumeration value="ErrorNoPropertyTagForCustomProperties"/>
<xs:enumeration value="ErrorNoPublicFolderReplicaAvailable"/>
<xs:enumeration value="ErrorNoPublicFolderServerAvailable"/>
<xs:enumeration value="ErrorNoRespondingCASInDestinationSite"/>
<xs:enumeration value="ErrorNotDelegate"/>
<xs:enumeration value="ErrorNotEnoughMemory"/>
<xs:enumeration value="ErrorObjectTypeChanged"/>
<xs:enumeration value="ErrorOccurrenceCrossingBoundary"/>
<xs:enumeration value="ErrorOccurrenceTimeSpanTooBig"/>
<xs:enumeration value="ErrorOperationNotAllowedWithPublicFolderRoot"/>
<xs:enumeration value="ErrorParentFolderIdRequired"/>
<xs:enumeration value="ErrorParentFolderNotFound"/>
<xs:enumeration value="ErrorPasswordChangeRequired"/>
<xs:enumeration value="ErrorPasswordExpired"/>
<xs:enumeration value="ErrorPhoneNumberNotDialable"/>
```

```
<xs:enumeration value="ErrorPropertyUpdate"/>
<xs:enumeration value="ErrorPropertyValidationFailure"/>
<xs:enumeration value="ErrorProxiedSubscriptionCallFailure"/>
<xs:enumeration value="ErrorProxyCallFailed"/>
<xs:enumeration value="ErrorProxyGroupSidLimitExceeded"/>
<xs:enumeration value="ErrorProxyRequestNotAllowed"/>
<xs:enumeration value="ErrorProxyRequestProcessingFailed"/>
<xs:enumeration value="ErrorProxyServiceDiscoveryFailed"/>
<xs:enumeration value="ErrorProxyTokenExpired"/>
<xs:enumeration value="ErrorPublicFolderRequestProcessingFailed"/>
<xs:enumeration value="ErrorPublicFolderServerNotFound"/>
<xs:enumeration value="ErrorQueryFilterTooLong"/>
<xs:enumeration value="ErrorQuotaExceeded"/>
<xs:enumeration value="ErrorReadEventsFailed"/>
<xs:enumeration value="ErrorReadReceiptNotPending"/>
<xs:enumeration value="ErrorRecurrenceEndDateTooBig"/>
<xs:enumeration value="ErrorRecurrenceHasNoOccurrence"/>
<xs:enumeration value="ErrorRemoveDelegatesFailed"/>
<xs:enumeration value="ErrorRequestAborted"/>
<xs:enumeration value="ErrorRequestStreamTooBig"/>
<xs:enumeration value="ErrorRequiredPropertyMissing"/>
<xs:enumeration value="ErrorResolveNamesInvalidFolderType"/>
<xs:enumeration value="ErrorResolveNamesOnlyOneContactsFolderAllowed"/>
<xs:enumeration value="ErrorResponseSchemaValidation"/>
<xs:enumeration value="ErrorRestrictionTooLong"/>
<xs:enumeration value="ErrorRestrictionTooComplex"/>
<xs:enumeration value="ErrorResultSetTooBig"/>
<xs:enumeration value="ErrorInvalidExchangeImpersonationHeaderData"/>
<xs:enumeration value="ErrorSavedItemFolderNotFound"/>
<xs:enumeration value="ErrorSchemaValidation"/>
<xs:enumeration value="ErrorSearchFolderNotInitialized"/>
<xs:enumeration value="ErrorSendAsDenied"/>
<xs:enumeration value="ErrorSendMeetingCancellationsRequired"/>
<xs:enumeration value="ErrorSendMeetingInvitationsOrCancellationsRequired"/>
<xs:enumeration value="ErrorSendMeetingInvitationsRequired"/>
<xs:enumeration value="ErrorSentMeetingRequestUpdate"/>
<xs:enumeration value="ErrorSentTaskRequestUpdate"/>
<xs:enumeration value="ErrorServerBusy"/>
<xs:enumeration value="ErrorServiceDiscoveryFailed"/>
<xs:enumeration value="ErrorStaleObject"/>
<xs:enumeration value="ErrorSubmissionQuotaExceeded"/>
<xs:enumeration value="ErrorSubscriptionAccessDenied"/>
<xs:enumeration value="ErrorSubscriptionDelegateAccessNotSupported"/>
<xs:enumeration value="ErrorSubscriptionNotFound"/>
<xs:enumeration value="ErrorSubscriptionUnsubscribed"/>
<xs:enumeration value="ErrorSyncFolderNotFound"/>
<xs:enumeration value="ErrorTimeIntervalTooBig"/>
<xs:enumeration value="ErrorTimeoutExpired"/>
<xs:enumeration value="ErrorTimeZone"/>
<xs:enumeration value="ErrorToFolderNotFound"/>
<xs:enumeration value="ErrorTokenSerializationDenied"/>
<xs:enumeration value="ErrorUpdatePropertyMismatch"/>
<xs:enumeration value="ErrorUnifiedMessagingDialPlanNotFound"/>
<xs:enumeration value="ErrorUnifiedMessagingRequestFailed"/>
<xs:enumeration value="ErrorUnifiedMessagingServerNotFound"/>
<xs:enumeration value="ErrorUnableToGetUserOofSettings"/>
<xs:enumeration value="ErrorUnsupportedSubFilter"/>
<xs:enumeration value="ErrorUnsupportedCulture"/>
<xs:enumeration value="ErrorUnsupportedMapiPropertyType"/>
```

```
                    <xs:enumeration value="ErrorUnsupportedMimeConversion"/>
                    <xs:enumeration value="ErrorUnsupportedPathForQuery"/>
                    <xs:enumeration value="ErrorUnsupportedPathForSortGroup"/>
                    <xs:enumeration value="ErrorUnsupportedPropertyDefinition"/>
                    <xs:enumeration value="ErrorUnsupportedQueryFilter"/>
                    <xs:enumeration value="ErrorUnsupportedRecurrence"/>
                    <xs:enumeration value="ErrorUnsupportedTypeForConversion"/>
                    <xs:enumeration value="ErrorUpdateDelegatesFailed"/>
                    <xs:enumeration value="ErrorUserNotUnifiedMessagingEnabled"/>
                    <xs:enumeration value="ErrorVoiceMailNotImplemented"/>
                    <xs:enumeration value="ErrorValueOutOfRange"/>
                    <xs:enumeration value="ErrorVirusDetected"/>
                    <xs:enumeration value="ErrorVirusMessageDeleted"/>
                    <xs:enumeration value="ErrorWebRequestInInvalidState"/>
                    <xs:enumeration value="ErrorWin32InteropError"/>
                    <xs:enumeration value="ErrorWorkingHoursSaveFailed"/>
                    <xs:enumeration value="ErrorWorkingHoursXmlMalformed"/>
                    <xs:enumeration value="ErrorWrongServerVersion"/>
                    <xs:enumeration value="ErrorWrongServerVersionDelegate"/>
                    <xs:enumeration value="ErrorMissingInformationSharingFolderId"/>
                    <xs:enumeration value="ErrorDuplicateSOAPHeader"/>
                    <xs:enumeration value="ErrorSharingSynchronizationFailed"/>
                    <xs:enumeration value="ErrorSharingNoExternalEwsAvailable"/>
                    <xs:enumeration value="ErrorFreeBusyDLLimitReached"/>
                    <xs:enumeration value="ErrorInvalidGetSharingFolderRequest"/>
                    <xs:enumeration value="ErrorNotAllowedExternalSharingByPolicy"/>
                    <xs:enumeration value="ErrorUserNotAllowedByPolicy"/>
                    <xs:enumeration value="ErrorPermissionNotAllowedByPolicy"/>
                    <xs:enumeration value="ErrorOrganizationNotFederated"/>
                    <xs:enumeration value="ErrorMailboxFailover"/>
                    <xs:enumeration value="ErrorInvalidExternalSharingInitiator"/>
                    <xs:enumeration value="ErrorMessageTrackingPermanentError"/>
                    <xs:enumeration value="ErrorMessageTrackingTransientError"/>
                    <xs:enumeration value="ErrorMessageTrackingNoSuchDomain"/>
                    <xs:enumeration value="ErrorUserWithoutFederatedProxyAddress"/>
                    <xs:enumeration value="ErrorInvalidOrganizationRelationshipForFreeBusy"/>
                    <xs:enumeration value="ErrorInvalidFederatedOrganizationId"/>
                    <xs:enumeration value="ErrorInvalidExternalSharingSubscriber"/>
                    <xs:enumeration value="ErrorInvalidSharingData"/>
                    <xs:enumeration value="ErrorInvalidSharingMessage"/>
                    <xs:enumeration value="ErrorNotSupportedSharingMessage"/>
                    <xs:enumeration value="ErrorApplyConversationActionFailed"/>
                    <xs:enumeration value="ErrorInboxRulesValidationError"/>
                    <xs:enumeration value="ErrorOutlookRuleBlobExists"/>
                    <xs:enumeration value="ErrorRulesOverQuota"/>
                    <xs:enumeration value="ErrorNewEventStreamConnectionOpened"/>
                    <xs:enumeration value="ErrorMissedNotificationEvents"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:schema>
```

7.2 Types Schema

This section provides the contents of the MS-OXWSCDATA-types.xsd file and information about additional files that this schema file requires to operate correctly.

MS-OXWSCDATA-types.xsd includes or imports the files listed in the following table. To operate correctly, these files have to be present in the folder that contains the types and messages schema files.

File name	Defining specification
MS-OXWSMSG-types.xsd	[MS-OXWSMSG] section 7.1
MS-OXWSFOLD-types.xsd	[MS-OXWSFOLD] section 7.2
MS-OXWSATT-types.xsd	[MS-OXWSATT] section 7.2.
MS-OXWSDLIST-types.xsd	[MS-OXWSDLIST] section 6.2.
MS-OXWSTASK-types.xsd	[MS-OXWSTASK] section 7.2.

```xml
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:t="http://schemas.microsoft.com/exchange/services/2006/types"
                xmlns:xs="http://www.w3.org/2001/XMLSchema"

targetNamespace="http://schemas.microsoft.com/exchange/services/2006/types"
                elementFormDefault="qualified"
                version="Exchange2010_SP2"
                id="types">
  <xs:import namespace="http://www.w3.org/XML/1998/namespace"/>
  <xs:include schemaLocation="MS-OXWSMSG-types.xsd"/>
  <xs:include schemaLocation="MS-OXWSFOLD-types.xsd"/>
  <xs:include schemaLocation="MS-OXWSATT-types.xsd"/>
  <xs:include schemaLocation="MS-OXWSDLIST-types.xsd"/>
  <xs:include schemaLocation="MS-OXWSTASK-types.xsd"/>
  <xs:complexType name="AbsoluteMonthlyRecurrencePatternType">
    <xs:complexContent>
      <xs:extension base="t:IntervalRecurrencePatternBaseType">
        <xs:sequence>
          <xs:element name="DayOfMonth" type="xs:int"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="AbsoluteYearlyRecurrencePatternType">
    <xs:complexContent>
      <xs:extension base="t:RecurrencePatternBaseType">
        <xs:sequence>
          <xs:element name="DayOfMonth" type="xs:int"/>
          <xs:element name="Month" type="t:MonthNamesType"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="AcceptSharingInvitationType">
    <xs:complexContent>
      <xs:extension base="t:ReferenceItemResponseType"/>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="ArrayOfCalendarPermissionsType">
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element name="CalendarPermission" type="t:CalendarPermissionType"/>
    </xs:choice>
  </xs:complexType>
```

```xml
<xs:complexType name="ArrayOfEmailAddressesType">
  <xs:sequence>
    <xs:element name="Address" type="t:EmailAddressType" minOccurs="0"
 maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfPermissionsType">
  <xs:choice minOccurs="0" maxOccurs="unbounded">
    <xs:element name="Permission" type="t:PermissionType"/>
  </xs:choice>
</xs:complexType>
<xs:complexType name="ArrayOfRealItemsType">
  <xs:sequence>
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element name="Item" type="t:ItemType"/>
      <xs:element name="Message" type="t:MessageType"/>
      <xs:element name="CalendarItem" type="t:CalendarItemType"/>
      <xs:element name="Contact" type="t:ContactItemType"/>
      <xs:element name="DistributionList" type="t:DistributionListType"/>
      <xs:element name="MeetingMessage" type="t:MeetingMessageType"/>
      <xs:element name="MeetingRequest" type="t:MeetingRequestMessageType"/>
      <xs:element name="MeetingResponse" type="t:MeetingResponseMessageType"/>
      <xs:element name="MeetingCancellation" type="t:MeetingCancellationMessageType"/>
      <xs:element name="Task" type="t:TaskType"/>
      <xs:element name="PostItem" type="t:PostItemType"/>
    </xs:choice>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfRecipientsType">
  <xs:choice minOccurs="0" maxOccurs="unbounded">
    <xs:element name="Mailbox" type="t:EmailAddressType"/>
  </xs:choice>
</xs:complexType>
<xs:complexType name="ArrayOfStringsType">
  <xs:sequence>
    <xs:element name="String" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="BaseEmailAddressType"/>
<xs:complexType name="BaseItemIdType" abstract="true"/>
<xs:complexType name="BasePathToElementType" abstract="true"/>
<xs:complexType name="BodyType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="BodyType" type="t:BodyTypeType" use="required"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
<xs:simpleType name="BodyTypeResponseType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Best"/>
    <xs:enumeration value="HTML"/>
    <xs:enumeration value="Text"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="BodyTypeType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="HTML"/>
    <xs:enumeration value="Text"/>
```

```
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="ConnectingSIDType">
        <xs:choice>
          <xs:element name="PrincipalName" type="t:NonEmptyStringType"/>
          <xs:element name="SID" type="t:NonEmptyStringType"/>
          <xs:element name="PrimarySmtpAddress" type="t:NonEmptyStringType"/>
          <xs:element name="SmtpAddress" type="t:NonEmptyStringType"/>
        </xs:choice>
      </xs:complexType>
      <xs:complexType name="ConstantValueType">
        <xs:attribute name="Value" type="xs:string" use="required"/>
      </xs:complexType>
      <xs:complexType name="DailyRecurrencePatternType">
        <xs:complexContent>
          <xs:extension base="t:IntervalRecurrencePatternBaseType"/>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="DateTimePrecision" type="t:DateTimePrecisionType"/>
      <xs:simpleType name="DateTimePrecisionType >
        <xs:restriction base="xs:string">
          <xs:enumeration value="Seconds" />
          <xs:enumeration value="Milliseconds" />
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="DayOfWeekIndexType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="First"/>
          <xs:enumeration value="Second"/>
          <xs:enumeration value="Third"/>
          <xs:enumeration value="Fourth"/>
          <xs:enumeration value="Last"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="DayOfWeekType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="Sunday"/>
          <xs:enumeration value="Monday"/>
          <xs:enumeration value="Tuesday"/>
          <xs:enumeration value="Wednesday"/>
          <xs:enumeration value="Thursday"/>
          <xs:enumeration value="Friday"/>
          <xs:enumeration value="Saturday"/>
          <xs:enumeration value="Day"/>
          <xs:enumeration value="Weekday"/>
          <xs:enumeration value="WeekendDay"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="DaysOfWeekType">
        <xs:list itemType="t:DayOfWeekType"/>
      </xs:simpleType>
      <xs:simpleType name="DefaultShapeNamesType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="IdOnly"/>
          <xs:enumeration value="Default"/>
          <xs:enumeration value="AllProperties"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="DeletedOccurrenceInfoType">
```

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```xml
        <xs:sequence>
          <xs:element name="Start" type="xs:dateTime"/>
        </xs:sequence>
      </xs:complexType>
      <xs:simpleType name="DictionaryURIType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="item:InternetMessageHeader"/>
          <xs:enumeration value="contacts:ImAddress"/>
          <xs:enumeration value="contacts:PhysicalAddress:Street"/>
          <xs:enumeration value="contacts:PhysicalAddress:City"/>
          <xs:enumeration value="contacts:PhysicalAddress:State"/>
          <xs:enumeration value="contacts:PhysicalAddress:CountryOrRegion"/>
          <xs:enumeration value="contacts:PhysicalAddress:PostalCode"/>
          <xs:enumeration value="contacts:PhoneNumber"/>
          <xs:enumeration value="contacts:EmailAddress"/>
          <xs:enumeration value="distributionlist:Members:Member"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="DisposalType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="HardDelete"/>
          <xs:enumeration value="SoftDelete"/>
          <xs:enumeration value="MoveToDeletedItems"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="DistinguishedFolderIdNameType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="calendar"/>
          <xs:enumeration value="contacts"/>
          <xs:enumeration value="deleteditems"/>
          <xs:enumeration value="drafts"/>
          <xs:enumeration value="inbox"/>
          <xs:enumeration value="journal"/>
          <xs:enumeration value="notes"/>
          <xs:enumeration value="outbox"/>
          <xs:enumeration value="sentitems"/>
          <xs:enumeration value="tasks"/>
          <xs:enumeration value="msgfolderroot"/>
          <xs:enumeration value="publicfoldersroot"/>
          <xs:enumeration value="root"/>
          <xs:enumeration value="junkemail"/>
          <xs:enumeration value="searchfolders"/>
          <xs:enumeration value="voicemail"/>
          <xs:enumeration value="recoverableitemsroot" />
          <xs:enumeration value="recoverableitemsdeletions" />
          <xs:enumeration value="recoverableitemsversions" />
          <xs:enumeration value="recoverableitemspurges" />
          <xs:enumeration value="archiveroot" />
          <xs:enumeration value="archivemsgfolderroot" />
          <xs:enumeration value="archivedeleteditems" />
          <xs:enumeration value="archiverecoverableitemsroot" />
          <xs:enumeration value="archiverecoverableitemsdeletions" />
          <xs:enumeration value="archiverecoverableitemsversions" />
          <xs:enumeration value="archiverecoverableitemspurges" />
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="DistinguishedFolderIdType">
        <xs:complexContent>
          <xs:extension base="t:BaseFolderIdType">
```

```xml
      <xs:sequence>
        <xs:element name="Mailbox" type="t:EmailAddressType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="Id" type="t:DistinguishedFolderIdNameType" use="required"/>
      <xs:attribute name="ChangeKey" type="xs:string" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:simpleType name="DistinguishedPropertySetType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Meeting"/>
    <xs:enumeration value="Appointment"/>
    <xs:enumeration value="Common"/>
    <xs:enumeration value="PublicStrings"/>
    <xs:enumeration value="Address"/>
    <xs:enumeration value="InternetHeaders"/>
    <xs:enumeration value="CalendarAssistant"/>
    <xs:enumeration value="UnifiedMessaging"/>
    <xs:enumeration value="Task"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DistinguishedUserType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Default"/>
    <xs:enumeration value="Anonymous"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="Duration">
  <xs:sequence>
    <xs:element minOccurs="1" maxOccurs="1" name="StartTime" type="xs:dateTime"/>
    <xs:element minOccurs="1" maxOccurs="1" name="EndTime" type="xs:dateTime"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="EffectiveRightsType">
  <xs:sequence>
    <xs:element name="CreateAssociated" type="xs:boolean"/>
    <xs:element name="CreateContents" type="xs:boolean"/>
    <xs:element name="CreateHierarchy" type="xs:boolean"/>
    <xs:element name="Delete" type="xs:boolean"/>
    <xs:element name="Modify" type="xs:boolean"/>
    <xs:element name="Read" type="xs:boolean"/>
    <xs:element name="ViewPrivateItems" type="xs:boolean" minOccurs="0" maxOccurs="1" />
  </xs:sequence>
</xs:complexType>
<xs:complexType name="EmailAddress">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="1" name="Name" type="xs:string"/>
    <xs:element minOccurs="1" maxOccurs="1" name="Address" type="xs:string"/>
    <xs:element minOccurs="0" maxOccurs="1" name="RoutingType" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="EmailAddressType">
  <xs:complexContent>
    <xs:extension base="t:BaseEmailAddressType">
      <xs:sequence>
        <xs:element name="Name" type="xs:string" minOccurs="0"/>
        <xs:element name="EmailAddress" type="t:NonEmptyStringType" minOccurs="0"/>
        <xs:element name="RoutingType" type="t:NonEmptyStringType" minOccurs="0"/>
        <xs:element name="MailboxType" type="t:MailboxTypeType" minOccurs="0"/>
```

```xml
          <xs:element name="ItemId" type="t:ItemIdType" minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="EndDateRecurrenceRangeType">
    <xs:complexContent>
      <xs:extension base="t:RecurrenceRangeBaseType">
        <xs:sequence>
          <xs:element name="EndDate" type="xs:date"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:element name="ExceptionFieldURI" type="t:PathToExceptionFieldType"/>
  <xs:simpleType name="ExceptionPropertyURIType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="attachment:Name"/>
      <xs:enumeration value="attachment:ContentType"/>
      <xs:enumeration value="attachment:Content"/>
      <xs:enumeration value="recurrence:Month"/>
      <xs:enumeration value="recurrence:DayOfWeekIndex"/>
      <xs:enumeration value="recurrence:DaysOfWeek"/>
      <xs:enumeration value="recurrence:DayOfMonth"/>
      <xs:enumeration value="recurrence:Interval"/>
      <xs:enumeration value="recurrence:NumberOfOccurrences"/>
      <xs:enumeration value="timezone:Offset"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="ExchangeImpersonationType">
    <xs:sequence>
      <xs:element name="ConnectingSID" type="t:ConnectingSIDType"/>
    </xs:sequence>
    <xs:anyAttribute namespace="http://schemas.xmlsoap.org/soap/envelope/"/>
  </xs:complexType>
  <xs:element name="ExchangeImpersonation" type="t:ExchangeImpersonationType"/>
  <xs:simpleType name="ExchangeVersionType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Exchange2007"/>
      <xs:enumeration value="Exchange2007_SP1"/>
      <xs:enumeration value="Exchange2010"/>
      <xs:enumeration value="Exchange2010_SP1"/>
      <xs:enumeration value="Exchange2010_SP2"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ExcludesAttributeType">
    <xs:restriction base="xs:string">
      <xs:pattern value="((0x|0X)[0-9A-Fa-f]*)|([0-9]*)"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:element name="FieldURI" type="t:PathToUnindexedFieldType" substitutionGroup="t:Path"/>
  <xs:complexType name="FieldURIOrConstantType">
    <xs:choice>
      <xs:element ref="t:Path"/>
      <xs:element name="Constant" type="t:ConstantValueType"/>
    </xs:choice>
  </xs:complexType>
  <xs:attributeGroup name="FindResponsePagingAttributes">
    <xs:attribute name="IndexedPagingOffset" type="xs:int" use="optional"/>
```

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```xml
            <xs:attribute name="NumeratorOffset" type="xs:int" use="optional"/>
            <xs:attribute name="AbsoluteDenominator" type="xs:int" use="optional"/>
            <xs:attribute name="IncludesLastItemInRange" type="xs:boolean" use="optional"/>
            <xs:attribute name="TotalItemsInView" type="xs:int" use="optional"/>
        </xs:attributeGroup>
        <xs:complexType name="FolderIdType">
          <xs:complexContent>
            <xs:extension base="t:BaseFolderIdType">
              <xs:attribute name="Id" type="xs:string" use="required"/>
              <xs:attribute name="ChangeKey" type="xs:string" use="optional"/>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="FolderResponseShapeType">
          <xs:sequence>
            <xs:element name="BaseShape" type="t:DefaultShapeNamesType"/>
            <xs:element name="AdditionalProperties" type="t:NonEmptyArrayOfPathsToElementType"
     minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
        <xs:complexType name="ForwardItemType">
          <xs:complexContent>
            <xs:extension base="t:SmartResponseType"/>
          </xs:complexContent>
        </xs:complexType>
        <xs:element name="IndexedFieldURI" type="t:PathToIndexedFieldType"
     substitutionGroup="t:Path"/>
        <xs:complexType name="InternetHeaderType">
          <xs:simpleContent>
            <xs:extension base="xs:string">
              <xs:attribute name="HeaderName" type="xs:string" use="required"/>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
        <xs:complexType name="IntervalRecurrencePatternBaseType" abstract="true">
          <xs:complexContent>
            <xs:extension base="t:RecurrencePatternBaseType">
              <xs:sequence>
                <xs:element name="Interval" type="xs:int"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="ItemResponseShapeType">
          <xs:sequence>
            <xs:element name="BaseShape" type="t:DefaultShapeNamesType"/>
            <xs:element name="IncludeMimeContent" type="xs:boolean" minOccurs="0"/>
            <xs:element name="BodyType" type="t:BodyTypeResponseType" minOccurs="0"/>
            <xs:element name="FilterHtmlContent" type="xs:boolean" minOccurs="0"/>
            <xs:element name="ConvertHtmlCodePageToUTF8" type="xs:boolean" minOccurs="0"
     maxOccurs="1"/>
            <xs:element name="AdditionalProperties" type="t:NonEmptyArrayOfPathsToElementType"
     minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
        <xs:simpleType name="LegacyFreeBusyType">
          <xs:restriction base="xs:string">
            <xs:enumeration value="Free"/>
            <xs:enumeration value="Tentative"/>
```

```xml
            <xs:enumeration value="Busy"/>
            <xs:enumeration value="OOF"/>
            <xs:enumeration value="NoData"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:complexType name="MailboxCultureType">
          <xs:simpleContent>
            <xs:extension base="xs:language">
              <xs:anyAttribute namespace="http://schemas.xmlsoap.org/soap/envelope/"/>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
        <xs:element name="MailboxCulture" type="t:MailboxCultureType"/>
        <xs:simpleType name="MailboxTypeType">
          <xs:restriction base="xs:string">
            <xs:enumeration value="Unknown"/>
            <xs:enumeration value="OneOff"/>
            <xs:enumeration value="Mailbox"/>
            <xs:enumeration value="PublicDL"/>
            <xs:enumeration value="PrivateDL"/>
            <xs:enumeration value="Contact"/>
            <xs:enumeration value="PublicFolder"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType name="MonthNamesType">
          <xs:restriction base="xs:string">
            <xs:enumeration value="January"/>
            <xs:enumeration value="February"/>
            <xs:enumeration value="March"/>
            <xs:enumeration value="April"/>
            <xs:enumeration value="May"/>
            <xs:enumeration value="June"/>
            <xs:enumeration value="July"/>
            <xs:enumeration value="August"/>
            <xs:enumeration value="September"/>
            <xs:enumeration value="October"/>
            <xs:enumeration value="November"/>
            <xs:enumeration value="December"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:complexType name="NoEndRecurrenceRangeType">
          <xs:complexContent>
            <xs:extension base="t:RecurrenceRangeBaseType"/>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="NonEmptyArrayOfAllItemsType">
          <xs:sequence>
            <xs:choice maxOccurs="unbounded">
              <xs:element name="Item" type="t:ItemType"/>
              <xs:element name="Message" type="t:MessageType"/>
              <xs:element name="CalendarItem" type="t:CalendarItemType"/>
              <xs:element name="Contact" type="t:ContactItemType"/>
              <xs:element name="DistributionList" type="t:DistributionListType"/>
              <xs:element name="MeetingMessage" type="t:MeetingMessageType"/>
              <xs:element name="MeetingRequest" type="t:MeetingRequestMessageType"/>
              <xs:element name="MeetingResponse" type="t:MeetingResponseMessageType"/>
              <xs:element name="MeetingCancellation" type="t:MeetingCancellationMessageType"/>
              <xs:element name="Task" type="t:TaskType"/>
              <xs:element name="PostItem" type="t:PostItemType"/>
```

```
              <xs:element name="ReplyToItem" type="t:ReplyToItemType"/>
              <xs:element name="ForwardItem" type="t:ForwardItemType"/>
              <xs:element name="ReplyAllToItem" type="t:ReplyAllToItemType"/>
              <xs:element name="AcceptItem" type="t:AcceptItemType"/>
              <xs:element name="TentativelyAcceptItem" type="t:TentativelyAcceptItemType"/>
              <xs:element name="DeclineItem" type="t:DeclineItemType"/>
              <xs:element name="CancelCalendarItem" type="t:CancelCalendarItemType"/>
              <xs:element name="RemoveItem" type="t:RemoveItemType"/>
              <xs:element name="SuppressReadReceipt" type="t:SuppressReadReceiptType"/>
              <xs:element name="PostReplyItem" type="t:PostReplyItemType"/>
              <xs:element name="AcceptSharingInvitation" type="t:AcceptSharingInvitationType"/>
          </xs:choice>
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="NonEmptyArrayOfAttachmentsType">
      <xs:choice maxOccurs="unbounded">
        <xs:element name="ItemAttachment" type="t:ItemAttachmentType"/>
        <xs:element name="FileAttachment" type="t:FileAttachmentType"/>
      </xs:choice>
    </xs:complexType>
    <xs:complexType name="NonEmptyArrayOfPathsToElementType">
      <xs:choice maxOccurs="unbounded">
        <xs:element ref="t:Path"/>
      </xs:choice>
    </xs:complexType>
    <xs:simpleType name="NonEmptyStringType">
      <xs:restriction base="xs:string">
        <xs:minLength value="1"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="NumberedRecurrenceRangeType">
      <xs:complexContent>
        <xs:extension base="t:RecurrenceRangeBaseType">
          <xs:sequence>
            <xs:element name="NumberOfOccurrences" type="xs:int"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="Path" type="t:BasePathToElementType" abstract="true"/>
    <xs:complexType name="PathToExceptionFieldType">
      <xs:complexContent>
        <xs:extension base="t:BasePathToElementType">
          <xs:attribute name="FieldURI" type="t:ExceptionPropertyURIType" use="required"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="PathToIndexedFieldType">
      <xs:complexContent>
        <xs:extension base="t:BasePathToElementType">
          <xs:attribute name="FieldURI" type="t:DictionaryURIType" use="required"/>
          <xs:attribute name="FieldIndex" type="xs:string" use="required"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="PathToUnindexedFieldType">
      <xs:complexContent>
        <xs:extension base="t:BasePathToElementType">
          <xs:attribute name="FieldURI" type="t:UnindexedFieldURIType" use="required"/>
```

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```
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="RecurrencePatternBaseType" abstract="true"/>
        <xs:group name="RecurrencePatternTypes">
          <xs:sequence>
            <xs:choice>
              <xs:element name="RelativeYearlyRecurrence"
    type="t:RelativeYearlyRecurrencePatternType"/>
              <xs:element name="AbsoluteYearlyRecurrence"
    type="t:AbsoluteYearlyRecurrencePatternType"/>
              <xs:element name="RelativeMonthlyRecurrence"
    type="t:RelativeMonthlyRecurrencePatternType"/>
              <xs:element name="AbsoluteMonthlyRecurrence"
    type="t:AbsoluteMonthlyRecurrencePatternType"/>
              <xs:element name="WeeklyRecurrence" type="t:WeeklyRecurrencePatternType"/>
              <xs:element name="DailyRecurrence" type="t:DailyRecurrencePatternType"/>
            </xs:choice>
          </xs:sequence>
        </xs:group>
        <xs:complexType name="RecurrenceRangeBaseType" abstract="true">
          <xs:sequence>
            <xs:element name="StartDate" type="xs:date"/>
          </xs:sequence>
        </xs:complexType>
        <xs:group name="RecurrenceRangeTypes">
          <xs:sequence>
            <xs:choice>
              <xs:element name="NoEndRecurrence" type="t:NoEndRecurrenceRangeType"/>
              <xs:element name="EndDateRecurrence" type="t:EndDateRecurrenceRangeType"/>
              <xs:element name="NumberedRecurrence" type="t:NumberedRecurrenceRangeType"/>
            </xs:choice>
          </xs:sequence>
        </xs:group>
        <xs:complexType name="RelativeMonthlyRecurrencePatternType">
          <xs:complexContent>
            <xs:extension base="t:IntervalRecurrencePatternBaseType">
              <xs:sequence>
                <xs:element name="DaysOfWeek" type="t:DayOfWeekType"/>
                <xs:element name="DayOfWeekIndex" type="t:DayOfWeekIndexType"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="RelativeYearlyRecurrencePatternType">
          <xs:complexContent>
            <xs:extension base="t:RecurrencePatternBaseType">
              <xs:sequence>
                <xs:element name="DaysOfWeek" type="t:DayOfWeekType"/>
                <xs:element name="DayOfWeekIndex" type="t:DayOfWeekIndexType"/>
                <xs:element name="Month" type="t:MonthNamesType"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="ReplyAllToItemType">
          <xs:complexContent>
            <xs:extension base="t:SmartResponseType"/>
          </xs:complexContent>
```

```
      </xs:complexType>
      <xs:complexType name="ReplyBody">
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="1" name="Message" type="xs:string"/>
        </xs:sequence>
        <xs:attribute ref="xml:lang" use="optional"/>
      </xs:complexType>
      <xs:complexType name="ReplyToItemType">
        <xs:complexContent>
          <xs:extension base="t:SmartResponseType"/>
        </xs:complexContent>
      </xs:complexType>
      <xs:element name="RequestServerVersion">
        <xs:complexType>
          <xs:attribute name="Version" type="t:ExchangeVersionType" use="required"
  fixed="Exchange2010_SP2"/>
          <xs:anyAttribute namespace="http://schemas.xmlsoap.org/soap/envelope/"/>
        </xs:complexType>
      </xs:element>
      <xs:simpleType name="ResponseClassType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="Success"/>
          <xs:enumeration value="Warning"/>
          <xs:enumeration value="Error"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="ResponseObjectCoreType" abstract="true">
        <xs:complexContent>
          <xs:extension base="t:MessageType">
            <xs:sequence>
              <xs:element name="ReferenceItemId" type="t:ItemIdType" minOccurs="0"/>
            </xs:sequence>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:complexType name="ResponseObjectType" abstract="true">
        <xs:complexContent>
          <xs:extension base="t:ResponseObjectCoreType">
            <xs:attribute name="ObjectName" type="xs:string" use="optional"/>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:simpleType name="SensitivityChoicesType">
        <xs:restriction base="xs:string">
          <xs:enumeration value="Normal"/>
          <xs:enumeration value="Personal"/>
          <xs:enumeration value="Private"/>
          <xs:enumeration value="Confidential"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:element name="ServerVersionInfo">
        <xs:complexType>
          <xs:attribute name="MajorVersion" type="xs:int" use="optional"/>
          <xs:attribute name="MinorVersion" type="xs:int" use="optional"/>
          <xs:attribute name="MajorBuildNumber" type="xs:int" use="optional"/>
          <xs:attribute name="MinorBuildNumber" type="xs:int" use="optional"/>
          <xs:attribute name="Version" type="xs:string" use="optional"/>
        </xs:complexType>
      </xs:element>
```

```xml
<xs:complexType name="SingleRecipientType">
  <xs:choice>
    <xs:element name="Mailbox" type="t:EmailAddressType"/>
  </xs:choice>
</xs:complexType>
<xs:complexType name="SuppressReadReceiptType">
  <xs:complexContent>
    <xs:extension base="t:ReferenceItemResponseType"/>
  </xs:complexContent>
</xs:complexType>
<xs:group name="TaskRecurrencePatternTypes">
  <xs:sequence>
    <xs:choice>
      <xs:element name="RelativeYearlyRecurrence"
type="t:RelativeYearlyRecurrencePatternType"/>
      <xs:element name="AbsoluteYearlyRecurrence"
type="t:AbsoluteYearlyRecurrencePatternType"/>
      <xs:element name="RelativeMonthlyRecurrence"
type="t:RelativeMonthlyRecurrencePatternType"/>
      <xs:element name="AbsoluteMonthlyRecurrence"
type="t:AbsoluteMonthlyRecurrencePatternType"/>
      <xs:element name="WeeklyRecurrence" type="t:WeeklyRecurrencePatternType"/>
      <xs:element name="DailyRecurrence" type="t:DailyRecurrencePatternType"/>
      <xs:element name="DailyRegeneration" type="t:DailyRegeneratingPatternType"/>
      <xs:element name="WeeklyRegeneration" type="t:WeeklyRegeneratingPatternType"/>
      <xs:element name="MonthlyRegeneration" type="t:MonthlyRegeneratingPatternType"/>
      <xs:element name="YearlyRegeneration" type="t:YearlyRegeneratingPatternType"/>
    </xs:choice>
  </xs:sequence>
</xs:group>
<xs:group name="TimeChangePatternTypes">
  <xs:sequence>
    <xs:choice>
      <xs:element name="RelativeYearlyRecurrence"
type="t:RelativeYearlyRecurrencePatternType"/>
      <xs:element name="AbsoluteDate" type="xs:date"/>
    </xs:choice>
  </xs:sequence>
</xs:group>
<xs:simpleType name="UnindexedFieldURIType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="folder:FolderId"/>
    <xs:enumeration value="folder:ParentFolderId"/>
    <xs:enumeration value="folder:DisplayName"/>
    <xs:enumeration value="folder:UnreadCount"/>
    <xs:enumeration value="folder:TotalCount"/>
    <xs:enumeration value="folder:ChildFolderCount"/>
    <xs:enumeration value="folder:FolderClass"/>
    <xs:enumeration value="folder:SearchParameters"/>
    <xs:enumeration value="folder:ManagedFolderInformation"/>
    <xs:enumeration value="folder:PermissionSet"/>
    <xs:enumeration value="folder:EffectiveRights"/>
    <xs:enumeration value="folder:SharingEffectiveRights"/>
    <xs:enumeration value="item:ItemId"/>
    <xs:enumeration value="item:ParentFolderId"/>
    <xs:enumeration value="item:ItemClass"/>
    <xs:enumeration value="item:MimeContent"/>
    <xs:enumeration value="item:Attachments"/>
    <xs:enumeration value="item:Subject"/>
```

```
                <xs:enumeration value="item:DateTimeReceived"/>
                <xs:enumeration value="item:Size"/>
                <xs:enumeration value="item:Categories"/>
                <xs:enumeration value="item:HasAttachments"/>
                <xs:enumeration value="item:Importance"/>
                <xs:enumeration value="item:InReplyTo"/>
                <xs:enumeration value="item:InternetMessageHeaders"/>
                <xs:enumeration value="item:IsAssociated"/>
                <xs:enumeration value="item:IsDraft"/>
                <xs:enumeration value="item:IsFromMe"/>
                <xs:enumeration value="item:IsResend"/>
                <xs:enumeration value="item:IsSubmitted"/>
                <xs:enumeration value="item:IsUnmodified"/>
                <xs:enumeration value="item:DateTimeSent"/>
                <xs:enumeration value="item:DateTimeCreated"/>
                <xs:enumeration value="item:Body"/>
                <xs:enumeration value="item:ResponseObjects"/>
                <xs:enumeration value="item:Sensitivity"/>
                <xs:enumeration value="item:ReminderDueBy"/>
                <xs:enumeration value="item:ReminderIsSet"/>
                <xs:enumeration value="item:ReminderMinutesBeforeStart"/>
                <xs:enumeration value="item:DisplayTo"/>
                <xs:enumeration value="item:DisplayCc"/>
                <xs:enumeration value="item:Culture"/>
                <xs:enumeration value="item:EffectiveRights"/>
                <xs:enumeration value="item:LastModifiedName"/>
                <xs:enumeration value="item:LastModifiedTime"/>
                <xs:enumeration value="item:ConversationId"/>
                <xs:enumeration value="item:UniqueBody"/>
                <xs:enumeration value="item:StoreEntryId"/>
                <xs:enumeration value="item:WebClientReadFormQueryString"/>
                <xs:enumeration value="item:WebClientEditFormQueryString"/>
                <xs:enumeration value="message:ConversationIndex"/>
                <xs:enumeration value="message:ConversationTopic"/>
                <xs:enumeration value="message:InternetMessageId"/>
                <xs:enumeration value="message:IsRead"/>
                <xs:enumeration value="message:IsResponseRequested"/>
                <xs:enumeration value="message:IsReadReceiptRequested"/>
                <xs:enumeration value="message:IsDeliveryReceiptRequested"/>
                <xs:enumeration value="message:ReceivedBy"/>
                <xs:enumeration value="message:ReceivedRepresenting"/>
                <xs:enumeration value="message:References"/>
                <xs:enumeration value="message:ReplyTo"/>
                <xs:enumeration value="message:From"/>
                <xs:enumeration value="message:Sender"/>
                <xs:enumeration value="message:ToRecipients"/>
                <xs:enumeration value="message:CcRecipients"/>
                <xs:enumeration value="message:BccRecipients"/>
                <xs:enumeration value="meeting:AssociatedCalendarItemId"/>
                <xs:enumeration value="meeting:IsDelegated"/>
                <xs:enumeration value="meeting:IsOutOfDate"/>
                <xs:enumeration value="meeting:HasBeenProcessed"/>
                <xs:enumeration value="meeting:ResponseType"/>
                <xs:enumeration value="meetingRequest:MeetingRequestType"/>
                <xs:enumeration value="meetingRequest:IntendedFreeBusyStatus"/>
                <xs:enumeration value="calendar:Start"/>
                <xs:enumeration value="calendar:End"/>
                <xs:enumeration value="calendar:OriginalStart"/>
                <xs:enumeration value="calendar:IsAllDayEvent"/>
```

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```
                     <xs:enumeration value="calendar:LegacyFreeBusyStatus"/>
                     <xs:enumeration value="calendar:Location"/>
                     <xs:enumeration value="calendar:When"/>
                     <xs:enumeration value="calendar:IsMeeting"/>
                     <xs:enumeration value="calendar:IsCancelled"/>
                     <xs:enumeration value="calendar:IsRecurring"/>
                     <xs:enumeration value="calendar:MeetingRequestWasSent"/>
                     <xs:enumeration value="calendar:IsResponseRequested"/>
                     <xs:enumeration value="calendar:CalendarItemType"/>
                     <xs:enumeration value="calendar:MyResponseType"/>
                     <xs:enumeration value="calendar:Organizer"/>
                     <xs:enumeration value="calendar:RequiredAttendees"/>
                     <xs:enumeration value="calendar:OptionalAttendees"/>
                     <xs:enumeration value="calendar:Resources"/>
                     <xs:enumeration value="calendar:ConflictingMeetingCount"/>
                     <xs:enumeration value="calendar:AdjacentMeetingCount"/>
                     <xs:enumeration value="calendar:ConflictingMeetings"/>
                     <xs:enumeration value="calendar:AdjacentMeetings"/>
                     <xs:enumeration value="calendar:Duration"/>
                     <xs:enumeration value="calendar:TimeZone"/>
                     <xs:enumeration value="calendar:AppointmentReplyTime"/>
                     <xs:enumeration value="calendar:AppointmentSequenceNumber"/>
                     <xs:enumeration value="calendar:AppointmentState"/>
                     <xs:enumeration value="calendar:Recurrence"/>
                     <xs:enumeration value="calendar:FirstOccurrence"/>
                     <xs:enumeration value="calendar:LastOccurrence"/>
                     <xs:enumeration value="calendar:ModifiedOccurrences"/>
                     <xs:enumeration value="calendar:DeletedOccurrences"/>
                     <xs:enumeration value="calendar:MeetingTimeZone"/>
                     <xs:enumeration value="calendar:ConferenceType"/>
                     <xs:enumeration value="calendar:AllowNewTimeProposal"/>
                     <xs:enumeration value="calendar:IsOnlineMeeting"/>
                     <xs:enumeration value="calendar:MeetingWorkspaceUrl"/>
                     <xs:enumeration value="calendar:NetShowUrl"/>
                     <xs:enumeration value="calendar:UID"/>
                     <xs:enumeration value="calendar:RecurrenceId"/>
                     <xs:enumeration value="calendar:DateTimeStamp"/>
                     <xs:enumeration value="calendar:StartTimeZone"/>
                     <xs:enumeration value="calendar:EndTimeZone"/>
                     <xs:enumeration value="task:ActualWork"/>
                     <xs:enumeration value="task:AssignedTime"/>
                     <xs:enumeration value="task:BillingInformation"/>
                     <xs:enumeration value="task:ChangeCount"/>
                     <xs:enumeration value="task:Companies"/>
                     <xs:enumeration value="task:CompleteDate"/>
                     <xs:enumeration value="task:Contacts"/>
                     <xs:enumeration value="task:DelegationState"/>
                     <xs:enumeration value="task:Delegator"/>
                     <xs:enumeration value="task:DueDate"/>
                     <xs:enumeration value="task:IsAssignmentEditable"/>
                     <xs:enumeration value="task:IsComplete"/>
                     <xs:enumeration value="task:IsRecurring"/>
                     <xs:enumeration value="task:IsTeamTask"/>
                     <xs:enumeration value="task:Mileage"/>
                     <xs:enumeration value="task:Owner"/>
                     <xs:enumeration value="task:PercentComplete"/>
                     <xs:enumeration value="task:Recurrence"/>
                     <xs:enumeration value="task:StartDate"/>
                     <xs:enumeration value="task:Status"/>
```

```
                <xs:enumeration value="task:StatusDescription"/>
                <xs:enumeration value="task:TotalWork"/>
                <xs:enumeration value="contacts:Alias"/>
                <xs:enumeration value="contacts:AssistantName"/>
                <xs:enumeration value="contacts:Birthday"/>
                <xs:enumeration value="contacts:BusinessHomePage"/>
                <xs:enumeration value="contacts:Children"/>
                <xs:enumeration value="contacts:Companies"/>
                <xs:enumeration value="contacts:CompanyName"/>
                <xs:enumeration value="contacts:CompleteName"/>
                <xs:enumeration value="contacts:ContactSource"/>
                <xs:enumeration value="contacts:Culture"/>
                <xs:enumeration value="contacts:Department"/>
                <xs:enumeration value="contacts:DisplayName"/>
                <xs:enumeration value="contacts:DirectoryId"/>
                <xs:enumeration value="contacts:DirectReports"/>
                <xs:enumeration value="contacts:EmailAddresses"/>
                <xs:enumeration value="contacts:FileAs"/>
                <xs:enumeration value="contacts:FileAsMapping"/>
                <xs:enumeration value="contacts:Generation"/>
                <xs:enumeration value="contacts:GivenName"/>
                <xs:enumeration value="contacts:ImAddresses"/>
                <xs:enumeration value="contacts:Initials"/>
                <xs:enumeration value="contacts:JobTitle"/>
                <xs:enumeration value="contacts:Manager"/>
                <xs:enumeration value="contacts:ManagerMailbox"/>
                <xs:enumeration value="contacts:MiddleName"/>
                <xs:enumeration value="contacts:Mileage"/>
                <xs:enumeration value="contacts:MSExchangeCertificate"/>
                <xs:enumeration value="contacts:Nickname"/>
                <xs:enumeration value="contacts:Notes"/>
                <xs:enumeration value="contacts:OfficeLocation"/>
                <xs:enumeration value="contacts:PhoneNumbers"/>
                <xs:enumeration value="contacts:PhoneticFullName"/>
                <xs:enumeration value="contacts:PhoneticFirstName"/>
                <xs:enumeration value="contacts:PhoneticLastName"/>
                <xs:enumeration value="contacts:Photo"/>
                <xs:enumeration value="contacts:PhysicalAddresses"/>
                <xs:enumeration value="contacts:PostalAddressIndex"/>
                <xs:enumeration value="contacts:Profession"/>
                <xs:enumeration value="contacts:SpouseName"/>
                <xs:enumeration value="contacts:Surname"/>
                <xs:enumeration value="contacts:WeddingAnniversary"/>
                <xs:enumeration value="contacts:UserSMIMECertificate"/>
                <xs:enumeration value="contacts:HasPicture"/>
                <xs:enumeration value="distributionlist:Members"/>
                <xs:enumeration value="postitem:PostedTime"/>
                <xs:enumeration value ="conversation:ConversationId" />
                <xs:enumeration value ="conversation:ConversationTopic" />
                <xs:enumeration value ="conversation:UniqueRecipients" />
                <xs:enumeration value ="conversation:GlobalUniqueRecipients" />
                <xs:enumeration value ="conversation:UniqueUnreadSenders" />
                <xs:enumeration value ="conversation:GlobalUniqueUnreadSenders" />
                <xs:enumeration value ="conversation:UniqueSenders" />
                <xs:enumeration value ="conversation:GlobalUniqueSenders" />
                <xs:enumeration value ="conversation:LastDeliveryTime" />
                <xs:enumeration value ="conversation:GlobalLastDeliveryTime" />
                <xs:enumeration value ="conversation:Categories" />
                <xs:enumeration value ="conversation:GlobalCategories" />
```

```
            <xs:enumeration value ="conversation:FlagStatus" />
            <xs:enumeration value ="conversation:GlobalFlagStatus" />
            <xs:enumeration value ="conversation:HasAttachments" />
            <xs:enumeration value ="conversation:GlobalHasAttachments" />
            <xs:enumeration value ="conversation:MessageCount" />
            <xs:enumeration value ="conversation:GlobalMessageCount" />
            <xs:enumeration value ="conversation:UnreadCount" />
            <xs:enumeration value ="conversation:GlobalUnreadCount" />
            <xs:enumeration value ="conversation:Size" />
            <xs:enumeration value ="conversation:GlobalSize" />
            <xs:enumeration value ="conversation:ItemClasses" />
            <xs:enumeration value ="conversation:GlobalItemClasses" />
            <xs:enumeration value ="conversation:Importance" />
            <xs:enumeration value ="conversation:GlobalImportance" />
            <xs:enumeration value ="conversation:ItemIds" />
            <xs:enumeration value ="conversation:GlobalItemIds" />
      </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="UserIdType">
    <xs:sequence>
      <xs:element name="SID" type="xs:string" minOccurs="0"/>
      <xs:element name="PrimarySmtpAddress" type="xs:string" minOccurs="0"/>
      <xs:element name="DisplayName" type="xs:string" minOccurs="0"/>
      <xs:element name="DistinguishedUser" type="t:DistinguishedUserType" minOccurs="0"/>
      <xs:element name="ExternalUserIdentity" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="Value">
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="Name" type="xs:string" use="required"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
  <xs:element name="Value" type="t:Value"/>
  <xs:complexType name="WeeklyRecurrencePatternType">
    <xs:complexContent>
      <xs:extension base="t:IntervalRecurrencePatternBaseType">
        <xs:sequence>
          <xs:element name="DaysOfWeek" type="t:DaysOfWeekType"/>
          <xs:element name="FirstDayOfWeek" type="t:DayOfWeekType" minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="WellKnownResponseObjectType">
    <xs:complexContent>
      <xs:restriction base="t:ResponseObjectType">
        <xs:sequence>
          <xs:element name="ItemClass" type="t:ItemClassType" minOccurs="0"/>
          <xs:element name="Sensitivity" type="t:SensitivityChoicesType" minOccurs="0"/>
          <xs:element name="Body" type="t:BodyType" minOccurs="0"/>
          <xs:element name="Attachments" type="t:NonEmptyArrayOfAttachmentsType"
minOccurs="0"/>
          <xs:element name="InternetMessageHeaders"
type="t:NonEmptyArrayOfInternetHeadersType" minOccurs="0"/>
          <xs:element name="Sender" type="t:SingleRecipientType" minOccurs="0"/>
          <xs:element name="ToRecipients" type="t:ArrayOfRecipientsType" minOccurs="0"/>
          <xs:element name="CcRecipients" type="t:ArrayOfRecipientsType" minOccurs="0"/>
```

```
              <xs:element name="BccRecipients" type="t:ArrayOfRecipientsType" minOccurs="0"/>
              <xs:element name="IsReadReceiptRequested" type="xs:boolean" minOccurs="0"/>
              <xs:element name="IsDeliveryReceiptRequested" type="xs:boolean" minOccurs="0"/>
              <xs:element name="From" type="t:SingleRecipientType" minOccurs="0"/>
              <xs:element name="ReferenceItemId" type="t:ItemIdType" minOccurs="0"/>
            </xs:sequence>
            <xs:attribute name="ObjectName" type="xs:string" use="prohibited"/>
          </xs:restriction>
        </xs:complexContent>
      </xs:complexType>
    </xs:schema>
```

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 2007

▪ Microsoft® Exchange Server 2010

▪ Microsoft® Exchange Server 15 Technical Preview

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.

<1> Section 2.2.2.3: Exchange 2007, Exchange 2010, and Exchange 2010 SP1 do not include the **DateTimePrecisionType** simple type. The **DateTimePrecisionType** simple type was introduced in Exchange 2010 SP2.

<2> Section 2.2.2.10: Exchange 2007 and the initial release version of Exchange 2010 do not include the following enumeration values: recoverableitemsroot, recoverableitemsdeletions, recoverableitemsversions, recoverableitemspurges, archiveroot, archivemsgfolderroot, archivedeleteditems, archiverecoverableitemsroot, archiverecoverableitemsdeletions, archiverecoverableitemsversions, and archiverecoverableitemspurges.

<3> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "syncissues" value.

<4> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "localfailures" value.

<5> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "serverfailures" value.

<6> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "recipientcache" value.

<7> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "quickcontacts" value.

<8> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "conversationhistory" value.

<9> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "adminauditlogs" value.

<10> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "todosearch" value.

<11> Section 2.2.2.10: Exchange 2007 and Exchange 2010 do not use the "mycontacts" value.

<12> Section 2.2.2.14: Exchange 2007 does not include the **ExchangeVersionType** simple type.

<13> Section 2.2.2.14: Exchange 2007 includes only the target schema that is identified by the **Exchange2007** enumeration value.

<14> Section 2.2.2.14: Exchange 2007 does not include the target schema that is identified by the **Exchange2007_SP1** enumeration value.

<15> Section 2.2.2.14: Exchange 2007 and Exchange 2007 SP1 do not include the target schema that is identified by the **Exchange2010** enumeration value.

<16> Section 2.2.2.14: Exchange 2007, Exchange 2007 SP1, and the initial release version of Exchange 2010 do not include the target schema that is identified by the **Exchange2010_SP1** enumeration value.

<17> Section 2.2.2.14: Exchange 2007, Exchange 2007 SP1, the initial release version of Exchange 2010, and Exchange 2010 SP1 do not include the target schema that is identified by the **Exchange2010_SP2** enumeration value.

<18> Section 2.2.2.14: Exchange 2007 and Exchange 2010 do not include the target schema that is identified by the **Exchange2012** enumeration value.

<19> Section 2.2.2.16: Exchange 2007 and Exchange 2010 do not use the **WorkingElsewhere** value.

<20> Section 2.2.2.21: Exchange 2007 and the initial release version of Exchange 2010 do not include the following response codes: ErrorAccessModeSpecified, ErrorCannotEmptyFolder, ErrorClientDisconnected, ErrorInvalidLogonType, ErrorNoApplicableProxyCASServersAvailable, ErrorNoPublicFolderServerAvailable, ErrorProxyServiceDiscoveryFailed, ErrorSubscriptionUnsubscribed, ErrorOutlookRuleBlobExists, ErrorRulesOverQuota, ErrorInboxRulesValidationError, ErrorNewEventStreamConnectionOpened, ErrorMissedNotifcationEvents, and ErrorApplyConversationActionFailed. Exchange 2010 SP1 does not include the ErrorAttachmentNestLevelLimitExceeded response code.

<21> Section 2.2.2.21: Exchange 2007, Exchange 2010 SP1, and Exchange 2010 SP2 do not include the **ErrorAttachmentNestLevelLimitExceeded** enumeration.

<22> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorContentIndexingNotEnabled error code.

<23> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorDeleteUnifiedMessagingPromptFailed error code.

<24> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorImContactLimitReached error code.

<25> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorImGroupDisplayNameAlreadyExists error code.

<26> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorImGroupLimitReached error code.

<27> Section 2.2.2.21: IDs that are based on the Exchange 2007 server schema are not supported by Exchange 2007 SP1 or later.

<28> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorInvalidImContactId error code.

<29> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorInvalidImDistributionGroupSmtpAddress error code.

<30> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorInvalidImGroupId error code.

<31> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorInvalidRetentionTagTypeMismatch error code.

<32> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorInvalidRetentionTagInvisible error code.

<33> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorInvalidRetentionTagInheritance error code.

<34> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorPromptPublishingOperationFailed error code.

<35> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorTeamMailboxNotFound error code.

<36> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorTeamMailboxNotLinkedToSharePoint error code.

<37> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorTeamMailboxUrlValidationFailed error code.

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<39> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorTeamMailboxActiveToPendingDelete error code.

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<45> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorUserPhotoToSaveNotFound error code.

<46> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorUserPhotoUploadFileTooLarge error code.

<47> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorUserPhotoUploadFileTooSmall error code.

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<64> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorArchiveMailboxSearchFailed error code.

<65> Section 2.2.2.21: Exchange 2007 and Exchange 2010 do not use the ErrorArchiveMailboxServiceDiscoveryFailed error code.

<66> Section 2.2.2.23: Exchange 2007 and the initial release version of Exchange 2010 do not include the following enumeration values: conversation:ConversationId, conversation:ConversationTopic, conversation:UniqueRecipients, conversation:GlobalUniqueRecipients, conversation:UniqueUnreadSenders, conversation:GlobalUniqueUnreadSenders, conversation:UniqueSenders, conversation:GlobalUniqueSenders, conversation:LastDeliveryTime, conversation:GlobalLastDeliveryTime, conversation:Categories, conversation:GlobalCategories, conversation:FlagStatus, conversation:GlobalFlagStatus, conversation:HasAttachments, conversation:GlobalHasAttachments, conversation:MessageCount,

conversation:GlobalMessageCount, conversation:UnreadCount, conversation:GlobalUnreadCount, conversation:Size, conversation:GlobalSize, conversation:ItemClasses, conversation:GlobalItemClasses, conversation:Importance, conversation:GlobalImportance, conversation:ItemIds, and conversation:GlobalItemIds.

Exchange 2007, Exchange 2010, and Exchange 2010 SP1 do not include the following enumeration values: **StoreEntryId**, **Alias**, **DirectoryId, DirectReports**, **ManagerMailbox**, **MSExchangeCertificate**, **Notes**, **PhoneticFullName**, **PhoneticFirstName**, **PhoneticLastName**, **Photo**, and **UserSMIMECertificate**.

<67> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **folder:DistinguishedFolderId** value.

<68> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **folder:PolicyTag** value.

<69> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **folder:ArchiveTag** value.

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<71> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **item:InferredImportanceReason** value.

<72> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **item:flag** value.

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<74> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **item:NormalizedBody** value.

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<87> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **conversation:Preview** value.

<88> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **conversation:InferredImportance** value.

<89> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **conversation:GlobalInferredImportance** value.

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<91> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **conversation:NextPredictedAction** value.

<92> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:GivenName** value.

<93> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:CompanyName** value.

<94> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:Surname** value.

<95> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:DisplayName** value.

<96> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:EmailAddress** value.

<97> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:FileAs** value.

<98> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:HomeCity** value.

<99> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:CreationTime** value.

<100> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:RelevanceScore** value.

<101> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:WorkCity** value.

<102> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:DisplayNameFirstLast** value.

<103> Section 2.2.2.23: Exchange 2007 and Exchange 2010 do not use the **person:DisplayNameLastFirst** value.

<104> Section 2.2.3.6: Exchange 2007 and Exchange 2010 do not use the **ArrayOfHighlightTermsType** complex type.

<105> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **UpdateItemInRecoverableItemsResponseMessage** element.

<106> Section 2.2.3.10: Exchange 2007 and the initial release version of Exchange 2010 do not include the **EmptyFolderResponseMessage** element.

<107> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **CreateFolderPathResponseMessage** element.

<108> Section 2.2.3.10: Exchange 2007 and the initial release version of Exchange 2010 do not include the **UploadItemsResponseMessage** element.

<109> Section 2.2.3.10: Exchange 2007 and the initial release version of Exchange 2010 do not include the **ExportItemsResponseMessage** element.

<110> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **MarkAllItemsAsReadResponseMessage** element.

<111> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **GetClientAccessTokenResponseMessage** element.

<112> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **GetClientExtensionManifestsResponseMessage** element.

<113> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **GetClientExtensionResponseMessage**, element.

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<115> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not include the **GetStreamingEventsResponseMessage** element.

<116> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **GetRemindersResponse** and **PerformReminderActionResponse** element.

<117> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **GetRemindersResponse** element.

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<124> Section 2.2.3.10: Exchange 2007, the initial release version of Exchange 2010, and Exchange 2010 SP1 do not include the **GetPasswordExpirationDateResponse** element.

<125> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **GetPersonaResponseMessage** element.

<126> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **GetConversationItemsResponseMessage** element.

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<128> Section 2.2.3.10: Exchange 2007 and Exchange 2010 do not use the **GetUserPhotoResponseMessage** element.

<129> Section 2.2.3.18: Exchange 2007 and Exchange 2010 do not use the **ChangeHighlightsType** complex type.

<130> Section 2.2.3.25: Exchange 2007 and Exchange 2010 do not include the **ViewPrivateItems** element.

<131> Section 2.2.3.34: Exchange 2007 and Exchange 2010 do not use the **HighlightTermType** element.

<132> Section 2.2.3.38: Exchange 2007 and Exchange 2010 do not include the **ConvertHtmlCodePageToUTF8** element.

<133> Section 2.2.3.38: Exchange 2007 and Exchange 2010 do not use the **ConvertInlineImagesToDataUrls**, **InlineImageUrlTemplate**, **BlockExternalImages,** and **AddBlankTargetToLinks** element.

<134> Section 2.2.3.38: Exchange 2007 and Exchange 2010 do not use the **InlineImageUrlTemplate** element.

<135> Section 2.2.3.38: Exchange 2007 and Exchange 2010 do not use the **BlockExternalImages** element.

<136> Section 2.2.3.38: Exchange 2007 and Exchange 2010 do not use the **AddBlankTargetToLinks** element.

<137> Section 2.2.3.40: Exchange 2007 and Exchange 2010 do not use the **ManagementRoleType** complex type.

<138> Section 2.2.3.45: Exchange 2007 and Exchange 2010 do not use the **NonEmptyArrayOfRoleType** complex type.

<139> Section 2.2.3.64: Exchange 2007 and Exchange 2010 do not include the **FirstDayOfWeek** element.

<140> Section 2.2.4.1: Exchange 2007, the initial release version of Exchange 2010, and Exchange 2010 SP1 do not include the **DateTimePrecision** element.

<141> Section 2.2.4.7: Exchange 2007 and Exchange 2010 do not use the **ManagementRole** element.

<142> Section 2.2.4.9: Exchange 2007 does not include the **RequestServerVersion** element. Exchange 2007 SP1 includes a **fixed** attribute with a value equal to Exchange2007_SP1. The initial release version of Exchange 2010 includes a **fixed** attribute with a value equal to Exchange2010. Exchange 2010 SP1 includes a **fixed** attribute with a value equal to Exchange2010_SP1. Exchange 2010 SP2 includes a fixed attribute with a value equal to Exchange2010_SP2.

9   Change Tracking

This section identifies changes that were made to the [MS-OXWSCDATA] protocol document between the October 2011 and January 2012 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.

- An extensive rewrite, addition, or deletion of major portions of content.

- The removal of a document from the documentation set.

- Changes made for template compliance.

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 language and 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 or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

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.

- New content added for template compliance.

- Content updated for template compliance.

- Content removed for template compliance.

- 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 protocol@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
2.2.2.10 t:DistinguishedFolderIdNameType Simple Type	Added the syncissues, conflicts, localfailures, serverfailures, recipientcache, quickcontacts, conversationhistory, adminauditlogs, todosearch, and mycontacts values.	Y	New content added due to protocol revision.
2.2.2.14 t:ExchangeVersionType Simple Type	Added the Exchange2012 enumeration value.	Y	New content added due to protocol revision.
2.2.2.16 t:LegacyFreeBusyType Simple Type	Added the WorkingElsewhere enumeration value.	Y	New content added due to protocol revision.
2.2.2.21 m:ResponseCodeType Simple Type	Added new enumeration values.	Y	New content added due to protocol revision.
2.2.2.23 t:UnindexedFieldURIType Simple Type	Added new enumeration values.	Y	New content added due to protocol revision.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
2.2.3.6 t:ArrayOfHighlightTermsType	Added section.	Y	New content added due to protocol revision.
2.2.3.10 m:ArrayOfResponseMessagesType Complex Type	Added new elements.	Y	New content added due to protocol revision.
2.2.3.18 t:ChangeHighlightsType	Added section.	Y	New content added due to protocol revision.
2.2.3.34 t:HighlightTermType	Added section.	Y	New content added due to protocol revision.
2.2.3.34 t:HighlightTermType	Added section.	Y	New content added due to protocol revision.
2.2.3.38 t:ItemResponseShapeType Complex Type	Added the ConvertInlineImagesToDataUrls, InlineImageUrlTemplate, BlockExternalImages, and AddBlankTargetToLinks elements.	Y	New content added due to protocol revision.
2.2.3.40 t:ManagementRoleType Complex Type	Added section.	Y	New content added due to protocol revision.
2.2.3.45 t:NonEmptyArrayOfRoleType Complex Type	Added section.	Y	New content added due to protocol revision.
2.2.4.9 t:RequestServerVersion Element	Updated the schema version in the RequestServerVersion element.	Y	Content updated due to protocol revision.
8 Appendix C: Product Behavior	Added Exchange 15 Technical Preview to the list of applicable product versions.	Y	Content updated.

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