

# [MS-OXWSCDATA]: Common Web Service Data Types

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# 1 Introduction

The Common Web Service Data Types are **web service** data types that are common to more than one web service protocol.

Sections 1.5, 1.8, 1.9, 2, and 3 of this specification are normative. All other sections and examples in this specification are informative.

## 1.1 Glossary

This document uses the following terms:

**base64 encoding:** A binary-to-text encoding scheme whereby an arbitrary sequence of bytes is converted to a sequence of printable ASCII characters, as described in [\[RFC4648\]](#).

**binary large object (BLOB):** A discrete packet of data that is stored in a database and is treated as a sequence of uninterpreted bytes.

**blind carbon copy (Bcc) recipient:** An addressee on a Message object that is not visible to recipients of the Message object.

**Calendar folder:** A Folder object that contains Calendar objects.

**carbon copy (Cc) recipient:** An address on a Message object that is visible to recipients of the Message object but is not necessarily expected to take any action.

**Contacts folder:** A Folder object that contains Contact objects.

**Coordinated Universal Time (UTC):** A high-precision atomic time standard that approximately tracks Universal Time (UT). It is the basis for legal, civil time all over the Earth. Time zones around the world are expressed as positive and negative offsets from UTC. In this role, it is also referred to as Zulu time (Z) and Greenwich Mean Time (GMT). In these specifications, all references to UTC refer to the time at UTC-0 (or GMT).

**delegate:** A user or resource that has permissions to act on behalf of another user or resource.

**Deleted Items folder:** A special folder that is the default location for objects that have been deleted.

**dictionary:** A collection of key/value pairs. Each pair consists of a unique key and an associated value. Values in the dictionary are retrieved by providing a key for which the dictionary returns the associated value.

**distribution list:** A collection of users, computers, contacts, or other groups that is used only for email distribution, and addressed as a single recipient.

**Domain Name System (DNS):** A hierarchical, distributed database that contains mappings of domain names to various types of data, such as IP addresses. DNS enables the location of computers and services by user-friendly names, and it also enables the discovery of other information stored in the database.

**Drafts folder:** A special folder that is the default location for Message objects that have been saved but not sent.

**endpoint:** A communication port that is exposed by an application server for a specific shared service and to which messages can be addressed.

**free/busy message:** A message that is stored in a public folder and contains free/busy data.



**free/busy status:** A property of an appointment that indicates how an appointment on the calendar of an attendee or resource affects their availability.

**Hypertext Markup Language (HTML):** An application of the Standard Generalized Markup Language (SGML) that uses tags to mark elements in a document, as described in [\[HTML\]](#).

**Inbox folder:** A special folder that is the default location for Message objects received by a user or resource.

**Information Rights Management (IRM):** A technology that provides persistent protection to digital data by using encryption, certificates, and authentication. Authorized recipients or users acquire a license to gain access to the protected files according to the rights or business rules that are set by the content owner.

**Journal folder:** A Folder object that contains Journal objects.

**Junk Email folder:** A special folder that is the default location for Message objects that are determined to be junk email by a Junk Email rule.

**mailbox:** A message store that contains email, calendar items, and other Message objects for a single recipient.

**Multipurpose Internet Mail Extensions (MIME):** A set of extensions that redefines and expands support for various types of content in email messages, as described in [\[RFC2045\]](#), [\[RFC2046\]](#), and [\[RFC2047\]](#).

**Notes folder:** A Folder object that contains Note objects.

**OOF message:** A message that is sent in response to incoming messages and indicates that the user is currently **Out of Office (OOF)**.

**Out of Office (OOF):** One of the possible values for the **free/busy status** on an appointment. It indicates that the user will not be in the office during the appointment.

**Outbox folder:** A special folder that contains Message objects that are submitted to be sent.

**plain text:** Text that does not have markup. See also plain text message body.

**public folder:** A Folder object that is stored in a location that is publicly available.

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

**recurrence pattern:** Information for a repeating event, such as the start and end time, the number of occurrences, and how occurrences are spaced, such as daily, weekly, or monthly.

**recurring task:** A series of Task objects that are described by a recurrence pattern.

**S/MIME (Secure/Multipurpose Internet Mail Extensions):** A set of cryptographic security services, as described in [\[RFC5751\]](#).

**search folder:** A Folder object that provides a means of querying for items that match certain criteria. The search folder includes the search folder definition message and the search folder container.

**security descriptor:** A data structure containing the security information associated with a securable object. A **security descriptor** identifies an object's owner by its **security identifier (SID)**. If access control is configured for the object, its **security descriptor** contains a discretionary access control list (DACL) with **SIDs** for the security principals who are allowed or denied access. Applications use this structure to set and query an object's security status. The **security descriptor** is used to guard access to an object as well as to control which type of

auditing takes place when the object is accessed. The **security descriptor** format is specified in [\[MS-DTYP\]](#) section 2.4.6; a string representation of **security descriptors**, called SDDL, is specified in [\[MS-DTYP\]](#) section 2.5.1.

**security identifier (SID):** An identifier for security principals that is used to identify an account or a group. Conceptually, the **SID** is composed of an account authority portion (typically a domain) and a smaller integer representing an identity relative to the account authority, termed the relative identifier (RID). The **SID** format is specified in [\[MS-DTYP\]](#) section 2.4.2; a string representation of **SIDs** is specified in [\[MS-DTYP\]](#) section 2.4.2 and [\[MS-AZOD\]](#) section 1.1.1.2.

**Sent Items folder:** A special folder that is the default location for storing copies of Message objects after they are submitted or sent.

**Short Message Service (SMS):** A communications protocol that is designed for sending text messages between mobile phones.

**Simple Mail Transfer Protocol (SMTP):** A member of the TCP/IP suite of protocols that is used to transport Internet messages, as described in [\[RFC5321\]](#).

**SOAP:** A lightweight protocol for exchanging structured information in a decentralized, distributed environment. **SOAP** uses XML technologies to define an extensible messaging framework, which provides a message construct that can be exchanged over a variety of underlying protocols. The framework has been designed to be independent of any particular programming model and other implementation-specific semantics. SOAP 1.2 supersedes SOAP 1.1. See [\[SOAP1.2-1/2003\]](#).

**SOAP action:** The HTTP request header field used to indicate the intent of the **SOAP** request, using a **URI** value. See [\[SOAP1.1\]](#) section 6.1.1 for more information.

**SOAP body:** A container for the payload data being delivered by a **SOAP message** to its recipient. See [\[SOAP1.2-1/2007\]](#) section 5.3 for more information.

**SOAP fault:** A container for error and status information within a **SOAP message**. See [\[SOAP1.2-1/2007\]](#) section 5.4 for more information.

**SOAP header:** A mechanism for implementing extensions to a **SOAP message** in a decentralized manner without prior agreement between the communicating parties. See [\[SOAP1.2-1/2007\]](#) section 5.2 for more information.

**SOAP message:** An XML document consisting of a mandatory SOAP envelope, an optional **SOAP header**, and a mandatory **SOAP body**. See [\[SOAP1.2-1/2007\]](#) section 5 for more information.

**Tasks folder:** A Folder object that contains Task objects.

**To recipient:** See primary recipient.

**Unified Messaging:** A set of components and services that enable voice, fax, and email messages to be stored in a user's **mailbox** and accessed from a variety of devices.

**Uniform Resource Identifier (URI):** A string that identifies a resource. The URI is an addressing mechanism defined in Internet Engineering Task Force (IETF) Uniform Resource Identifier (URI): Generic Syntax [\[RFC3986\]](#).

**Uniform Resource Locator (URL):** A string of characters in a standardized format that identifies a document or resource on the World Wide Web. The format is as specified in [\[RFC1738\]](#).

**user principal name (UPN):** A user account name (sometimes referred to as the user logon name) and a domain name that identifies the domain in which the user account is located. This is the standard usage for logging on to a Windows domain. The format is: someone@example.com (in the form of an email address). In Active Directory, the userPrincipalName attribute of the account object, as described in [\[MS-ADTS\]](#).

**web service:** A unit of application logic that provides data and services to other applications and can be called by using standard Internet transport protocols such as HTTP, **Simple Mail Transfer Protocol (SMTP)**, or File Transfer Protocol (FTP). Web services can perform functions that range from simple requests to complicated business processes.

**Web Services Description Language (WSDL):** An XML format for describing network services as a set of endpoints that operate on messages that contain either document-oriented or procedure-oriented information. The operations and messages are described abstractly and are bound to a concrete network protocol and message format in order to define an endpoint. Related concrete endpoints are combined into abstract endpoints, which describe a network service. WSDL is extensible, which allows the description of endpoints and their messages regardless of the message formats or network protocols that are used.

**XML namespace:** A collection of names that is used to identify elements, types, and attributes in XML documents identified in a URI reference [RFC3986]. A combination of XML namespace and local name allows XML documents to use elements, types, and attributes that have the same names but come from different sources. For more information, see [\[XMLNS-2ED\]](#).

**XML namespace prefix:** An abbreviated form of an **XML namespace**, as described in [\[XML\]](#).

**XML schema:** A description of a type of XML document that is typically expressed in terms of constraints on the structure and content of documents of that type, in addition to the basic syntax constraints that are imposed by XML itself. An XML schema provides a view of a document type at a relatively high level of abstraction.

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

## 1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the [Errata](#).

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information.

[MS-OXWSARCH] Microsoft Corporation, "[Archiving Web Service Protocol](#)".

[MS-OXWSATT] Microsoft Corporation, "[Attachment Handling Web Service Protocol](#)".

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

[MS-OXWSCEXT] Microsoft Corporation, "[Client Extension Web Service Protocol](#)".

[MS-OXWSCONT] Microsoft Corporation, "[Contacts Web Service Protocol](#)".

[MS-OXWSCONV] Microsoft Corporation, "[Conversations Web Service Protocol](#)".

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

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

[MS-OXWSDLGM] Microsoft Corporation, "[Delegate Access Management Web Service Protocol](#)".

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

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

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

[MS-OXWSGNI] Microsoft Corporation, "[Nonindexable Item Web Service Protocol](#)".

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

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

[MS-OXWSMSG] Microsoft Corporation, "[Email Message Types Web Service Protocol](#)".

[MS-OXWSMSHR] Microsoft Corporation, "[Folder Sharing Web Service Protocol](#)".

[MS-OXWSMTGS] Microsoft Corporation, "[Calendaring Web Service Protocol](#)".

[MS-OXWSMTRK] Microsoft Corporation, "[Message Tracking Web Service Protocol](#)".

[MS-OXWSNTIF] Microsoft Corporation, "[Notifications Web Service Protocol](#)".

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

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

[MS-OXWSPHOTO] Microsoft Corporation, "[Photo Web Service Protocol](#)".

[MS-OXWSPOST] Microsoft Corporation, "[Post Items Web Service Protocol](#)".

[MS-OXWSPSNTIF] Microsoft Corporation, "[Push Notifications Web Service Protocol](#)".

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

[MS-OXWSSRCH] Microsoft Corporation, "[Mailbox Search Web Service Protocol](#)".

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

[MS-OXWSTASK] Microsoft Corporation, "[Tasks Web Service Protocol](#)".

[MS-OXWSURPT] Microsoft Corporation, "[Retention Tag Web Service Protocol](#)".

[MS-OXWSUSRCFG] Microsoft Corporation, "[User Configuration Web Service Protocol](#)".

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

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[RFC3066] Alvestrand, H., "Tags for the Identification of Languages", BCP 47, RFC 3066, January 2001, <http://www.ietf.org/rfc/rfc3066.txt>

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

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

[XMLSCHEMA1] Thompson, H., Beech, D., Maloney, M., and Mendelsohn, N., Eds., "XML Schema Part 1: Structures", W3C Recommendation, May 2001, <https://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, <https://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

### 1.2.2 Informative References

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

## 1.3 Overview

The common **web service** data types are the global elements, types, groups, and attribute groups that are common across the web service protocols.

## 1.4 Relationship to Other Protocols

These data types are used by two or more **web service** protocols.

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

## 1.5 Prerequisites/Preconditions

None.

## 1.6 Applicability Statement

These data types are shared by two or more **web service** protocols.

## 1.7 Versioning and Capability Negotiation

None.

## 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

None.

### 2.2 Common Message Syntax

This section contains common definitions that are used by this protocol. The syntax of the definitions uses **XML schema**, as 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
<b>m</b>	<a href="http://schemas.microsoft.com/exchange/services/2006/messages">http://schemas.microsoft.com/exchange/services/2006/messages</a>	
<b>t</b>	<a href="http://schemas.microsoft.com/exchange/services/2006/types">http://schemas.microsoft.com/exchange/services/2006/types</a>	
<b>xs</b>	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	<a href="#">[XMLSCHEMA1]</a>
<b>tns</b>	<a href="http://schemas.microsoft.com/exchange/services/2006/messages">http://schemas.microsoft.com/exchange/services/2006/messages</a>	

#### 2.2.2 Messages

This specification does not define any common WSDL message definitions.

#### 2.2.3 Elements

##### 2.2.3.1 t:DateTimePrecision Element

The **DateTimePrecision** element specifies precision of **DateTime** values that are returned in responses. [<1>](#) This element is optional. This element is type **t:DateTimePrecisionType** simple type, as specified by section [2.2.5.3](#).

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

### 2.2.3.2 t:ExceptionFieldURI Element

The **ExceptionFieldURI** element specifies particular errors in a request. The type of the **ExceptionFieldURI** element is **t:PathToExceptionFieldType**, as specified in section [2.2.4.54](#).

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

### 2.2.3.3 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 [2.2.4.33](#).

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

### 2.2.3.4 t:FieldURI Element

The **FieldURI** element specifies frequently referenced properties by URI. The type of the **FieldURI** element is **t:PathToUnindexedFieldType**, as specified in section [2.2.4.56](#).

The full syntax for this element is:

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

### 2.2.3.5 t:IndexedFieldURI Element

The **IndexedFieldURI** element specifies individual members of a **dictionary**. The type of the **IndexedFieldURI** element is **t:PathToIndexedFieldType**, as specified in section [2.2.4.55](#).

The full syntax for this element is:

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

### 2.2.3.6 t:MailboxCulture Element

The **MailboxCulture** element specifies the culture to be used when opening a **mailbox**. The **MailboxCulture** element occurs in the **SOAP header**. The type of the **MailboxCulture** element is **t:MailboxCultureType**, as specified in section [2.2.4.44](#).

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

### 2.2.3.7 t:ManagementRole Element

The **ManagementRole** element specifies a **SOAP header** that contains roles used by the calling account. [2](#) This element is type **t:ManagementRoleType** complex type, as specified by [section 2.2.4.45](#).

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

### 2.2.3.8 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. The type of the **Path** element is **t:BasePathToElementType**, as specified in [section 2.2.4.16](#).

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

### 2.2.3.9 t:RequestServerVersion Element

The **RequestServerVersion** element specifies the versioning information that identifies the schema version to be targeted for a request. [3](#)

```
<xs:element name="t:RequestServerVersion">
  <xs:complexType>
    <xs:attribute name="Version"
      type="t:ExchangeVersionType"
      use="required"
      fixed="Exchange2016"
    />
    <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
<b>Version</b>	<b>t:ExchangeVersionType</b>	Specifies the target schema version.

### 2.2.3.10 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:complexType>
</xs:element>
```



```

<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	Description
<b>MajorVersion</b>	<b>xs:int</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the server's major version number.
<b>MinorVersion</b>	<b>xs:int</b>	Specifies the server's minor version number.
<b>MajorBuildNumber</b>	<b>xs:int</b>	Specifies the server's major build number.
<b>MinorBuildNumber</b>	<b>xs:int</b>	Specifies the server's minor build number.
<b>Version</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the server's version number including the major version number, minor version number, major build number, and minor build number in that order.

### 2.2.3.11 Value Element

The **Value** element specifies the value of an extended property. The **Value** element specifies the value of an extended property. The type of the **Value** element is **t:Value**, as specified in section [2.2.4.75](#).

```

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

```

## 2.2.4 Complex Types

### 2.2.4.1 t:AbsoluteMonthlyRecurrencePatternType Complex Type

The **AbsoluteMonthlyRecurrencePatternType** complex type specifies a monthly **recurrence pattern**. The **AbsoluteMonthlyRecurrencePatternType** complex type extends the **IntervalRecurrencePatternBaseType** complex type, as specified in section [2.2.4.41](#).

```
<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>
```

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

Element name	Type	Description
<b>DayOfMonth</b>	<b>xs:int</b> ( <a href="#">XMLSCHEMA2</a> )	Specifies the day of the month on which a recurring item occurs. This property <b>MUST</b> be present.

### 2.2.4.2 t:AbsoluteYearlyRecurrencePatternType Complex Type

The **AbsoluteYearlyRecurrencePatternType** complex type specifies a yearly **recurrence pattern**. The **AbsoluteYearlyRecurrencePatternType** complex type extends the **RecurrencePatternBaseType** complex type, as specified in section [2.2.4.59](#).

```
<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>
```

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

Element name	Type	Description
<b>DayOfMonth</b>	<b>xs:int</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the day of the month on which a yearly recurring item occurs. This property <b>MUST</b> be present.
<b>Month</b>	<b>t:MonthNamesType</b> (section <a href="#">2.2.5.19</a> )	Specifies the month in which a yearly recurring item occurs. This property <b>MUST</b> be present.

### 2.2.4.3 t:AcceptSharingInvitationType Complex Type

The **AcceptSharingInvitationType** complex type specifies a response object that is used to respond to a sharing invitation request. The **AcceptSharingInvitationType** complex type extends the **ReferenceItemResponseType** complex type ([\[MS-OXWSCORE\]](#) section 2.2.4.41).

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

### 2.2.4.4 m:ApplyConversationActionResponseMessageType Complex Type

The **ApplyConversationActionResponseMessageType** complex type specifies a response to an **ApplyConversationAction** operation ([\[MS-OXWSCONV\]](#) section 3.1.4.1). This type extends the **ResponseMessageType** complex type (section [2.2.4.66](#)).<4>

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

### 2.2.4.5 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>
```

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

Element name	Type	Description
<b>CalendarPermission</b>	<b>t:CalendarPermissionType</b> ( <a href="#">[MS-OXWSMTGS]</a> section 2.2.4.8)	Specifies the access that a <b>delegate</b> has to a calendar folder. This element <b>MUST</b> be present if calendar permissions are set on a calendar folder.

### 2.2.4.6 t:ArrayofDistinguishedFolderIdType Complex Type

The **ArrayofDistinguishedFolderIdType** complex type specifies an array of **DistinguishedFolderIdType** complex types (section [2.2.4.27](#)).[<5>](#)

```
<xs:complexType name="ArrayOfDistinguishedFolderIdType">
  <xs:choice minOccurs="0" maxOccurs="unbounded">
    <xs:element name="DistinguishedFolderId" type="t:DistinguishedFolderIdType"/>
  </xs:choice>
</xs:complexType>
```

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

Element name	Type	Description
<b>DistinguishedFolderId</b>	<b>t:DistinguishedFolderIdType</b> (section 2.2.4.27)	Specifies a distinguished folder identified by name.

### 2.2.4.7 t:ArrayOfEmailAddressesType Complex Type

The **ArrayOfEmailAddressesType** complex type specifies a list of email addresses in the **GetRoomLists** operation (as specified in [\[MS-OXWSGTRM\]](#) section 3.1.4.1) and **GetMessageTrackingReport** operation (as specified in [\[MS-OXWSMTRK\]](#) 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>
```

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

Element name	Type	Description
<b>Address</b>	<b>t:EmailAddressType</b> (section <a href="#">2.2.4.31</a> )	Specifies a single email address.

### 2.2.4.8 t:ArrayOfHighlightTermsType Complex Type

The **ArrayOfHighlightTermsType** complex type specifies an array of highlight terms. <6>

```
<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
<b>Term</b>	<b>t:HighlightTermType</b> (section <a href="#">2.2.4.39</a> )	Specifies a single highlighted term.

### 2.2.4.9 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>
```

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

Element name	Type	Description
<b>Permission</b>	<b>t:PermissionType</b> ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.15)	Specifies a single access permission that a <b>delegate</b> has to a folder. This element can occur zero or more times.

### 2.2.4.10 t:ArrayOfRealItemsType Complex Type

The **ArrayOfRealItemsType** complex type specifies an array of items that are returned by search operations, as specified in [\[MS-OXWSSRCH\]](#), and item operations, as specified in [\[MS-OXWSCORE\]](#). This complex type can contain zero or more elements that represent items.

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

```

        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="RoleMember"
      type="t:RoleMemberItemType"
    />
    <xs:element name="Network"
      type="t:NetworkItemType"
    />
    <xs:element name="Person"
      type="t:AbchPersonItemType"
    />
    <xs:element name="Booking"
      type="t:BookingItemType"
    />
    <xs:element name="XrmOrganization"
      type="t:XrmOrganizationItemType"
    />
  </xs:choice>
</xs:sequence>
</xs:complexType>

```

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

Element name	Type	Description
<b>Item</b>	<b>t:ItemType</b> ([MS-OXWSCORE] section 2.2.4.24)	Represents a generic item in the server store. All items of type <b>t:ItemType</b> SHOULD <a href="#">&lt;7&gt;</a> be returned as <b>Message</b> of a <b>t:MessageType</b> type.
<b>Message</b>	<b>t:MessageType</b> ([MS-OXWSMSG] section 2.2.4.3)	Specifies a message item or other item that is not represented by the <b>CalendarItem</b> , <b>Contact</b> , <b>DistributionList</b> , <b>MeetingMessage</b> , <b>MeetingRequest</b> , <b>MeetingResponse</b> ,

Element name	Type	Description
		<b>MeetingCancellation, Task, or PostItem</b> element.
<b>CalendarItem</b>	<b>t:CalendarItemType</b> ( <a href="#">[MS-OXWSMTGS]</a> section 2.2.4.6)	Specifies a calendar item.
<b>Contact</b>	<b>t:ContactItemType</b> ( <a href="#">[MS-OXWSCONT]</a> section 2.2.4.3)	Specifies a contact item.
<b>DistributionList</b>	<b>t:DistributionListType</b> ( <a href="#">[MS-OXWSDLIST]</a> section 2.2.4.1)	Specifies a <b>distribution list</b> item.
<b>MeetingMessage</b>	<b>t:MeetingMessageType</b> ([MS-OXWSMTGS] section 2.2.4.15)	Specifies a meeting message item.
<b>MeetingRequest</b>	<b>t:MeetingRequestMessageType</b> ([MS-OXWSMTGS] section 2.2.4.17)	Specifies a meeting request message item.
<b>MeetingResponse</b>	<b>t:MeetingResponseMessageType</b> ([MS-OXWSMTGS] section 2.2.4.18)	Specifies a meeting response message item.
<b>MeetingCancellation</b>	<b>t:MeetingCancellationMessageType</b> ([MS-OXWSMTGS] section 2.2.4.14)	Specifies a meeting cancellation message item.
<b>Task</b>	<b>t:TaskType</b> ( <a href="#">[MS-OXWSTASK]</a> section 2.2.4.6)	Specifies a task item.
<b>PostItem</b>	<b>t:PostItemType</b> ( <a href="#">[MS-OXWSPOST]</a> section 2.2.4.1)	Specifies a post item.
<b>RoleMember</b>	<b>t:RoleMemberItemType</b> ([MS-OXWSCORE] section 2.2.4.43)	For internal use only. <a href="#">&lt;8&gt;</a>
<b>Network</b>	<b>t:NetworkItemType</b> ([MS-OXWSCORE] section 2.2.4.30)	For internal use only. <a href="#">&lt;9&gt;</a>
<b>Person</b>	<b>t:AbchPersonItemType</b> ([MS-OXWSCONT] section 2.2.4.1)	Specifies a person. <a href="#">&lt;10&gt;</a>
<b>Booking</b>	<b>t:BookingItemType</b> (section <a href="#">2.2.4.20</a> )	For internal use only. <a href="#">&lt;11&gt;</a>
<b>XrmOrganization</b>	<b>t:XrmOrganizationItemType</b> (section <a href="#">2.2.4.78</a> )	For internal use only. <a href="#">&lt;12&gt;</a>

### 2.2.4.11 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>
```

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

Element name	Type	Description
<b>Mailbox</b>	<b>t:EmailAddressType</b> (section <a href="#">2.2.4.31</a> )	Specifies a single item recipient by e-mail address.

### 2.2.4.12 m:ArrayOfResponseMessagesType Complex Type

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"
    />
    <xs:element name="DeleteItemResponseMessage"
      type="m:DeleteItemResponseMessageType"
    />
    <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:choice>
</xs:complexType>
```



```

<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="GetAppManifestsResponseMessage" type="m:ResponseMessageType" />
<xs:element name="GetClientExtensionResponseMessage"
  type="m:ResponseMessageType" />
<xs:element name="SetClientExtensionResponseMessage"
  type="m:ResponseMessageType" />
<xs:element name="GetOMEConfigurationResponseMessage" type="m:ResponseMessageType" />
<xs:element name="SetOMEConfigurationResponseMessage" type="m:ResponseMessageType" />
<xs:element name="FindItemResponseMessage"
  type="m:FindItemResponseMessageType"
  />
<xs:element name="MoveItemResponseMessage"
  type="m:ItemInfoResponseMessageType"
  />
<xs:element name="ArchiveItemResponseMessage" 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="GetChannelEventsResponseMessage"
  type="m:GetChannelEventsResponseMessageType"
  />
<xs:element name="ChannelSubscribeResponseMessage"
  type="m:ChannelSubscribeResponseMessageType"
  />
<xs:element name="ChannelUnsubscribeResponseMessage"
  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:ApplyConversationActionResponseMessageType"/>
<xs:element name="GetSearchableMailboxesResponseMessage"
  type="m:GetSearchableMailboxesResponseMessageType"/>
<xs:element name="SearchMailboxesResponseMessage"
  type="m:SearchMailboxesResponseMessageType"/>
<xs:element name="GetDiscoverySearchConfigurationResponseMessage"
  type="m:GetDiscoverySearchConfigurationResponseMessageType"/>
<xs:element name="GetHoldOnMailboxesResponseMessage"
  type="m:GetHoldOnMailboxesResponseMessageType"/>
<xs:element name="SetHoldOnMailboxesResponseMessage"
  type="m:SetHoldOnMailboxesResponseMessageType"/>
<xs:element name="GetNonIndexableItemStatisticsResponseMessage"
  type="m:GetNonIndexableItemStatisticsResponseMessageType"/>
  <!-- GetNonIndexableItemDetails response -->
  <xs:element name="GetNonIndexableItemDetailsResponseMessage"
  type="m:GetNonIndexableItemDetailsResponseMessageType"/>
  <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:element name="MarkAsJunkResponseMessage" type="m:MarkAsJunkResponseMessageType"/>

```

```

    <xs:element name="UpdateMailboxAssociationResponseMessage"
type="m:ResponseMessageType"/>
    <xs:element name="UpdateGroupMailboxResponseMessage" type="m:ResponseMessageType"/>
    <xs:element name="PostModernGroupItemResponseMessage" type="m:ResponseMessageType"/>
    <xs:element name="LikeItemResponseMessage" type="m:ResponseMessageType"/>
    <xs:element name="GetUnifiedGroupUnseenDataResponseMessage"
type="m:GetUnifiedGroupUnseenDataResponseMessageType"/>
  </xs:choice>
</xs:complexType>

```

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

Element name	Type	Description
<b>CreateItemResponseMessage</b>	<b>m:ItemInfoResponseMessageType</b> (section <a href="#">2.2.4.42</a> )	Specifies the response message for the <b>CreateItem</b> operation ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.2).
<b>DeleteItemResponseMessage</b>	<b>m&gt;DeleteItemResponseMessageType</b> (section <a href="#">2.2.4.26</a> )	Specifies the response message for the <b>DeleteItem</b> operation ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.3).
<b>GetItemResponseMessage</b>	<b>m:ItemInfoResponseMessageType</b> (section <a href="#">2.2.4.42</a> )	Specifies the response message for the <b>GetItem</b> operation ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.4).
<b>UpdateItemResponseMessage</b>	<b>m:UpdateItemResponseMessageType</b> ( <a href="#">[MS-OXWSCORE]</a> section 2.2.4.4)	Specifies the response message for the <b>UpdateItem</b> operation ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.9).
<b>UpdateItemInRecoverableItemsResponseMessage</b>	<b>m:UpdateItemInRecoverableItemsResponseMessageType</b> ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.10.3.3)	Specifies the response message for the <b>UpdateItemInRecoverableItems</b> ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.10) operation. <a href="#">&lt;13&gt;</a>
<b>SendItemResponseMessage</b>	<b>m:ResponseMessageType</b> (section <a href="#">2.2.4.66</a> )	Specifies the response message for the <b>SendItem</b> operation ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.8).
<b>DeleteFolderResponseMessage</b>	<b>m:ResponseMessageType</b> (section <a href="#">2.2.4.66</a> )	Specifies the response message for the <b>DeleteFolder</b> operation ( <a href="#">[MS-OXWSFOLD]</a> section 3.1.4.4).
<b>EmptyFolderResponseMessage</b>	<b>m:ResponseMessageType</b> (section <a href="#">2.2.4.66</a> )	Specifies the response message for the <b>EmptyFolder</b> ( <a href="#">[MS-OXWSFOLD]</a> section

Element name	Type	Description
		3.1.4.5) operation. <14>
<b>CreateFolderResponseMessage</b>	<b>m:FolderInfoResponseMessageType</b> ([MS-OXWSFOLD] section 2.2.4.11)	Specifies the response message for the <b>CreateFolder</b> operation ([MS-OXWSFOLD] section 3.1.4.2).
<b>GetFolderResponseMessage</b>	<b>m:FolderInfoResponseMessageType</b>	Specifies the response message for the <b>GetFolder</b> operation ([MS-OXWSFOLD] section 3.1.4.6).
<b>FindFolderResponseMessage</b>	<b>m:FindFolderResponseMessageType</b> ([MS-OXWSSRCH] section 2.2.4.11)	Specifies the response message for the <b>FindFolder</b> operation ([MS-OXWSSRCH] section 3.1.4.1).
<b>UpdateFolderResponseMessage</b>	<b>m:FolderInfoResponseMessageType</b>	Specifies the response message for the <b>UpdateFolder</b> operation ([MS-OXWSFOLD] section 3.1.4.8).
<b>MoveFolderResponseMessage</b>	<b>m:FolderInfoResponseMessageType</b>	Specifies the response message for the <b>MoveFolder</b> operation ([MS-OXWSFOLD] section 3.1.4.7).
<b>CopyFolderResponseMessage</b>	<b>m:FolderInfoResponseMessageType</b>	Specifies the response message for the <b>CopyFolder</b> operation ([MS-OXWSFOLD] section 3.1.4.1).
<b>CreateFolderPathResponseMessage</b>	<b>m:FolderInfoResponseMessageType</b>	Specifies the response message for the <b>CreateFolderPath</b> ([MS-OXWSARCH] section 3.1.4.2) operation. <15>
<b>CreateAttachmentResponseMessage</b>	<b>m:AttachmentInfoResponseMessageType</b> ([MS-OXWSATT] section 2.2.4.3)	Specifies the response message for the <b>CreateAttachment</b> operation ([MS-OXWSATT] section 3.1.4.1).
<b>DeleteAttachmentResponseMessage</b>	<b>m&gt;DeleteAttachmentResponseMessageType</b> ([MS-OXWSATT] section 3.1.4.2.3.1)	Specifies the response message for the <b>DeleteAttachment</b> operation ([MS-OXWSATT] section 3.1.4.2).

Element name	Type	Description
<b>GetAttachmentResponseMessage</b>	<b>m:AttachmentInfoResponseMessageType</b>	Specifies the response message for the <b>GetAttachment</b> operation ([MS-OXWSATT] section 3.1.4.3).
<b>UploadItemsResponseMessage</b>	<b>m:UploadItemsResponseMessageType</b> ([MS-OXWSBTRF] section 3.1.4.2.3.2)	Specifies the response message for the <b>UploadItems</b> operation ([MS-OXWSBTRF] section 3.1.4.2).<16>
<b>ExportItemsResponseMessage</b>	<b>m:ExportItemsResponseMessageType</b> ([MS-OXWSBTRF] section 3.1.4.1.3.1)	Specifies the response message for the <b>ExportItems</b> operation ([MS-OXWSBTRF] section 3.1.4.1).<17>
<b>MarkAllItemsAsReadResponseMessage</b>	<b>m:ResponseMessageType</b>	Specifies the response message for the <b>MarkAllItemsAsRead</b> operation ([MS-OXWSCORE] section 3.1.4.5.1).<18>
<b>GetClientAccessTokenResponseMessage</b>	<b>m:GetClientAccessTokenResponseMessageType</b> ([MS-OXWSCEXT] section 3.1.4.4.3.4)	Specifies the response message for the <b>GetClientAccessToken</b> ([MS-OXWSCEXT] section 3.1.4.4) operation.<19>
<b>GetAppManifestsResponseMessage</b>	<b>m:ResponseMessageType</b> (section 2.2.4.66)	Specifies the response message for the <b>GetAppManifests</b> operation ([MS-OXWSCEXT] section 3.1.4.2)
<b>GetClientExtensionResponseMessage</b>	<b>m:ResponseMessageType</b>	Specifies the response message for the <b>GetClientExtension</b> request.<20>
<b>SetClientExtensionResponseMessage</b>	<b>m:ResponseMessageType</b>	Intended for internal use only.<21>
<b>GetOMEConfigurationResponseMessage</b>	<b>m:ResponseMessageType</b>	Intended for internal use only.<22>
<b>SetOMEConfigurationResponseMessage</b>	<b>m:ResponseMessageType</b>	Intended for internal use only.<23>
<b>FindItemResponseMessage</b>	<b>m:FindItemResponseMessageType</b> ([MS-OXWSSRCH] section 2.2.4.13)	Specifies the response message for the <b>FindItem</b> operation ([MS-OXWSSRCH] section 3.1.4.2).
<b>MoveItemResponseMessage</b>	<b>m:ItemInfoResponseMessageType</b> (section 2.2.4.42)	Specifies the response message for the <b>MoveItem</b> operation

Element name	Type	Description
		([MS-OXWSCORE] section 3.1.4.7).
<b>ArchiveItemResponseMessage</b>	<b>m:ItemInfoResponseMessageType</b>	Specifies the response message for the <b>ArchiveItem</b> ([MS-OXWSARCH] section 3.1.4.1) operation. <24>
<b>CopyItemResponseMessage</b>	<b>m:ItemInfoResponseMessageType</b>	Specifies the response message for the <b>CopyItem</b> operation ([MS-OXWSCORE] section 3.1.4.1).
<b>ResolveNamesResponseMessage</b>	<b>m:ResolveNamesResponseMessageType</b> ([MS-OXWSRSLNM] section 3.1.4.1.3.3)	Specifies the response message for the <b>ResolveNames</b> operation ([MS-OXWSRSLNM] section 3.1.4.1).
<b>ExpandDLResponseMessage</b>	<b>m:ExpandDLResponseMessageType</b> ([MS-OXWSDLIST] section 3.1.4.1.1.1)	Specifies the response message for the <b>ExpandDL</b> operation ([MS-OXWSDLIST] section 3.1.4.1).
<b>GetServerTimeZonesResponseMessage</b>	<b>m:GetServerTimeZonesResponseMessageType</b> ([MS-OXWSGTZ] section 3.1.4.1.3.1)	Specifies the response message for the <b>GetServerTimeZones</b> operation ([MS-OXWSGTZ] section 3.1.4.1).
<b>GetEventsResponseMessage</b>	<b>m:GetEventsResponseMessageType</b> ([MS-OXWSNTIF] section 2.2.4.1)	Specifies the response message for the <b>GetEvents</b> operation ([MS-OXWSNTIF] section 3.1.4.1).
<b>GetStreamingEventsResponseMessage</b>	<b>m:GetStreamingEventsResponseMessageType</b> ([MS-OXWSNTIF] section 2.2.4.2)	Specifies the response message for the <b>GetStreamingEvents</b> operation ([MS-OXWSNTIF] section 3.1.4.2). <25>
<b>SubscribeResponseMessage</b>	<b>m:SubscribeResponseMessageType</b> ([MS-OXWSNTIF] section 2.2.4.3)	Specifies the response message for the <b>Subscribe</b> operation ([MS-OXWSNTIF] section 3.1.4.3).
<b>UnsubscribeResponseMessage</b>	<b>m:ResponseMessageType</b>	Specifies the response message for the <b>Unsubscribe</b> operation ([MS-OXWSNTIF] section 3.1.4.4).
<b>SendNotificationResponseMessage</b>	<b>m:SendNotificationResponseMessageType</b> ([MS-OXWSPSNTIF] section 3.1.4.1.3.1)	Specifies the response message for the <b>SendNotification</b>

Element name	Type	Description
		operation ([MS-OXWSPSNTIF] section 3.1.4.1).
<b>SyncFolderHierarchyResponseMessage</b>	<b>m:SyncFolderHierarchyResponseMessageType</b> ([MS-OXWSSYNC] section 3.1.4.1.3.4)	Specifies the response message for the <b>SyncFolderHierarchy</b> operation ([MS-OXWSSYNC] section 3.1.4.1).
<b>SyncFolderItemsResponseMessage</b>	<b>m:SyncFolderItemsResponseMessageType</b> ([MS-OXWSSYNC] section 3.1.4.2.3.6)	Specifies the response message for the <b>SyncFolderItems</b> operation ([MS-OXWSSYNC] section 3.1.4.2).
<b>CreateManagedFolderResponseMessage</b>	<b>m:FolderInfoResponseMessageType</b>	Specifies the response message for the <b>CreateManagedFolder</b> operation ([MS-OXWSFOLD] section 3.1.4.3).
<b>ConvertIdResponseMessage</b>	<b>m:ConvertIdResponseMessageType</b> ([MS-OXWSCVTID] section 3.1.4.1.3.1)	Specifies the response message for the <b>ConvertId</b> operation ([MS-OXWSCVTID] section 3.1.4.1).
<b>GetSharingMetadataResponseMessage</b>	<b>m:GetSharingMetadataResponseMessageType</b> ([MS-OXWSMSHR] section 2.2.4.2)	Specifies the response message for the <b>GetSharingMetadata</b> operation ([MS-OXWSMSHR] section 3.1.4.4).
<b>RefreshSharingFolderResponseMessage</b>	<b>m:RefreshSharingFolderResponseMessageType</b> ([MS-OXWSMSHR] section 2.2.4.3)	Specifies the response message for the <b>RefreshSharingFolder</b> operation ([MS-OXWSMSHR] section 3.1.4.5).
<b>GetSharingFolderResponseMessage</b>	<b>m:GetSharingFolderResponseMessageType</b> ([MS-OXWSMSHR] section 2.2.4.1)	Specifies the response message for the <b>GetSharingFolder</b> operation ([MS-OXWSMSHR] section 3.1.4.3).
<b>CreateUserConfigurationResponseMessage</b>	<b>m:ResponseMessageType</b>	Specifies the response message for the <b>CreateUserConfiguration</b> operation ([MS-OXWSUSRCFG] section 3.1.4.1).
<b>DeleteUserConfigurationResponseMessage</b>	<b>m:ResponseMessageType</b>	Specifies the response message for the <b>DeleteUserConfiguration</b> operation ([MS-

Element name	Type	Description
		OXWSUSRCFG] section 3.1.4.2).
<b>GetUserConfigurationResponseMessage</b>	<b>m:GetUserConfigurationResponseMessageType</b> ([MS-OXWSUSRCFG] section 3.1.4.3.3.1)	Specifies the response message for the <b>GetUserConfiguration</b> operation ([MS-OXWSUSRCFG] section 3.1.4.3).
<b>UpdateUserConfigurationResponseMessage</b>	<b>m:ResponseMessageType</b>	Specifies the response message for the <b>UpdateUserConfiguration</b> operation ([MS-OXWSUSRCFG] section 3.1.4.4).
<b>GetRoomListsResponse</b>	<b>m:GetRoomListsResponseMessageType</b> ( <a href="#">[MS-OXWSGTRM]</a> section 3.1.4.1.3.1)	Specifies the response message for the <b>GetRoomLists</b> operation ([MS-OXWSGTRM] section 3.1.4.1).
<b>GetRoomsResponse</b>	<b>m:GetRoomsResponseMessageType</b> ([MS-OXWSGTRM] section 3.1.4.2.3.1)	Specifies the response message for the <b>GetRooms</b> operation ([MS-OXWSGTRM] section 3.1.4.2).
<b>GetRemindersResponse</b>	<b>m:GetRemindersResponseMessageType</b> ( <a href="#">[MS-OXWSMTGS]</a> section 3.1.4.5.3.1)	Specifies the response message for the <b>GetReminders</b> operation. <a href="#">&lt;26&gt;</a>
<b>PerformReminderActionResponse</b>	<b>m:PerformReminderActionResponseMessageType</b> ([MS-OXWSMTGS] section 3.1.4.7.3.1)	Specifies the response message for the <b>PerformReminderAction</b> operation. <a href="#">&lt;27&gt;</a>
<b>ApplyConversationActionResponseMessage</b>	<b>m:ApplyConversationActionResponseMessageType</b> (section <a href="#">2.2.4.4</a> )	Specifies the response message for the <b>ApplyConversationAction</b> operation ( <a href="#">[MS-OXWSCONV]</a> section 3.1.4.1). <a href="#">&lt;28&gt;</a>
<b>GetSearchableMailboxesResponseMessage</b>	<b>m:GetSearchableMailboxesResponseMessageType</b> ( <a href="#">[MS-OXWSEDISC]</a> section 3.1.4.3.3.2)	Specifies the response message for the <b>GetSearchableMailboxes</b> operation ([MS-OXWSEDISC] section 3.1.4.3). <a href="#">&lt;29&gt;</a>
<b>SearchMailboxesResponseMessage</b>	<b>m:SearchMailboxesResponseMessageType</b> ([MS-OXWSEDISC] section 3.1.4.4.3.9)	Specifies the response message for the <b>SearchMailboxes</b> operation ([MS-OXWSEDISC] section 3.1.4.4). <a href="#">&lt;30&gt;</a>
<b>GetDiscoverySearchConfigurationResponseMessage</b>	<b>m:GetDiscoverySearchConfigurationResponseMessageType</b> ([MS-OXWSEDISC])	Specifies the response message for the



Element name	Type	Description
	section 3.1.4.1.3.2)	<b>GetDiscoverySearchConfiguration</b> operation ([MS-OXWSEDISC] section 3.1.4.1.2.1). <31>
<b>GetHoldOnMailboxesResponseMessage</b>	<b>m:GetHoldOnMailboxesResponseMessageType</b> ([MS-OXWSEDISC] section 3.1.4.2.3.2)	Specifies the response message for the <b>PerformReminderAction</b> operation. <32>
<b>SetHoldOnMailboxesResponseMessage</b>	<b>m:SetHoldOnMailboxesResponseMessageType</b> ([MS-OXWSEDISC] section 3.1.4.5.3.2)	Specifies the response message for the <b>PerformReminderAction</b> operation. <33>
<b>GetNonIndexableItemStatisticsResponseMessage</b>	<b>m:GetNonIndexableItemStatisticsResponseMessageType</b> ([MS-OXWSGNI] section 3.1.4.2.3.2)	Specifies the response message for the <b>GetNonIndexableItemStatistics</b> operation ([MS-OXWSGNI] section 3.1.4.2). <34>
<b>GetNonIndexableItemDetailsResponseMessage</b>	<b>m:GetNonIndexableItemDetailsResponseMessageType</b> ([MS-OXWSGNI] section 3.1.4.1.3.2)	Specifies the response message for the <b>GetNonIndexableItemDetails</b> operation ([MS-OXWSGNI] section 3.1.4.1.2.1). <35>
<b>FindPeopleResponseMessage</b>	<b>m:FindPeopleResponseMessageType</b> ([MS-OXWSPERS] section 3.1.4.1.3.3)	Specifies the response message for the <b>PerformReminderAction</b> operation. <36>
<b>GetPasswordExpirationDateResponse</b>	<b>m:GetPasswordExpirationDateResponseMessageType</b> ([MS-OXWSPED] section 3.1.4.1.3.2)	Specifies the response message for the <b>GetPasswordExpirationDate</b> operation ([MS-OXWSPED] section 3.1.4.1). <37>
<b>GetPersonaResponseMessage</b>	<b>m:GetPersonaResponseMessageType</b> ([MS-OXWSPERS] section 3.1.4.2.3.2)	Specifies the response message for the <b>GetPersona</b> operation ([MS-OXWSPERS] section 3.1.4.2). <38>
<b>GetConversationItemsResponseMessage</b>	<b>m:GetConversationItemsResponseMessageType</b> ([MS-OXWSCONV] section 3.1.4.3.3.6)	Specifies the response message for the <b>GetConversationItems</b> operation ([MS-OXWSCONV] section 3.1.4.3). <39>
<b>GetUserRetentionPolicyTagsResponseMessage</b>	<b>m:GetUserRetentionPolicyTagsResponseMessageType</b> ([MS-OXWSURPT] section 3.1.4.1.3.2)	Specifies the response message for the <b>GetUserRetentionPolicyTags</b> operation ([MS-OXWSURPT] section 3.1.4.1). <40>
<b>GetUserPhotoResponseMessage</b>	<b>m:GetUserPhotoResponseMessageType</b>	Specifies the response

Element name	Type	Description
	( <a href="#">[MS-OXWSCONT]</a> section 3.1.4.7.3.2)	message for the <b>GetUserPhoto</b> operation ( <a href="#">[MS-OXWSPHOTO]</a> section 3.2.5.1). <a href="#">&lt;41&gt;</a>
<b>MarkAsJunkResponseMessage</b>	<b>m:MarkAsJunkResponseMessageType</b> ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.6.3.3)	Specifies the response message for the <b>MarkAsJunk</b> operation ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.6).
<b>UpdateMailboxAssociationResponseMessage</b>	<b>m:ResponseMessageType</b>	Intended for internal use only. <a href="#">&lt;42&gt;</a>
<b>UpdateGroupMailboxResponseMessage</b>	<b>m:ResponseMessageType</b>	Intended for internal use only. <a href="#">&lt;43&gt;</a>
<b>PostModernGroupItemResponseMessage</b>	<b>m:ResponseMessageType</b>	Intended for internal use only. <a href="#">&lt;44&gt;</a>
<b>LikeItemResponseMessage</b>	<b>m:ResponseMessageType</b>	Intended for internal use only. <a href="#">&lt;45&gt;</a>
<b>GetUnifiedGroupUnseenDataResponseMessage</b>	<b>m:GetUnifiedGroupUnseenDataResponseMessageType</b> (section <a href="#">2.2.4.38</a> )	Intended for internal use only. <a href="#">&lt;46&gt;</a>

### 2.2.4.13 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>
```

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

Element name	Type	Description
<b>String</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies a single string of data.

### 2.2.4.14 t:BaseEmailAddressType Complex Type

The **BaseEmailAddressType** complex type specifies the base type for the **t:EmailAddressType** type (section [2.2.4.31](#)).

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

#### 2.2.4.15 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"
/>
```

#### 2.2.4.16 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"
/>
```

#### 2.2.4.17 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"
/>
```

#### 2.2.4.18 m:BaseResponseMessageType Complex Type

The **BaseResponseMessageType** complex type specifies the base response message for responses.

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

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

Element name	Type	Description
<b>ResponseMessages</b>	<b>m:ArrayOfResponseMessagesType</b>	Specifies an array of response messages. There MUST be only one

Element name	Type	Description
	(section <a href="#">2.2.4.12</a> )	<b>ResponseMessages</b> element in a response.

#### 2.2.4.19 t:BodyType Complex Type

The **BodyType** complex type specifies the body of an item. The **BodyType** simple type extends the `xs:string` data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<xs:complexType name="BodyType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="BodyType" type="t:BodyTypeType" use="required"/>
      <xs:attribute name="IsTruncated" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

#### Attributes

Name	Type	Description
<b>BodyType</b>	<b>t:BodyTypeType</b> (section <a href="#">2.2.5.2</a> )	Specifies the format of the body.
<b>IsTruncated</b>	<b>xs:boolean</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies whether the body is truncated. <a href="#">&lt;47&gt;</a>

#### 2.2.4.20 t:BookingItemType Complex Type

The **BookingItemType** complex type is intended for internal use only. [<48>](#)

```
<xs:complexType name="BookingItemType">
  <xs:complexContent>
    <xs:extension base="t:CalendarItemType">
      <xs:sequence>
        <xs:element name="ServiceId" type="t:GuidType" minOccurs="0"/>
        <xs:element name="StaffIds" type="t:ArrayOfItemIdsType" minOccurs="0"/>
        <xs:element name="CustomerId" type="t:ItemIdType" minOccurs="0"/>
        <xs:element name="CustomerName" type="xs:string" minOccurs="0"/>
        <xs:element name="CustomerEmail" type="xs:string" minOccurs="0"/>
        <xs:element name="CustomerPhone" type="xs:string" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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

Element name	Type	Description
<b>ServiceId</b>	<b>t:GuidType</b> ( <a href="#">[MS-OXWSXPROPI]</a> section 2.1.7)	For internal use only.

Element name	Type	Description
<b>StaffIds</b>	<b>t:ArrayOfItemIdsType</b> ([MS-OXWSCORE] section 2.2.4.8)	For internal use only
<b>CustomerId</b>	<b>t:ItemIdType</b> ([MS-OXWSCORE] section 2.2.4.25)	For internal use only
<b>CustomerName</b>	<b>xs:string</b> ([XMLSCHEMA2] )	For internal use only
<b>CustomerEmail</b>	<b>xs:string</b> ()	For internal use only
<b>CustomerPhone</b>	<b>xs:string</b> ()	For internal use only

### 2.2.4.21 t:ChangeHighlightsType Complex Type

The **ChangeHighlightsType** complex type specifies the changes made to a meeting when a meeting update occurs. <49>

```
<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
<b>HasLocationChanged</b>	<b>xs:boolean</b> ([XMLSCHEMA2])	Specifies whether the meeting location has changed.
<b>Location</b>	<b>xs:string</b> ([XMLSCHEMA2])	Specifies the meeting location.
<b>HasStartTimeChanged</b>	<b>xs:boolean</b>	Specifies whether the meeting start time has changed.
<b>Start</b>	<b>xs:dateTime</b> ([XMLSCHEMA2])	Specifies the meeting start time.
<b>HasEndTimeChanged</b>	<b>xs:boolean</b>	Specifies whether the meeting end time has changed.
<b>End</b>	<b>xs:dateTime</b>	Specifies the meeting end time.

### 2.2.4.22 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:PrincipalNameType"
  />
<xs:element name="SID"
  type="t:SIDType"
  />
<xs:element name="PrimarySmtpAddress"
  type="t:PrimarySmtpAddressType"
  />
<xs:element name="SmtpAddress"
  type="t:SmtpAddressType"
  />
</xs:choice>
</xs:complexType>

```

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

Element name	Type	Description
<b>PrincipalName</b>	<b>t:PrincipalNameType</b> (section <a href="#">2.2.4.58</a> )	Specifies the <b>user principal name (UPN)</b> for the account to use for impersonation.
<b>SID</b>	<b>t:SIDType</b> (section <a href="#">2.2.4.69</a> )	Specifies the security descriptor definition language (SDDL) form of the <b>security identifier (SID)</b> for the account to be used for impersonation.
<b>PrimarySmtpAddress</b>	<b>t:PrimarySmtpAddressType</b> (section <a href="#">2.2.4.57</a> )	Specifies the primary <b>SMTP</b> address of the account to be used for impersonation.
<b>SmtpAddress</b>	<b>t:SmtpAddressType</b> (section <a href="#">2.2.4.71</a> )	Specifies an SMTP address of the account to be used for impersonation.

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

### 2.2.4.23 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	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the value to be compared in a restriction.

#### 2.2.4.24 t:DailyRecurrencePatternType Complex Type

The **DailyRecurrencePatternType** complex type specifies the interval, in days, at which a calendar item or a task recurs. The **DailyRecurrencePatternType** complex type extends the **IntervalRecurrencePatternBaseType** complex type, as specified in section [2.2.4.41](#).

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

#### 2.2.4.25 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>
```

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

Element name	Type	Description
<b>Start</b>	<b>xs:dateTime</b> ( <a href="#">XMLSCHEMA21</a> )	Specifies the start time of a deleted occurrence of a recurring calendar item.

#### 2.2.4.26 m>DeleteItemResponseType Complex Type

The **DeleteItemResponseType** complex type specifies a response to a **DeleteItem** operation ([\[MS-OXWSCORE\]](#) section 3.1.4.3). [<50>](#) This type extends the **ResponseType** complex type (section [2.2.4.66](#)).

```
<xs:complexType name="DeleteItemResponseType">
  <xs:complexContent>
    <xs:extension base="m:ResponseType"/>
  </xs:complexContent>
</xs:complexType>
```

#### 2.2.4.27 t:DistinguishedFolderIdType Complex Type

The **DistinguishedFolderIdType** complex type specifies a distinguished folder identified by name. The **DistinguishedFolderIdType** complex type extends the **BaseFolderIdType** complex type ([\[MS-OXWSFOLD\]](#) section 2.2.4.4).

```

<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>

```

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

Element name	Type	Description
<b>Mailbox</b>	<b>t:EmailAddressType</b> (section <a href="#">2.2.4.31</a> )	Specifies the primary SMTP address of a principal for a <b>delegate</b> access scenario. This element <b>MUST</b> be present to initiate delegate access.

#### Attributes

Name	Type	Description
Id	<b>t:DistinguishedFolderIdNameType</b> (section <a href="#">2.2.5.10</a> )	Specifies the identifier of a distinguished folder. This attribute <b>MUST</b> be present.
ChangeKey	<b>xs:string</b> ( <a href="#">XMLSCHEMA2</a> )	Specifies the change key of a distinguished folder. The maximum length for this attribute is 512 bytes after <b>base64</b> decoding.

### 2.2.4.28 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>

```



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

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

Element name	Type	Description
<b>StartTime</b>	<b>xs:dateTime</b> ( <a href="#">XMLSCHEMA2</a> )	Specifies the start of a time period. This element <b>MUST</b> be present.
<b>EndTime</b>	<b>xs:dateTime</b>	Specifies the end of a time period. This element <b>MUST</b> 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)**.

### 2.2.4.29 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" minOccurs="0" maxOccurs="1"
    />
  </xs:sequence>
</xs:complexType>
```

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

Element name	Type	Description
<b>CreateAssociated</b>	<b>xs:boolean</b> ( <a href="#">XMLSCHEMA2</a> )	Specifies whether a client can create an associated contents table.
<b>CreateContents</b>	<b>xs:boolean</b>	Specifies whether a client can create a contents table.
<b>CreateHierarchy</b>	<b>xs:boolean</b>	Specifies whether a client can create a hierarchy table.

Element name	Type	Description
<b>Delete</b>	<b>xs:boolean</b>	Specifies whether a client can delete a folder or item.
<b>Modify</b>	<b>xs:boolean</b>	Specifies whether a client can modify a folder or item.
<b>Read</b>	<b>xs:boolean</b>	Specifies whether a client can read an item.
<b>ViewPrivateItems</b>	<b>xs:boolean</b>	Specifies whether a client can read private items. <a href="#">&lt;51&gt;</a>

### 2.2.4.30 t:EmailAddress Complex Type

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>
```

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

Element	Type	Definition
<b>Name</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Represents the name of the attendee. This element is optional.
<b>Address</b>	<b>xs:string</b>	Represents the e-mail address of the attendee. This element <b>MUST</b> be present and <b>MUST</b> be a <b>Simple Mail Transfer Protocol (SMTP)</b> address.
<b>RoutingType</b>	<b>xs:string</b>	Represents the routing protocol for the e-mail address. This element is optional.

### 2.2.4.31 t:EmailAddressType Complex Type

The **EmailAddressType** complex type specifies an email address. The **EmailAddressType** complex type extends the **BaseEmailAddressType** complex type, as specified in section [2.2.4.14](#).

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

```

<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:element name="OriginalDisplayName"
  type="xs:string"
  minOccurs="0"/>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

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

Element name	Type	Description
<b>Name</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the name of the <b>mailbox</b> that is associated with the e-mail address that is specified in the <b>EmailAddress</b> element.
<b>EmailAddress</b>	<b>t:NonEmptyStringType</b> (section <a href="#">2.2.5.20</a> )	Specifies an e-mail address.
<b>RoutingType</b>	<b>t:NonEmptyStringType</b>	Specifies the type of routing for the e-mail address that is specified in the <b>EmailAddress</b> element.
<b>MailboxType</b>	<b>t:MailboxTypeType</b> (section <a href="#">2.2.5.18</a> )	Specifies the type of mailbox that is represented by the <b>EmailAddressType</b> complex type (section <a href="#">2.2.4.31</a> ). <a href="#">&lt;52&gt;</a>
<b>ItemId</b>	<b>t:ItemIdType</b> ( <a href="#">[MS-OXWSCORE]</a> section <a href="#">2.2.4.25</a> )	Specifies the item identifier for the e-mail address that is represented by the <b>EmailAddressType</b> complex type.
<b>OriginalDisplayName</b>	<b>xs:string</b>	Specifies the original display name for this address.

### 2.2.4.32 t:EndDateRecurrenceRangeType Complex Type

The **EndDateRecurrenceRangeType** complex type specifies the start date and end date of an item **recurrence pattern**. The **EndDateRecurrenceRangeType** complex type extends the **RecurrenceRangeBaseType** complex type, as specified in section [2.2.4.60](#).

```

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

```

```

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

```

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

Element name	Type	Description
<b>EndDate</b>	<b>xs:date</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the end date of a recurrence pattern.

### 2.2.4.33 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>

```

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

Element name	Type	Description
<b>ConnectingSID</b>	<b>t:ConnectingSIDType</b> (section <a href="#">2.2.4.22</a> )	Specifies the account to be impersonated. This element <b>MUST</b> be present for impersonation.

### 2.2.4.34 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>

```

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

Element name	Type	Description
<b>t:Path</b>	<b>t:BasePathToElementType</b> (section <a href="#">2.2.4.16</a> )	Specifies the property to be used in a two-operand search expression. The <b>t:Path</b> element (section <a href="#">2.2.3.8</a> ) specifies a <b>substitutionGroup</b> attribute, as specified in <a href="#">[XMLSCHEMA0]</a> . An element that is represented by the <b>substitutionGroup</b> attribute of the <b>t:Path</b> element MUST be present.
<b>Constant</b>	<b>t:ConstantValueType</b> (section <a href="#">2.2.4.23</a> )	Specifies a constant to be used in a two-operand search expression.

### 2.2.4.35 t:FolderIdType Complex Type

The **FolderIdType** complex type specifies a folder identifier. The **DistinguishedFolderIdType** complex type extends the **BaseFolderIdType** complex type ([\[MS-OXWSFOLD\]](#) section 2.2.4.4).

```
<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
<b>Id</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies a folder identifier. The maximum length for this attribute is 512 bytes after <b>base64</b> decoding.
<b>ChangeKey</b>	<b>xs:string</b>	Specifies a change key. The maximum length for this attribute is 512 bytes after base64 decoding.

### 2.2.4.36 t:FolderResponseShapeType Complex Type

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

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

```

    />
    <xs:element name="AdditionalProperties"
      type="t:NonEmptyArrayOfPathsToElementType" minOccurs="0"
    />
  </xs:sequence>
</xs:complexType>

```

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

Element name	Type	Description
<b>BaseShape</b>	<b>t:DefaultShapeNamesType</b> (section <a href="#">2.2.5.7</a> )	Specifies the basic configuration of properties to be returned in a response.
<b>AdditionalProperties</b>	<b>t:NonEmptyArrayOfPathsToElementType</b> (section <a href="#">2.2.4.49</a> )	Specifies the identity of additional properties to be returned in a response.

### 2.2.4.37 t:ForwardItemType Complex Type

The **ForwardItemType** complex type specifies a response object for forwarding messages and meeting messages to other recipients. The **ForwardItemType** complex type extends the **SmartResponseType** complex type ([\[MS-OXWSCORE\]](#) section 2.2.4.18).

```

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

```

### 2.2.4.38 m:GetUnifiedGroupUnseenDataResponseMessageType Complex Type

The **GetUnifiedGroupUnseenDataResponseMessageType** complex type is intended for internal use only. [<53>](#)

### 2.2.4.39 t:HighlightTermType Complex Type

The **HighlightTermType** complex type specifies the terms that are highlighted when using AQS. [<54>](#) The Advanced Query Syntax (AQS) is used to help users and programmers better define and narrow their searches.

```

<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 ([XMLSCHEMA2])	Specifies the querystring token scope.
Value	xs:string	Specifies the querystring token value.

#### 2.2.4.40 t:InternetHeaderType Complex Type

The **InternetHeaderType** complex type specifies the Internet message header for a specified header within the headers collection. The **InternetHeaderType** simple type extends the xs:string data type ([XMLSCHEMA2] section 3.2.1).

```
<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>
```

Attribute name	Type	Description
HeaderName	xs:string ([XMLSCHEMA2])	Specifies the name of the header.

#### 2.2.4.41 t:IntervalRecurrencePatternBaseType Complex Type

The **IntervalRecurrencePatternBaseType** complex type specifies the base type for non-yearly **recurrence patterns**. The **IntervalRecurrencePatternBaseType** complex type extends the **RecurrencePatternBaseType** complex type, as specified in section [2.2.4.59](#). The **IntervalRecurrencePatternBaseType** type MUST NOT be sent in a **SOAP message** because it is an abstract type.

```
<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>
```

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

Element name	Type	Description
<b>Interval</b>	<b>xs:int</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the interval between two consecutive recurring items.

#### 2.2.4.42 m:ItemInfoResponseMessageType Complex Type

The **ItemInfoResponseMessageType** complex type specifies the response message for operations that create, update, or delete items. The **ItemInfoResponseMessageType** complex type extends the **RecurrencePatternBaseType** complex type, as specified in section [2.2.4.59](#).

```
<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>
```

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

Element name	Type	Description
<b>Items</b>	<b>t:ArrayOfRealItemsType</b> (section <a href="#">2.2.4.10</a> )	Specifies an array of <b>real items</b> .

#### 2.2.4.43 t:ItemResponseShapeType Complex Type

The **ItemResponseShapeType** complex type specifies a set of properties to return in a **GetItem** operation, as specified in [\[MS-OXWSCORE\]](#) section 3.1.4.4, **FindItem** operation, as specified in [\[MS-OXWSSRCH\]](#) section 3.1.4.2, or **SyncFolderItems** operation, as specified in [\[MS-OXWSSYNC\]](#) 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="UniqueBodyType" type="t:BodyTypeResponseType" minOccurs="0"/>
    <xs:element name="NormalizedBodyType" 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="InlineImageUrlTemplate" type="xs:string" minOccurs="0"
      maxOccurs="1"/>
    <xs:element name="BlockExternalImages" type="xs:boolean" minOccurs="0"
      maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```



```

    <xs:element name="AddBlankTargetToLinks" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
    <xs:element name="MaximumBodySize" type="xs:int" minOccurs="0" maxOccurs="1"/>
<xs:element name="AdditionalProperties" type="t:NonEmptyArrayOfPathsToElementType"
minOccurs="0"/>
    </xs:sequence>
</xs:complexType>

```

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

Element name	Type	Description
<b>BaseShape</b>	<b>t:DefaultShapeNamesType</b> (section <a href="#">2.2.5.7</a> )	Specifies the requested base properties to return in a response. This element <b>MUST</b> be present.
<b>IncludeMimeContent</b>	<b>xs:boolean</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies whether the <b>MIME</b> content of an item is returned in a response. This element is invalid for <b>SyncFolderItems</b> operation. <a href="#">&lt;55&gt;</a>
<b>BodyType</b>	<b>t:BodyTypeResponseType</b> (section <a href="#">2.2.5.1</a> )	Specifies the requested body text format for the <b>Body</b> property that is returned in a response. If this element is not present, the server <b>MUST</b> use the default value of "Best".
<b>UniqueBodyType</b>	<b>t:BodyTypeResponseType</b>	Specifies whether the unique body is returned in text or HTML format. <a href="#">&lt;56&gt;</a>
<b>NormalizedBodyType</b>	<b>t:BodyTypeResponseType</b>	Specifies whether the normalized body is returned in text or HTML format. <a href="#">&lt;57&gt;</a>
<b>FilterHtmlContent</b>	<b>xs:boolean</b>	Specifies whether <b>HTML</b> content filtering is enabled. If this value is set to <b>true</b> , potentially unsafe HTML content like script blocks <b>MUST</b> be removed from message bodies that are returned in a response. <a href="#">&lt;58&gt;</a>
<b>ConvertHtmlCodePageToUTF8</b>	<b>xs:boolean</b>	Specifies whether the item HTML body is converted to UTF8. The value of this element <b>MUST</b> be set to <b>true</b> or the element <b>MUST NOT</b> be specified to indicate to the server to convert the HTML code page to UTF8. <a href="#">&lt;59&gt;</a>
<b>InlineImageUrlTemplate</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the name of the template for the inline image URL. <a href="#">&lt;60&gt;</a>

Element name	Type	Description
<b>BlockExternalImages</b>	<b>xs:boolean</b>	Specifies whether external images are blocked. <a href="#">&lt;61&gt;</a>
<b>AddBlankTargetToLinks</b>	<b>xs:boolean</b>	Specifies whether the target attribute is set to a value of <b>blank</b> . <a href="#">&lt;62&gt;</a>
<b>MaximumBodySize</b>	<b>xs:int</b> ([XMLSCHEMA2])	Specifies the maximum size of the body to return. <a href="#">&lt;63&gt;</a>
<b>AdditionalProperties</b>	<b>t:NonEmptyArrayOfPathsToElementType</b> (section <a href="#">2.2.4.49</a> )	Specifies a set of requested additional properties to return in a response.

#### 2.2.4.44 t:MailboxCultureType Complex Type

The **MailboxCultureType** complex type specifies the culture to be used when opening a **mailbox**. The **MailboxCultureType** complex type extends the **xs:language** data type ([XMLSCHEMA2] section 3.3.)

```
<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 [\[RFC3066\]](#).

#### 2.2.4.45 t:ManagementRoleType Complex Type

The **ManagementRoleType** complex type specifies an array of user and application roles. [<64>](#)

```
<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
<b>UserRoles</b>	<b>t:NonEmptyArrayOfRoleType</b> (section <a href="#">2.2.4.51</a> )	Specifies an array of user roles.

Element name	Type	Description
<b>ApplicationRoles</b>	<b>t:NonEmptyArrayOfRoleType</b>	Specifies an array of application roles.

#### 2.2.4.46 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. The **NoEndRecurrenceRangeType** complex type extends the **RecurrenceRangeBaseType** complex type, as specified in section [2.2.4.60](#).

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

#### 2.2.4.47 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:element name="RoleMember"
      type="t:RoleMemberItemType"
    />
    <xs:element name="Network"
      type="t:NetworkItemType"
    />
    <xs:element name="Person"
      type="t:AbchPersonItemType"
    />
    <xs:element name="Booking"
      type="t:BookingItemType"
    />
    <xs:element name="XrmOrganization"
      type="t:XrmOrganizationItemType"
    />
  </xs:choice>
</xs:sequence>
</xs:complexType>

```

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

Element name	Type	Description
<b>Item</b>	<b>t:ItemType</b> ( <a href="#">[MS-OXWSCORE]</a> section 2.2.4.24)	Specifies an item.
<b>Message</b>	<b>t:MessageType</b> ( <a href="#">[MS-OXWSMSG]</a> section 2.2.4.3)	Specifies a message item.
<b>CalendarItem</b>	<b>t:CalendarItemType</b> ( <a href="#">[MS-OXWSMTGS]</a> section 2.2.4.1)	Specifies a calendar item.

Element name	Type	Description
	section 2.2.4.6)	
<b>Contact</b>	<b>t:ContactItemType</b> ( <a href="#">[MS-OXWSCONT]</a> section 2.2.4.3)	Specifies a contact item.
<b>DistributionList</b>	<b>t:DistributionListType</b> ( <a href="#">[MS-OXWSDLIST]</a> section 2.2.4.1)	Specifies a <b>distribution list</b> item.
<b>MeetingMessage</b>	<b>t:MeetingMessageType</b> ([MS-OXWSMTGS] section 2.2.4.15)	Specifies a meeting message item.
<b>MeetingRequest</b>	<b>t:MeetingRequestMessageType</b> ([MS-OXWSMTGS] section 2.2.4.17)	Specifies a meeting request message item.
<b>MeetingResponse</b>	<b>t:MeetingResponseMessageType</b> ([MS-OXWSMTGS] section 2.2.4.18)	Specifies a meeting response message item.
<b>MeetingCancellation</b>	<b>t:MeetingCancellationMessageType</b> ([MS-OXWSMTGS] section 2.2.4.14)	Specifies a meeting cancellation message item.
<b>Task</b>	<b>t:TaskType</b> ( <a href="#">[MS-OXWSTASK]</a> section 2.2.4.6))	Specifies a task item.
<b>PostItem</b>	<b>t:PostItemType</b> ( <a href="#">[MS-OXWSPOST]</a> section 2.2.4.1)	Specifies a post item.
<b>ReplyToItem</b>	<b>t:ReplyToItemType</b> (section <a href="#">2.2.4.65</a> )	Specifies a <b>ReplyToItem</b> response object.
<b>ForwardItem</b>	<b>t:ForwardItemType</b> (section <a href="#">2.2.4.37</a> )	Specifies a <b>ForwardItem</b> response object.
<b>ReplyAllToItem</b>	<b>t:ReplyAllToItemType</b> (section <a href="#">2.2.4.63</a> )	Specifies a <b>ReplyToAllItem</b> response object.
<b>AcceptItem</b>	<b>t:AcceptItemType</b> ([MS-OXWSMTGS] section 2.2.4.1)	Specifies an <b>AcceptItem</b> response object.
<b>TentativelyAcceptItem</b>	<b>t:TentativelyAcceptItemType</b> ([MS-OXWSMTGS] section 2.2.4.27)	Specifies a <b>TentativelyAcceptItem</b> response object.
<b>DeclineItem</b>	<b>t:DeclineItemType</b> ([MS-OXWSMTGS] section 2.2.4.11)	Specifies a <b>DeclineItem</b> response object.
<b>CancelCalendarItem</b>	<b>t:CancelCalendarItemType</b> ([MS-OXWSMTGS] section 2.2.4.10)	Specifies a <b>CancelCalendarItem</b> response object.
<b>RemoveItem</b>	<b>t:RemoveItemType</b> ([MS-OXWSMTGS] section 2.2.4.26)	Specifies a <b>RemoveItem</b> response object.
<b>SuppressReadReceipt</b>	<b>t:SuppressReadReceiptType</b> (section <a href="#">2.2.4.72</a> )	Specifies a <b>SuppressReadReceipt</b> response object.
<b>PostReplyItem</b>	<b>t:PostReplyItemType</b> ([MS-OXWSPOST] section 2.2.4.3)	Specifies a <b>PostReplyItem</b> response object.
<b>AcceptSharingInvitation</b>	<b>t:AcceptSharingInvitationType</b> (section <a href="#">2.2.4.3</a> )	Specifies an <b>AcceptSharingInvitation</b> response object.
<b>RoleMember</b>	<b>t:RoleMemberItemType</b> ([MS-OXWSCORE])	For internal use only. <a href="#">&lt;65&gt;</a>

Element name	Type	Description
	section 2.2.4.43)	
<b>Network</b>	<b>t:NetworkItemType</b> ([MS-OXWScore] section 2.2.4.30)	For internal use only. <66>
<b>Person</b>	<b>t:AbchPersonItemType</b> ([MS-OXWScOnt] section 2.2.4.1)	Specifies a person. <67>
<b>Booking</b>	<b>t:BookingItemType</b> (section 2.2.4.20)	For internal use only. <68>
<b>XrmOrganization</b>	<b>t:XrmOrganizationItemType</b> (section 2.2.4.78)	For internal use only. <69>

### 2.2.4.48 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:element name="ReferenceAttachment"
      type="t:ReferenceAttachmentType" />
  </xs:choice>
</xs:complexType>
```

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

Element name	Type	Description
<b>ItemAttachment</b>	<b>t:ItemAttachmentType</b> ([MS-OXWSATT] section 2.2.4.6)	Specifies an item attachment.
<b>FileAttachment</b>	<b>t:FileAttachmentType</b> ([MS-OXWSATT] section 2.2.4.5)	Specifies a file attachment.
<b>ReferenceAttachment</b> <70>	<b>t:ReferenceAttachmentType</b> ([MS-OXWSATT] section 2.2.4.8)	Specifies a reference attachment.

### 2.2.4.49 t:NonEmptyArrayOfPathsToElementType Complex Type

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

```

<xs:complexType name="NonEmptyArrayOfPathsToElementType">
  <xs:choice
    minOccurs="1"
    maxOccurs="unbounded"
  >
    <xs:element
      ref="t:Path"
    />
  </xs:choice>
</xs:complexType>

```

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

Element name	Type	Description
<b>t:Path</b>	<b>t:BasePathToElementType</b> (section <a href="#">2.2.4.16</a> )	Specifies a property to be returned in a response.

#### 2.2.4.50 t:NonEmptyArrayOfPredictedActionReasonType Complex Type

The **NonEmptyArrayOfPredictedActionReasonType** complex type is intended for internal use only. [<71>](#)

```

<xs:complexType name="NonEmptyArrayOfPredictedActionReasonType">
  <xs:sequence>
    <xs:element name="PredictedActionReason" type="t:PredictedActionReasonType"
      minOccurs="1"
      maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>

```

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

Element name	Type	Description
<b>PredictedActionReason</b>	<b>t:PredictedActionReasonType</b> (section <a href="#">2.2.5.21</a> )	For internal use only.

#### 2.2.4.51 t:NonEmptyArrayOfRoleType Complex Type

The **NonEmptyArrayOfRoleType** complex type specifies one or more roles used by the caller. [<72>](#)

```

<xs:complexType name="NonEmptyArrayOfRoleType">
  <xs:sequence>
    <xs:element name="Role" type="xs:string" minOccurs="1" 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 ( <a href="#">[XMLSCHEMA2]</a> )	Specifies a role identifier used by the caller.

### 2.2.4.52 t:NormalizedBodyType Complex Type

The **NormalizedBodyType** complex type represents a message body that has been converted to a normalized value. [<73>](#)

```
<xs:complexType name="NormalizedBodyType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="NormalizedBodyType" type="t:BodyTypeType" use="required"/>
      <xs:attribute name="IsTruncated" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

The following table describes the attributes of the **NormalizedBodyType** complex type.

Attribute	Type	Description
<b>NormalizedBodyType</b>	<b>t:BodyTypeType</b> (section <a href="#">2.2.5.2</a> )	Specifies the type of the text of the message body.
<b>IsTruncated</b>	<b>xs:Boolean</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies whether the text of the message body is truncated.

### 2.2.4.53 t:NumberedRecurrenceRangeType Complex Type

The **NumberedRecurrenceRangeType** complex type specifies the start date and number of occurrences of a recurring item. The **NumberedRecurrenceRangeType** complex type extends the **RecurrenceRangeBaseType** complex type, as specified in section [2.2.4.60](#).

```
<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>
```



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

Element name	Type	Description
<b>NumberOfOccurrences</b>	<b>xs:int</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the number of occurrences of a recurring item.

#### 2.2.4.54 t:PathToExceptionFieldType Complex Type

The **t:PathToExceptionFieldType** complex type specifies errors in a response. The **PathToExceptionFieldType** complex type extends the **BasePathToElementType** complex type, as specified in section [2.2.4.16](#).

```
<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>
```

Attribute name	Type	Description
<b>FieldURI</b>	<b>t:ExceptionPropertyURIType</b> (section <a href="#">2.2.5.13</a> )	Specifies an offending property path in an error.

#### 2.2.4.55 t:PathToIndexedFieldType Complex Type

The **PathToIndexedFieldType** complex type specifies individual members of a dictionary property. The **PathToIndexedFieldType** complex type extends the **BasePathToElementType** complex type, as specified in section [2.2.4.16](#).

```
<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>
```

Attribute name	Type	Description
FieldURI	<b>t:DictionaryURIType</b> (section <a href="#">2.2.5.8</a> )	Specifies the dictionary property. This attribute MUST be present.
FieldIndex	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the entry index in a dictionary. This attribute MUST be present.

#### 2.2.4.56 t:PathToUnindexedFieldType Complex Type

The **PathToUnindexedFieldType** complex type specifies frequently referenced properties. The **PathToUnindexedFieldType** complex type extends the **BasePathToElementType** complex type, as specified in section [2.2.4.16](#).

```
<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
<b>FieldURI</b>	<b>t:UnindexedFieldURIType</b> (section <a href="#">2.2.5.26</a> )	Specifies frequently referenced field URIs. This attribute MUST be present.

#### 2.2.4.57 t:PrimarySmtpAddressType Complex Type

The **PrimarySmtpAddressType** complex type specifies a primary **SMTP** address. This type extends the **NonEmptyStringType** (section [2.2.5.20](#)).[<74>](#)

```
<xs:complexType name="PrimarySmtpAddressType">
  <xs:simpleContent>
    <xs:extension base="t:NonEmptyStringType"/>
  </xs:simpleContent>
</xs:complexType>
```

#### 2.2.4.58 t:PrincipalNameType Complex Type

The **PrincipalNameType** complex type specifies a principal name. This type extends the **NonEmptyStringType** (section [2.2.5.20](#)).<75>

```
<xs:complexType name="PrincipalNameType">
  <xs:simpleContent>
    <xs:extension base="t:NonEmptyStringType"/>
  </xs:simpleContent>
</xs:complexType>
```

#### 2.2.4.59 t:RecurrencePatternBaseType Complex Type

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

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

#### 2.2.4.60 t:RecurrenceRangeBaseType Complex Type

The **RecurrenceRangeBaseType** complex type specifies the base type for all **recurrence patterns** that have a start date. The **RecurrenceRangeBaseType** type MUST NOT be sent in a **SOAP message** because it is an abstract type.

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

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

Element name	Type	Description
<b>StartDate</b>	<b>xs:date</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the start date of a recurrence range.

#### 2.2.4.61 t:RelativeMonthlyRecurrencePatternType Complex Type

The **RelativeMonthlyRecurrencePatternType** complex type specifies a relative monthly **recurrence pattern**. The **RelativeMonthlyRecurrencePatternType** complex type extends the **IntervalRecurrencePatternBaseType** complex type, as specified in section [2.2.4.41](#).

```
<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>

```

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

Element name	Type	Description
<b>DaysOfWeek</b>	<b>t:DayOfWeekType</b> (section <a href="#">2.2.5.5</a> )	Specifies the days of the week that are used in a relative monthly recurrence pattern.
<b>DayOfWeekIndex</b>	<b>t:DayOfWeekIndexType</b> (section <a href="#">2.2.5.4</a> )	Specifies the week that is used in a relative monthly recurrence pattern.

#### 2.2.4.62 t:RelativeYearlyRecurrencePatternType Complex Type

The **RelativeYearlyRecurrencePatternType** complex type specifies a relative yearly **recurrence pattern**. The **RelativeYearlyRecurrencePatternType** complex type extends the **RecurrencePatternBaseType** complex type, as specified in section [2.2.4.41](#).

```

<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>

```

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

Element name	Type	Description
<b>DaysOfWeek</b>	<b>t:DayOfWeekType</b> (section <a href="#">2.2.5.5</a> )	Specifies the days of the week that are used in a relative yearly recurrence pattern. This element <b>MUST</b> be present.
<b>DayOfWeekIndex</b>	<b>t:DayOfWeekIndexType</b> (section <a href="#">2.2.5.4</a> )	Specifies the week that is used in a relative yearly recurrence pattern. This element <b>MUST</b> be present.
<b>Month</b>	<b>t:MonthNamesType</b> (section <a href="#">2.2.5.19</a> )	Specifies the month when a yearly recurring item occurs. This element <b>MUST</b> be present.

### 2.2.4.63 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. The **ReplyAllToItemType** complex type extends the **SmartResponseType** complex type ([\[MS-OXWSCORE\]](#) section 2.2.4.18).

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

### 2.2.4.64 t:ReplyBody Complex Type

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 name	Type	Definition
<b>Message</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	An <b>HTML</b> message that forms the body of the OOF message. This element is optional and <b>SHOULD NOT</b> exceed 128000 bytes.

Attribute	Definition
<b>xml:lang</b>	Specifies the language used in the OOF message. This attribute is optional. The possible values of this attribute are defined by <a href="#">[RFC3066]</a> .

### 2.2.4.65 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>
```

### 2.2.4.66 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:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="ResponseClass"
    type="t:ResponseClassType"
    use="required"
  />
</xs:complexType>
```

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

Element name	Type	Description
<b>MessageText</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies a text description of the status of a response.

Element name	Type	Description
<b>ResponseCode</b>	<b>m:ResponseCodeType</b> (section <a href="#">2.2.5.24</a> )	Specifies the error code that identifies the specific error that the request encountered, if any.
<b>DescriptiveLinkKey</b>	<b>xs:int</b> ([XMLSCHEMA2])	This element is not used.
<b>MessageXml</b>	N/A	Specifies additional error response information.

#### Attributes

Attribute name	Type	Description
<b>ResponseClass</b>	<b>t:ResponseClassType</b> (section <a href="#">2.2.5.23</a> )	Represents the status of the response. The following values are valid for this attribute: <ul style="list-style-type: none"> <li>Success</li> <li>Warning</li> <li>Error</li> </ul> This attribute MUST be present.

### 2.2.4.67 t:ResponseObjectCoreType Complex Type

The **ResponseObjectCoreType** complex type specifies the base type for response objects. The **ResponseObjectCoreType** complex type extends the **MessageType** complex type ([\[MS-OXWSMSG\]](#) section 2.2.4.3). The **ResponseObjectCoreType** type MUST NOT be sent in a **SOAP message** because it is an abstract type.

```
<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>
```

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

Element name	Type	Description
<b>ReferenceItemId</b>	<b>t:ItemIdType</b> ( <a href="#">[MS-OXWSCORE]</a> section 2.2.4.25)	Specifies the item identifier that is related to a response object.

### 2.2.4.68 t:ResponseType Complex Type

The **ResponseType** complex type specifies the base type for response objects. The **ResponseType** complex type extends the **ResponseObjectCoreType** complex type, as specified in section [2.2.4.67](#). The **ResponseType** type MUST NOT be sent in a **SOAP message** because it is an abstract type.

```
<xs:complexType name="ResponseType"
  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
<b>ObjectName</b>	<b>xs:string</b> ( <a href="#">XMLSCHEMA21</a> )	Specifies the name of the reply object class as an English-language string.

### 2.2.4.69 t:SIDType Complex Type

The **SIDType** complex type specifies an **SID**. This type extends the **NonEmptyStringType** (section [2.2.5.20](#)). [<76>](#)

```
<xs:complexType name="SIDType">
  <xs:simpleContent>
    <xs:extension base="t:NonEmptyStringType"/>
  </xs:simpleContent>
</xs:complexType>
```

### 2.2.4.70 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>
```

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



Element name	Type	Description
<b>Mailbox</b>	<b>t:EmailAddressType</b> (section <a href="#">2.2.4.31</a> )	Specifies the e-mail address of a recipient.

### 2.2.4.71 t:SmtpAddressType Complex Type

The **SmtpAddressType** complex type specifies an **SMTP** address. This type extends the **NonEmptyStringType** (section [2.2.5.20](#)).<77>

```
<xs:complexType name="SmtpAddressType">
  <xs:simpleContent>
    <xs:extension base="t:NonEmptyStringType"/>
  </xs:simpleContent>
</xs:complexType>
```

### 2.2.4.72 t:SuppressReadReceiptType Complex Type

The **SuppressReadReceiptType** complex type specifies the suppress read receipt response object, which is the response to the request to suppress a read receipt. The **SuppressReadReceiptType** complex type extends the **ReferenceItemResponseType** complex type ([\[MS-OXWSCORE\]](#) section 2.2.4.41).

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

### 2.2.4.73 t:UniqueBodyType Complex Type

The **UniqueBodyType** complex type represents the body of an item that is unique to the conversation that the item is part of.<78>

```
<xs:complexType name="UniqueBodyType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="UniqueBodyType" type="t:BodyTypeType" use="required"/>
      <xs:attribute name="IsTruncated" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

The following table describes the attributes of the **UniqueBodyType** complex type.

Attribute	Type	Description
<b>UniqueBodyType</b>	<b>t:BodyTypeType</b> (section <a href="#">2.2.5.2</a> )	The type of the text of the unique body.
<b>IsTruncated</b>	<b>xs:Boolean</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies whether the unique body is truncated.

## 2.2.4.74 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>
```

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

Element name	Type	Description
<b>SID</b>	<b>xs:string</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the security descriptor definition language (SSDL) form of the <b>security identifier (SID)</b> for a user.
<b>PrimarySmtpAddress</b>	<b>xs:string</b>	Specifies the primary SMTP address of an account.
<b>DisplayName</b>	<b>xs:string</b>	Specifies the user name for display.
<b>DistinguishedUser</b>	<b>t:DistinguishedUserType</b> (section <a href="#">2.2.5.12</a> )	Specifies a value that identifies the Anonymous and Default user accounts for <b>delegate</b> access.
<b>ExternalUserIdentity</b>	<b>xs:string</b>	Specifies an external user identity.

## 2.2.4.75 t:Value Complex Type

The **Value** complex type specifies the name and value of a property that is returned in an error response. The **Value** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```

<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
<b>Name</b>	<b>xs:string</b> ([XMLSCHEMA2])	Specifies a property name.

### 2.2.4.76 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. The **WeeklyRecurrencePatternType** complex type extends the **IntervalRecurrencePatternBaseType** complex type, as specified in section [2.2.4.41](#).

```

<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>

```

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

Element name	Type	Description
<b>DaysOfWeek</b>	<b>t:DaysOfWeekType</b> (section <a href="#">2.2.5.6</a> )	Specifies the days of the week that are in the weekly <b>recurrence pattern</b> .
<b>FirstDayOfWeek</b>	<b>t:DayOfWeekType</b> (section <a href="#">2.2.5.5</a> )	Specifies the first day of the week. <a href="#">&lt;79&gt;</a>

## 2.2.4.77 t:WellKnownResponseType Complex Type

The **WellKnownResponseType** complex type specifies the base type for calendar item related response objects, as specified in [\[MS-OXWSMTGS\]](#). The **WellKnownResponseType** complex type extends the **ResponseType** complex type, as specified in section [2.2.4.68](#).

```
<xs:complexType name="WellKnownResponseType">
  <xs:complexContent>
    <xs:restriction
      base="t:ResponseType"
    >
      <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:restriction>
</xs:complexContent>
</xs:complexType>

```

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

Element name	Type	Description
<b>ItemClass</b>	<b>t:ItemClassType</b> ([MS-OXWSCORE] section 2.2.5.4)	Specifies the item class.
<b>Sensitivity</b>	<b>t:SensitivityChoicesType</b> (section <a href="#">2.2.5.25</a> )	Specifies the item sensitivity level.
<b>Body</b>	<b>t:BodyType</b> (section <a href="#">2.2.4.19</a> )	Specifies the body content.
<b>Attachments</b>	<b>t:NonEmptyArrayOfAttachmentsType</b> (section <a href="#">2.2.4.48</a> )	Specifies the attachments on a response object.
<b>InternetMessageHeaders</b>	<b>t:NonEmptyArrayOfInternetHeadersType</b> ([MS-OXWSCORE] section 2.2.4.32)	Specifies an array of type <b>InternetHeaderType</b> that represents the collection of all Internet message headers that are contained in an item.
<b>Sender</b>	<b>t:SingleRecipientType</b> (section <a href="#">2.2.4.70</a> )	Specifies the sender of a message.
<b>ToRecipients</b>	<b>t:ArrayOfRecipientsType</b> (section <a href="#">2.2.4.11</a> )	Specifies a collection of <b>To recipients</b> of an item.
<b>CcRecipients</b>	<b>t:ArrayOfRecipientsType</b>	Specifies a collection of <b>carbon copy (Cc) recipients</b> of an item.
<b>BccRecipients</b>	<b>t:ArrayOfRecipientsType</b>	Specifies a collection of <b>blind carbon copy (Bcc) recipients</b> of an item.
<b>IsReadReceiptRequested</b>	<b>xs:boolean</b> ([XMLSCHEMA2])	Specifies whether a read receipt is requested.
<b>IsDeliveryReceiptRequested</b>	<b>xs:boolean</b>	Specifies whether a delivery receipt is requested.
<b>From</b>	<b>t:SingleRecipientType</b>	Specifies the addressee who sent a message.
<b>ReferenceItemId</b>	<b>t:ItemIdType</b> ([MS-OXWSCORE] section 2.2.4.25)	Specifies the item identifier that is related to a response object.

#### Attributes

Name	Type	Description
<b>ObjectName</b>	<b>xs:string</b> ([XMLSCHEMA2])	Specifies the name of the reply object class as an English-language string.

### 2.2.4.78 t:XrmOrganizationItemType Complex Type

The **XrmOrganizationItemType** complex type is intended for internal use only.

```
<xs:complexType name="XrmOrganizationItemType">
  <xs:complexContent>
    <xs:extension base="t:ContactItemType">
      <xs:sequence>
        <xs:element name="XrmOrganizationId" type="t:GuidType" minOccurs="0"/>
        <xs:element name="XrmContactType" type="xs:int" minOccurs="0"/>
        <xs:element name="XrmCompanySize" type="xs:int" minOccurs="0"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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

Element name	Type	Description
<b>XrmOrganizationId</b>	<b>t:GuidType</b> ([MS-OXWSXPROP] section 2.1.7)	For internal use only.
<b>XrmContactType</b>	<b>xs:int</b> ([XMLSCHEMA2])	For internal use only.
<b>XrmCompanySize</b>	<b>xs:int</b> ([XMLSCHEMA2])	For internal use only.

### 2.2.5 Simple Types

Simple type	Description
<b>BodyTypeResponseType</b>	Specifies the type of content that is returned for the body of an item.
<b>BodyTypeType</b>	Specifies the item body content type.
<b>DateTimePrecisionType</b>	Specifies the precision for returned date/time values. <80>
<b>DayOfWeekIndexType</b>	Specifies which week in a month is used in a relative <b>recurrence pattern</b> .
<b>DayOfWeekType</b>	Specifies days of the week that are used in item recurrence patterns.
<b>DaysOfWeekType</b>	Specifies days of the week that are used in item recurrence patterns.

<b>DefaultShapeNamesType</b>	Specifies standard sets of properties to return in an item or folder response.
<b>DictionaryURIType</b>	Specifies frequently referenced dictionary properties by <b>Uniform Resource Identifier (URI)</b> .
<b>DisposalType</b>	Specifies how an item or folder is deleted.
<b>DistinguishedFolderIdNameType</b>	Specifies well-known folders that can be referenced by name. <a href="#">&lt;81&gt;</a>
<b>DistinguishedPropertySetType</b>	Specifies the well-known property set IDs for extended properties.
<b>DistinguishedUserType</b>	Specifies distinguished user accounts.
<b>ExceptionPropertyURIType</b>	Specifies an offending property path in an error.
<b>ExchangeVersionType</b>	Specifies the schema version to target for a request. <a href="#">&lt;82&gt;</a>
<b>ExcludesAttributeType</b>	Specifies a decimal or hexadecimal bitmask for an exclude restriction.
<b>IconIndexType</b>	Specifies the icons to display. <a href="#">&lt;83&gt;</a>
<b>LegacyFreeBusyType</b>	Specifies the <b>free/busy status</b> for calendar items and meeting requests.
<b>MailboxTypeType</b>	Specifies the type of <b>mailbox</b> that is represented by an e-mail address.
<b>MonthNamesType</b>	Specifies the month in which a yearly recurring item occurs.
<b>NonEmptyStringType</b>	Specifies a string that MUST have a minimum of one character.
<b>PredictedActionReasonType</b>	This type is intended for internal use only.
<b>PredictedMessageActionType</b>	Specifies the predicted next action to be taken. <a href="#">&lt;84&gt;</a>
<b>ResponseClassType</b>	Specifies the status states of a response.
<b>ResponseCodeType</b>	Specifies status information for the request. <a href="#">&lt;85&gt;</a>
<b>SensitivityChoicesType</b>	Specifies the sensitivity level types that are available for

	an item.
<b>UnindexedFieldURIType</b>	Specifies unindexed properties. <a href="#">&lt;86&gt;</a>

### 2.2.5.1 t:BodyTypeResponseType Simple Type

The **BodyTypeResponseType** simple type specifies the type of content that is returned for the body of an item. The **BodyTypeResponseType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>Best</b>	Specifies that the response returns the richest available body content. This is useful if it is unknown whether the content is text or <b>Hypertext Markup Language (HTML)</b> .
<b>HTML</b>	Specifies that the response returns an item body as HTML.
<b>Text</b>	Specifies that the response returns an item body as <b>plain text</b> .

### 2.2.5.2 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>
```

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

Value	Meaning
<b>HTML</b>	Specifies the item body as <b>HTML</b> content.
<b>Text</b>	Specifies the item body as text content.



### 2.2.5.3 t:DateTimePrecisionType Simple Type

The **DateTimePrecisionType** simple type specifies the precision for returned date/time values. [<87>](#)

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

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

Value	Meaning
<b>Seconds</b>	Specifies that the precision for date/time return values is seconds.
<b>Milliseconds</b>	Specifies that the precision for date/time return values is milliseconds.

### 2.2.5.4 t:DayOfWeekIndexType Simple Type

The **DayOfWeekIndexType** simple type specifies which week in a month is used in a relative **recurrence pattern**. The **DayOfWeekIndexType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>First</b>	Specifies that the first week in the month is used in the recurrence pattern.
<b>Second</b>	Specifies that the second week in the month is used in the recurrence pattern.
<b>Third</b>	Specifies that the third week in the month is used in the recurrence pattern.
<b>Fourth</b>	Specifies that the fourth week in the month is used in the recurrence pattern.
<b>Last</b>	Specifies that the last week in the month is used in the recurrence pattern.

### 2.2.5.5 t:DayOfWeekType Simple Type

The **DayOfWeekType** simple type specifies days of the week that are used in item **recurrence patterns**. The **DayOfWeekType** simple type extends the xs:string data type ([XMLSCHEMA2](#) section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>Day</b>	Identifies every day as part of the recurrence pattern. This value MUST NOT be used in the <b>t:TimeChangePatternTypes</b> (section <a href="#">2.2.7.3</a> ) complex type.
<b>Friday</b>	Identifies Fridays as part of the recurrence pattern.
<b>Monday</b>	Identifies Mondays as part of the recurrence pattern.
<b>Saturday</b>	Identifies Saturdays as part of the recurrence pattern.
<b>Sunday</b>	Identifies Sundays as part of the recurrence pattern.
<b>Thursday</b>	Identifies Thursdays as part of the recurrence pattern.
<b>Tuesday</b>	Identifies Tuesdays as part of the recurrence pattern.
<b>Wednesday</b>	Identifies Wednesdays as part of the recurrence pattern.
<b>Weekday</b>	Identifies weekdays as part of the recurrence pattern. This value MUST NOT be used in the <b>t:TimeChangePatternTypes</b> (section <a href="#">2.2.7.3</a> ) complex type.
<b>WeekendDay</b>	Identifies weekend days as part of the recurrence pattern. This value MUST NOT be used in the <b>t:TimeChangePatternTypes</b> (section <a href="#">2.2.7.3</a> ) complex type.

### 2.2.5.6 t:DaysOfWeekType Simple Type

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

The values for this type are defined in section [2.2.5.5](#).

The following is the syntax for this type.

```
<xs:simpleType name="DaysOfWeekType">
```

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

### 2.2.5.7 t:DefaultShapeNamesType Simple Type

The **DefaultShapeNamesType** simple type specifies standard sets of properties to return in an item or folder response. The **DefaultShapeNamesType** simple type extends the xs:string data type ([XMLSCHEMA2] section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>AllProperties</b>	Specifies all the properties that are defined for the item or folder. This option does not specify all available properties for an item or folder.
<b>Default</b>	Specifies a set of properties that are defined as the default for the item or folder.
<b>IdOnly</b>	Specifies only the item or folder ID. <a href="#">&lt;88&gt;</a>

### 2.2.5.8 t:DictionaryURIType Simple Type

The **DictionaryURIType** simple type specifies frequently referenced dictionary properties by **Uniform Resource Identifier (URI)**. The **DictionaryURIType** simple type extends the xs:string data type ([XMLSCHEMA2] section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>contacts:EmailAddress</b>	Specifies the <b>EmailAddresses</b> property ( <a href="#">[MS-OXWSCORE]</a> section 2.2.4.18).
<b>contacts:ImAddress</b>	Specifies the <b>ImAddresses</b> property ( <a href="#">[MS-OXWSCONT]</a> section 2.2.4.3).
<b>contacts:PhoneNumber</b>	Specifies the <b>PhoneNumbers</b> property ([MS-OXWSCORE] section 2.2.4.18).
<b>contacts:PhysicalAddress:City</b>	Specifies the <b>PhysicalAddressCity</b> property ([MS-OXWSCONT] section 3.1.4.1.1.17).
<b>contacts:PhysicalAddress:CountryOrRegion</b>	Specifies the <b>PhysicalAddressCountryOrRegion</b> property ([MS-OXWSCONT] section 3.1.4.1.1.17).
<b>contacts:PhysicalAddress:PostalCode</b>	Specifies the <b>PhysicalAddressPostalCode</b> property ([MS-OXWSCONT] section 3.1.4.1.1.17).
<b>contacts:PhysicalAddress:State</b>	Specifies the <b>PhysicalAddressState</b> property ([MS-OXWSCONT] section 3.1.4.1.1.17).
<b>contacts:PhysicalAddress:Street</b>	Specifies the <b>PhysicalAddressStreet</b> property ([MS-OXWSCONT] section 3.1.4.1.1.17).
<b>distributionlist:Members:Member</b>	Specifies the <b>Member</b> property ( <a href="#">[MS-OXWSDLIST]</a> section 2.2.4.2).
<b>item:InternetMessageHeader</b>	Specifies the <b>InternetMessageHeader</b> property ( <a href="#">[MS-OXWSCORE]</a> section 2.2.4.32).

### 2.2.5.9 t:DisposalType Simple Type

The **DisposalType** simple type specifies how an item or folder is deleted. The DisposalType simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>HardDelete</b>	Specifies that an item or folder is permanently removed from the store.
<b>MoveToDeletedItems</b>	Specifies that an item or folder is moved to the <b>Deleted Items folder</b> .
<b>SoftDelete</b>	Specifies that an item or folder is moved to the dumpster if the dumpster is enabled.

The **DeleteFolderType** complex type, as specified in [\[MS-OXWSFOLD\]](#) section 3.1.4.4.3.2, and **DeleteItemType** complex type, as specified in [\[MS-OXWSCORE\]](#) section 3.1.4.3.3.2, MUST specify a value for the **DisposalType** simple type.

## 2.2.5.10 t:DistinguishedFolderIdNameType Simple Type

The **DistinguishedFolderIdNameType** simple type specifies well-known folders that can be referenced by name. <89> The **DistinguishedFolderIdNameType** simple type extends the xs:string data type ([XMLSCHEMA2] section 3.2.1).

```
<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 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="recoverableitemsdiscoveryholds"/>
    <xs:enumeration value="archiveroot"/>
    <xs:enumeration value="archivemsgfolderroot"/>
    <xs:enumeration value="archiveddeleteditems"/>
    <xs:enumeration value="archiveinbox"/>
    <xs:enumeration value="archiverecoverableitemsroot"/>
    <xs:enumeration value="archiverecoverableitemsdeletions"/>
    <xs:enumeration value="archiverecoverableitemsversions"/>
    <xs:enumeration value="archiverecoverableitemspurges"/>
    <xs:enumeration value="archiverecoverableitemsdiscoveryholds"/>
    <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:enumeration value="directory" />
    <xs:enumeration value="imcontactlist"/>
    <xs:enumeration value="peopleconnect"/>
    <xs:enumeration value="favorites"/>
    <xs:enumeration value="mecontact" />
    <xs:enumeration value="personmetadata" />
  </xs:restriction>
</xs:simpleType>
```

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

Value	Meaning
calendar	Specifies the default <b>Calendar folder</b> .

Value	Meaning
<b>contacts</b>	Specifies the default <b>Contacts folder</b> .
<b>deleteditems</b>	Specifies the <b>Deleted Items folder</b> .
<b>drafts</b>	Specifies the <b>Drafts folder</b> .
<b>inbox</b>	Specifies the <b>Inbox folder</b> .
<b>journal</b>	Specifies the <b>Journal folder</b> .
<b>junkemail</b>	Specifies the <b>Junk E-mail folder</b> .
<b>msgfolderroot</b>	Specifies the message folder root, which stores mailbox folders and items.
<b>notes</b>	Specifies the <b>Notes folder</b> .
<b>outbox</b>	Specifies the <b>Outbox folder</b> .
<b>publicfoldersroot</b>	Specifies the root <b>public folder</b> .
<b>root</b>	Specifies the root of the <b>mailbox</b> .
<b>searchfolders</b>	Specifies the Search Folders folder, which contains the default <b>search folders</b> .
<b>sentitems</b>	Specifies the <b>Sent Items folder</b> .
<b>tasks</b>	Specifies the <b>Tasks folder</b> .
<b>voicemail</b>	Specifies the Voice Mail folder, which is under the Search Folders folder and stores voice mails.
<b>recoverableitemsroot</b>	Specifies the root of the recoverable items folder hierarchy.
<b>recoverableitemsdeletions</b>	Specifies the root of the folder hierarchy of recoverable items that have been soft-deleted from the Deleted Items folder.
<b>recoverableitemsversions</b>	Specifies the root of the recoverable items versions folder hierarchy in the archive mailbox..
<b>recoverableitemspurges</b>	Specifies the root of the folder hierarchy of recoverable items that have been hard-deleted from the Deleted Items folder.
<b>recoverableitemsdiscoveryholds</b>	Specifies the root of the folder hierarchy of recoverable discovery hold items. <a href="#">&lt;90&gt;</a>
<b>archiveroot</b>	Specifies the root of the folder hierarchy in the archive mailbox.
<b>archivemsgfolderroot</b>	Specifies the root of the message folder hierarchy in the archive mailbox.
<b>archivedeleteditems</b>	Specifies the Deleted Items folder in the archive mailbox.
<b>archiveinbox</b>	Specifies the archive Inbox folder . <a href="#">&lt;91&gt;</a>
<b>archiverecoverableitemsroot</b>	Specifies the root of the recoverable items folder hierarchy in the archive mailbox.
<b>archiverecoverableitemsdeletions</b>	Specifies the root of the folder hierarchy of recoverable items that have been soft-deleted from the Deleted Items folder of the archive mailbox.

Value	Meaning
<b>archiverecoverableitemversions</b>	Specifies the root of the recoverable items versions folder hierarchy in the archive mailbox.
<b>archiverecoverableitemspurges</b>	Specifies the root of the hierarchy of recoverable items that have been hard-deleted from the Deleted Items folder of the archive mailbox.
<b>archiverecoverableitemsdiscoveryholds</b>	Specifies the root of the recoverable discovery hold items in the archive mailbox. <a href="#">&lt;92&gt;</a>
<b>syncissues</b>	Specifies the sync issues folder. <a href="#">&lt;93&gt;</a>
<b>conflicts</b>	Specifies the conflicts folder.
<b>localfailures</b>	Specifies the local failures folder. <a href="#">&lt;94&gt;</a>
<b>serverfailures</b>	Specifies the server failures folder. <a href="#">&lt;95&gt;</a>
<b>recipientcache</b>	Specifies the recipient cache folder. <a href="#">&lt;96&gt;</a>
<b>quickcontacts</b>	Specifies the quick contacts folder. <a href="#">&lt;97&gt;</a>
<b>conversationhistory</b>	Specifies the conversation history folder. <a href="#">&lt;98&gt;</a>
<b>adminauditlogs</b>	Specifies the admin audit logs folder. <a href="#">&lt;99&gt;</a>
<b>todosearch</b>	Specifies the to do search folder. <a href="#">&lt;100&gt;</a>
<b>mycontacts</b>	Specifies the my contacts folder. <a href="#">&lt;101&gt;</a>
<b>directory</b>	Specifies a directory. <a href="#">&lt;102&gt;</a>
<b>imcontactlist</b>	Specifies the IM contact list folder.
<b>peopleconnect</b>	Specifies the folder that is used for social networks. <a href="#">&lt;103&gt;</a>
<b>favorites</b>	Specifies the favorites folder. <a href="#">&lt;104&gt;</a>
<b>mecontact</b>	Specifies the folder to store and sync me contact information. <a href="#">&lt;105&gt;</a>
<b>personmetadata</b>	Specifies the folder that contains metadata for an abch person ( <a href="#">[MS-OXWSCONT]</a> section 2.2.4.1). <a href="#">&lt;106&gt;</a>

### 2.2.5.11 t:DistinguishedPropertySetType Simple Type

The **DistinguishedPropertySetType** simple type specifies the well-known property set IDs for extended properties. The **DistinguishedPropertySetType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

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

```

    <xs:enumeration value="UnifiedMessaging"/>
    <xs:enumeration value="Task"/>
    <xs:enumeration value="Sharing"/>
  </xs:restriction>
</xs:simpleType>

```

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

Value	Meaning
<b>Address</b>	Specifies the address property set ID by name.
<b>Appointment</b>	Specifies the appointment property set ID by name.
<b>CalendarAssistant</b>	Specifies the calendar assistant property set ID by name.
<b>Common</b>	Specifies the common property set ID by name.
<b>InternetHeaders</b>	Specifies the Internet headers property set ID by name.
<b>Meeting</b>	Specifies the meeting property set ID by name.
<b>PublicStrings</b>	Specifies the public strings property set ID by name.
<b>UnifiedMessaging</b>	Specifies the <b>Unified Messaging</b> property set ID by name.
<b>Task</b>	Specifies the task property set ID by name.
<b>Sharing</b>	Specifies the sharing property set ID by name. <a href="#">&lt;107&gt;</a>

### 2.2.5.12 t:DistinguishedUserType Simple Type

The **DistinguishedUserType** simple type specifies distinguished user accounts. The **DistinguishedUserType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```

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

```

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

Value	Meaning
<b>Default</b>	Specifies the default user account.
<b>Anonymous</b>	Specifies the anonymous user account.



### 2.2.5.13 t:ExceptionPropertyURIType Simple Type

The **ExceptionPropertyURIType** simple type specifies an offending property path in an error. The **ExceptionPropertyURIType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<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>
```

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

Value	Meeting
<b>attachment:Content</b>	Specifies that the attachment <b>Content</b> property ( <a href="#">[MS-OXWSATT]</a> section 2.2.4.4) contains an error.
<b>attachment:ContentType</b>	Specifies that the attachment <b>ContentType</b> property ( <a href="#">[MS-OXWSATT]</a> section 2.2.4.4) contains an error.
<b>attachment:Name</b>	Specifies that the attachment <b>Name</b> property ( <a href="#">[MS-OXWSATT]</a> section 2.2.4.4) contains an error.
<b>recurrence:DayOfMonth</b>	Specifies that the recurrence <b>DayOfMonth</b> property contains an error.
<b>recurrence:DayOfWeekIndex</b>	Specifies that the recurrence <b>DayOfWeekIndex</b> property contains an error.
<b>recurrence:DaysOfWeek</b>	Specifies that the recurrence <b>DaysOfWeek</b> property contains an error.
<b>recurrence:Interval</b>	Specifies that the recurrence <b>Interval</b> property contains an error.
<b>recurrence:Month</b>	Specifies that the recurrence <b>Month</b> property contains an error.
<b>recurrence:NumberOfOccurrences</b>	Specifies that the recurrence <b>NumberOfOccurrences</b> property contains an error.
<b>timezone:Offset</b>	Specifies that the time zone <b>Offset</b> property ( <a href="#">[MS-OXWSMTGS]</a> section 2.2.4.29) contains an error.

### 2.2.5.14 t:ExchangeVersionType Simple Type

The **ExchangeVersionType** simple type specifies the schema version to target for a request. [<108>](#)  
The **ExchangeVersionType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```

<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="Exchange2013"/>
    <xs:enumeration value="Exchange2013_SP1"/>
    <xs:enumeration value="Exchange2015"/>
    <xs:enumeration value="Exchange2016"/>
  </xs:restriction>
</xs:simpleType>

```

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

Value	Meaning
<b>Exchange2007</b>	Specifies the first version of the target web service schema. <a href="#">&lt;109&gt;</a>
<b>Exchange2007_SP1</b>	Specifies the second version of the target web service schema. <a href="#">&lt;110&gt;</a>
<b>Exchange2010</b>	Specifies the third version of the target web service schema. <a href="#">&lt;111&gt;</a>
<b>Exchange2010_SP1</b>	Specifies the fourth version of the target web service schema. <a href="#">&lt;112&gt;</a>
<b>Exchange2010_SP2</b>	Specifies the fifth version of the target web service schema. <a href="#">&lt;113&gt;</a>
<b>Exchange2013</b>	Specifies the sixth version of the target web service schema. <a href="#">&lt;114&gt;</a>
<b>Exchange2013_SP1</b>	Specifies the seventh version of the target web service schema. <a href="#">&lt;115&gt;</a>
<b>Exchange2015</b>	Specifies the eighth version of the target web service schema. <a href="#">&lt;116&gt;</a>
<b>Exchange2016</b>	Specifies the ninth version of the target web service schema. <a href="#">&lt;117&gt;</a>

### 2.2.5.15 t:ExcludesAttributeType Simple Type

The **ExcludesAttributeType** simple type specifies a decimal or hexadecimal bitmask for an exclude restriction. The **ExcludesAttributeType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```

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

```

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

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

## 2.2.5.16 t:IconIndexType Simple Type

The **IconIndexType** simple type specifies the icons to display. <118>

```
<xs:simpleType name="IconIndexType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Default"/>
    <xs:enumeration value="PostItem"/>
    <xs:enumeration value="MailRead"/>
    <xs:enumeration value="MailUnread"/>
    <xs:enumeration value="MailReplied"/>
    <xs:enumeration value="MailForwarded"/>
    <xs:enumeration value="MailEncrypted"/>
    <xs:enumeration value="MailSmimeSigned"/>
    <xs:enumeration value="MailEncryptedReplied"/>
    <xs:enumeration value="MailSmimeSignedReplied"/>
    <xs:enumeration value="MailEncryptedForwarded"/>
    <xs:enumeration value="MailSmimeSignedForwarded"/>
    <xs:enumeration value="MailEncryptedRead"/>
    <xs:enumeration value="MailSmimeSignedRead"/>
    <xs:enumeration value="MailIrm"/>
    <xs:enumeration value="MailIrmForwarded"/>
    <xs:enumeration value="MailIrmReplied"/>
    <xs:enumeration value="SmsSubmitted"/>
    <xs:enumeration value="SmsRoutedToDeliveryPoint"/>
    <xs:enumeration value="SmsRoutedToExternalMessagingSystem"/>
    <xs:enumeration value="SmsDelivered"/>
    <xs:enumeration value="OutlookDefaultForContacts"/>
    <xs:enumeration value="AppointmentItem"/>
    <xs:enumeration value="AppointmentRecur"/>
    <xs:enumeration value="AppointmentMeet"/>
    <xs:enumeration value="AppointmentMeetRecur"/>
    <xs:enumeration value="AppointmentMeetNY"/>
    <xs:enumeration value="AppointmentMeetYes"/>
    <xs:enumeration value="AppointmentMeetNo"/>
    <xs:enumeration value="AppointmentMeetMaybe"/>
    <xs:enumeration value="AppointmentMeetCancel"/>
    <xs:enumeration value="AppointmentMeetInfo"/>
    <xs:enumeration value="TaskItem"/>
    <xs:enumeration value="TaskRecur"/>
    <xs:enumeration value="TaskOwned"/>
    <xs:enumeration value="TaskDelegated"/>
  </xs:restriction>
</xs:simpleType>
```

The following table describes the values defined by the **IconIndexType** simple type.

Value	Meaning
<b>Default</b>	Specifies the default icon.
<b>PostItem</b>	Specifies the icon for a post item ( <a href="#">[MS-OXWSPOST]</a> section 2.2.4.1).
<b>MailRead</b>	Specifies the mail read icon.
<b>MailUnread</b>	Specifies the unread mail icon.
<b>MailReplied</b>	Specifies the replied to mail icon.
<b>MailForwarded</b>	Specifies the forwarded mail icon.
<b>MailEncrypted</b>	Specifies the encrypted mail icon.
<b>MailSmimeSigned</b>	Specifies the <b>S/MIME (Secure/Multipurpose)</b>

Value	Meaning
	<b>Internet Mail Extensions</b> ) signed mail icon.
<b>MailEncryptedReplied</b>	Specifies the encrypted replied to mail icon.
<b>MailSmimeSignedReplied</b>	Specifies the S/MIME signed replied to mail icon.
<b>MailEncryptedForwarded</b>	Specifies the encrypted forwarded mail icon.
<b>MailSmimeSignedForwarded</b>	Specifies the S/MIME signed forwarded mail icon.
<b>MailEncryptedRead</b>	Specifies the encrypted read mail icon.
<b>MailSmimeSignedRead</b>	Specifies the S/MIME signed read mail icon.
<b>MailIrm</b>	Specifies the <b>Information Rights Management (IRM)</b> -protected mail icon.
<b>MailIrmForwarded</b>	Specifies the IRM-protected forwarded mail icon.
<b>MailIrmReplied</b>	Specifies the IRM-protected replied to mail icon.
<b>SmsSubmitted</b>	Specifies the icon mail submitted for <b>Short Message Service (SMS)</b> routing.
<b>SmsRoutedToDeliveryPoint</b>	Specifies the icon for SMS routing to an external delivery point.
<b>SmsRoutedToExternalMessagingSystem</b>	Specifies the icon for SMS routing to an external messaging system.
<b>SmsDelivered</b>	Specifies the SMS delivered mail icon.
<b>OutlookDefaultForContacts</b>	Specifies the default icon for contacts.
<b>AppointmentItem</b>	Specifies the appointment item icon.
<b>AppointmentRecur</b>	Specifies the recurring appointment icon.
<b>AppointmentMeet</b>	Specifies the meeting icon.
<b>AppointmentMeetRecur</b>	Specifies the recurring meeting icon.
<b>AppointmentMeetNY</b>	Specifies the icon for a tentative response to the meeting .
<b>AppointmentMeetYes</b>	Specifies the meeting acceptance icon.
<b>AppointmentMeetNo</b>	Specifies the meeting declined icon.
<b>AppointmentMeetMaybe</b>	Specifies the icon for a maybe response to the meeting.
<b>AppointmentMeetCancel</b>	Specifies the meeting cancel icon.
<b>AppointmentMeetInfo</b>	Specifies the meeting information icon.
<b>TaskItem</b>	Specifies the task item icon.
<b>TaskRecur</b>	Specifies the <b>recurring task</b> icon.
<b>TaskOwned</b>	Specifies the task owned icon.
<b>TaskDelegated</b>	Specifies the task delegated icon.

### 2.2.5.17 t:LegacyFreeBusyType Simple Type

The **LegacyFreeBusyType** simple type specifies the **free/busy status** for calendar items and meeting requests. The **LegacyFreeBusyType** simple type extends the xs:string data type ([XMLSCHEMA2] section 3.2.1).

```
<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 values that are defined by the **LegacyFreeBusyType** simple type are listed in the following table.

Value	Meaning
<b>Busy</b>	Specifies the status as busy.
<b>Free</b>	Specifies the status as free.
<b>NoData</b>	Specifies that there is no data for that recipient.
<b>OOF</b>	Specifies the status as <b>Out of Office (OOF)</b> .
<b>Tentative</b>	Specifies the status as tentative.
<b>WorkingElsewhere</b>	Specifies the status as working outside the office. <119>

### 2.2.5.18 t:MailboxTypeType Simple Type

The **MailboxTypeType** simple type specifies the type of **mailbox** that is represented by an e-mail address. The **MailboxTypeType** simple type extends the xs:string data type ([XMLSCHEMA2] section 3.2.1).

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

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

Value	Meaning
<b>Unknown</b>	Specifies an unknown type of mailbox. <a href="#">.&lt;120&gt;</a>
<b>OneOff</b>	Specifies a one-off member of a personal <b>distribution list</b> . The one-off member could not be found in Active Directory and does not have any properties. <a href="#">.&lt;121&gt;</a>
<b>Contact</b>	Specifies contact in a user's mailbox.
<b>Mailbox</b>	Specifies a mail-enabled directory service object.
<b>PrivateDL</b>	Specifies a private distribution list in a user's mailbox.
<b>PublicDL</b>	Specifies a public distribution list.
<b>PublicFolder</b>	Specifies a <b>public folder</b> .
<b>GroupMailbox</b>	Specifies a group mailbox. <a href="#">.&lt;122&gt;</a>

The **MailboxTypeType** simple type is used in the **EmailAddressType** complex type, as specified in section [2.2.4.31](#).

### 2.2.5.19 t:MonthNamesType Simple Type

The **MonthNamesType** simple type specifies the month in which a yearly recurring item occurs. The **MonthNamesType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>January</b>	Specifies that a yearly recurring item occurs in January.
<b>February</b>	Specifies that a yearly recurring item occurs in February.
<b>March</b>	Specifies that a yearly recurring item occurs in March.
<b>April</b>	Specifies that a yearly recurring item occurs in April.
<b>May</b>	Specifies that a yearly recurring item occurs in May.
<b>June</b>	Specifies that a yearly recurring item occurs in June.
<b>July</b>	Specifies that a yearly recurring item occurs in July.

Value	Meaning
<b>August</b>	Specifies that a yearly recurring item occurs in August.
<b>September</b>	Specifies that a yearly recurring item occurs in September.
<b>October</b>	Specifies that a yearly recurring item occurs in October.
<b>November</b>	Specifies that a yearly recurring item occurs in November.
<b>December</b>	Specifies that a yearly recurring item occurs in December.

### 2.2.5.20 t:NonEmptyStringType Simple Type

The **NonEmptyStringType** simple type specifies a string that **MUST** have a minimum of one character. The **NonEmptyStringType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<xs:simpleType name="NonEmptyStringType">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
  </xs:restriction>
</xs:simpleType>
```

### 2.2.5.21 t:PredictedActionReasonType Simple Type

The **PredictedActionReasonType** simple type is intended for internal use only. [.<123>](#)

```
<xs:simpleType name="PredictedActionReasonType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None"/>
    <xs:enumeration value="ConversationStarterIsYou"/>
    <xs:enumeration value="OnlyRecipient"/>
    <xs:enumeration value="ConversationContributions"/>
    <xs:enumeration value="MarkedImportantBySender"/>
    <xs:enumeration value="SenderIsManager"/>
    <xs:enumeration value="SenderIsInManagementChain"/>
    <xs:enumeration value="SenderIsDirectReport"/>
    <xs:enumeration value="ActionBasedOnSender"/>
    <xs:enumeration value="NameOnToLine"/>
    <xs:enumeration value="NameOnCcLine"/>
    <xs:enumeration value="ManagerPosition"/>
    <xs:enumeration value="ReplyToAMessageFromMe"/>
    <xs:enumeration value="PreviouslyFlagged"/>
    <xs:enumeration value="ActionBasedOnRecipients"/>
    <xs:enumeration value="ActionBasedOnSubjectWords"/>
    <xs:enumeration value="ActionBasedOnBasedOnBodyWords"/>
  </xs:restriction>
</xs:simpleType>
```

The following table describes the possible values of this type.

Value	Meaning
<b>None</b>	For internal use only.

<b>Value</b>	<b>Meaning</b>
<b>ConversationStarterIsYou</b>	For internal use only.
<b>OnlyRecipient</b>	For internal use only.
<b>ConversationContributions</b>	For internal use only.
<b>MarkedImportantBySender</b>	For internal use only.
<b>SenderIsManager</b>	For internal use only.
<b>SenderIsInManagementChain</b>	For internal use only.
<b>SenderIsDirectReport</b>	For internal use only.
<b>ActionBasedOnSender</b>	For internal use only.
<b>NameOnToLine</b>	For internal use only.
<b>NameOnCcLine</b>	For internal use only.
<b>ManagerPosition</b>	For internal use only.
<b>ReplyToAMessageFromMe</b>	For internal use only.
<b>PreviouslyFlagged</b>	For internal use only.
<b>ActionBasedOnRecipients</b>	For internal use only.
<b>ActionBasedOnSubjectWords</b>	For internal use only.
<b>ActionBasedOnBasedOnBodyWords</b>	For internal use only.



### 2.2.5.22 t:PredictedMessageType Simple Type

The **PredictedMessageType** simple type specifies the predicted next action to be taken. [<124>](#)

```
<xs:simpleType name="PredictedMessageType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None" />
    <xs:enumeration value="Respond" />
    <xs:enumeration value="FollowUp" />
    <xs:enumeration value="MoveToFolder" />
    <xs:enumeration value="Delete" />
    <xs:enumeration value="Read" />
    <xs:enumeration value="Ignore" />
  </xs:restriction>
</xs:simpleType>
```

The following table describes possible values.

Value	Description
<b>None</b>	The item has no predicted next action.
<b>Respond</b>	The predicted next action is a response.
<b>FollowUp</b>	The predicted next action is a followup.
<b>MoveToFolder</b>	The predicted next action is a move to a different folder.
<b>Delete</b>	The predicted next action is a deletion.
<b>Read</b>	The predicted next action is a read.
<b>Ignore</b>	The predicted next action is that the item will be ignored.

### 2.2.5.23 t:ResponseClassType Simple Type

The **ResponseClassType** simple type specifies the status states of a response. The **ResponseClassType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>Error</b>	Specifies that the request could not be processed.
<b>Success</b>	Specifies that the request was successfully processed.
<b>Warning</b>	Specifies that an unusual situation was encountered during the processing of the request and the request was not processed successfully.

### 2.2.5.24 m:ResponseCodeType Simple Type

The **ResponseCodeType** simple type specifies status information for the request. [<125>](#) The **ResponseCodeType** simple type extends the xs:string data type ([\[XMLSCHEMA2\]](#) section 3.2.1).

```
<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="ErrorArchiveFolderPathCreation"/>
    <xs:enumeration value="ErrorArchiveMailboxNotEnabled"/>
    <xs:enumeration value="ErrorArchiveMailboxServiceDiscoveryFailed"/>
    <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:restriction>
</xs:simpleType>
```

```

<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="ErrorCannotArchiveCalendarContactTaskFolderException"/>
<xs:enumeration value="ErrorCannotArchiveItemsInPublicFolders"/>
<xs:enumeration value="ErrorCannotArchiveItemsInArchiveMailbox"/>
<xs:enumeration value="ErrorCannotCreateCalendarItemInNonCalendarFolder"/>
<xs:enumeration value="ErrorCannotCreateContactInNonContactFolder"/>
<xs:enumeration value="ErrorCannotCreatePostItemInNonMailFolder"/>
<xs:enumeration value="ErrorCannotCreateTaskInNonTaskFolder"/>
<xs:enumeration value="ErrorCannotDeleteObject"/>
<xs:enumeration value="ErrorCannotDisableMandatoryExtension"/>
<xs:enumeration value="ErrorCannotFindUser"/>
<xs:enumeration value="ErrorCannotGetSourceFolderPath"/>
<xs:enumeration value="ErrorCannotGetExternalEcpUrl"/>
<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="ErrorCannotSpecifySearchFolderAsSourceFolder"/>
<xs:enumeration value="ErrorCannotUseFolderIdForItemId"/>
<xs:enumeration value="ErrorCannotUseItemIdForFolderId"/>
<xs:enumeration value="ErrorChangeKeyRequired"/>
<xs:enumeration value="ErrorChangeKeyRequiredForWriteOperations"/>
<xs:enumeration value="ErrorChannelSubscriptionAlreadyExists"/>
<xs:enumeration value="ErrorChannelSubscriptionNotFound"/>
<xs:enumeration value="ErrorClientDisconnected"/>
<xs:enumeration value="ErrorClientIntentInvalidStateDefinition"/>
<xs:enumeration value="ErrorClientIntentNotFound"/>
<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 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="ErrorExceededChannelSubscriptionCount"/>

<xs:enumeration value="ErrorExceededConnectionCount"/>
<xs:enumeration value="ErrorExceededSubscriptionCount"/>
<xs:enumeration value="ErrorExceededFindCountLimit"/>
<xs:enumeration value="ErrorExpiredSubscription"/>

```

```

<xs:enumeration value="ErrorExtensionNotFound"/>
<xs:enumeration value="ErrorFolderCorrupt"/>
<xs:enumeration value="ErrorFolderNotFound"/>
<xs:enumeration value="ErrorFolderPropertyRequestFailed"/>
<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="ErrorInternalServerErrorTransientError"/>
<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="ErrorInvalidChannelId"/>
<xs:enumeration value="ErrorInvalidChannelSubscriptionId"/>
<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="ErrorInvalidImDistributionGroupSmtppAddress"/>
<xs:enumeration value="ErrorInvalidImGroupId"/>
<xs:enumeration value="ErrorInvalidIndexedPagingParameters"/>
<xs:enumeration value="ErrorInvalidInternetHeaderChildNodes"/>
<xs:enumeration value="ErrorInvalidItemForOperationArchiveItem"/>
<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="ErrorInvalidLikeRequest"/>
<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="ErrorInvalidRetentionTagIdGuid"/>
<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="ErrorInvalidSmtptAddress"/>
<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="ErrorMailboxHoldNotFound"/>
<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="ErrorMultiLegacyMailboxAccess"/>
<xs:enumeration value="ErrorNameResolutionMultipleResults"/>
<xs:enumeration value="ErrorNameResolutionNoMailbox"/>
<xs:enumeration value="ErrorNameResolutionNoResults"/>
<xs:enumeration value="ErrorNewChannelConnectionOpened"/>
<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="ErrorNonPrimarySmtAddress"/>
<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"/>
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<xs:enumeration value="ErrorPromptPublishingOperationFailed"/>
<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="ErrorPublicFolderMailboxDiscoveryFailed"/>
<xs:enumeration value="ErrorPublicFolderOperationFailed"/>
<xs:enumeration value="ErrorPublicFolderRequestProcessingFailed"/>
<xs:enumeration value="ErrorPublicFolderServerNotFound"/>
<xs:enumeration value="ErrorPublicFolderSyncException"/>
<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="ErrorTeamMailboxNotFound"/>
<xs:enumeration value="ErrorTeamMailboxNotLinkedToSharePoint"/>
<xs:enumeration value="ErrorTeamMailboxUrlValidationFailed"/>
<xs:enumeration value="ErrorTeamMailboxNotAuthorizedOwner"/>
<xs:enumeration value="ErrorTeamMailboxActiveToPendingDelete"/>
<xs:enumeration value="ErrorTeamMailboxFailedSendingNotifications"/>
<xs:enumeration value="ErrorTeamMailboxErrorUnknown"/>
<xs:enumeration value="ErrorTimeIntervalTooBig"/>
<xs:enumeration value="ErrorTimeoutExpired"/>
<xs:enumeration value="ErrorTimeZone"/>
<xs:enumeration value="ErrorToFolderNotFound"/>
<xs:enumeration value="ErrorTokenSerializationDenied"/>
<xs:enumeration value="ErrorTooManyObjectsOpened"/>
<xs:enumeration value="ErrorUpdatePropertyMismatch"/>
<xs:enumeration value="ErrorUnifiedGroupMailboxAADCreationFailed"/>
<xs:enumeration value="ErrorUnifiedGroupMailboxAADDeleteFailed"/>
<xs:enumeration value="ErrorUnifiedGroupMailboxNamingPolicy"/>
<xs:enumeration value="ErrorUnifiedGroupMailboxDeleteFailed"/>

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<xs:enumeration value="ErrorUnifiedGroupMailboxNotFound"/>
<xs:enumeration value="ErrorUnifiedGroupMailboxUpdateDelayed"/>
<xs:enumeration value="ErrorUnifiedGroupMailboxUpdatedPartialProperties"/>
<xs:enumeration value="ErrorUnifiedGroupMailboxUpdateFailed"/>
<xs:enumeration value="ErrorUnifiedGroupMailboxProvisionFailed"/>
<xs:enumeration value="ErrorUnifiedMessagingDialPlanNotFound"/>
<xs:enumeration value="ErrorUnifiedMessagingReportDataNotFound"/>
<xs:enumeration value="ErrorUnifiedMessagingPromptNotFound"/>
<xs:enumeration value="ErrorUnifiedMessagingRequestFailed"/>
<xs:enumeration value="ErrorUnifiedMessagingServerNotFound"/>
<xs:enumeration value="ErrorUnableToGetUserOutOfSettings"/>
<xs:enumeration value="ErrorUnableToRemoveImContactFromGroup"/>
<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="ErrorValueOutOfRange"/>
<xs:enumeration value="ErrorVoiceMailNotImplemented"/>
<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:enumeration value="ErrorDuplicateLegacyDistinguishedName"/>
<xs:enumeration value="ErrorInvalidClientAccessTokenRequest"/>
<xs:enumeration value="ErrorNoSpeechDetected"/>
<xs:enumeration value="ErrorUMServerUnavailable"/>
<xs:enumeration value="ErrorRecipientNotFound"/>
<xs:enumeration value="ErrorRecognizerNotInstalled"/>

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<xs:enumeration value="ErrorSpeechGrammarError"/>
<xs:enumeration value="ErrorInvalidManagementRoleHeader"/>
<xs:enumeration value="ErrorLocationServicesDisabled"/>
<xs:enumeration value="ErrorLocationServicesRequestTimedOut"/>
<xs:enumeration value="ErrorLocationServicesRequestFailed"/>
<xs:enumeration value="ErrorLocationServicesInvalidRequest"/>
<xs:enumeration value="ErrorWeatherServiceDisabled"/>
<xs:enumeration value="ErrorMailboxScopeNotAllowedWithoutQueryString"/>
<xs:enumeration value="ErrorArchiveMailboxSearchFailed"/>
<xs:enumeration value="ErrorGetRemoteArchiveFolderFailed"/>
<xs:enumeration value="ErrorFindRemoteArchiveFolderFailed"/>
<xs:enumeration value="ErrorGetRemoteArchiveItemFailed"/>
<xs:enumeration value="ErrorExportRemoteArchiveItemsFailed"/>
<xs:enumeration value="ErrorInvalidPhotoSize"/>
<xs:enumeration value="ErrorSearchQueryHasTooManyKeywords"/>
<xs:enumeration value="ErrorSearchTooManyMailboxes"/>
<xs:enumeration value="ErrorInvalidRetentionTagNone"/>
<xs:enumeration value="ErrorDiscoverySearchesDisabled"/>
<xs:enumeration value="ErrorCalendarSeekToConditionNotSupported"/>
<xs:enumeration value="ErrorCalendarIsGroupMailboxForAccept"/>
<xs:enumeration value="ErrorCalendarIsGroupMailboxForDecline"/>
<xs:enumeration value="ErrorCalendarIsGroupMailboxForTentative"/>
<xs:enumeration value="ErrorCalendarIsGroupMailboxForSuppressReadReceipt"/>
<xs:enumeration value="ErrorOrganizationAccessBlocked"/>
<xs:enumeration value="ErrorInvalidLicense"/>
<xs:enumeration value="ErrorMessagePerFolderCountReceiveQuotaExceeded"/>
<xs:enumeration value="ErrorInvalidBulkActionType"/>
<xs:enumeration value="ErrorInvalidKeepNCount"/>
<xs:enumeration value="ErrorInvalidKeepNType"/>
<xs:enumeration value="ErrorNoOAuthServerAvailableForRequest"/>
<xs:enumeration value="ErrorInstantSearchSessionExpired"/>
<xs:enumeration value="ErrorInstantSearchTimeout"/>
<xs:enumeration value="ErrorInstantSearchFailed"/>
<xs:enumeration value="ErrorUnsupportedUserForExecuteSearch"/>
<xs:enumeration value="ErrorMissingExchangePrincipal"/>
<xs:enumeration value="ErrorUnexpectedUnifiedGroupsCount"/>
<xs:enumeration value="ErrorParsingXMLResponse"/>
<xs:enumeration value="ErrorInvalidFederationOrganizationIdentifier"/>
<xs:enumeration value="ErrorInvalidSweepRule"/>
<xs:enumeration value="ErrorInvalidSweepRuleOperationType"/>
<xs:enumeration value="ErrorTargetDomainNotSupported"/>
<xs:enumeration value="ErrorInvalidInternetWebProxyOnLocalServer"/>
<xs:enumeration value="ErrorNoSenderRestrictionsSettingsFoundInRequest"/>
<xs:enumeration value="ErrorDuplicateSenderRestrictionsInputFound"/>
<xs:enumeration value="ErrorSenderRestrictionsUpdateFailed"/>
<xs:enumeration value="ErrorMessageSubmissionBlocked"/>
<xs:enumeration value="ErrorExceededMessageLimit"/>
<xs:enumeration value="ErrorExceededMaxRecipientLimitBlock"/>
<xs:enumeration value="ErrorAccountSuspend"/>
<xs:enumeration value="ErrorExceededMaxRecipientLimit"/>
<xs:enumeration value="ErrorMessageBlocked"/>
<xs:enumeration value="ErrorAccountSuspendShowTierUpgrade"/>
<xs:enumeration value="ErrorExceededMessageLimitShowTierUpgrade"/>
<xs:enumeration value="ErrorExceededMaxRecipientLimitShowTierUpgrade"/>
<xs:enumeration value="ErrorInvalidLongitude"/>
<xs:enumeration value="ErrorInvalidLatitude"/>
</xs:restriction>
</xs:simpleType>

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

Value	Meaning
NoError	Specifies that no errors occurred.

Value	Meaning
<b>ErrorAccessDenied</b>	Specifies that the calling account does not have the rights to perform the action requested.
<b>ErrorAccessModeSpecified</b>	This error is for internal use only. This error is not returned.
<b>ErrorAccountDisabled</b>	Specifies that the account has been disabled.
<b>ErrorAddDelegatesFailed</b>	Occurs when a list with added <b>delegates</b> cannot be saved.
<b>ErrorAddressSpaceNotFound</b>	Specifies that the address space record, or <b>Domain Name System (DNS)</b> domain name, for cross-forest availability could not be found in the directory service.
<b>ErrorADOperation</b>	Specifies that the operation failed because of communication problems with the directory service.
<b>ErrorADSessionFilter</b>	Specifies that the <b>ResolveNames</b> operation request, as specified in <a href="#">[MS-OXWSRSLNM]</a> section 3.1.4.1, specifies an invalid name.
<b>ErrorADUnavailable</b>	Specifies that the directory service is unavailable. Try the request again later.
<b>ErrorAutoDiscoverFailed</b>	Specifies that the Autodiscover service failed.
<b>ErrorAffectedTaskOccurrencesRequired</b>	Specifies that the <b>AffectedTaskOccurrences</b> ( <a href="#">[MS-OXWSCORE]</a> section 3.1.4.3.3.2) property value is missing. This value is required when a task is being deleted.
<b>ErrorAttachmentNestLevelLimitExceeded</b>	Specifies that the attachment nest level limit has been exceeded.
<b>ErrorAttachmentSizeLimitExceeded</b>	Specifies that the size of the attachment exceeds Int32.MaxValue, in bytes.
<b>ErrorArchiveFolderPathCreation</b>	Specifies that there was an error in creating an archive folder path. <a href="#">&lt;126&gt;</a>
<b>ErrorArchiveMailboxNotEnabled</b>	Specifies that the archive mailbox is disabled. <a href="#">&lt;127&gt;</a>
<b>ErrorArchiveMailboxServiceDiscoveryFailed</b>	Specifies that the archive mailbox service failed to discover a mailbox. <a href="#">&lt;128&gt;</a>
<b>ErrorAvailabilityConfigNotFound</b>	Specifies that the availability configuration was not found. <a href="#">&lt;129&gt;</a>
<b>ErrorBatchProcessingStopped</b>	Specifies that the previous item in the request failed in such a way that the web service stopped processing the remaining items in the request. All remaining items are marked with the <b>ErrorBatchProcessingStopped</b> error.
<b>ErrorCalendarCannotMoveOrCopyOccurrence</b>	Specifies that an attempt was made to move or copy an occurrence of a recurring calendar item.
<b>ErrorCalendarCannotUpdateDeletedItem</b>	Specifies that an attempt was made to update a calendar item that is located in the <b>Deleted Items folder</b> , and the update in question would send out a meeting invite.
<b>ErrorCalendarCannotUseIdForOccurrenceId</b>	Specifies that the <b>OccurrenceId</b> ([MS-OXWSCORE] section 2.2.4.39) does not correspond to a valid occurrence of a recurring master item.
<b>ErrorCalendarCannotUseIdForRecurringMasterId</b>	Specifies that the <b>RecurringMasterId</b> ([MS-OXWSCORE]

Value	Meaning
<b>sterId</b>	section 2.2.4.35) does not correspond to a valid recurring master item.
<b>ErrorCalendarDurationIsTooLong</b>	Specifies that the item duration of a calendar item exceeds five years.
<b>ErrorCalendarEndDateIsEarlierThanStartDate</b>	Specifies that the end date/time MUST be changed so that it is greater than the start date/time.
<b>ErrorCalendarFolderIsInvalidForCalendarView</b>	Specifies that the find operation that is using the <b>CalendarViewType</b> object ([MS-OXWSMTGS] section 2.2.4.9) is not for a calendar folder.
<b>ErrorCalendarInvalidAttributeValue</b>	This response code is not used.
<b>ErrorCalendarInvalidDayForTimeChangePattern</b>	Specifies that invalid values of <b>Day</b> , <b>Weekday</b> and <b>WeekendDay</b> (section 2.2.5.5), were used to define the time change pattern.
<b>ErrorCalendarInvalidDayForWeeklyRecurrence</b>	Specifies that invalid values were used to specify the weekly recurrence. <130>
<b>ErrorCalendarInvalidPropertyState</b>	Specifies that the state of the calendar item recurrence <b>binary large object (BLOB)</b> in the store is invalid.
<b>ErrorCalendarInvalidPropertyValue</b>	This response code is not used.
<b>ErrorCalendarInvalidRecurrence</b>	Specifies that the internal structure of the objects that represent the recurrence is invalid.
<b>ErrorCalendarInvalidTimeZone</b>	Specifies that an invalid time zone was encountered.
<b>ErrorCalendarIsCancelledForAccept</b>	Specifies that a calendar item has been cancelled. This error code MUST be returned when responding to a meeting request with an <b>t:AcceptItemType</b> ([MS-OXWSMTGS] section 2.2.4.1) response object after a meeting has been cancelled.
<b>ErrorCalendarIsCancelledForDecline</b>	Specifies that a calendar item has been cancelled. This error code MUST be returned when responding to a meeting request with a <b>t:DeclineItemType</b> ([MS-OXWSMTGS] section 2.2.4.11) response object after a meeting has been cancelled.
<b>ErrorCalendarIsCancelledForRemove</b>	Specifies that a calendar item has been cancelled. This error code MUST be returned when responding to a meeting request with a <b>t:RemoveItemType</b> ([MS-OXWSMTGS] section 2.2.4.26) response object after a meeting has been cancelled.
<b>ErrorCalendarIsCancelledForTentative</b>	Specifies that a calendar item has been cancelled. This error code MUST be returned when responding to a meeting request with a <b>t:TentativelyAcceptItemType</b> [MS-OXWSMTGS] section 2.2.4.27) response object after a meeting has been cancelled.
<b>ErrorCalendarIsDelegatedForAccept</b>	Specifies that delegate access cannot be used to accept a meeting request.
<b>ErrorCalendarIsDelegatedForDecline</b>	Specifies that delegate access cannot be used to decline a meeting request.
<b>ErrorCalendarIsDelegatedForRemove</b>	Specifies that delegate access cannot be used to delete a meeting request.
<b>ErrorCalendarIsDelegatedForTentative</b>	Specifies that delegate access cannot be used to tentatively

Value	Meaning
	accept a meeting request.
<b>ErrorCalendarIsNotOrganizer</b>	Specifies that a meeting cannot be canceled by someone other than the organizer.
<b>ErrorCalendarIsOrganizerForAccept</b>	Specifies that the meeting organizer cannot accept the meeting. Only attendees can accept meeting requests.
<b>ErrorCalendarIsOrganizerForDecline</b>	Specifies that the meeting organizer cannot decline the meeting. Only attendees can decline meeting requests.
<b>ErrorCalendarIsOrganizerForRemove</b>	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.
<b>ErrorCalendarIsOrganizerForTentative</b>	Specifies that the meeting organizer cannot tentatively accept a meeting. Only attendees can tentatively accept meeting requests.
<b>ErrorCalendarOccurrenceIndexIsOutOfRecurrenceRange</b>	Occurs when the occurrence index that is specified in the <b>OccurrenceId</b> property does not correspond to a valid occurrence. (for example, if the <b>recurrence pattern</b> defines a set of three meeting occurrences and an attempt is made to access the fifth occurrence).
<b>ErrorCalendarOccurrenceIsDeletedFromRecurrence</b>	Occurs when the occurrence index that is specified in the <b>OccurrenceId</b> property corresponds to a deleted instance.
<b>ErrorCalendarOutOfRange</b>	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.
<b>ErrorCalendarMeetingRequestIsOutOfDate</b>	Specifies that the calendar item associated with the meeting request has been updated since the meeting request was sent.
<b>ErrorCalendarViewRangeTooBig</b>	Occurs when the range for calendar paging is larger than two years.
<b>ErrorCallerIsInvalidADAccount</b>	Specifies that the requesting account is not a valid account in the directory database.
<b>ErrorCannotArchiveCalendarContactTaskFolderException</b>	Specifies that an attempt was made to archive a calendar contact task folder. <131>
<b>ErrorCannotArchiveItemsInPublicFolders</b>	Specifies that an attempt was made to archive items in public folders. <132>
<b>ErrorCannotArchiveItemsInArchiveMailbox</b>	Specifies that an attempt was made to archive items in the archive mailbox. <133>
<b>ErrorCannotCreateCalendarItemInNonCalendarFolder</b>	Occurs when a user is creating a calendar item and the <b>SavedItemFolderId</b> property refers to a folder other than the <b>Calendar folder</b> .
<b>ErrorCannotCreateContactInNonContactFolder</b>	Specifies that an attempt was made to create a contact in a folder other than the <b>Contacts folder</b> .
<b>ErrorCannotCreatePostItemInNonMailFolder</b>	Specifies that a post item can be created only in a Mail folder.
<b>ErrorCannotCreateTaskInNonTaskFolder</b>	Occurs when a user is creating a task and the <b>SavedItemFolderId</b> property ([MS-OXWSCORE] section

Value	Meaning
	3.1.4.2.3.2) refers to a folder other than the Tasks folder.
<b>ErrorCannotDeleteObject</b>	Specifies that the item or folder to be deleted cannot be deleted.
<b>ErrorCannotDeleteTaskOccurrence</b>	Specifies that an occurrence of a nonrecurring task cannot be deleted, and the last occurrence of a recurring task cannot be deleted.
<b>ErrorCannotDisableMandatoryExtension</b>	Specifies that an attempt was made to disable a required extension.
<b>ErrorCannotEmptyFolder</b>	This error MUST be returned when the server cannot empty a folder.
<b>ErrorCannotFindUser</b>	Specifies that the user cannot be found.
<b>ErrorCannotGetSourceFolderPath</b>	Specifies that the source folder path could not be retrieved. <134>
<b>ErrorCannotGetExternalEcpUrl</b>	Specifies that the server could not retrieve the external URL. <135>
<b>ErrorCannotOpenFileAttachment</b>	Occurs when the attachment stream does not open.
<b>ErrorCannotSetCalendarPermissionOnNonCalendarFolder</b>	Specifies that the caller tried to set calendar permissions on a folder other than the Calendar folder.
<b>ErrorCannotSetNonCalendarPermissionOnCalendarFolder</b>	Specifies that the caller tried to set non-Calendar folder permissions on a Calendar folder.
<b>ErrorCannotSetPermissionUnknownEntries</b>	Specifies that unknown permissions cannot be set in a permissions set.
<b>ErrorCannotSpecifySearchFolderAsSourceFolder</b>	Specifies that an attempt was made to set the search folder as source folder. <136>
<b>ErrorCannotUseFolderIdForItemId</b>	Occurs when the ID that was passed represents a folder instead of an item.
<b>ErrorCannotUseItemIdForFolderId</b>	Occurs when the ID that was passed in represents an item instead of a folder.
<b>ErrorChangeKeyRequired</b>	This response code has been replaced by <b>ErrorChangeKeyRequiredForWriteOperations</b> .
<b>ErrorChangeKeyRequiredForWriteOperations</b>	Specifies that a valid change key MUST be provided when certain update operations are being performed.
<b>ErrorChannelSubscriptionAlreadyExists</b>	For internal use only. <137>
<b>ErrorChannelSubscriptionNotFound</b>	For internal use only. <138>
<b>ErrorClientDisconnected</b>	Specifies that the client was disconnected.
<b>ErrorClientIntentInvalidStateDefinition</b>	Specifies that the state of a changed appointment is not valid. <139>
<b>ErrorClientIntentNotFound</b>	Specifies that the reason for changing an appointment was not found. <140>
<b>ErrorConnectionFailed</b>	Occurs when the web service cannot connect to the mailbox.

Value	Meaning
<b>ErrorContainsFilterWrongType</b>	Specifies that the property inspected for a <b>Contains</b> filter is not a string type. This error code MUST be returned when a <b>Contains</b> filter is used with a property that is not a string type.
<b>ErrorContentConversionFailed</b>	Occurs when the web service is unable to retrieve the <b>Multipurpose Internet Mail Extensions (MIME)</b> content for the item that was retrieved by the <b>GetItem</b> method, or it is unable to create the item from the <b>CreateItem</b> method.
<b>ErrorContentIndexingNotEnabled</b>	The content indexing service is not enabled. <141>
<b>ErrorCorruptData</b>	Specifies that the data is corrupted and cannot be processed.
<b>ErrorCreateItemAccessDenied</b>	Specifies that the caller does not have the necessary permissions to create the item.
<b>ErrorCreateManagedFolderPartialCompletion</b>	Specifies that one or more of the managed folders that were passed to the <b>CreateManagedFolder</b> method failed to be created. Search for each folder to determine which folders were created and which ones do not exist.
<b>ErrorCreateSubfolderAccessDenied</b>	Specifies that the calling account does not have the proper permissions to create the subfolder.
<b>ErrorCrossMailboxMoveCopy</b>	Specifies that the item or folder cannot be moved from one mailbox to another.
<b>ErrorCrossSiteRequest</b>	Specifies that the request is not allowed because the server that services the request is in a different site than the requested resource.
<b>ErrorDataSizeLimitExceeded</b>	Specifies that either the data that the user was 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.
<b>ErrorDataSourceOperation</b>	Occurs when the underlying data provider failed to complete the operation.
<b>ErrorDelegateAlreadyExists</b>	Occurs in an <b>AddDelegate</b> method ([MS-OXWSDLGM] section 3.1.4.1) call when the specified user already exists in the list of delegates.
<b>ErrorDelegateCannotAddOwner</b>	Occurs in an <b>AddDelegate</b> method call when the specified user to be added is the owner of the mailbox.
<b>ErrorDelegateMissingConfiguration</b>	Occurs in a <b>GetDelegate</b> method ([MS-OXWSDLGM] section 3.1.4.1) call when there is either no delegate information on a local <b>free/busy message</b> or no Active Directory directory service public delegate (no public delegate or no Send On Behalf entry in the directory service).
<b>ErrorDelegateNoUser</b>	Occurs when a specified user cannot be mapped to a user in the directory service.
<b>ErrorDelegateValidationFailed</b>	Occurs in an <b>AddDelegate</b> method call when an added delegate user is not valid.
<b>ErrorDeleteDistinguishedFolder</b>	Specifies that a distinguished folder cannot be deleted.
<b>ErrorDeleteItemsFailed</b>	This response code is not used.

Value	Meaning
<b>ErrorDeleteUnifiedMessagingPromptFailed</b>	The custom prompt files specified could not be removed. <a href="#">&lt;142&gt;</a>
<b>ErrorDistinguishedUserNotSupported</b>	Specifies that a distinguished user ID is not valid for the operation. The <b>DistinguishedUserType</b> simple type SHOULD NOT be present in the request.
<b>ErrorDistributionListMemberNotExist</b>	Specifies that a particular request <b>distribution list</b> member does not exist in the distribution list.
<b>ErrorDuplicateInputFolderNames</b>	Occurs when there are duplicate folder names in the array that was passed to the <b>CreateManagedFolder</b> method.
<b>ErrorDuplicateUserIdsSpecified</b>	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.
<b>ErrorEmailAddressMismatch</b>	Occurs when the e-mail address for the distinguished folder ID does not match the mailbox that is being operated on. For example, a search folder cannot be created that exists in one mailbox but considers distinguished folders from another mailbox in its search criteria.
<b>ErrorEventNotFound</b>	Specifies that the subscription that was created with a particular watermark is no longer valid.
<b>ErrorExceededChannelSubscriptionCount</b>	For internal use only. <a href="#">&lt;143&gt;</a>
<b>ErrorExceededConnectionCount</b>	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.
<b>ErrorExceededSubscriptionCount</b>	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.
<b>ErrorExceededFindCountLimit</b>	Specifies that a search operation call has exceeded the total number of items that can be returned.
<b>ErrorExpiredSubscription</b>	Specifies that the subscription that is referenced by the <b>GetEvents</b> method ( <a href="#">[MS-OXWSNTIF]</a> section 3.1.4.1) has expired.
<b>ErrorExtensionNotFound</b>	Specifies that the desired extension was not found. <a href="#">&lt;144&gt;</a>
<b>ErrorFolderCorrupt</b>	Specifies that the folder is corrupted and cannot be saved.
<b>ErrorFolderNotFound</b>	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.
<b>ErrorFolderPropertRequestFailed</b>	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.
<b>ErrorFolderSave</b>	Specifies that the folder save operation did not succeed.
<b>ErrorFolderSaveFailed</b>	Specifies that the folder save operation failed or partially succeeded.
<b>ErrorFolderSavePropertyError</b>	Specifies that the folder could not be created or updated

Value	Meaning
	because of invalid property values. The response code lists the properties that caused the problem.
<b>ErrorFolderExists</b>	Specifies that a folder that has the specified name already exists. Duplicate folder names are not allowed within the same parent folder.
<b>ErrorFreeBusyGenerationFailed</b>	Occurs when free/busy information cannot be retrieved because of an intervening failure.
<b>ErrorGetServerSecurityDescriptorFailed</b>	This response code is not used.
<b>ErrorImContactLimitReached</b>	The maximum limit for IM contacts has been reached. <145>
<b>ErrorImGroupDisplayNameAlreadyExists</b>	The group display name already exists. <146>
<b>ErrorImGroupLimitReached</b>	The maximum number of IM groups has been reached. <147>
<b>ErrorImpersonateUserDenied</b>	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.
<b>ErrorImpersonationDenied</b>	Specifies that the calling account does not have the ms-Exch-EPI-Impersonation right on the server that it is calling. This response code is returned within a <b>SOAP fault</b> .
<b>ErrorImpersonationFailed</b>	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 web service application pool is configured incorrectly, that the web service cannot talk to the directory, or that a trust between forests is not correctly configured.
<b>ErrorIncorrectSchemaVersion</b>	Specifies that the request was valid for the current server version but was invalid for the request server version that was specified.
<b>ErrorIncorrectUpdatePropertyCount</b>	Specifies that each change description in an <b>UpdateItem</b> or <b>UpdateFolder</b> method call MUST list only one property to be updated.
<b>ErrorIndividualMailboxLimitReached</b>	Occurs when the request contains too many attendees to be resolved. By default, the maximum number of attendees to be resolved is 100.
<b>ErrorInsufficientResources</b>	Specifies that the mailbox server is overloaded. Try the request again later.
<b>ErrorInternalServerError</b>	Specifies that the web service encountered an error that it could not recover from, and there is not a more specific response code associated with the error that occurred.
<b>ErrorInternalServerTransientError</b>	Specifies that an internal server error occurred and that the request SHOULD be tried again later.
<b>ErrorInvalidAccessLevel</b>	Specifies that the level of access that the caller has on the free/busy data is invalid.
<b>ErrorInvalidArgument</b>	Specifies an error caused by all invalid arguments passed to the <b>GetMessageTrackingReport</b> operation, as specified in



Value	Meaning
	<p>[MS-OXWSMTRK] section 3.1.4.2. This error MUST be returned in the following scenarios:</p> <ul style="list-style-type: none"> <li>The user specified in the sending-as parameter does not exist in the directory.</li> <li>The user specified in the sending-as parameter is not unique in the directory.</li> <li>The sending-as address is empty.</li> <li>The sending-as address is not a valid e-mail address.</li> </ul>
<b>ErrorInvalidAttachmentId</b>	Specifies that the attachment was not found within the attachments collection for the item. For example, this response code might be generated if there is an attachment ID and then the attachment is deleted and the <b>GetAttachment</b> method is called on the attachment ID.
<b>ErrorInvalidAttachmentSubfilter</b>	Occurs when an attempt is made to bind an existing search folder by using a complex attachment table restriction. The web service supports only simple contains filters against the attachment table. If an attempt is made to bind an existing search folder that has a more complex attachment table restriction (a subfilter), the web service cannot render the XML for that filter and returns this response code. Note that the <b>GetFolder</b> method can still be called on the folder, but do not request the <b>SearchParameters</b> property.
<b>ErrorInvalidAttachmentSubfilterTextFilter</b>	Occurs when an attempt is made to bind an existing search folder by using a complex attachment table restriction. The web service supports only simple contains filters against the attachment table. If an attempt is made to bind an existing search folder that has a more complex attachment table restriction, the web service cannot render the XML for that filter. In this case, the attachment subfilter contains a text filter, but it is not looking at the attachment display name. Note that the <b>GetFolder</b> method can still be called on the folder, but do not request the <b>SearchParameters</b> property.
<b>ErrorInvalidAuthorizationContext</b>	Specifies a failure to proxy an availability request to a more applicable server.
<b>ErrorInvalidChangeKey</b>	Specifies that an invalid change key was passed in. Note that many methods do not require a change key to be passed. However, if a change key is provided, it MUST be valid, although it does not necessarily have to be up-to-date.
<b>ErrorInvalidChannelId</b>	For internal use only.
<b>ErrorInvalidChannelSubscriptionId</b>	For internal use only. <148>
<b>ErrorInvalidClientSecurityContext</b>	Specifies that there was an internal error when an attempt was made to resolve the identity of the caller.
<b>ErrorInvalidCompleteDate</b>	Occurs when an attempt is made to set the <b>CompleteDate</b> ([MS-OXWSTASK] section 2.2.4.6) of a task to a time in the future. When it is converted to the local time of the server, the <b>CompleteDate</b> cannot be set to a value that is later than the local time on the server.
<b>ErrorInvalidContactEmailAddress</b>	Specifies that an invalid e-mail address was provided for a

Value	Meaning
	contact.
<b>ErrorInvalidContactEmailIndex</b>	Specifies that an invalid e-mail index value was provided for an e-mail entry.
<b>ErrorInvalidCrossForestCredentials</b>	Occurs when an availability request is proxied to a server in another forest.
<b>ErrorInvalidDelegatePermission</b>	Specifies that the specified folder permissions are invalid.
<b>ErrorInvalidDelegateUserId</b>	Specifies that the specified delegate user ID is invalid.
<b>ErrorInvalidExcludesRestriction</b>	Specifies that the bitmask that was passed into the Excludes restriction could not be parsed.
<b>ErrorInvalidExpressionTypeForSubFilter</b>	This response code is not used.
<b>ErrorInvalidExtendedProperty</b>	Occurs when the combination of extended property values that was specified are invalid, or when those values result in an invalid extended property <b>Uniform Resource Identifier (URI)</b> .
<b>ErrorInvalidExtendedPropertyValue</b>	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 <b>PropertyType</b> ([MS-OXWSXPROP] section 2.1.6) property on the extended field URI is set to <b>string</b> , but the value of the extended property is set as an array of integers, this response code will be generated.
<b>ErrorInvalidFolderId</b>	Occurs when the folder ID is corrupted.
<b>ErrorInvalidFolderTypeForOperation</b>	Specifies that the specified folder type is invalid for the current operation. For example, a Search folder cannot be created in a <b>public folder</b> .
<b>ErrorInvalidFractionalPagingParameters</b>	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 denominator that is less than or equal to 0 (zero).
<b>ErrorInvalidFreeBusyViewType</b>	Occurs if a <b>FreeBusyViewType</b> of <b>None</b> ([MS-OXWSXPROP] section 2.1.6) is requested.
<b>ErrorInvalidId</b>	Specifies that the structure of the ID and/or change key is internally inconsistent.
<b>ErrorInvalidIdEmpty</b>	Specifies that the caller specified an ID that is empty.
<b>ErrorInvalidIdMalformed</b>	Specifies that the structure of the ID is internally inconsistent.
<b>ErrorInvalidIdMalformedEwsLegacyIdFormat</b>	Specifies that a folder or item ID is using a server schema version format that is not supported by the server. <149> The <b>ConvertId</b> method ([MS-OXWSCVTID] section 3.1.4.1) MUST be used to convert them first.
<b>ErrorInvalidIdMonikerTooLong</b>	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.
<b>ErrorInvalidIdNotAnItemAttachmentId</b>	Occurs when the <b>AttachmentId</b> property ([MS-OXWSATTI]

Value	Meaning
	section 2.2.4.4) does not refer to an item attachment.
<b>ErrorInvalidIdReturnedByResolveNames</b>	Specifies that a contact in the mailbox is corrupt.
<b>ErrorInvalidIdStoreObjectIdTooLong</b>	Occurs when the structure of the ID is internally inconsistent.
<b>ErrorInvalidIdTooManyAttachmentLevels</b>	Specifies that the attachment hierarchies exceed the maximum of 255 levels deep.
<b>ErrorInvalidIdXml</b>	This response code is not used.
<b>ErrorInvalidImContactId</b>	The IM contact Id is not valid. <150>
<b>ErrorInvalidImDistributionGroupSmtpAddress</b>	The IM distribution group <b>SMTP</b> address is invalid. <151>
<b>ErrorInvalidImGroupId</b>	The IM group Id is invalid. <152>
<b>ErrorInvalidIndexedPagingParameters</b>	Occurs if the offset for indexed paging is less than 0 (zero).
<b>ErrorInvalidInternetHeaderChildNodes</b>	This response code is not used.
<b>ErrorInvalidItemForOperationCreateItemAttachment</b>	Specifies that an attempt was made to create an item attachment by using an unsupported item type. Supported item types for item attachments include <b>ItemType</b> ([MS-OXWSCORE] section 2.2.4.24), <b>MessageType</b> ([MS-OXWSMSG] section 2.2.4.3), <b>CalendarItemType</b> ([MS-OXWSMTGS] section 2.2.4.6), <b>TaskType</b> ([MS-OXWSTASK] section 2.2.4.6), and <b>ContactItemType</b> ([MS-OXWSCONT] section 2.2.4.3) objects. For example, if a <b>MeetingMessage</b> attachment is created, this response code will be generated.
<b>ErrorInvalidItemForOperationArchiveItem</b>	Specifies that an attempt was made to archive an unsupported item. <153>
<b>ErrorInvalidItemForOperationCreateItem</b>	Specifies that an attempt was made to create an unsupported item. Supported items include <b>ItemType</b> , <b>MessageType</b> , <b>CalendarItemType</b> , <b>TaskType</b> , and <b>ContactItemType</b> objects. For example, a <b>DistributionList</b> object cannot be created by using the <b>CreateItem</b> method. In addition, certain types are created as a side effect of doing something else. <b>MeetingMessage</b> ([MS-OXWSATT] section 2.2.4.6) objects, for example, are created when a calendar item is sent to attendees; these types are not explicitly created.
<b>ErrorInvalidItemForOperationAcceptItem</b>	Occurs when an <b>AcceptItemType</b> object ([MS-OXWSMTGS] section 2.2.4.1) 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.
<b>ErrorInvalidItemForOperationDeclineItem</b>	Specifies that a <b>DeclineItemType</b> object ([MS-OXWSMTGS] section 2.2.4.11) was created on something other than a meeting request or a calendar item, or that an attempt was made to decline a calendar item occurrence that is in the Deleted Items folder.
<b>ErrorInvalidItemForOperationCancelItem</b>	Occurs when a <b>CancelCalendarItemType</b> object ([MS-OXWSMTGS] section 2.2.4.10) is created for something other than a calendar item.
<b>ErrorInvalidItemForOperationExpandDL</b>	Occurs when the instance of the <b>ExpandDLType</b> ([MS-OXWSDLIST] section 3.1.4.1.1.3) class that was passed to the

Value	Meaning
	<b>ExpandDL</b> ([MS-OXWSDLIST] section 3.1.4.1) method does not represent a distribution list.
<b>ErrorInvalidItemForOperationRemoveItem</b>	Occurs when a <b>RemoveItemType</b> object ([MS-OXWSMTGS] section 2.2.4.26) is created for an item other than a meeting cancellation.
<b>ErrorInvalidItemForOperationSendItem</b>	Occurs if the <b>SendItem</b> method ([MS-OXWSCORE] section 3.1.4.8) was attempted on an item other than a message item. Only items whose <b>ItemClass</b> property value begins with <b>IPM.Note</b> ([MS-OXWSCORE] section 3.1.4.9.3.3) can be sent.
<b>ErrorInvalidItemForOperationTentative</b>	Occurs if a <b>TentativelyAcceptItemType</b> object ([MS-OXWSMTGS] section 2.2.4.27) was created on an item other than a calendar item or meeting request. Also occurs if the <b>TentativelyAcceptItemType</b> object was created for a calendar item occurrence that is in the Deleted Items folder.
<b>ErrorInvalidLogonType</b>	This error is for internal use only. This error is not returned.
<b>ErrorInvalidLikeRequest</b>	The item cannot be Liked. <a href="#">&lt;154&gt;</a>
<b>ErrorInvalidMailbox</b>	<p>Specifies that the <b>CreateItem</b> or <b>UpdateItem</b> operation failed while creating or updating a personal distribution list. This error MUST be returned under the following conditions:</p> <ul style="list-style-type: none"> <li>A member is not accessible by using an item identifier to identify the member's mailbox. The following <b>m:ResponseMessageType</b> XML MUST be returned for this scenario: <pre>&lt;m:MessageText&gt;Mailbox is invalid. Verify the specified Mailbox property.&lt;/m:MessageText&gt; &lt;m:ResponseCode&gt;ErrorInvalidMailbox&lt;/m:ResponseCode&gt; &lt;m:MessageXml&gt;   &lt;t:FieldURI     FieldURI="distributionlist:Members"/&gt;   &lt;t:Value     Name="Inner.ResponseCode"&gt;ErrorNonExistentMailbox   &lt;/t:Value&gt;   &lt;t:Value Name="Inner.MessageText"&gt;No mailbox with such guid.&lt;/t:Value&gt; &lt;/m:MessageXml&gt;</pre> </li> <li>The specified identifier is for a private distribution list but the <b>MailboxTypeType</b> simple type (section <a href="#">2.2.5.18</a>) is not set to <b>PrivateDL</b>. The <b>MessageText</b> element of the <b>ResponseMessageType</b> complex type (section <a href="#">2.2.4.66</a>) MUST contain the following text: <b>MailboxType</b> SHOULD be <b>PrivateDL</b> or not specified.</li> <li>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 <b>MessageText</b> element of the <b>ResponseMessageType</b> complex type (section <a href="#">2.2.4.66</a>) MUST contain the following text: The contact address</li> </ul>

Value	Meaning
	<p>wasn't found.</p> <ul style="list-style-type: none"> <li> <p>The specified identifier is for a folder instead of a contact or private distribution list store item identifier. The following <b>ResponseMessageType</b> complex type (section 2.2.4.66) XML MUST be returned for this scenario:</p> <pre> &lt;m:MessageText&gt;Mailbox is invalid. Verify the specified Mailbox property.&lt;/m:MessageText&gt; &lt;m:ResponseCode&gt;ErrorInvalidMailbox&lt;/m:ResponseCo de&gt; &lt;m:MessageXml&gt;   &lt;t:FieldURI FieldURI="distributionlist:Members"/&gt;   &lt;t:Value Name="Inner.ResponseCode"&gt;ErrorCannotUseFolderIdF orItemId&lt;/t:Value&gt;   &lt;t:Value Name="Inner.MessageText"&gt;Expected an item Id but received a folder Id.&lt;&lt;/t:Value&gt; &lt;/m:MessageXml&gt; </pre> </li> <li> <p>The specified identifier does not represent either a contact or private distribution list. The following <b>m:ResponseMessageType</b> XML MUST be returned for this scenario where <b>MemberIndex</b> represents the index of the identifier that caused the error:</p> <pre> &lt;m:MessageText&gt;The ID of this item can't be used for a recipient, attendee, or group member.&lt;/m:MessageText&gt; &lt;m:ResponseCode&gt;ErrorInvalidMailbox&lt;/m:ResponseCo de&gt; &lt;m:MessageXml&gt;   &lt;t:FieldURI FieldURI="distributionlist:Members"/&gt;   &lt;t:Value Name="MemberIndex"&gt;7&lt;/t:Value&gt; &lt;/m:MessageXml&gt; </pre> </li> <li> <p>The mailbox is not specified by either an <b>EmailAddress</b> or <b>ItemId</b> element in the <b>Mailbox</b> element of the <b>EmailAddressType</b>. The following <b>m:ResponseMessageType</b> XML MUST be returned for this scenario where <b>MemberIndex</b> represents the index of the identifier that caused the error:</p> <pre> &lt;m:MessageText&gt;EmailAddress or ItemId MUST be included in the request.&lt;/m:MessageText&gt; &lt;m:ResponseCode&gt;ErrorInvalidMailbox&lt;/m:ResponseCo de&gt; &lt;m:MessageXml&gt;   &lt;t:FieldURI FieldURI="distributionlist:Members"/&gt;   &lt;t:Value Name="MemberIndex"&gt;0&lt;/t:Value&gt; &lt;/m:MessageXml&gt; </pre> </li> </ul>

Value	Meaning
	<ul style="list-style-type: none"> <li>▪ The member with the specified email address does not exist in the directory. The following <b>m:ResponseMessageType</b> XML MUST be returned for this scenario where <b>MemberIndex</b> represents the index of the identifier that caused the error: <pre data-bbox="800 390 1429 630"> &lt;m:MessageText&gt; Couldn't find the recipient in Active Directory. Change MailboxType to OneOff or remove it.&lt;/m:MessageText&gt; &lt;m:ResponseCode&gt;ErrorInvalidMailbox&lt;/m:ResponseCode&gt; &lt;m:MessageXml&gt;   &lt;t:FieldURI     FieldURI="distributionlist:Members"/&gt;   &lt;t:Value Name="MemberIndex"&gt;1&lt;/t:Value&gt; &lt;/m:MessageXml&gt; </pre> </li> <li>▪ A user with the specified email address does exist in the AD, but the specified <b>MailboxType</b> does not match user type in the directory. The following <b>m:ResponseMessageType</b> XML MUST be returned for this scenario where <b>MemberIndex</b> represents the index of the identifier that caused the error: <pre data-bbox="800 879 1429 1167"> &lt;m:MessageText&gt;MailboxType does not correspond to AD user recipient type.&lt;/m:MessageText&gt; &lt;m:ResponseCode&gt;ErrorInvalidMailbox&lt;/m:ResponseCode&gt; &lt;m:MessageXml&gt; &lt;t:FieldURI FieldURI="distributionlist:Members" /&gt; &lt;t:Value Name="Property"&gt;MailboxType&lt;/t:Value&gt; &lt;t:Value Name="Value"&gt;PublicFolder&lt;/t:Value&gt; &lt;t:Value Name="ExpectedValue"&gt;Mailbox&lt;/t:Value&gt; &lt;t:Value Name="MemberIndex"&gt;0&lt;/t:Value&gt; &lt;/m:MessageXml&gt; </pre> </li> </ul> <p data-bbox="750 1220 1429 1297">The <b>MessageXML</b> element of the <b>m:ResponseMessageType</b> as specified in section 2.2.4.66, MUST contain the following XML when a member cannot be created or updated.</p> <pre data-bbox="800 1325 1325 1442"> &lt;m:MessageXml&gt;   &lt;t:FieldURI     FieldURI="distributionlist:Members"/&gt;   &lt;t:Value Name="MemberIndex"&gt;4&lt;/t:Value&gt; &lt;/m:MessageXml&gt; </pre> <p data-bbox="750 1520 1414 1598">The <b>MemberIndex</b> value MUST specify the failing member from the either an <b>UpdateItem</b> or <b>CreateItem</b> request. The <b>MemberIndex</b> is a 0-based index.</p>
<b>ErrorInvalidManagedFolderProperty</b>	Specifies that the structure of the managed folder is corrupted and cannot be rendered.
<b>ErrorInvalidManagedFolderQuota</b>	Specifies that the quota that is set on the managed folder is less than zero, which indicates a corrupted managed folder.
<b>ErrorInvalidManagedFolderSize</b>	Specifies that the size that is set on the managed folder is less

Value	Meaning
	than zero, which indicates a corrupted managed folder.
<b>ErrorInvalidMergedFreeBusyInterval</b>	Specifies that the supplied merged free/busy interval value is invalid. The default minimum value is 5 minutes. The default maximum value is 1440 minutes.
<b>ErrorInvalidNameForNameResolution</b>	Specifies that the name that was passed into the <b>ResolveNames</b> method was invalid. For example, a zero-length string, a single space, a comma, and a dash are all invalid names.
<b>ErrorInvalidOperation</b>	This is a general error that is used when the requested operation is invalid. For example, this error can indicate that any of the following has been attempted: <ul style="list-style-type: none"> <li>▪ Do a deep traversal using the <b>FindFolder</b> method on a public folder.</li> <li>▪ Move or copy the public folder root.</li> <li>▪ Delete an associated item by any mode except hard delete.</li> <li>▪ Move or copy an associated item.</li> </ul>
<b>ErrorInvalidNetworkServiceContext</b>	Specifies an error in the Network Service account on the server.
<b>ErrorInvalidOofParameter</b>	This response code is not used.
<b>ErrorInvalidPagingMaxRows</b>	Specifies that zero rows or a negative value is specified as the maximum number of rows to be returned.
<b>ErrorInvalidParentFolder</b>	Specifies that an invalid parent folder was passed in for an operation, for example by creating a folder within a search folder.
<b>ErrorInvalidPercentCompleteValue</b>	Occurs if the percent complete property is set to a value that is not between 0 and 100 (inclusive).
<b>ErrorInvalidPermissionSettings</b>	Specifies that the permission level is inconsistent with the permission settings.
<b>ErrorInvalidPhoneCallId</b>	Specifies that the caller identifier is not valid.
<b>ErrorInvalidPhoneNumber</b>	Specifies that the phone number is not correct or does not fit the dial plan rules.
<b>ErrorInvalidUserInfo</b>	Specifies that a client sent an invalid folder permission request. This error code MUST be returned under the following conditions: <ul style="list-style-type: none"> <li>▪ A user specifies a <b>DistinguishedUser</b> element of type <b>t:DistinguishedUserType</b> set to anonymous or default but then also provide either a SID, primary Simple Mail Transfer Protocol (SMTP) address or display name.</li> <li>▪ SID cannot be mapped to a user.</li> <li>▪ Primary SMTP address cannot be mapped to a user.</li> <li>▪ User specifies more than one mailbox by setting more than one of the following properties: SID,</li> </ul>

Value	Meaning
	<p>primary SMTP address, and display name.</p> <ul style="list-style-type: none"> <li>▪ An invalid SMTP address was provided for an external user.</li> <li>▪ The request doesn't specify a distinguished user, SID, primary SMTP address, display name, or external user.</li> <li>▪ The request specifies an identity that does not map to a user, group, or contact in the directory.</li> <li>▪ The provided user permission is a disabled user that had a SELF SID in the directory.</li> <li>▪ The request attempt to set the anonymous or default user permissions but the attempted permissions are not available on the folder.</li> </ul> <p>The <b>MessageXML</b> for an <b>ErrorInvalidUserInfo</b> response contains the SID and display name that MUST identify the user to be given permissions and the permission level that was attempted to be given to a user. The <b>MessageXML</b> can look like the following:</p> <pre data-bbox="800 835 1425 1171"> &lt;m:MessageXml&gt;   &lt;t:InvalidPermission&gt;     &lt;t:Permission&gt;       &lt;t:UserId&gt;         &lt;t:SID&gt;S-1-5-21-797165400-4101840936-1213943508-1116&lt;/t:SID&gt;         &lt;t:DisplayName&gt;Christopher M. Simison&lt;/t:DisplayName&gt;       &lt;/t:UserId&gt;     &lt;/t:Permission&gt;   &lt;/t:InvalidPermission&gt; &lt;/m:MessageXml&gt; </pre>
<b>ErrorInvalidPropertyAppend</b>	Occurs if an attempt is made to bind to a property that does not support appending. The following are the only properties that support appending: Recipient collections (To, Cc, Bcc), Attendee collections (Required, Optional, Resources) ([MS-OXWSMTGS] section 2.2.4.6), <b>Body</b> property, and <b>ReplyTo</b> ([MS-OXWSMSG] section 2.2.4.3).
<b>ErrorInvalidPropertyDelete</b>	Specifies that an attempt was made to delete a property that does not support deleting. For example, the <b>ItemId</b> property of the <b>ItemType</b> object cannot be deleted.
<b>ErrorInvalidPropertyForExists</b>	Occurs if one of the flag properties is passed to a <b>RestrictionType</b> filter of <b>ExistsType</b> . The following are the flag properties, specified in [MS-OXWSMSG] section 2.2.4.3: <b>IsDraft</b> , <b>IsSubmitted</b> , <b>IsUnmodified</b> , <b>IsResend</b> , and <b>IsFromMe</b> .
<b>ErrorInvalidPropertyForOperation</b>	Specifies that an attempt was made to manipulate a property that does not support the operation that is being performed on it.



Value	Meaning
<b>ErrorInvalidPropertyRequest</b>	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 <b>GetItem</b> method call for a message or is updated in an <b>UpdateItem</b> method call for a message.
<b>ErrorInvalidPropertySet</b>	Specifies that an attempt was made to set a property that is read-only.
<b>ErrorInvalidPropertyUpdateSentMessage</b>	Occurs during an <b>UpdateItem</b> 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: <b>IsReadReceiptRequested</b> and <b>IsDeliveryReceiptRequested</b>
<b>ErrorInvalidProxySecurityContext</b>	This response code is not used.
<b>ErrorInvalidPullSubscriptionId</b>	Occurs if <b>GetEvents</b> or <b>Unsubscribe</b> was called on a push subscription ID. To unsubscribe from a push subscription, a push request <b>MUST</b> be responded to with an unsubscribe response, or the web service can be disconnected until the push notifications time out.
<b>ErrorInvalidPushSubscriptionUrl</b>	Specifies that the URL that was provided as a callback for the <b>Subscribe</b> method has an invalid format. The following conditions <b>MUST</b> be met for the web service to accept the URL: String length <b>MUST</b> be greater than 0 and less than 2083, protocol is http or https, and able to be parsed.
<b>ErrorInvalidRecipients</b>	Specifies that the recipient collection on the message or the attendee collection on the calendar item is invalid.
<b>ErrorInvalidRecipientSubfilter</b>	Specifies that the search folder has a recipient table filter that the web service cannot represent. To fix the error, retrieve the folder without requesting the search parameters.
<b>ErrorInvalidRecipientSubfilterComparison</b>	Specifies that the search folder has a recipient table filter that the web service cannot represent. To fix the error, retrieve the folder without requesting the search parameters.
<b>ErrorInvalidRecipientSubfilterOrder</b>	Specifies that the search folder has a recipient table filter that the web service cannot represent. To fix the error, retrieve the folder without requesting the search parameters.
<b>ErrorInvalidRecipientSubfilterTextFilter</b>	Specifies that the search folder has a recipient table filter that the web service cannot represent. To fix the error, retrieve the folder without requesting the search parameters.
<b>ErrorInvalidReferenceItem</b>	Occurs under the following circumstances: The referenced item identifier is not a <b>MessageType</b> or <b>CalendarItemType</b> object, or one of the descendants of those types; the reference item identifier is for a <b>CalendarItemType</b> 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 <b>ResponseObjects</b> ([MS-OXWSCORE] section 2.2.4.24) is set to <b>SuppressReadReceipt</b> and the item is not a message.
<b>ErrorInvalidRequest</b>	Specifies that the <b>SOAP</b> request has a <b>SOAP action</b> header, but nothing in the <b>SOAP body</b> . Note that the SOAP action header is not required as the web service can determine the method to call from the local name of the root element in the

Value	Meaning
	SOAP body.
<b>ErrorInvalidRestriction</b>	This response code is not used.
<b>ErrorInvalidRetentionTagTypeMismatch</b>	Specifies that the retention tag type was not matched. <155>
<b>ErrorInvalidRetentionTagInvisible</b>	Specifies that the retention tag was not visible. <156>
<b>ErrorInvalidRetentionTagIdGuid</b>	Specifies that a retention tag had an invalid GUID. <157>
<b>ErrorInvalidRetentionTagInheritance</b>	Specifies that there was an error in retention tag inheritance. <158>
<b>ErrorInvalidRoutingType</b>	Specifies that the <b>RoutingType</b> property that was passed for an <b>EmailAddressType</b> is not a valid routing type. Typically, routing type is set to SMTP.
<b>ErrorInvalidScheduledOofDuration</b>	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.
<b>ErrorInvalidSchemaVersionForMailboxVersion</b>	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 <b>RequestServerVersion</b> element (section 2.2.4.9) specifies a server version that does not match the mailbox server for a proxy request.
<b>ErrorInvalidSecurityDescriptor</b>	Specifies that the <b>security descriptor</b> on the Calendar folder in the store is corrupted.
<b>ErrorInvalidSendItemSaveSettings</b>	Occurs during an attempt to send an item where the <b>SaveItemFolderId</b> is specified in the request but the <b>SaveItemToFolder</b> property is set to false.
<b>ErrorInvalidSerializedAccessToken</b>	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.
<b>ErrorInvalidServerVersion</b>	Specifies that an invalid request server version was specified in the request.
<b>ErrorInvalidSid</b>	Specifies that one or more of the SID properties within the passed token or Impersonation block have an invalid structure.
<b>ErrorInvalidSIPUri</b>	Specifies that the SIP name, dial plan, or phone number has an invalid SIP URI.
<b>ErrorInvalidSmtpAddress</b>	Specifies that the SMTP address cannot be parsed.
<b>ErrorInvalidSubfilterType</b>	This response code is not used.
<b>ErrorInvalidSubfilterTypeNotAttendeeType</b>	This response code is not used.
<b>ErrorInvalidSubfilterTypeNotRecipientType</b>	This response code is not used.
<b>ErrorInvalidSubscription</b>	Specifies that the subscription is no longer valid. This could be because the server is restarting or because the subscription expired.
<b>ErrorInvalidSubscriptionRequest</b>	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.

Value	Meaning
<b>ErrorInvalidSyncStateData</b>	Specifies that the sync state data is corrupted. This is returned by the <b>SyncFolderItems</b> method or the <b>SyncFolderHierarchy</b> method if the <b>SyncState</b> property data is invalid. To fix this error, the data MUST be resynchronized without the sync state. Make sure that sync state blobs are being persisted, and that the BLOB is not being accidentally truncated.
<b>ErrorInvalidTimeInterval</b>	Specifies that the specified time interval is invalid. The start time MUST be greater than or equal to the end time.
<b>ErrorInvalidUserOofSettings</b>	Specifies that the user <b>Out of Office (OOF)</b> settings are invalid because of a missing internal or external reply.
<b>ErrorInvalidUserPrincipalName</b>	Specifies that the UPN that was passed in the Impersonation <b>SOAP header</b> did not map to a valid account.
<b>ErrorInvalidUserSid</b>	Specifies that the SID that was passed in the Impersonation SOAP header was either structurally invalid or did not map to a valid account.
<b>ErrorInvalidUserSidMissingUPN</b>	This response code is not used.
<b>ErrorInvalidValueForProperty</b>	Specifies that the comparison value in the restriction is invalid for the property that is being compared against. For example, the comparison value of <b>DateTimeCreated</b> ([MS-OXWSCORE] section 2.2.4.24) > true would return this response code. This response code is also returned if an enumeration property is specified in the comparison, but the value that is being compared against is not a valid value for that enumeration.
<b>ErrorInvalidWatermark</b>	Specifies that the watermark is invalid.
<b>ErrorIPGatewayNotFound</b>	Specifies that a valid VoIP gateway is not available.
<b>ErrorIrresolvableConflict</b>	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.
<b>ErrorItemCorrupt</b>	Specifies that the state of the object is corrupted and cannot be retrieved. When an item is being retrieved, only certain properties will be in this state, such as <b>Body</b> and <b>MimeContent</b> ([MS-OXWSCORE] section 2.2.4.24). Omit these properties and retry the operation.
<b>ErrorItemNotFound</b>	Specifies that the item was not found or the user does not have rights to access the item.
<b>ErrorItemPropertyRequestFailed</b>	Occurs if a property request fails. The property might exist, but it could not be retrieved.
<b>ErrorItemSave</b>	Occurs when attempts to save the item or folder fail.
<b>ErrorItemSavePropertyError</b>	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.
<b>ErrorLegacyMailboxFreeBusyViewTypeNot Merged</b>	This response code is not used.
<b>ErrorLocalServerObjectNotFound</b>	This response code is not used.

Value	Meaning
<b>ErrorLogonAsNetworkServiceFailed</b>	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.
<b>ErrorMailboxConfiguration</b>	Specifies that the mailbox information in Active Directory is configured incorrectly.
<b>ErrorMailboxDataArrayEmpty</b>	Specifies that the <b>MailboxDataArray</b> property in the request is empty. At least one mailbox identifier <b>MUST</b> be supplied.
<b>ErrorMailboxDataArrayTooBig</b>	Occurs when more than 100 entries are supplied in a <b>MailboxDataArray</b> .
<b>ErrorMailboxHoldNotFound</b>	Specifies that the mailbox hold was not found. <a href="#">&lt;159&gt;</a>
<b>ErrorMailboxLogonFailed</b>	Occurs when the connection to the mailbox to get the calendar view information failed.
<b>ErrorMailboxMoveInProgress</b>	Specifies that the mailbox is currently being moved. Try the request again after the move is complete.
<b>ErrorMailboxStoreUnavailable</b>	Specifies that the mailbox database is offline, corrupt, shutting down, or exhibiting other conditions that make the mailbox unavailable.
<b>ErrorMailRecipientNotFound</b>	Occurs if the <b>MailboxData</b> information cannot be mapped to a valid mailbox account.
<b>ErrorMailTipsDisabled</b>	Specifies that mail tips are disabled. This error code <b>MUST</b> be returned when mail tips are disabled.
<b>ErrorManagedFolderAlreadyExists</b>	Specifies that an attempt was made to create a managed folder that already exists in the mailbox.
<b>ErrorManagedFolderNotFound</b>	Occurs when the folder name that was specified in the request does not map to a managed folder definition in Active Directory. Instances of managed folders can only be created for folders defined in Active Directory. Check the name and try again.
<b>ErrorManagedFoldersRootFailure</b>	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.
<b>ErrorMeetingSuggestionGenerationFailed</b>	Specifies that the suggestions engine encountered a problem when it was trying to generate the suggestions.
<b>ErrorMessageDispositionRequired</b>	Occurs if the <b>MessageDisposition</b> property is not set. This error code <b>MUST</b> be returned under the following conditions: <ul style="list-style-type: none"> <li>▪ When the item that is being created or updated is a <b>MessageType</b> object.</li> <li>▪ For the <b>CancelCalendarItemType</b>, <b>AcceptItemType</b>, <b>DeclineItemType</b>, or <b>TentativelyAcceptItemType</b> response objects.</li> </ul>
<b>ErrorMessageSizeExceeded</b>	Specifies that an attempt was made to send a message that exceeds the allowed limits.

Value	Meaning
<b>ErrorMimeContentConversionFailed</b>	Occurs when the MIME content is not a valid <b>iCal</b> for a <b>CreateItem</b> method. For a <b>GetItem</b> method, this response indicates that the MIME content could not be generated.
<b>ErrorMimeContentInvalid</b>	Occurs when the MIME content is invalid.
<b>ErrorMimeContentInvalidBase64String</b>	Occurs when the MIME content in the request is not a valid base64 string.
<b>ErrorMissingArgument</b>	Specifies that a required argument was missing from the request. The response message text indicates which argument to check.
<b>ErrorMissingEmailAddress</b>	Specifies that a distinguished folder ID was specified in the request, but the account that made the request does not have a mailbox on the system.
<b>ErrorMissingEmailAddressForManagedFolder</b>	Specifies that a distinguished folder ID was specified in the request, but the account that made the request does not have a mailbox on the system. This response is returned from the <b>CreateManagedFolder</b> method.
<b>ErrorMissingInformationEmailAddress</b>	Specifies that the attendee or recipient does not have the <b>EmailAddress</b> property set. The other two <b>EmailAddressType</b> properties, <b>Name</b> and <b>RoutingType</b> , are optional.
<b>ErrorMissingInformationReferenceItemId</b>	Occurs if the <b>ReferenceItemId</b> property value is missing from the response object.
<b>ErrorMissingItemForCreateItemAttachment</b>	Occurs when an attempt is made to create an item attachment without indicating the item to be created.
<b>ErrorMissingManagedFolderId</b>	Occurs when the policy IDs property, property tag 0x6732, for the folder is missing. This SHOULD be considered a corrupted folder.
<b>ErrorMissingRecipients</b>	Specifies that an attempt was made to send an item without including recipients. Note that if the <b>CreateItem</b> method is called with a message disposition that causes the message to be sent, the <b>ErrorInvalidRecipients</b> response code will be generated.
<b>ErrorMissingUserIdInformation</b>	Specifies that a user ID has not been fully specified in a permissions set.
<b>ErrorMoreThanOneAccessModeSpecified</b>	Specifies that more than one <b>ExchangeImpersonation</b> or <b>SerializedSecurityContext</b> property value was specified within a request.
<b>ErrorMoveCopyFailed</b>	Specifies that the move or copy operation failed. Moving occurs in the <b>CreateItem</b> method when a meeting request is accepted that is in the Deleted Items folder. In addition, if a meeting request is declined, a calendar item is cancelled, or a meeting is removed from the calendar, it is moved to the Deleted Items folder.
<b>ErrorMoveDistinguishedFolder</b>	Occurs if an attempt is made to move a distinguished folder.
<b>ErrorMultiLegacyMailboxAccess</b>	Specifies that the request tried to access multiple mailbox servers. <160>
<b>ErrorNameResolutionMultipleResults</b>	Specifies that the <b>ResolveNames</b> method returned more than

Value	Meaning
	one result or that the ambiguous name that was specified matched more than one object in the directory. The response code includes the matched names in the response data.
<b>ErrorNameResolutionNoMailbox</b>	Specifies that the caller does not have a mailbox on the system.
<b>ErrorNameResolutionNoResults</b>	Occurs if the <b>ResolveNames</b> method returns no results.
<b>ErrorNewChannelConnectionOpened</b>	Occurs if another connection is opened on the same channel. <a href="#">&lt;161&gt;</a>
<b>ErrorNoApplicableProxyCASServersAvailable</b>	This error code MUST be returned when the <b>web service</b> cannot find a server to handle the request.
<b>ErrorNoCalendar</b>	Occurs if there is no Calendar folder for the mailbox.
<b>ErrorNoDestinationCASDueToKerberosRequirements</b>	Specifies that the request referred to a mailbox in another Active Directory site, but no servers in the destination site were configured for win Authentication and therefore the request could not be proxied.
<b>ErrorNoDestinationCASDueToSSLRequirements</b>	Specifies that the request referred to a mailbox in another Active Directory site, but no servers in the destination site were configured for SSL connections and therefore the request could not be proxied.
<b>ErrorNoDestinationCASDueToVersionMismatch</b>	Specifies that the request referred to a mailbox in another Active Directory site, but no servers in the destination site were of an acceptable product version to receive the request and therefore the request could not be proxied.
<b>ErrorNoFolderClassOverride</b>	Occurs if the <b>FolderClass</b> ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5) property is set when an item is created that is not a generic folder. For typed folders such as <b>CalendarFolderType</b> and <b>TasksFolderType</b> , the folder class is implied. Setting the folder class to a different folder type by using the <b>UpdateFolder</b> method results in the <b>ErrorObjectTypeChanged</b> response. Instead, use a generic folder type but set the folder class to the value that is required. The web service will create the correct strongly typed folder.
<b>ErrorNoFreeBusyAccess</b>	Specifies that the caller does not have free/busy viewing rights on the Calendar folder in question.
<b>ErrorNonExistentMailbox</b>	Specifies one of the following: (1) The e-mail address is empty in the <b>CreateManagedFolder</b> method or (2) the SMTP address does not map to a valid mailbox.
<b>ErrorNonPrimarySmtpAddress</b>	Occurs when a caller passes in a non-primary SMTP address. The response includes the correct SMTP address to use.
<b>ErrorNoPropertyTagForCustomProperties</b>	Specifies that MAPI properties in the custom range, 0x8000 and greater, cannot be referenced by property tags. The <b>PropertySetId</b> property or the <b>DistinguishedPropertySetId</b> MUST be used together with the <b>PropertyName</b> or <b>PropertyId</b> properties.
<b>ErrorNoPublicFolderReplicaAvailable</b>	This response code is not used.
<b>ErrorNoPublicFolderServerAvailable</b>	This error code MUST be returned if no public folder server is available or if the caller does not have a home public server.

Value	Meaning
<b>ErrorNoRespondingCASInDestinationSite</b>	Specifies that the request referred to a mailbox in another Active Directory site, but none of the servers in that site responded and therefore the request could not be proxied.
<b>ErrorNotDelegate</b>	Specifies that the user is not a delegate for the mailbox. This error is returned by <b>GetDelegate</b> , <b>RemoveDelegate</b> , and <b>UpdateDelegate</b> method calls when the specified delegate user is not found in the list of delegates.
<b>ErrorNotEnoughMemory</b>	Specifies that the operation could not be completed because of insufficient memory.
<b>ErrorObjectTypeChanged</b>	Specifies that the object type cannot be changed. For the <b>CreateItem</b> method, the <b>ItemClass</b> property MUST be consistent with the default type of the item.
<b>ErrorOccurrenceCrossingBoundary</b>	Specifies that the time allotment for a given occurrence overlaps with an earlier or later occurrence.
<b>ErrorOccurrenceTimeSpanTooBig</b>	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 <code>Int32.MaxValue</code> .
<b>ErrorOperationNotAllowedWithPublicFolderRoot</b>	Specifies that the current operation is not valid to be performed on the public folder root.
<b>ErrorParentFolderIdRequired</b>	This response code is not used.
<b>ErrorParentFolderNotFound</b>	Occurs in the <b>CreateFolder</b> when the parent folder is not found.
<b>ErrorPasswordChangeRequired</b>	Specifies that the password MUST be changed before this mailbox can be accessed. This occurs when a new account has been created and the administrator indicated that the user MUST change the password at first logon.
<b>ErrorPasswordExpired</b>	Specifies that the password has expired.
<b>ErrorPhoneNumberNotDialable</b>	Specifies that the phone number was not in the correct phone form.
<b>ErrorPropertyUpdate</b>	Specifies that the update failed because of invalid property values. The response message includes the invalid property paths.
<b>ErrorPromptPublishingOperationFailed</b>	An error occurred while accessing the custom prompt publishing point <a href="#">.&lt;162&gt;</a>
<b>ErrorPropertyValidationFailure</b>	This response code is not used.
<b>ErrorProxiedSubscriptionCallFailure</b>	Specifies that the request referred to a subscription that exists on another server, but an attempt to proxy the request to that server failed.
<b>ErrorProxyCallFailed</b>	This response code is not used.
<b>ErrorProxyGroupSidLimitExceeded</b>	Specifies that the request referred to a mailbox in another site, and the original caller is a member of more than 3000 groups.
<b>ErrorProxyRequestNotAllowed</b>	Specifies that the request that the web service sent to another server when trying to fulfill a <b>GetUserAvailability</b> request was invalid. This response code likely indicates a configuration

Value	Meaning
	or rights error, or that someone is trying unsuccessfully to mimic an availability proxy request.
<b>ErrorProxyRequestProcessingFailed</b>	Specifies that the web service tried to proxy an availability request to another server for fulfillment, but the request failed. This response can be caused by network connectivity issues or request time-out issues.
<b>ErrorProxyServiceDiscoveryFailed</b>	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.
<b>ErrorProxyTokenExpired</b>	This response code is not used.
<b>ErrorPublicFolderMailboxDiscoveryFailed</b>	Occurs when the public folder mailbox <b>endpoint</b> URL discovery fails.<163>
<b>ErrorPublicFolderOperationFailed</b>	Specifies that the service binding failed.<164>
<b>ErrorPublicFolderRequestProcessingFailed</b>	Occurs when the recipient passed to <b>GetUserAvailability</b> 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.
<b>ErrorPublicFolderServerNotFound</b>	Occurs when the recipient passed to <b>GetUserAvailability</b> 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.
<b>ErrorPublicFolderSyncException</b>	Specifies that folder synchronization failed.<165>
<b>ErrorQueryFilterTooLong</b>	Specifies that the search folder restriction might be valid, but it is not supported by the web service. The web service limits restrictions to contain a maximum of 255 filter expressions. If an attempt is made to bind to an existing search folder that exceeds 255, this response code is returned.
<b>ErrorQuotaExceeded</b>	Occurs when the mailbox quota is exceeded.
<b>ErrorReadEventsFailed</b>	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.
<b>ErrorReadReceiptNotPending</b>	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.
<b>ErrorRecurrenceEndDateTooBig</b>	Occurs when the end date for the recurrence is after 9/1/4500.
<b>ErrorRecurrenceHasNoOccurrence</b>	Specifies that the recurrence has no occurrence instances in the specified range.
<b>ErrorRemoveDelegatesFailed</b>	Specifies that the delegate list failed to be saved after delegates were removed.
<b>ErrorRequestAborted</b>	This response code is not used.
<b>ErrorRequestStreamTooBig</b>	Specifies that during availability proxying, the request was determined to be too large.



Value	Meaning
<b>ErrorRequiredPropertyMissing</b>	Specifies that one or more of the required properties is missing from a <b>CreateAttachment</b> call. The response indicates which property path was not set.
<b>ErrorResolveNamesInvalidFolderType</b>	Specifies that the caller has specified a folder that is not a Contacts folder to <b>ResolveNames</b> .
<b>ErrorResolveNamesOnlyOneContactsFolder Allowed</b>	Specifies that the caller has specified more than one Contacts folder to <b>ResolveNames</b> .
<b>ErrorResponseSchemaValidation</b>	This response code is not used.
<b>ErrorRestrictionTooLong</b>	Occurs when the restriction has more than 255 filters.
<b>ErrorRestrictionTooComplex</b>	Specifies that the restriction that was passed cannot be evaluated by the web service.
<b>ErrorResultSetTooBig</b>	Specifies that the number of calendar entries for a given recipient exceeds the allowed limit of 1000. Reduce the window and try again.
<b>ErrorInvalidExchangeImpersonationHeaderData</b>	Specifies that the <b>ExchangeImpersonation</b> header is missing or empty. This error MUST be returned if an <b>ExchangeImpersonation</b> element (section <a href="#">2.2.4.2</a> ) is empty.
<b>ErrorSavedItemFolderNotFound</b>	Specifies that the folder in which to save the item does not exist.
<b>ErrorSchemaValidation</b>	Occurs when the incoming request fails schema validation against types.xsd and messages.xsd. This response code is returned within a SOAP fault.
<b>ErrorSearchFolderNotInitialized</b>	Specifies that the search folder was created, but the search criteria were never set on the folder. This only occurs when corrupted search folders are accessed that were created by using another API or client. To fix this error, call <b>UpdateFolder</b> and set the <b>SearchParameters</b> to include the restriction that SHOULD be on the folder.
<b>ErrorSendAsDenied</b>	Occurs when both of the following conditions are met: <ul style="list-style-type: none"> <li>A user has been granted the permission which allows the logon user acting as mailbox owner but is not granted delegate rights on the principal's mailbox.</li> <li>The same user tries to create and send an email message in the principal's mailbox by using the <b>SendAndSaveCopy</b> option.</li> </ul> The result is an <b>ErrorSendAsDenied</b> error and the creation of the email message in the principal's <b>Drafts folder</b> .
<b>ErrorSendMeetingCancellationsRequired</b>	Occurs during a <b>DeleteItem</b> call, when the <b>SendMeetingCancellations</b> property is missing from the request and the item to delete is a calendar item. If the proxy objects are being used, make sure that the <b>SendMeetingCancellationsSpecified</b> property is set to true.
<b>ErrorSendMeetingInvitationsOrCancellationsRequired</b>	Occurs during an <b>UpdateItem</b> method call, when the <b>SendMeetingInvitationsOrCancellations</b> property is missing from the request and the item to update is a calendar item. If the proxy objects are being used, make sure that the <b>SendMeetingInvitationsOrCancellationsSpecified</b> property is set to true.

Value	Meaning
<b>ErrorSendMeetingInvitationsRequired</b>	Occurs during a <b>CreateItem</b> method call, when the <b>SendMeetingInvitations</b> property is missing from the request and the item to create is a calendar item. If the proxy objects are being used, make sure that the <b>SendMeetingInvitationsSpecified</b> property is set to true.
<b>ErrorSentMeetingRequestUpdate</b>	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.
<b>ErrorSentTaskRequestUpdate</b>	Specifies that after the task initiator sends a task request, that request cannot be updated.
<b>ErrorServerBusy</b>	Occurs when the server is busy.
<b>ErrorServiceDiscoveryFailed</b>	Specifies that the web service 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.
<b>ErrorStaleObject</b>	Occurs in an <b>UpdateItem</b> or <b>SendItem</b> method call when the change key is not up to date or was not supplied. Call <b>GetItem</b> to retrieve an updated change key and then try the operation again.
<b>ErrorSubmissionQuotaExceeded</b>	Specifies that a user cannot immediately send more request because the submission quota has been reached.
<b>ErrorSubscriptionAccessDenied</b>	Specifies that an attempt was made 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.
<b>ErrorSubscriptionDelegateAccessNotSupported</b>	Specifies that a subscription cannot be created by someone who is not the owner or does not have owner access to the mailbox.
<b>ErrorSubscriptionNotFound</b>	Specifies that the specified subscription does not exist. The subscription might have expired, the web service 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.
<b>ErrorSubscriptionUnsubscribed</b>	This error code MUST be returned in the <b>GetStreamingEvents</b> response if a streaming subscription is unsubscribed when the streaming subscription connection is open.
<b>ErrorSyncFolderNotFound</b>	Specifies that the folder ID that was specified in the <b>SyncFolderItems</b> method call does not exist.
<b>ErrorTeamMailboxNotFound</b>	The team mailbox is not found. <a href="#">&lt;166&gt;</a>
<b>ErrorTeamMailboxNotLinkedToSharePoint</b>	The team mailbox is not linked to SharePoint. <a href="#">&lt;167&gt;</a>
<b>ErrorTeamMailboxUrIValidationFailed</b>	The URL for the team mailbox is not valid. <a href="#">&lt;168&gt;</a>
<b>ErrorTeamMailboxNotAuthorizedOwner</b>	<a href="#">&lt;169&gt;</a>
<b>ErrorTeamMailboxActiveToPendingDelete</b>	Unable to move the team mailbox from Active to PendingDelete. The mailbox must be closed first. <a href="#">&lt;170&gt;</a>
<b>ErrorTeamMailboxFailedSendingNotificatio</b>	The team mailbox was unable to send notifications. <a href="#">&lt;171&gt;</a>

Value	Meaning
<b>ns</b>	
<b>ErrorTeamMailboxErrorUnknown</b>	Unknown error. <a href="#">&lt;172&gt;</a>
<b>ErrorTimeIntervalTooBig</b>	Specifies that the time window that was specified is larger than the allowed limit. By default, the allowed limit is 42.
<b>ErrorTimeoutExpired</b>	Specifies that the proxied request timed out.
<b>ErrorTimeZone</b>	Specifies that there is a time zone error.
<b>ErrorToFolderNotFound</b>	Specifies that the destination folder does not exist.
<b>ErrorTokenSerializationDenied</b>	Occurs if the caller tries to perform a token serialization request but does not have ms-Exch-EPI-TokenSerialization rights on the server that is being called.
<b>ErrorTooManyObjectsOpened</b>	Occurs if too many concurrent connections are open. <a href="#">&lt;173&gt;</a>
<b>ErrorUpdatePropertyMismatch</b>	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 <b>ItemType</b> or <b>FolderType</b> object.
<b>ErrorUnifiedGroupMailboxAADCreationFailed</b>	Occurs if the Unified group in AAD was not created.
<b>ErrorUnifiedGroupMailboxAADDeleteFailed</b>	Occurs if mailbox was not removed from AAD.
<b>ErrorUnifiedGroupMailboxNamingPolicy</b>	The display name of unified group does not comply with naming policy.
<b>ErrorUnifiedGroupMailboxDeleteFailed</b>	Unified group error indicating group mailbox was not removed.
<b>ErrorUnifiedGroupMailboxNotFound</b>	Unified group was not found.
<b>ErrorUnifiedGroupMailboxUpdateDelayed</b>	properties of the group will have been updated eventually
<b>ErrorUnifiedGroupMailboxUpdatedPartialProperties</b>	ot all properties of the group were updated.
<b>ErrorUnifiedGroupMailboxUpdateFailed</b>	update failed for the group.
<b>ErrorUnifiedGroupMailboxProvisionFailed</b>	Unified group was not provisioned.
<b>ErrorUnifiedMessagingDialPlanNotFound</b>	Specifies that a user's dial plan is not available.
<b>ErrorUnifiedMessagingReportDataNotFound</b>	Report data for the Unified Messaging call summary could not be found <a href="#">&lt;174&gt;</a>
<b>ErrorUnifiedMessagingPromptNotFound</b>	The Unified Messaging custom prompt file you specified could not be found. <a href="#">&lt;175&gt;</a>
<b>ErrorUnifiedMessagingRequestFailed</b>	Specifies that the user could not be found.
<b>ErrorUnifiedMessagingServerNotFound</b>	Specifies that a valid server for the dial plan can be found to handle the request.
<b>ErrorUnableToGetUserOofSettings</b>	This response code is not used.
<b>ErrorUnableToRemoveImContactFromGroup</b>	Unable to remove IM contact from group. <a href="#">&lt;176&gt;</a>
<b>ErrorUnsupportedSubFilter</b>	This response code is not used.

Value	Meaning
<b>ErrorUnsupportedCulture</b>	Occurs if an attempt is made to set the Culture property to a value that is not parsable by the <b>System.Globalization.CultureInfo</b> class.
<b>ErrorUnsupportedMapiPropertyType</b>	Occurs if an attempt is made by a caller to use extended properties of types object, object array, error or null.
<b>ErrorUnsupportedMimeConversion</b>	Occurs when an attempt is made to retrieve or set MIME content for an item other than a <b>PostItemType</b> , <b>MessageType</b> , or <b>CalendarItemType</b> object. <177>
<b>ErrorUnsupportedPathForQuery</b>	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.
<b>ErrorUnsupportedPathForSortGroup</b>	Specifies that the property path cannot be used for sorting or grouping operations.
<b>ErrorUnsupportedPropertyDefinition</b>	This response code is not used.
<b>ErrorUnsupportedQueryFilter</b>	Specifies that the search folder restriction might be valid, but is not supported the web service. The <b>FindItem</b> ([MS-OXWSSRCHI section 3.1.4.2) method can still be called on the search folder restriction to retrieve the items in the search folder; however, the actual restriction clause cannot be returned.
<b>ErrorUnsupportedRecurrence</b>	Specifies that the recurrence pattern that was supplied is not supported for tasks.
<b>ErrorUnsupportedTypeForConversion</b>	Specifies that the web service found a property type in the store but cannot generate XML for the property type.
<b>ErrorUpdateDelegatesFailed</b>	Specifies that the delegate list failed to be saved after delegates were updated.
<b>ErrorUserNotUnifiedMessagingEnabled</b>	Specifies that the requestor is not enabled.
<b>ErrorValueOutOfRange</b>	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.
<b>ErrorVoiceMailNotImplemented</b>	Specifies that voice mail is not implemented.
<b>ErrorVirusDetected</b>	Specifies that the database detected a virus in the message.
<b>ErrorVirusMessageDeleted</b>	Specifies that the database detected a virus in the message and deleted it.
<b>ErrorWebRequestInInvalidState</b>	This response code is not used.
<b>ErrorWin32InteropError</b>	Specifies that there was an internal failure during communication with unmanaged code.
<b>ErrorWorkingHoursSaveFailed</b>	This response code is not used.
<b>ErrorWorkingHoursXmlMalformed</b>	This response code is not used.
<b>ErrorWrongServerVersion</b>	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.
<b>ErrorWrongServerVersionDelegate</b>	Specifies that a request was made by a delegate that has a

Value	Meaning
	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.
<b>ErrorMissingInformationSharingFolderId</b>	This error code is never returned.
<b>ErrorDuplicateSOAPHeader</b>	Specifies that there are duplicate SOAP headers.
<b>ErrorSharingSynchronizationFailed</b>	<p>Specifies that an attempt at synchronizing a sharing folder failed. This error code MUST be returned when:</p> <ul style="list-style-type: none"> <li>▪ The subscription for a sharing folder is not found.</li> <li>▪ The sharing folder was not found.</li> <li>▪ The corresponding directory user was not found.</li> <li>▪ The user no longer exists.</li> <li>▪ The appointment is invalid.</li> <li>▪ The contact item is invalid.</li> <li>▪ There was a communication failure with the remote server.</li> </ul>
<b>ErrorSharingNoExternalEwsAvailable</b>	Specifies that the external URL property has not been set in the database. This error code MUST be returned if the external URL property has not been set in the database.
<b>ErrorFreeBusyDLLimitReached</b>	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.
<b>ErrorInvalidGetSharingFolderRequest</b>	Specifies that the <b>DataType</b> and <b>ShareFolderId</b> element are both present in a request. This error code MUST be returned if the <b>DataType</b> and <b>ShareFolderId</b> element are both present in a request.
<b>ErrorNotAllowedExternalSharingByPolicy</b>	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.
<b>ErrorUserNotAllowedByPolicy</b>	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.
<b>ErrorPermissionNotAllowedByPolicy</b>	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 than what the sharing policy allows.
<b>ErrorOrganizationNotFederated</b>	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

Value	Meaning
	an external user. This error code MUST be returned if the requestor's organization is not federated.
<b>ErrorMailboxFailover</b>	Specifies that an attempt to access a mailbox failed because the mailbox is in a failover process.
<b>ErrorInvalidExternalSharingInitiator</b>	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.
<b>ErrorMessageTrackingPermanentError</b>	Specifies that the message tracking service cannot track the message.
<b>ErrorMessageTrackingTransientError</b>	Specifies that either the message tracking service is down or busy. This error code specifies a transient error. Clients can retry to connect to the server when this error is received.
<b>ErrorMessageTrackingNoSuchDomain</b>	Specifies that the given domain cannot be found.
<b>ErrorUserWithoutFederatedProxyAddress</b>	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.
<b>ErrorInvalidOrganizationRelationshipForFreeBusy</b>	Specifies that a caller requested free/busy information for a user in another organization but the organizational relationship does not have free/busy enabled.
<b>ErrorInvalidFederatedOrganizationId</b>	Specifies that the requestor's organization federation objects are not properly configured.
<b>ErrorInvalidExternalSharingSubscriber</b>	Specifies that a sharing message is not intended for the caller.
<b>ErrorInvalidSharingData</b>	Specifies that the sharing metadata is not valid. This can be caused by invalid XML.
<b>ErrorInvalidSharingMessage</b>	Specifies that the sharing message is not valid. This can be caused by a missing property.
<b>ErrorNotSupportedSharingMessage</b>	Specifies that the sharing message is not supported.
<b>ErrorApplyConversationActionFailed</b>	This error MUST be returned if an action cannot be applied to one or more items in the conversation.
<b>ErrorInboxRulesValidationError</b>	This error MUST be returned if any rule does not validate.
<b>ErrorOutlookRuleBlobExists</b>	This error MUST be returned when an attempt to manage Inbox rules occurs after another client has accessed the Inbox rules.
<b>ErrorRulesOverQuota</b>	This error MUST be returned when a user's rule quota has been exceeded.
<b>ErrorNewEventStreamConnectionOpened</b>	This error MUST be returned to the first subscription connection if a second subscription connection is opened.
<b>ErrorMissedNotificationEvents</b>	This error MUST be returned when event notifications are missed.
<b>ErrorDuplicateLegacyDistinguishedName</b>	A duplicate legacy distinguished name is found in the active directory. <a href="#">&lt;178&gt;</a>

Value	Meaning
<b>ErrorInvalidClientAccessTokenRequest</b>	The client access token request is invalid. <a href="#">.&lt;179&gt;</a>
<b>ErrorNoSpeechDetected</b>	No speech was detected, Either the user remained silent or there is a problem with the mic configuration. <a href="#">.&lt;180&gt;</a>
<b>ErrorUMServerUnavailable</b>	The Unified Messaging server is unavailable. <a href="#">.&lt;181&gt;</a>
<b>ErrorRecipientNotFound</b>	The recipient was not found. <a href="#">.&lt;182&gt;</a>
<b>ErrorRecognizerNotInstalled</b>	The speech recognizer is not installed. <a href="#">.&lt;183&gt;</a>
<b>ErrorSpeechGrammarError</b>	Specifies a speech grammar error. <a href="#">.&lt;184&gt;</a>
<b>ErrorInvalidManagementRoleHeader</b>	Specifies an invalid managementrole header. <a href="#">.&lt;185&gt;</a>
<b>ErrorLocationServicesDisabled</b>	The location service is disabled. <a href="#">.&lt;186&gt;</a>
<b>ErrorLocationServicesRequestTimedOut</b>	The request for location information timed out. <a href="#">.&lt;187&gt;</a>
<b>ErrorLocationServicesRequestFailed</b>	The request for location information failed. <a href="#">.&lt;188&gt;</a>
<b>ErrorLocationServicesInvalidRequest</b>	Specifies an invalid location service request. <a href="#">.&lt;189&gt;</a>
<b>ErrorWeatherServiceDisabled</b>	Specifies that the weather service is disabled. <a href="#">.&lt;190&gt;</a>
<b>ErrorMailboxScopeNotAllowedWithoutQueryString</b>	Specifies that mailbox scope not allowed without a query string. <a href="#">.&lt;191&gt;</a>
<b>ErrorArchiveMailboxSearchFailed</b>	The archive mailbox search operation failed. <a href="#">.&lt;192&gt;</a>
<b>ErrorGetRemoteArchiveFolderFailed</b>	The attempt to get a remote archive folder failed. <a href="#">.&lt;193&gt;</a>
<b>ErrorFindRemoteArchiveFolderFailed</b>	The attempt to find the remote archive folder failed. <a href="#">.&lt;194&gt;</a>
<b>ErrorGetRemoteArchiveItemFailed</b>	The attempt to get the remote archive item failed. <a href="#">.&lt;195&gt;</a>
<b>ErrorExportRemoteArchiveItemsFailed</b>	The attempt to export a remote archive item failed. <a href="#">.&lt;196&gt;</a>
<b>ErrorInvalidPhotoSize</b>	Specifies that the photo size is not valid. <a href="#">.&lt;197&gt;</a>
<b>ErrorSearchQueryHasTooManyKeywords</b>	Specifies that the search query has more keywords than the allowed limit. The allowed limit is configurable and its default value is 500. <a href="#">.&lt;198&gt;</a>
<b>ErrorSearchTooManyMailboxes</b>	Specifies that more mailboxes than the allowed limit were included in the search. The allowed limit is configurable and its default value is 50. <a href="#">.&lt;199&gt;</a>
<b>ErrorDiscoverySearchesDisabled</b>	Specifies that the discovery search is disabled. <a href="#">.&lt;200&gt;</a>
<b>ErrorCalendarSeekToConditionNotSupported</b>	SeekToConditionPageView not supported for calendar items. <a href="#">.&lt;201&gt;</a>
<b>ErrorCalendarIsGroupMailboxForAccept</b>	A group mailbox can't accept a meeting. <a href="#">.&lt;202&gt;</a>
<b>ErrorCalendarIsGroupMailboxForDecline</b>	A group mailbox can't decline a meeting. <a href="#">.&lt;203&gt;</a>
<b>ErrorCalendarIsGroupMailboxForTentative</b>	A group mailbox can't tentatively accept a meeting. <a href="#">.&lt;204&gt;</a>
<b>ErrorCalendarIsGroupMailboxForSuppressReadReceipt</b>	A group mailbox cannot suppress read receipts. <a href="#">.&lt;205&gt;</a>

Value	Meaning
<b>ErrorOrganizationAccessBlocked</b>	The Organization is marked for removal. <a href="#">.&lt;206&gt;</a>
<b>ErrorInvalidLicense</b>	The license is invalid for this mailbox. <a href="#">.&lt;207&gt;</a>
<b>ErrorMessagePerFolderCountRecievedQuotaExceeded</b>	The number of received messages has exceeded the quota for the folder. <a href="#">.&lt;208&gt;</a>
<b>ErrorInvalidBulkActionType</b>	The bulk action type is not valid. <a href="#">.&lt;209&gt;</a>
<b>ErrorInvalidKeepNCount</b>	For internal use only. <a href="#">.&lt;210&gt;</a>
<b>ErrorInvalidKeepNType</b>	For internal use only. <a href="#">.&lt;211&gt;</a>
<b>ErrorNoOAuthServerAvailableForRequest</b>	No server is available for this request. <a href="#">.&lt;212&gt;</a>
<b>ErrorInstantSearchSessionExpired</b>	The specified session is already expired. <a href="#">.&lt;213&gt;</a>
<b>ErrorInstantSearchTimeout</b>	For internal use only. <a href="#">.&lt;214&gt;</a>
<b>ErrorInstantSearchFailed</b>	For internal use only. <a href="#">.&lt;215&gt;</a>
<b>ErrorUnsupportedUserForExecuteSearch</b>	The specified user is not supported to use execute search. <a href="#">.&lt;216&gt;</a>
<b>ErrorMissingExchangePrincipal</b>	Unable to retrieve Exchange Principal for the given request. <a href="#">.&lt;217&gt;</a>
<b>ErrorUnexpectedUnifiedGroupsCount</b>	Detected unexpected number of unified groups. <a href="#">.&lt;218&gt;</a>
<b>ErrorParsingXMLResponse</b>	Unable to parse the XML response. <a href="#">.&lt;219&gt;</a>
<b>ErrorInvalidFederationOrganizationIdentifier</b>	The federation organization identifier is invalid. <a href="#">.&lt;220&gt;</a>
<b>ErrorInvalidSweepRule</b>	The sweep rule was not valid. <a href="#">.&lt;221&gt;</a>
<b>ErrorInvalidSweepRuleOperationType</b>	The sweep rule operation is not valid. <a href="#">.&lt;222&gt;</a>
<b>ErrorTargetDomainNotSupported</b>	The target domain is not supported. <a href="#">.&lt;223&gt;</a>
<b>ErrorInvalidInternetWebProxyOnLocalServer</b>	The internet web proxy is invalid. <a href="#">.&lt;224&gt;</a>
<b>ErrorNoSenderRestrictionsSettingsFoundInRequest</b>	There is no data for one or more sender-restriction settings in your input. Try sending the request again. <a href="#">.&lt;225&gt;</a>
<b>ErrorDuplicateSenderRestrictionsInputFound</b>	There is duplicated sender-restrictions data in your input. You cannot have multiple settings with the same values. <a href="#">.&lt;226&gt;</a>
<b>ErrorSenderRestrictionsUpdateFailed</b>	Error indicating that sender restrictions update failed. <a href="#">.&lt;227&gt;</a>
<b>ErrorMessageSubmissionBlocked</b>	Error indicating that message submission blocked. <a href="#">.&lt;228&gt;</a>
<b>ErrorExceededMessageLimit</b>	that number of submitted messages exceeded the limit. <a href="#">.&lt;229&gt;</a>
<b>ErrorExceededMaxRecipientLimitBlock</b>	Error indicating that recipients number for a consumer mailbox has exceeded the limit. <a href="#">.&lt;230&gt;</a>
<b>ErrorAccountSuspend</b>	access to the consumer mailbox is suspended. <a href="#">.&lt;231&gt;</a>
<b>ErrorExceededMaxRecipientLimit</b>	recipients number for a consumer mailbox has exceeded the



Value	Meaning
	limit .<232>
<b>ErrorMessageBlocked</b>	Error indicating that particular message cannot be sent for a consumer mailbox as it is considered as SPAM. <233>
<b>ErrorAccountSuspendShowTierUpgrade</b>	Error indicating that access to the consumer mailbox is suspended. <234>
<b>ErrorExceededMessageLimitShowTierUpgrade</b>	Error indicating that message sent from a consumer mailbox has exceeded the limit. <235>
<b>ErrorExceededMaxRecipientLimitShowTierUpgrade</b>	Error indicating that recipients number for a consumer mailbox has exceeded the limit. <236>
<b>ErrorInvalidLongitude</b>	The longitude value is not valid. <237>
<b>ErrorInvalidLatitude</b>	The latitude value is not valid. <238>

### 2.2.5.25 t:SensitivityChoicesType Simple Type

The **SensitivityChoicesType** simple type specifies the sensitivity level types that are available for an item. The **SensitivityChoicesType** simple type extends the xs:string data type ([XMLSCHEMA2] section 3.2.1).

```
<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>
```

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

Value	Meaning
<b>Confidential</b>	Specifies the item as confidential.
<b>Normal</b>	Specifies the item as normal.
<b>Personal</b>	Specifies the item as personal.
<b>Private</b>	Specifies the item as private.

### 2.2.5.26 t:UnindexedFieldURIType Simple Type

The **UnindexedFieldURIType** simple type specifies unindexed properties.<239> The **UnindexedFieldURIType** simple type extends the xs:string data type ([XMLSCHEMA2] section 3.2.1).

```

<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="folder:ReplicaList"/>
    <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:Flag"/>

    <xs:enumeration value="item:StoreEntryId"/>
    <xs:enumeration value="item:InstanceKey"/>
    <xs:enumeration value="item:NormalizedBody"/>
    <xs:enumeration value="item:EntityExtractionResult" />
    <xs:enumeration value="item:PolicyTag"/>
    <xs:enumeration value="item:ArchiveTag"/>
    <xs:enumeration value="item:RetentionDate"/>
    <xs:enumeration value="item:Preview"/>
    <xs:enumeration value="item:NextPredictedAction" />
    <xs:enumeration value="item:GroupingAction" />
    <xs:enumeration value="item:PredictedActionReasons"/>
    <xs:enumeration value="item:IsClutter"/>
    <xs:enumeration value="item:RightsManagementLicenseData" />
  </xs:restriction>
</xs:simpleType>

```

```

<xs:enumeration value="item:BlockStatus" />
<xs:enumeration value="item:HasBlockedImages" />
<xs:enumeration value="item:WebClientReadFormQueryString"/>
<xs:enumeration value="item:WebClientEditFormQueryString"/>
<xs:enumeration value="item:TextBody"/>
<xs:enumeration value="item:IconIndex"/>
<xs:enumeration value="item:MimeContentUTF8"/>
<xs:enumeration value="item:Hashtags"/>
<xs:enumeration value="item:Mentions"/>
<xs:enumeration value="item:MentionedMe"/>
<xs:enumeration value="item:PendingSocialActivityTagIds"/>
<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="message:ApprovalRequestData"/>
<xs:enumeration value="message:VotingInformation"/>
<xs:enumeration value="message:ReminderMessageData"/>
<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="meeting:ProposedStart"/>
<xs:enumeration value="meeting:ProposedEnd"/>
<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:InboxReminders"/>

```

```

<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="calendar:JoinOnlineMeetingUrl"/>
<xs:enumeration value="calendar:OnlineMeetingSettings"/>
<xs:enumeration value="calendar:IsOrganizer"/>
<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:AbchEmailAddresses"/>
<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"/>
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<xs:enumeration value="contacts:Surname"/>
<xs:enumeration value="contacts:WeddingAnniversary"/>
<xs:enumeration value="contacts:UserSMIMECertificate"/>
<xs:enumeration value="contacts:HasPicture"/>
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<xs:enumeration value="contacts:IsMessengerEnabled"/>
<xs:enumeration value="contacts:Comment"/>
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<xs:enumeration value="contacts>ContactType"/>
<xs:enumeration value="contacts:CreatedBy"/>
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<xs:enumeration value="contacts:IsPrivate"/>
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<xs:enumeration value="contacts:TrustLevel"/>
<xs:enumeration value="contacts:Urls"/>
<xs:enumeration value="contacts:Cid"/>
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<xs:enumeration value="contacts:SkypeContext"/>
<xs:enumeration value="contacts:SkypeId"/>
<xs:enumeration value="contacts:XboxLiveTag"/>
<xs:enumeration value="contacts:SkypeRelationship"/>
<xs:enumeration value="contacts:YomiNickname"/>
<xs:enumeration value="contacts:InviteFree"/>
<xs:enumeration value="contacts:HidePresenceAndProfile"/>
<xs:enumeration value="contacts:IsPendingOutbound"/>
<xs:enumeration value="contacts:SupportGroupFeeds"/>
<xs:enumeration value="contacts:UserTileHash"/>
<xs:enumeration value="contacts:UnifiedInbox"/>
<xs:enumeration value="contacts:Mrs"/>
<xs:enumeration value="contacts:Wlid"/>
<xs:enumeration value="contacts:AbchContactId"/>
<xs:enumeration value="contacts:NotInBirthdayCalendar"/>
<xs:enumeration value="contacts:ShellContactType" />
<xs:enumeration value="contacts:ImMri" />
<xs:enumeration value="contacts:PresenceTrustLevel" />
<xs:enumeration value="contacts:OtherMri" />

<xs:enumeration value="contacts:ProfileLastChanged" />
<xs:enumeration value="contacts:MobileIMEnabled" /> <xs:enumeration
value="distributionlist:Members"/>
<xs:enumeration value="contacts:PartnerNetworkProfilePhotoUrl" />
<xs:enumeration value="contacts:PartnerNetworkThumbnailPhotoUrl" />
<xs:enumeration value="contacts:PersonId"/>
<xs:enumeration value="postitem:PostedTime"/>
<xs:enumeration value="conversation:ConversationId"/>
<xs:enumeration value="conversation:ConversationTopic"/>
<xs:enumeration value="conversation:UniqueRecipients"/>

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<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:HasIrm"/>
<xs:enumeration value="conversation:GlobalHasIrm"/>
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<xs:enumeration value="conversation:GlobalMessageCount"/>
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<xs:enumeration value="conversation:GlobalUnreadCount"/>
<xs:enumeration value="conversation:Size"/>
<xs:enumeration value="conversation:GlobalSize"/>
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<xs:enumeration value="conversation:GlobalItemIds"/>
<xs:enumeration value="conversation:LastModifiedTime"/>
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<xs:enumeration value="conversation:Preview"/>
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<xs:enumeration value="conversation:GlobalIconIndex"/>
<xs:enumeration value="conversation:DraftItemIds"/>
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<xs:enumeration value="conversation:GlobalMentionedMe"/>
<xs:enumeration value="person:FullName" />
<xs:enumeration value="person:GivenName" />
<xs:enumeration value="person:Surname" />
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<xs:enumeration value="person:SMSNumber" />
<xs:enumeration value="person:EmailAddress" />
<xs:enumeration value="person:Alias" />
<xs:enumeration value="person:Department" />
<xs:enumeration value="person:LinkedInProfileLink" />
<xs:enumeration value="person:Skills" />
<xs:enumeration value="person:ProfessionalBiography" />
<xs:enumeration value="person:ManagementChain" />
<xs:enumeration value="person:DirectReports" />
<xs:enumeration value="person:Peers" />
<xs:enumeration value="person:TeamSize" />
<xs:enumeration value="person:CurrentJob" />
<xs:enumeration value="person:Birthday" />
<xs:enumeration value="person:Hometown" />
<xs:enumeration value="person:CurrentLocation" />
<xs:enumeration value="person:CompanyProfile" />
<xs:enumeration value="person:Office" />
<xs:enumeration value="person:Headline" />
<xs:enumeration value="person:MutualConnections" />

<xs:enumeration value="person:Title" />
<xs:enumeration value="person:MutualManager" />
<xs:enumeration value="person:Insights" />
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<xs:enumeration value="persona:PersonaType" />
<xs:enumeration value="persona:GivenName" />
<xs:enumeration value="persona:CompanyName" />
<xs:enumeration value="persona:Surname" />

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<xs:enumeration value="persona:DisplayName" />
<xs:enumeration value="persona:EmailAddress" />
<xs:enumeration value="persona:FileAs" />
<xs:enumeration value="persona:HomeCity" />
<xs:enumeration value="persona:CreationTime" />
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<xs:enumeration value="persona:RankingWeight" />
<xs:enumeration value="persona:WorkCity" />
<xs:enumeration value="persona:PersonaObjectStatus" />
<xs:enumeration value="persona:FileAsId" />
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<xs:enumeration value="persona:ImAddresses2" />
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<xs:enumeration value="persona:Surnames" />
<xs:enumeration value="persona:Generations" />
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<xs:enumeration value="persona:YomiCompanyNames" />
<xs:enumeration value="persona:YomiFirstNames" />
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<xs:enumeration value="persona:BusinessPhoneNumbers2" />
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<xs:enumeration value="persona:MobilePhones" />
<xs:enumeration value="persona:MobilePhones2" />
<xs:enumeration value="persona:AssistantPhoneNumbers" />
<xs:enumeration value="persona:CallbackPhones" />
<xs:enumeration value="persona:CarPhones" />
<xs:enumeration value="persona:HomeFaxes" />
<xs:enumeration value="persona:OrganizationMainPhones" />
<xs:enumeration value="persona:OtherFaxes" />
<xs:enumeration value="persona:OtherTelephones" />
<xs:enumeration value="persona:OtherPhones2" />
<xs:enumeration value="persona:Paggers" />
<xs:enumeration value="persona:RadioPhones" />
<xs:enumeration value="persona:TelexNumbers" />
<xs:enumeration value="persona:WorkFaxes" />
<xs:enumeration value="persona:Emails1" />
<xs:enumeration value="persona:Emails2" />
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<xs:enumeration value="persona:School" />
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<xs:enumeration value="persona:OfficeLocations" />
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<xs:enumeration value="persona:OtherAddresses" />
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<xs:enumeration value="persona:CompanyNames" />
<xs:enumeration value="persona:Managers" />

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<xs:enumeration value="persona:AssistantNames" />
<xs:enumeration value="persona:Professions" />
<xs:enumeration value="persona:SpouseNames" />
<xs:enumeration value="persona:Hobbies" />
<xs:enumeration value="persona:WeddingAnniversaries" />
<xs:enumeration value="persona:Birthdays" />
<xs:enumeration value="persona:Children" />
<xs:enumeration value="persona:Locations" />
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<xs:enumeration value="persona:Bodies" />
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<xs:enumeration value="rolemember:DisplayName"/>
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<xs:enumeration value="network:AutoLinkSuccess"/>
<xs:enumeration value="network:AutoLinkError"/>
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<xs:enumeration value="network:Settings"/>
<xs:enumeration value="network:ProfileUrl"/>
<xs:enumeration value="network:UserTileUrl"/>
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<xs:enumeration value="abchperson:Categories"/>
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<xs:enumeration value="booking:StaffIds" />
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<xs:enumeration value="booking:CustomerEmail" />
<xs:enumeration value="booking:CustomerPhone" />
<xs:enumeration value="booking:CustomerId"/>
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<xs:enumeration value="insight:StartTimeUtc"/>
<xs:enumeration value="insight:EndTimeUtc"/>

<xs:enumeration value="insight:Status"/>
<xs:enumeration value="insight:Version"/>
</xs:restriction>
</xs:simpleType>

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

Value	Description
Folder:FolderId	Specifies the <b>FolderId</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).
Folder:ParentFolderId	Specifies the <b>ParentFolderId</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).
Folder:DisplayName	Specifies the <b>DisplayName</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).
Folder:UnreadCount	Specifies the <b>UnreadCount</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.12).
Folder:TotalCount	Specifies the <b>TotalCount</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).
Folder:ChildFolderCount	Specifies the <b>ChildFolderCount</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).
Folder:FolderClass	Specifies the <b>FolderClass</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).
Folder:SearchParameters	Specifies the <b>SearchParameters</b> property ( <a href="#">[MS-OXWSSRCH]</a> section 2.2.4.32).
Folder:ManagedFolderInformation	Specifies the <b>ManagedFolderInformation</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).
Folder:PermissionSet	Specifies the <b>PermissionSet</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.12).
Folder:EffectiveRights	Specifies the <b>EffectiveRights</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).
Folder:SharingEffectiveRights	Specifies the <b>SharingEffectiveRights</b> property ( <a href="#">[MS-OXWSCONT]</a> section 3.1.4.1.1.6).
Folder:DistinguishedFolderId	Specifies the <b>DistinguishedFolderId</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).<240>
Folder:PolicyTag	Specifies the <b>PolicyTag</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).<241>
Folder:ArchiveTag	Specifies the <b>ArchiveTag</b> property ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5).<242>
Folder:ReplicaList	Specifies the <b>ReplicaList</b> property, ( <a href="#">[MS-OXWSFOLD]</a> section 2.2.4.5)<243>
Item:ItemId	Specifies the <b>ItemId</b> property ( <a href="#">[MS-OXWSCORE]</a> section 2.2.4.24).
Item:ParentFolderId	Specifies the <b>ParentFolderId</b> property [ <a href="#">MS-OXWSCORE]</a> section 2.2.4.24).
Item:ItemClass	Specifies the <b>ItemClass</b> property .( <a href="#">[MS-OXWSCORE]</a> section 2.2.4.24)
Item:MimeContent	Specifies the <b>MimeContent</b> property.( <a href="#">[MS-OXWSCORE]</a> section 2.2.4.24)

<b>Value</b>	<b>Description</b>
Item:Attachments	Specifies the <b>Attachments</b> property.([MS-OXWSCORE] section 2.2.4.24)
Item:Subject	Specifies the <b>Subject</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:DateTimeReceived	Specifies the <b>DateTimeReceived</b> property [MS-OXWSCORE] section 2.2.4.24).
Item:Size	Specifies the <b>Size</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:Categories	Specifies the <b>Categories</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:HasAttachments	Specifies the <b>HasAttachments</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:Importance	Specifies the <b>Importance</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:InReplyTo	Specifies the <b>InReplyTo</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:InternetMessageHeaders	Specifies the <b>InternetMessageHeaders</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:IsAssociated	Specifies the <b>IsAssociated</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:IsDraft	Specifies the <b>IsDraft</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:IsFromMe	Specifies the <b>IsFromMe</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:IsResend	Specifies the <b>IsResend</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:IsSubmitted	Specifies the <b>IsSubmitted</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:IsUnmodified	Specifies the <b>IsUnmodified</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:DateTimeSent	Specifies the <b>DateTimeSent</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:DateTimeCreated	Specifies the <b>DateTimeCreated</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:Body	Specifies the <b>Body</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:ResponseObjects	Specifies the <b>ResponseObjects</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:Sensitivity	Specifies the <b>Sensitivity</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:ReminderDueBy	Specifies the <b>ReminderDueBy</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:ReminderIsSet	Specifies the <b>ReminderIsSet</b> property ([MS-OXWSCORE] section 2.2.4.24).

Value	Description
Item:ReminderNextTime	Specifies the <b>ReminderNextTime</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;244&gt;</a>
Item:ReminderMinutesBeforeStart	Specifies the <b>ReminderMinutesBeforeStart</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:DisplayTo	Specifies the <b>DisplayTo</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:DisplayCc	Specifies the <b>DisplayCc</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:Culture	Specifies the <b>Culture</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:EffectiveRights	Specifies the <b>EffectiveRights</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:LastModifiedName	Specifies the <b>LastModifiedName</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:LastModifiedTime	Specifies the <b>LastModifiedTime</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:ConversationId	Specifies the <b>ConversationId</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:UniqueBody	Specifies the <b>UniqueBody</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;245&gt;</a>
Item:Flag	Specifies the <b>Flag</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;246&gt;</a>
Item:StoreEntryId	Specifies the <b>StoreEntryId</b> property ([MS-OXWSCORE] section 2.2.4.24).
Item:InstanceKey	Specifies the <b>InstanceKey</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;247&gt;</a>
Item:NormalizedBody	Specifies the <b>NormalizedBody</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;248&gt;</a>
item:EntityExtractionResult	Specifies the <b>EntityExtractionResult</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;249&gt;</a>
item:PolicyTag	Specifies the <b>PolicyTag</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;250&gt;</a>
item:ArchiveTag	Specifies the <b>ArchiveTag</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;251&gt;</a>
item:RetentionDate	Specifies the <b>RetentionDate</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;252&gt;</a>
item:Preview	Specifies the <b>Preview</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;253&gt;</a>
item:NextPredictedAction	Specifies the <b>NextPredictedAction</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;254&gt;</a>
item:GroupingAction	Specifies the <b>GroupingAction</b> property ([MS-OXWSCORE] section 2.2.4.24). <a href="#">&lt;255&gt;</a>

Value	Description
item:PredictedActionReasons	For internal use only. <256>
item:IsClutter	For internal use only. <257>
item:RightsManagementLicenseData	Specifies the <b>RightsManagementLicenseData</b> property ([MS-OXWSCORE] section 2.2.4.24). <258>
item:BlockStatus	Specifies the <b>BlockStatus</b> property ([MS-OXWSCORE] section 2.2.4.24). <259>
item:HasBlockedImages	Specifies the <b>HasBlockedImages</b> property ([MS-OXWSCORE] section 2.2.4.24)..
item:WebClientReadFormQueryString	Specifies the <b>WebClientReadFormQueryString</b> property ([MS-OXWSCORE] section 2.2.4.24).
item:WebClientEditFormQueryString	Specifies the <b>WebClientEditFormQueryString</b> property ([MS-OXWSCORE] section 2.2.4.24).
item:TextBody	Specifies the <b>TextBody</b> property ([MS-OXWSCORE] section 2.2.4.24). <260>
item:IconIndex	Specifies the icon index property. ([MS-OXWSCORE] section 2.2.4.24) <261>
item:MimeContentUTF8	Specifies the <b>MimeContentUTF8</b> property ([MS-OXWSCORE] section 2.2.4.24) <262>
item:Hashtags	Specifies the <b>Hashtags</b> property ([MS-OXWSCORE] section 2.2.4.24). <263>
item:Mentions	Specifies the <b>Mentions</b> property ([MS-OXWSCORE] section 2.2.4.24) <264>
item:MentionedMe	Specifies the <b>MentionedMe</b> property ([MS-OXWSCORE] section 2.2.4.24). <265>
item:PendingSocialActivityTagIds	Specifies the <b>PendingSocialActivityTagIds</b> property ([MS-OXWSCORE] section 2.2.4.24). <266>
message:ConversationIndex	Specifies the <b>ConversationIndex</b> property ([MS-OXWSMSG] section 2.2.4.3). This property is also valid for postitem.
message:ConversationTopic	Specifies the <b>ConversationTopic</b> property ([MS-OXWSMSG] section 2.2.4.3). This property is also valid for postitem.
message:InternetMessageId	Specifies the <b>InternetMessageId</b> property ([MS-OXWSMSG] section 2.2.4.3). This property is also valid for postitem.
message:IsRead	Specifies the <b>IsRead</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:IsResponseRequested	Specifies the <b>IsResponseRequested</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:IsReadReceiptRequested	Specifies the <b>IsReadReceiptRequested</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:IsDeliveryReceiptRequested	Specifies the <b>IsDeliveryReceiptRequested</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:ReceivedBy	Specifies the <b>ReceivedBy</b> property ([MS-OXWSMSG] section 2.2.4.3).

Value	Description
message:ReceivedRepresenting	Specifies the <b>ReceivedRepresenting</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:References	Specifies the <b>References</b> property ([MS-OXWSMSG] section 2.2.4.3). This property is also valid for postitem.
message:ReplyTo	Specifies the <b>ReplyTo</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:From	Specifies the <b>From</b> property ([MS-OXWSMSG] section 2.2.4.3). This property is also valid for postitem.
message:Sender	Specifies the <b>Sender</b> property ([MS-OXWSMSG] section 2.2.4.3). This property is also valid for postitem.
message:ToRecipients	Specifies the <b>ToRecipients</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:CcRecipients	Specifies the <b>CcRecipients</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:BccRecipients	Specifies the <b>BccRecipients</b> property ([MS-OXWSMSG] section 2.2.4.3).
message:ApprovalRequestData	Specifies the <b>ApprovalRequestData</b> property ([MS-OXWSMSG] section 2.2.4.3).<267>
message:VotingInformation	Specifies the <b>VotingInformation</b> property ([MS-OXWSMSG] section 2.2.4.3).<268>
message:ReminderMessageData	Specifies the <b>ReminderMessageData</b> property ([MS-OXWSMSG] section 2.2.4.3).<269>
meeting:AssociatedCalendarItemId	Specifies the <b>AssociatedCalendarItemId</b> property ([MS-OXWSMTGS] section 2.2.4.15).
meeting:IsDelegated	Specifies the <b>IsDelegated</b> property ([MS-OXWSMTGS] section 2.2.4.15).
meeting:IsOutOfDate	Specifies the <b>IsOutOfDate</b> property ([MS-OXWSMTGS] section 2.2.4.15).
meeting:HasBeenProcessed	Specifies the <b>HasBeenProcessed</b> property ([MS-OXWSMTGS] section 2.2.4.15).
meeting:ResponseType	Specifies the <b>ResponseType</b> property ([MS-OXWSMTGS] section 2.2.4.15).
meeting:ProposedStart	Specifies the <b>ProposedStart</b> property ([MS-OXWSMTGS] section 2.2.4.18).<270>
meeting:ProposedEnd	Specifies the <b>ProposedEnd</b> property ([MS-OXWSMTGS] section 2.2.4.18).<271>
meetingRequest:MeetingRequestType	Specifies the <b>MeetingRequestType</b> property ([MS-OXWSMTGS] section 2.2.4.17).
meetingRequest:IntendedFreeBusyStatus	Specifies the <b>IntendedFreeBusyStatus</b> property ([MS-OXWSMTGS] section 2.2.4.17).
meetingRequest:ChangeHighlights	Specifies the <b>ChangeHighlights</b> property ([MS-OXWSMTGS] section 2.2.4.17).<272>
calendar:Start	Specifies the <b>Start</b> property ([MS-OXWSMTGS] section 2.2.4.6).

Value	Description
calendar:End	Specifies the <b>End</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:OriginalStart	Specifies the <b>OriginalStart</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:StartWallClock	Specifies the <b>StartWallClock</b> property ([MS-OXWSMTGS] section 2.2.4.6).<273>
calendar:EndWallClock	Specifies the <b>EndWallClock</b> property ([MS-OXWSMTGS] section 2.2.4.6).<274>
calendar:StartTimeZoneId	Specifies the <b>StartTimeZone</b> property ([MS-OXWSMTGS] section 2.2.4.6).<275>
calendar:EndTimeZoneId	Specifies the <b>EndTimeZone</b> property ([MS-OXWSMTGS] section 2.2.4.6).<276>
calendar:IsAllDayEvent	Specifies the <b>IsAllDayEvent</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:LegacyFreeBusyStatus	Specifies the <b>LegacyFreeBusyStatus</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:Location	Specifies the <b>Location</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:EnhancedLocation	Specifies the <b>EnhancedLocation</b> property ([MS-OXWSMTGS] section 2.2.4.6).<277>
calendar:When	Specifies the <b>When</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:IsMeeting	Specifies the <b>IsMeeting</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:IsCancelled	Specifies the <b>IsCancelled</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:IsRecurring	Specifies the <b>IsRecurring</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:MeetingRequestWasSent	Specifies the <b>MeetingRequestWasSent</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:IsResponseRequested	Specifies the <b>IsResponseRequested</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:CalendarItemType	Specifies the <b>CalendarItemType</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:MyResponseType	Specifies the <b>MyResponseType</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:Organizer	Specifies the <b>Organizer</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:RequiredAttendees	Specifies the <b>RequiredAttendees</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:OptionalAttendees	Specifies the <b>OptionalAttendees</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:Resources	Specifies the <b>Resources</b> property ([MS-OXWSMTGS] section 2.2.4.6).

Value	Description
calendar:ConflictingMeetingCount	Specifies the <b>ConflictingMeetingCount</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:AdjacentMeetingCount	Specifies the <b>AdjacentMeetingCount</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:ConflictingMeetings	Specifies the <b>ConflictingMeetings</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:AdjacentMeetings	Specifies the <b>AdjacentMeetings</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:InboxReminders	Specifies the <b>InboxReminders</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:Duration	Specifies the <b>Duration</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:TimeZone	Specifies the <b>TimeZone</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:AppointmentReplyTime	Specifies the <b>AppointmentReplyTime</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:AppointmentSequenceNumber	Specifies the <b>AppointmentSequenceNumber</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:AppointmentState	Specifies the <b>AppointmentState</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:Recurrence	Specifies the <b>Recurrence</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:FirstOccurrence	Specifies the <b>FirstOccurrence</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar>LastOccurrence	Specifies the <b>LastOccurrence</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:ModifiedOccurrences	Specifies the <b>ModifiedOccurrences</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:DeletedOccurrences	Specifies the <b>DeletedOccurrences</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:MeetingTimeZone	Specifies the <b>MeetingTimeZone</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:ConferenceType	Specifies the <b>ConferenceType</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:AllowNewTimeProposal	Specifies the <b>AllowNewTimeProposal</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:IsOnlineMeeting	Specifies the <b>IsOnlineMeeting</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:MeetingWorkspaceUrl	Specifies the <b>MeetingWorkspaceUrl</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:NetShowUrl	Specifies the <b>NetShowUrl</b> property ([MS-OXWSMTGS] section 2.2.4.6).

Value	Description
calendar:UID	Specifies the <b>UID</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:RecurrenceId	Specifies the <b>RecurrenceId</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:DateTimeStamp	Specifies the <b>DateTimeStamp</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:StartTimeZone	Specifies the <b>StartTimeZone</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:EndTimeZone	Specifies the <b>EndTimeZone</b> property ([MS-OXWSMTGS] section 2.2.4.6).
calendar:JoinOnlineMeetingUrl	Specifies the <b>JoinOnlineMeetingUrl</b> property ([MS-OXWSMTGS] section 2.2.4.6).<278>
calendar:OnlineMeetingSettings	Specifies the <b>OnlineMeetingSettings</b> property ([MS-OXWSMTGS] section 2.2.4.6).<279>
calendar:IsOrganizer	Specifies the <b>IsOrganizer</b> property ([MS-OXWSMTGS] section 2.2.4.6).<280>
task:ActualWork	Specifies the <b>ActualWork</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:AssignedTime	Specifies the <b>AssignedTime</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:BillingInformation	Specifies the <b>BillingInformation</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:ChangeCount	Specifies the <b>ChangeCount</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:Companies	Specifies the <b>Companies</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:CompleteDate	Specifies the <b>CompleteDate</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:Contacts	Specifies the <b>Contacts</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:DelegationState	Specifies the <b>DelegationState</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:Delegator	Specifies the <b>Delegator</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:DueDate	Specifies the <b>DueDate</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:IsAssignmentEditable	Specifies the <b>IsAssignmentEditable</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:IsComplete	Specifies the <b>IsComplete</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:IsRecurring	Specifies the <b>IsRecurring</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:IsTeamTask	Specifies the <b>IsTeamTask</b> property ([MS-OXWSTASK] section 2.2.4.6).



Value	Description
	2.2.4.6).
task:Mileage	Specifies the <b>Mileage</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:Owner	Specifies the <b>Owner</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:PercentComplete	Specifies the <b>PercentComplete</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:Recurrence	Specifies the <b>Recurrence</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:StartDate	Specifies the <b>StartDate</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:Status	Specifies the <b>Status</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:StatusDescription	Specifies the <b>StatusDescription</b> property ([MS-OXWSTASK] section 2.2.4.6).
task:TotalWork	Specifies the <b>TotalWork</b> property ([MS-OXWSTASK] section 2.2.4.6).
contacts:Alias	Specifies the <b>Alias</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:AssistantName	Specifies the <b>AssistantName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Birthday	Specifies the <b>Birthday</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:BusinessHomePage	Specifies the <b>BusinessHomePage</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Children	Specifies the <b>Children</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Companies	Specifies the <b>Companies</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:CompanyName	Specifies the <b>CompanyName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:CompleteName	Specifies the <b>CompleteName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts>ContactSource	Specifies the <b>ContactSource</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Culture	Specifies the <b>Culture</b> property ([MS-OXWSCONT] section 2.2.4.24).
contacts:Department	Specifies the <b>Department</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:DisplayName	Specifies the <b>DisplayName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:DirectoryId	Specifies the <b>DirectoryId</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:DirectReports	Specifies the <b>DirectReports</b> property ([MS-OXWSCONT] section 2.2.4.3).

Value	Description
contacts:EmailAddresses	Specifies the <b>EmailAddresses</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:AbchEmailAddresses	Specifies the <b>AbchEmailAddresses</b> property ([MS-OXWSCONT] section 2.2.4.3).<281>
contacts:FileAs	Specifies the <b>FileAs</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:FileAsMapping	Specifies the <b>FileAsMapping</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Generation	Specifies the <b>Generation</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:GivenName	Specifies the <b>GivenName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:ImAddresses	Specifies the <b>ImAddresses</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Initials	Specifies the <b>Initials</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:JobTitle	Specifies the <b>JobTitle</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Manager	Specifies the <b>Manager</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:ManagerMailbox	Specifies the <b>ManagerMailbox</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:MiddleName	Specifies the <b>MiddleName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Mileage	Specifies the <b>Mileage</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:MSExchangeCertificate	Specifies the <b>MSExchangeCertificate</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Nickname	Specifies the <b>Nickname</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Notes	Specifies the <b>Notes</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:OfficeLocation	Specifies the <b>OfficeLocation</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PhoneNumbers	Specifies the <b>PhoneNumbers</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PhoneticFullName	Specifies the <b>PhoneticFullName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PhoneticFirstName	Specifies the <b>PhoneticFirstName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PhoneticLastName	Specifies the <b>PhoneticLastName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Photo	Specifies the <b>Photo</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PhysicalAddresses	Specifies the <b>PhysicalAddresses</b> property ([MS-OXWSCONT] section 2.2.4.3).

Value	Description
contacts:PostalAddressIndex	Specifies the <b>PostalAddressIndex</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Profession	Specifies the <b>Profession</b> property.([MS-OXWSCONT] section 2.2.4.3)
contacts:SpouseName	Specifies the <b>SpouseName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Surname	Specifies the <b>Surname</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:WeddingAnniversary	Specifies the <b>WeddingAnniversary</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:UserSMIMECertificate	Specifies the <b>UserSMIMECertificate</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:HasPicture	Specifies whether a contact has a picture ([MS-OXWSCONT] section 2.2.4.3).
contacts:AccountName	Specifies the <b>AccountName</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:IsAutoUpdateDisabled	Specifies the <b>IsAutoUpdateDisabled</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:IsMessengerEnabled	Specifies the <b>IsMessengerEnabled</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Comment	Specifies the <b>Comment</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts>ContactShortId	Specifies the <b>ContactShortId</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:ContactType	Specifies the <b>ContactType</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:CreatedBy	Specifies the <b>CreatedBy</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Gender	Specifies the <b>Gender</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:IsHidden	Specifies the <b>IsHidden</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:ObjectId	Specifies the <b>ObjectId</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PassportId	Specifies the <b>PassportId</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:IsPrivate	Specifies the <b>IsPrivate</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:SourceId	Specifies the <b>SourceId</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:TrustLevel	Specifies the <b>TrustLevel</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Urls	Specifies the <b>Urls</b> property ([MS-OXWSCONT] section 2.2.4.3).

Value	Description
contacts:Cid	Specifies the <b>Cid</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:SkypeAuthCertificate	Specifies the <b>SkypeAuthCertificate</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:SkypeContext	Specifies the <b>SkypeContext</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:SkypeId	Specifies the <b>SkypeId</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:XboxLiveTag	Specifies the <b>XboxLiveTag</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:SkypeRelationship	Specifies the <b>SkypeRelationship</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:YomiNickname	Specifies the <b>YomiNickname</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:InviteFree	Specifies the <b>InviteFree</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:HidePresenceAndProfile	Specifies the <b>HidePresenceAndProfile</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:IsPendingOutbound	Specifies the <b>IsPendingOutbound</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:SupportGroupFeeds	Specifies the <b>SupportGroupFeeds</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:UserTileHash	Specifies the <b>UserTileHash</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:UnifiedInbox	Specifies the <b>UnifiedInbox</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Mris	Specifies the <b>Mris</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:Wlid	Specifies the <b>Wlid</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:AbchContactId	Specifies the <b>AbchContactId</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:NotInBirthdayCalendar	Specifies the <b>NotInBirthdayCalendar</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:ShellContactType	Specifies the <b>ShellContactType</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:ImMr	Specifies the <b>ImMr</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PresenceTrustLevel	Specifies the <b>PresenceTrustLevel</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:OtherMri	Specifies the <b>OtherMri</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:ProfileLastChanged	Specifies the <b>ProfileLastChanged</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:MobileIMEnabled	Specifies the <b>MobileIMEnabled</b> property ([MS-OXWSCONT]

Value	Description
	section 2.2.4.3).
distributionlist:Members	Specifies the <b>Members</b> property ([MS-OXWSDLIST] section 2.2.4.1).
contacts:PartnerNetworkProfilePhotoUrl	Specifies the <b>PartnerNetworkProfilePhotoUrl</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PartnerNetworkThumbnailPhotoUrl	Specifies the <b>PartnerNetworkThumbnailPhotoUrl</b> property ([MS-OXWSCONT] section 2.2.4.3).
contacts:PersonId	Specifies the <b>PersonId</b> property ([MS-OXWSCONT] section 2.2.4.3).
postitem:PostedTime	Specifies the <b>PostedTime</b> property ([MS-OXWSPPOST] section 2.2.4.1) .
conversation:ConversationId	Specifies the <b>ConversationId</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:ConversationTopic	Specifies the <b>ConversationTopic</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:UniqueRecipients	Specifies the <b>UniqueRecipients</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalUniqueRecipients	Specifies the <b>GlobalUniqueRecipients</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:UniqueUnreadSenders	Specifies the <b>UniqueUnreadSenders</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalUniqueUnreadSenders	Specifies the <b>GlobalUniqueUnreadSenders</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:UniqueSenders	Specifies the <b>UniqueSenders</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalUniqueSenders	Specifies the <b>GlobalUniqueSenders</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:LastDeliveryTime	Specifies the <b>LastDeliveryTime</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalLastDeliveryTime	Specifies the <b>GlobalLastDeliveryTime</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:Categories	Specifies the <b>Categories</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalCategories	Specifies the <b>GlobalCategories</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:FlagStatus	Specifies the <b>FlagStatus</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalFlagStatus	Specifies the <b>GlobalFlagStatus</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:HasAttachments	Specifies the <b>HasAttachments</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalHasAttachments	Specifies the <b>GlobalHasAttachments</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).

Value	Description
	section 3.1.4.2.3.4).
conversation:HasIrm	Specifies the <b>HasIrm</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalHasIrm	Specifies the <b>GlobalHasIrm</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:MessageCount	Specifies the <b>MessageCount</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalMessageCount	Specifies the <b>GlobalMessageCount</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:UnreadCount	Specifies the <b>UnreadCount</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalUnreadCount	Specifies the <b>GlobalUnreadCount</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:Size	Specifies the <b>Size</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalSize	Specifies the <b>GlobalSize</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:ItemClasses	Specifies the <b>ItemClasses</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalItemClasses	Specifies the <b>GlobalItemClasses</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:Importance	Specifies the <b>Importance</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalImportance	Specifies the <b>GlobalImportance</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:ItemIds	Specifies the <b>ItemIds</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:GlobalItemIds	Specifies the <b>GlobalItemIds</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).
conversation:LastModifiedTime	Specifies the <b>LastModifiedTime</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).<282>
conversation:InstanceKey	Specifies the <b>InstanceKey</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).<283>
conversation:Preview	Specifies the <b>Preview</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).<284>
conversation:IconIndex	Specifies the <b>IconIndex</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).<285>
conversation:GlobalIconIndex	Specifies the <b>GlobalIconIndex</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).<286>
conversation:DraftItemIds	Specifies the <b>DraftItemIds</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).<287>
conversation:HasClutter	Specifies the <b>HasClutter</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4).

Value	Description
conversation:MentionedMe	Specifies the <b>MentionedMe</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4). <a href="#">&lt;288&gt;</a>
conversation:GlobalMentionedMe	Specifies the <b>GlobalMentionedMe</b> property ([MS-OXWSCONV] section 3.1.4.2.3.4). <a href="#">&lt;289&gt;</a>
person:FullName	For internal use only.
person:GivenName	For internal use only
person:Surname	For internal use only
person:PhoneNumber	For internal use only
person:SMSNumber	For internal use only
person:EmailAddress	For internal use only
person:Alias	For internal use only
person:Department	For internal use only
person:LinkedInProfileLink	For internal use only
person:Skills	For internal use only
person:ProfessionalBiography	For internal use only
person:ManagementChain	For internal use only
person:DirectReports	For internal use only
person:Peers	For internal use only
person:TeamSize	For internal use only
person:CurrentJob	For internal use only
person:Birthday	For internal use only
person:Hometown	For internal use only
person:CurrentLocation	For internal use only
person:CompanyProfile	For internal use only
person:Office	For internal use only
person:Headline	For internal use only
person:MutualConnections	For internal use only
person:Title	For internal use only
person:MutualManager	For internal use only
person:Insights	For internal use only
person:UserProfilePicture	For internal use only
persona:PersonaId	Specifies the <b>PersonaId</b> property. ([MS-OXWSPERS] section 2.2.4.19) <a href="#">&lt;290&gt;</a>

Value	Description
persona:PersonaType	Specifies the <b>PersonaType</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">291</a> >
persona:GivenName	Specifies the <b>GivenName</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">292</a> >
persona:CompanyName	Specifies the <b>CompanyName</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">293</a> >
persona:SurName	Specifies the <b>SurName</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">294</a> >
persona:DisplayName	Specifies the <b>DisplayName</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">295</a> >
persona:EmailAddress	Specifies the <b>EmailAddress</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">296</a> >
persona:FileAs	Specifies the <b>FileAs</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">297</a> >
persona:HomeCity	Specifies the <b>HomeCity</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">298</a> >
persona:CreationTime	Specifies the <b>CreationTime</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">299</a> >
persona:RelevanceScore	Specifies the <b>RelevanceScore</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">300</a> >
Persona:RankingWeight	Specifies the <b>RankingWeight</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">301</a> >
persona:WorkCity	Specifies the <b>WorkCity</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">302</a> >
persona:PersonaObjectStatus	Specifies the <b>PersonaObjectStatus</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">303</a> >
persona:FileAsId	Specifies the <b>FileAsId</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">304</a> >
persona:DisplayNamePrefix	Specifies the <b>DisplayNamePrefix</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">305</a> >
persona:YomiCompanyName	Specifies the <b>YomiCompanyName</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">306</a> >
persona:YomiFirstName	Specifies the <b>YomiFirstName</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">307</a> >
persona:YomiLastName	Specifies the <b>YomiLastName</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">308</a> >
persona:Title	Specifies the <b>Title</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">309</a> >
persona:EmailAddresses	Specifies the <b>EmailAddresses</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">310</a> >
persona:PhoneNumber	Specifies the <b>PhoneNumber</b> property ([MS-OXWSPERS] section 2.2.4.19).< <a href="#">311</a> >



Value	Description
persona:ImAddress	Specifies the <b>ImAddress</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;312&gt;</a>
persona:ImAddresses	Specifies the <b>ImAddresses</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;313&gt;</a>
persona:ImAddresses2	Specifies the <b>ImAddresses2</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;314&gt;</a>
persona:ImAddresses3	Specifies the <b>ImAddresses3</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;315&gt;</a>
persona:FolderIds	Specifies the <b>FolderIds</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;316&gt;</a>
persona:Attributions	Specifies the <b>Attributions</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;317&gt;</a>
persona:DisplayNames	Specifies the <b>DisplayNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;318&gt;</a>
persona:Initials	Specifies the <b>Initials</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;319&gt;</a>
persona:FileAses	Specifies the <b>FileAses</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;320&gt;</a>
persona:FileAsIds	Specifies the <b>FileAsIds</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;321&gt;</a>
persona:DisplayNamePrefixes	Specifies the <b>DisplayNamePrefixes</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;322&gt;</a>
persona:GivenNames	Specifies the <b>GivenNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;323&gt;</a>
persona:MiddleNames	Specifies the <b>MiddleNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;324&gt;</a>
persona:Surnames	Specifies the <b>Surnames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;325&gt;</a>
persona:Generations	Specifies the <b>Generations</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;326&gt;</a>
persona:Nicknames	Specifies the <b>Nicknames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;327&gt;</a>
persona:YomiCompanyNames	Specifies the <b>YomiCompanyNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;328&gt;</a>
persona:YomiFirstNames	Specifies the <b>YomiFirstNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;329&gt;</a>
persona:YomiLastNames	Specifies the <b>YomiLastNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;330&gt;</a>
persona:BusinessPhoneNumbers	Specifies the <b>BusinessPhoneNumbers</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;331&gt;</a>
persona:BusinessPhoneNumbers2	Specifies the <b>BusinessPhoneNumbers2</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;332&gt;</a>

Value	Description
persona:HomePhones	Specifies the <b>HomePhones</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;333&gt;</a>
persona:HomePhones2	Specifies the <b>HomePhones2</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;334&gt;</a>
persona:MobilePhones	Specifies the <b>MobilePhones</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;335&gt;</a>
persona:MobilePhones2	Specifies the <b>MobilePhones2</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;336&gt;</a>
persona:AssistantPhoneNumbers	Specifies the <b>AssistantPhoneNumbers</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;337&gt;</a>
persona:CallbackPhones	Specifies the <b>CallbackPhones</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;338&gt;</a>
persona:CarPhones	Specifies the <b>CarPhones</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;339&gt;</a>
persona:HomeFaxes	Specifies the <b>HomeFaxes</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;340&gt;</a>
persona:OrganizationMainPhones	Specifies the <b>OrganizationMainPhones</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;341&gt;</a>
persona:OtherFaxes	Specifies the <b>OtherFaxes</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;342&gt;</a>
persona:OtherTelephones	Specifies the <b>OtherTelephones</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;343&gt;</a>
persona:OtherPhones2	Specifies the <b>OtherPhones2</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;344&gt;</a>
persona:Paggers	Specifies the <b>Paggers</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;345&gt;</a>
persona:RadioPhones	Specifies the <b>RadioPhones</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;346&gt;</a>
persona:TelexNumbers	Specifies the <b>TelexNumbers</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;347&gt;</a>
persona:WorkFaxes	Specifies the <b>WorkFaxes</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;348&gt;</a>
persona:Emails1	Specifies the <b>Emails1</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;349&gt;</a>
persona:Emails2	Specifies the <b>Emails2</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;350&gt;</a>
persona:Emails3	Specifies the <b>Emails3</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;351&gt;</a>
persona:BusinessHomePages	Specifies the <b>BusinessHomePages</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;352&gt;</a>
persona:School	Specifies the <b>School</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;353&gt;</a>

Value	Description
persona:PersonalHomePages	Specifies the <b>PersonalHomePages</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;354&gt;</a>
persona:OfficeLocations	Specifies the <b>OfficeLocations</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;355&gt;</a>
persona:BusinessAddresses	Specifies the <b>BusinessAddresses</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;356&gt;</a>
persona:HomeAddresses	Specifies the <b>HomeAddresses</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;357&gt;</a>
persona:OtherAddresses	Specifies the <b>OtherAddresses</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;358&gt;</a>
persona:Titles	Specifies the <b>Titles</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;359&gt;</a>
persona:Departments	Specifies the <b>Departments</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;360&gt;</a>
persona:CompanyNames	Specifies the <b>CompanyNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;361&gt;</a>
persona:Managers	Specifies the <b>Managers</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;362&gt;</a>
persona:AssistantNames	Specifies the <b>AssistantNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;363&gt;</a>
persona:Professions	Specifies the <b>Professions</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;364&gt;</a>
persona:SpouseNames	Specifies the <b>SpouseNames</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;365&gt;</a>
persona:Hobbies	Specifies the <b>Hobbies</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;366&gt;</a>
persona:WeddingAnniversaries	Specifies the <b>WeddingAnniversaries</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;367&gt;</a>
persona:Birthdays	Specifies the <b>Birthdays</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;368&gt;</a>
persona:Children	Specifies the <b>Children</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;369&gt;</a>
persona:Locations	Specifies the <b>Locations</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;370&gt;</a>
persona:ExtendedProperties	Specifies the <b>ExtendedProperties</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;371&gt;</a>
persona:PostalAddress	Specifies the <b>PersonalPostalAddressType complex type</b> ([MS-OXWSPERS] section 2.2.4.18). <a href="#">&lt;372&gt;</a>
persona:Bodies	Specifies the <b>Bodies</b> property ([MS-OXWSPERS] section 2.2.4.19). <a href="#">&lt;373&gt;</a>
rolemember:MemberType	For internal use only. <a href="#">&lt;374&gt;</a>
rolemember:MemberId	For internal use only. <a href="#">&lt;375&gt;</a>

Value	Description
rolemember:DisplayName	For internal use only. <a href="#">.&lt;376&gt;</a>
network:TokenRefreshLastCompleted	For internal use only. <a href="#">.&lt;377&gt;</a>
network:TokenRefreshLastAttempted	For internal use only. <a href="#">.&lt;378&gt;</a>
network:SyncEnabled	For internal use only. <a href="#">.&lt;379&gt;</a>
network:RejectedOffers	For internal use only. <a href="#">.&lt;380&gt;</a>
network:SessionHandle	For internal use only. <a href="#">.&lt;381&gt;</a>
network:RefreshTokenExpiry2	For internal use only. <a href="#">.&lt;382&gt;</a>
network:RefreshToken2	For internal use only. <a href="#">.&lt;383&gt;</a>
network:PsaLastChanged	For internal use only. <a href="#">.&lt;384&gt;</a>
network:Offers	For internal use only. <a href="#">.&lt;385&gt;</a>
network:LastWelcomeContact	For internal use only. <a href="#">.&lt;386&gt;</a>
network:LastVersionSaved	For internal use only. <a href="#">.&lt;387&gt;</a>
network:DomainTag	For internal use only. <a href="#">.&lt;388&gt;</a>
network:FirstAuthErrorDates	For internal use only. <a href="#">.&lt;389&gt;</a>
network:ErrorOffers	For internal use only. <a href="#">.&lt;390&gt;</a>
network:ContactSyncSuccess	For internal use only. <a href="#">.&lt;391&gt;</a>
network:ContactSyncError	For internal use only. <a href="#">.&lt;392&gt;</a>
network:ClientToken2	For internal use only. <a href="#">.&lt;393&gt;</a>
network:ClientToken	For internal use only. <a href="#">.&lt;394&gt;</a>
network:ClientPublishSecret	For internal use only. <a href="#">.&lt;395&gt;</a>
network:UserEmail	For internal use only. <a href="#">.&lt;396&gt;</a>
network:AutoLinkSuccess	For internal use only. <a href="#">.&lt;397&gt;</a>
network:AutoLinkError	For internal use only. <a href="#">.&lt;398&gt;</a>
network:IsDefault	For internal use only. <a href="#">.&lt;399&gt;</a>
network:Settings	For internal use only. <a href="#">.&lt;400&gt;</a>
network:ProfileUrl	For internal use only. <a href="#">.&lt;401&gt;</a>
network:UserTileUrl	For internal use only. <a href="#">.&lt;402&gt;</a>
network:DomainId	For internal use only. <a href="#">.&lt;403&gt;</a>
network:SourceEntryID	For internal use only. <a href="#">.&lt;404&gt;</a>
network:DisplayName	For internal use only. <a href="#">.&lt;405&gt;</a>
network:AccountName	For internal use only. <a href="#">.&lt;406&gt;</a>
abchperson:FavoriteOrder	Specifies the <b>FavoriteOrder</b> property ([MS-OXWSCONT] section

Value	Description
	2.2.4.1).<407>
abchperson:PersonId	Specifies the <b>PersonId</b> property ([MS-OXWSCONT] section 2.2.4.1).<408>
abchperson:AntiLinkInfo	Specifies the <b>AntiLinkInfo</b> property ([MS-OXWSCONT] section 2.2.4.1).<409>
abchperson:RelevanceOrder1	Specifies the <b>RelevanceOrder1</b> property ([MS-OXWSCONT] section 2.2.4.1).<410>
abchperson:RelevanceOrder2	Specifies the <b>RelevanceOrder2</b> property ([MS-OXWSCONT] section 2.2.4.1).<411>
abchperson:ContactHandles	Specifies the <b>ContactHandles</b> property ([MS-OXWSCONT] section 2.2.4.1).<412>
abchperson:Categories	Specifies the <b>ContactCategories</b> property ([MS-OXWSCONT] section 2.2.4.1).<413>
booking:ServiceIds	For internal use only. <414>
booking:StaffIds	For internal use only. <415>
booking:CustomerName	For internal use only. <416>
booking:CustomerEmail	For internal use only. <417>
booking:CustomerPhone	For internal use only. <418>
booking:CustomerId	For internal use only. <419>
insight:InsightId	For internal use only.<420>
insight:Type	For internal use only.<421>
insight:StartTimeUtc	For internal use only.<422>
insight:EndTimeUtc	For internal use only.<423>
insight:Status	For internal use only.<424>
insight:Version	For internal use only.<425>

## 2.2.6 Attributes

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

## 2.2.7 Groups

### 2.2.7.1 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>

```

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

Element name	Type	Description
<b>t:RelativeYearlyRecurrence</b>	<b>t:RelativeYearlyRecurrencePatternType</b> (section <a href="#">2.2.4.62</a> )	Specifies a relative yearly recurrence pattern.
<b>AbsoluteYearlyRecurrence</b>	<b>t:AbsoluteYearlyRecurrencePatternType</b> (section <a href="#">2.2.4.2</a> )	Specifies a yearly recurrence pattern.
<b>RelativeMonthlyRecurrence</b>	<b>t:RelativeMonthlyRecurrencePatternType</b> section <a href="#">2.2.4.61</a> )	Specifies a relative monthly recurrence pattern for a recurring calendar item.
<b>AbsoluteMonthlyRecurrence</b>	<b>t:AbsoluteMonthlyRecurrencePatternType</b> (section <a href="#">2.2.4.1</a> )	Specifies a monthly recurrence pattern.
<b>WeeklyRecurrence</b>	<b>t:WeeklyRecurrencePatternType</b> (section <a href="#">2.2.4.76</a> )	Specifies the interval, in weeks, at which a calendar item recurs, and the days of the week on which it occurs.
<b>DailyRecurrence</b>	<b>t:DailyRecurrencePatternType</b> (section <a href="#">2.2.4.24</a> )	Specifies the interval, in days, at which a calendar item recurs.

### 2.2.7.2 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:choice>
  </xs:sequence>
</xs:group>

```

```

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

```

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

Element name	Type	Description
<b>NoEndRecurrence</b>	<b>t:NoEndRecurrenceRangeType</b> (section <a href="#">2.2.4.46</a> )	Specifies a recurrence pattern that does not have a defined end date.
<b>EndDateRecurrence</b>	<b>t:EndDateRecurrenceRangeType</b> (section <a href="#">2.2.4.32</a> )	Specifies the start date and the end date of an item recurrence pattern.
<b>NumberedRecurrence</b>	<b>t:NumberedRecurrenceRangeType</b> (section <a href="#">2.2.4.53</a> )	Specifies the start date and the number of occurrences of a recurring item.

### 2.2.7.3 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>

```

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

Element name	Type	Description
<b>RelativeYearlyRecurrence</b>	<b>t:RelativeYearlyRecurrencePatternType</b> (section <a href="#">2.2.4.62</a> )	Specifies a relative yearly <b>recurrence pattern</b> for a time zone transition date.
<b>AbsoluteDate</b>	<b>xs:date</b> ( <a href="#">[XMLSCHEMA2]</a> )	Specifies the date when the time changes from standard time or daylight saving time.

## 2.2.8 Attribute Groups

### 2.2.8.1 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:boolean"
    use="optional"
  />
  <xs:attribute name="TotalItemsInView"
    type="xs:int"
    use="optional"
  />
</xs:attributeGroup>
```

#### Attributes

Name	Type	Description
<b>IndexedPagingOffset</b>	<b>xs:int</b> ( <a href="#">XMLSCHEMA2</a> )	Specifies the next index that SHOULD be used for the next request when using an indexed paging view.
<b>NumeratorOffset</b>	<b>xs:int</b>	Specifies the new numerator value to use for the next request when using fraction page views.
<b>AbsoluteDenominator</b>	<b>xs:int</b>	Specifies the next denominator to use for the next request when doing fractional paging.
<b>IncludesLastItemInRange</b>	<b>xs:boolean</b>	Specifies whether the current results contain the last item in the query, such that no further paging is required.
<b>TotalItemsInView</b>	<b>xs:int</b>	Specifies the total number of results.



## 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

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

#### 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**

None.

### **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 <b>XML schema</b> message definitions.	<a href="#">7.1</a>
MS-OXWSCDATA-types.xsd	Contains the XML schema type definitions.	<a href="#">7.2</a>

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:	<a href="#">7.1</a>
Types schema	t:	<a href="#">7.2</a>

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.

### 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 <a href="#">7.2</a>
MS-OXWSCORE-messages.xsd	<a href="#">[MS-OXWSCORE]</a> section 7.1
MS-OXWSFOLD-messages.xsd	<a href="#">[MS-OXWSFOLD]</a> section 7.1
MS-OXWSSRCH-messages.xsd	<a href="#">[MS-OXWSSRCH]</a> section 7.1
MS-OXWSATT-messages.xsd	<a href="#">[MS-OXWSATT]</a> section 7.1
MS-OXWSRSLNM-messages.xsd	<a href="#">[MS-OXWSRSLNM]</a> section 7.1
MS-OXWSDLIST-messages.xsd	<a href="#">[MS-OXWSDLIST]</a> section 6.3
MS-OXWSGTZ-messages.xsd	<a href="#">[MS-OXWSGTZ]</a> section 7.1
MS-OXWSNTIF-messages.xsd	<a href="#">[MS-OXWSNTIF]</a> section 7.1
MS-OXWSPSNTIF-messages.xsd	<a href="#">[MS-OXWSPSNTIF]</a> section 7.1
MS-OXWSSYNC-messages.xsd	<a href="#">[MS-OXWSSYNC]</a> section 7.1
MS-OXWSCVTID-messages.xsd	<a href="#">[MS-OXWSCVTID]</a> section 7.1
MS-OXWSMSHR-messages.xsd	<a href="#">[MS-OXWSMSHR]</a> section 7.1
MS-OXWSGTRM-messages.xsd	<a href="#">[MS-OXWSGTRM]</a> section 7.1
MS-OXWSBTRF-messages.xsd	<a href="#">[MS-OXWSBTRF]</a> section 7.1
MS-OXWSPED-messages.xsd	<a href="#">[MS-OXWSPED]</a> section 7
MS-OXWSCONT-messages.xsd	<a href="#">[MS-OXWSCONT]</a> section 7.1
MS-OXWSEDISC-types.xsd	<a href="#">[MS-OXWSEDISC]</a> section 7.2

```

<?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="Exchange2016" id="messages">
  <xs:import namespace="http://schemas.microsoft.com/exchange/services/2006/types"
schemaLocation="MS-OXWSCDATA-types.xsd"/>
  <xs:import namespace="http://schemas.microsoft.com/exchange/services/2006/types"
schemaLocation="MS-OXWSEDISC-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-OXWSYNC-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-OXWSUSRCFG-messages.xsd"/>
  <xs:include schemaLocation="MS-OXWSPED-messages.xsd"/>
  <xs:include schemaLocation="MS-OXWSCEXT-messages.xsd"/>
  <xs:include schemaLocation="MS-OXWSEDISC-messages.xsd"/>
  <xs:include schemaLocation="MS-OXWSGNI-messages.xsd"/>
  <xs:include schemaLocation="MS-OXWSPERS-messages.xsd"/>
  <xs:include schemaLocation="MS-OXWSCONV-messages.xsd"/>
  <xs:include schemaLocation="MS-OXWSURPT-messages.xsd"/>
  <xs:include schemaLocation="MS-OXWSCONT-messages.xsd"/>
  <xs:complexType name="ArrayOfResponseMessagesType">
    <xs:choice maxOccurs="unbounded">
      <xs:element name="CreateItemResponseMessage" type="m:ItemInfoResponseMessageType"/>
      <xs:element name="DeleteItemResponseMessage" type="m:DeleteItemResponseMessageType"/>
      <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="GetAppManifestsResponseMessage" type="m:ResponseMessageType"/>
      <xs:element name="GetClientExtensionResponseMessage" type="m:ResponseMessageType"/>
      <xs:element name="SetClientExtensionResponseMessage" type="m:ResponseMessageType"/>
      <xs:element name="GetOMEConfigurationResponseMessage" type="m:ResponseMessageType"/>
      <xs:element name="SetOMEConfigurationResponseMessage" type="m:ResponseMessageType"/>
      <xs:element name="FindItemResponseMessage" type="m:FindItemResponseMessageType"/>
    </xs:choice>
  </xs:complexType>

```

```

    <xs:element name="MoveItemResponseMessage" type="m:ItemInfoResponseMessageType"/>
    <xs:element name="ArchiveItemResponseMessage" 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:ApplyConversationActionResponseMessageType"/>
    <xs:element name="GetSearchableMailboxesResponseMessage"
type="m:GetSearchableMailboxesResponseMessageType"/>
    <xs:element name="SearchMailboxesResponseMessage"
type="m:SearchMailboxesResponseMessageType"/>
    <xs:element name="GetDiscoverySearchConfigurationResponseMessage"
type="m:GetDiscoverySearchConfigurationResponseMessageType"/>
    <xs:element name="GetHoldOnMailboxesResponseMessage"
type="m:GetHoldOnMailboxesResponseMessageType"/>
    <xs:element name="SetHoldOnMailboxesResponseMessage"
type="m:SetHoldOnMailboxesResponseMessageType"/>
    <xs:element name="GetNonIndexableItemStatisticsResponseMessage"
type="m:GetNonIndexableItemStatisticsResponseMessageType"/>
    <!-- GetNonIndexableItemDetails response -->
    <xs:element name="GetNonIndexableItemDetailsResponseMessage"
type="m:GetNonIndexableItemDetailsResponseMessageType"/>
    <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:element name="MarkAsJunkResponseMessage" type="m:MarkAsJunkResponseMessageType"/>

```



```

    <xs:element name="UpdateMailboxAssociationResponseMessage"
type="m:ResponseMessageType"/>
    <xs:element name="UpdateGroupMailboxResponseMessage" type="m:ResponseMessageType"/>
    <xs:element name="PostModernGroupItemResponseMessage" type="m:ResponseMessageType"/>
    <xs:element name="LikeItemResponseMessage" type="m:ResponseMessageType"/>
  </xs:choice>
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<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>
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  <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>
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          <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
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      </xs:complexType>
    </xs:element>
  </xs:sequence>
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    <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"/>
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    <xs:enumeration value="ErrorAvailabilityConfigNotFound"/>
    <xs:enumeration value="ErrorBatchProcessingStopped"/>
    <xs:enumeration value="ErrorCalendarCannotMoveOrCopyOccurrence"/>
    <xs:enumeration value="ErrorCalendarCannotUpdateDeletedItem"/>
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    <xs:enumeration value="ErrorCalendarEndDateIsEarlierThanStartDate"/>
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    <xs:enumeration value="ErrorCalendarInvalidAttributeValue"/>
    <xs:enumeration value="ErrorCalendarInvalidDayForTimeChangePattern"/>
    <xs:enumeration value="ErrorCalendarInvalidDayForWeeklyRecurrence"/>
    <xs:enumeration value="ErrorCalendarInvalidPropertyState"/>
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  </xs:restriction>
</xs:simpleType>

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<xs:enumeration value="ErrorCalendarInvalidRecurrence"/>  
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<xs:enumeration value="ErrorDeleteItemsFailed"/>  
<xs:enumeration value="ErrorDeleteUnifiedMessagingPromptFailed"/>  
<xs:enumeration value="ErrorDistinguishedUserNotSupported"/>  
<xs:enumeration value="ErrorDistributionListMemberNotExist"/>

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```

```
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<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="ErrorInvalidRetentionTagIdGuid"/>
<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="ErrorInvalidSmtAddress"/>
<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="ErrorMailboxHoldNotFound"/>
<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="ErrorMultiLegacyMailboxAccess"/>
<xs:enumeration value="ErrorNameResolutionMultipleResults"/>
<xs:enumeration value="ErrorNameResolutionNoMailbox"/>
<xs:enumeration value="ErrorNameResolutionNoResults"/>
<xs:enumeration value="ErrorNoApplicableProxyCASsServersAvailable"/>
<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="ErrorPromptPublishingOperationFailed"/>
<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="ErrorPublicFolderMailboxDiscoveryFailed"/>
<xs:enumeration value="ErrorPublicFolderOperationFailed"/>
<xs:enumeration value="ErrorPublicFolderRequestProcessingFailed"/>
<xs:enumeration value="ErrorPublicFolderServerNotFound"/>
<xs:enumeration value="ErrorPublicFolderSyncException"/>
<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="ErrorTeamMailboxNotFound"/>
<xs:enumeration value="ErrorTeamMailboxNotLinkedToSharePoint"/>
<xs:enumeration value="ErrorTeamMailboxUrlValidationFailed"/>
<xs:enumeration value="ErrorTeamMailboxNotAuthorizedOwner"/>
<xs:enumeration value="ErrorTeamMailboxActiveToPendingDelete"/>
<xs:enumeration value="ErrorTeamMailboxFailedSendingNotifications"/>
<xs:enumeration value="ErrorTeamMailboxErrorUnknown"/>
<xs:enumeration value="ErrorTimeIntervalTooBig"/>
<xs:enumeration value="ErrorTimeoutExpired"/>
<xs:enumeration value="ErrorTimeZone"/>
<xs:enumeration value="ErrorToFolderNotFound"/>
<xs:enumeration value="ErrorTokenSerializationDenied"/>
<xs:enumeration value="ErrorTooManyObjectsOpened"/>
<xs:enumeration value="ErrorUpdatePropertyMismatch"/>
<xs:enumeration value="ErrorUnifiedMessagingDialPlanNotFound"/>
<xs:enumeration value="ErrorUnifiedMessagingReportDataNotFound"/>
<xs:enumeration value="ErrorUnifiedMessagingPromptNotFound"/>
<xs:enumeration value="ErrorUnifiedMessagingRequestFailed"/>
```

```

<xs:enumeration value="ErrorUnifiedMessagingServerNotFound"/>
<xs:enumeration value="ErrorUnableToGetUserOofSettings"/>
<xs:enumeration value="ErrorUnableToRemoveImContactFromGroup"/>
<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:enumeration value="ErrorDuplicateLegacyDistinguishedName"/>
<xs:enumeration value="ErrorInvalidClientAccessTokenRequest"/>
<xs:enumeration value="ErrorNoSpeechDetected"/>
<xs:enumeration value="ErrorUMServerUnavailable"/>
<xs:enumeration value="ErrorRecipientNotFound"/>
<xs:enumeration value="ErrorRecognizerNotInstalled"/>
<xs:enumeration value="ErrorSpeechGrammarError"/>
<xs:enumeration value="ErrorInvalidManagementRoleHeader"/>
<xs:enumeration value="ErrorLocationServicesDisabled"/>
<xs:enumeration value="ErrorLocationServicesRequestTimedOut"/>
<xs:enumeration value="ErrorLocationServicesRequestFailed"/>
<xs:enumeration value="ErrorLocationServicesInvalidRequest"/>
<xs:enumeration value="ErrorWeatherServiceDisabled"/>
<xs:enumeration value="ErrorMailboxScopeNotAllowedWithoutQueryString"/>
<xs:enumeration value="ErrorArchiveMailboxSearchFailed"/>
<xs:enumeration value="ErrorGetRemoteArchiveFolderFailed"/>

```

```

<xs:enumeration value="ErrorFindRemoteArchiveFolderFailed"/>
<xs:enumeration value="ErrorGetRemoteArchiveItemFailed"/>
<xs:enumeration value="ErrorExportRemoteArchiveItemsFailed"/>
<xs:enumeration value="ErrorInvalidPhotoSize"/>
<xs:enumeration value="ErrorSearchQueryHasTooManyKeywords"/>
<xs:enumeration value="ErrorSearchTooManyMailboxes"/>
<xs:enumeration value="ErrorDiscoverySearchesDisabled"/>
<xs:enumeration value="ErrorCalendarSeekToConditionNotSupported"/>
<xs:enumeration value="ErrorCalendarIsGroupMailboxForAccept"/>
<xs:enumeration value="ErrorCalendarIsGroupMailboxForDecline"/>
<xs:enumeration value="ErrorCalendarIsGroupMailboxForTentative"/>
<xs:enumeration value="ErrorCalendarIsGroupMailboxForSuppressReadReceipt"/>
<xs:enumeration value="ErrorOrganizationAccessBlocked"/>
<xs:enumeration value="ErrorInvalidLicense"/>
<xs:enumeration value="ErrorMessagePerFolderCountReceiveQuotaExceeded"/>
<xs:enumeration value="ErrorInvalidBulkActionType"/>
<xs:enumeration value="ErrorInvalidKeepNCount"/>
<xs:enumeration value="ErrorInvalidKeepNType"/>
<xs:enumeration value="ErrorNoOAuthServerAvailableForRequest"/>
<xs:enumeration value="ErrorInstantSearchSessionExpired"/>
<xs:enumeration value="ErrorInstantSearchTimeout"/>
<xs:enumeration value="ErrorInstantSearchFailed"/>
<xs:enumeration value="ErrorInvalidFederationOrganizationIdentifier"/>
<xs:enumeration value="ErrorInvalidSweepRule"/>
<xs:enumeration value="ErrorInvalidSweepRuleOperationType"/>
<xs:enumeration value="ErrorTargetDomainNotSupported"/>
</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	<a href="#">[MS-OXWSMSG]</a> section 7.
MS-OXWSFOLD-types.xsd	<a href="#">[MS-OXWSFOLD]</a> section 7.2.
MS-OXWSATT-types.xsd	<a href="#">[MS-OXWSATT]</a> section 7.2.
MS-OXWSDLIST-types.xsd	<a href="#">[MS-OXWSDLIST]</a> section 6.2.
MS-OXWSTASK-types.xsd	<a href="#">[MS-OXWSTASK]</a> section 7.2.

```

<?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="Exchange2016" 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:include schemaLocation="MS-OXWSUSRCFG-types.xsd"/>
  <xs:complexType name="AbsoluteMonthlyRecurrencePattern">
    <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>
<xs:complexType name="ArrayOfEmailAddressesType">
    <xs:sequence>
        <xs:element name="Address" type="t:EmailAddressType" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ArrayOfHighlightTermsType">
    <xs:sequence>
        <xs:element name="Term" type="t:HighlightTermType" 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:element name="RoleMember" type="t:RoleMemberItemType"/>
            <xs:element name="Network" type="t:NetworkItemType"/>
            <xs:element name="Person" type="t:AbchPersonItemType"/>
        </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:attribute name="IsTruncated" type="xs:boolean" use="optional"/>
    </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="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>
<xs:complexType name="ConnectingSIDType">
  <xs:choice>
    <xs:element name="PrincipalName" type="t:PrincipalNameType"/>
    <xs:element name="SID" type="t:SIDType"/>
    <xs:element name="PrimarySmtpAddress" type="t:PrimarySmtpAddressType"/>
    <xs:element name="SmtpAddress" type="t:SmtpAddressType"/>
  </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:simpleType name="DateTimePrecisionType">
  <xs:annotation>
    <xs:documentation>Precision for returned DateTime values</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:enumeration value="Seconds"/>
    <xs:enumeration value="Milliseconds"/>
  </xs:restriction>
</xs:simpleType>
<xs:element name="DateTimePrecision" type="t:DateTimePrecisionType"/>
<xs:simpleType name="DayOfWeekIndexType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="First"/>
  </xs:restriction>

```

```

        <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">
    <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:restriction>

```

```

<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="recoverableitemsdiscoveryholds"/>
<xs:enumeration value="archiveroot"/>
<xs:enumeration value="archivemsgfolderroot"/>
<xs:enumeration value="archiveddeleteditems"/>
<xs:enumeration value="archiveinbox"/>
<xs:enumeration value="archiverecoverableitemsroot"/>
<xs:enumeration value="archiverecoverableitemsdeletions"/>
<xs:enumeration value="archiverecoverableitemsversions"/>
<xs:enumeration value="archiverecoverableitemspurges"/>
<xs:enumeration value="archiverecoverableitemsdiscoveryholds"/>
<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:enumeration value="directory"/>
<xs:enumeration value="imcontactlist"/>
<xs:enumeration value="peopleconnect"/>
<xs:enumeration value="favorites"/>
<xs:enumeration value="mecontact" />
<xs:enumeration value="personmetadata" />
</xs:restriction>
</xs:simpleType>
<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>
<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:enumeration value="Sharing"/>
  </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 name="StartTime" type="xs:dateTime" minOccurs="1" maxOccurs="1"/>
    <xs:element name="EndTime" type="xs:dateTime" minOccurs="1" maxOccurs="1"/>
  </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 name="Name" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="Address" type="xs:string" minOccurs="1" maxOccurs="1"/>
    <xs:element name="RoutingType" type="xs:string" minOccurs="0" maxOccurs="1"/>
  </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"/>
        <xs:element name="ItemId" type="t:ItemIdType" minOccurs="0"/>
        <xs:element name="OriginalDisplayName" type="xs:string" 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:enumeration value="Exchange2013" />
      <xs:enumeration value="Exchange2013_SP1" />
      <xs:enumeration value="Exchange2016" />
    </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:simpleType name="IconIndexType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Default" />
      <xs:enumeration value="PostItem" />
      <xs:enumeration value="MailRead" />
      <xs:enumeration value="MailUnread" />
      <xs:enumeration value="MailReplied" />
      <xs:enumeration value="MailForwarded" />
      <xs:enumeration value="MailEncrypted" />
      <xs:enumeration value="MailSmimeSigned" />
      <xs:enumeration value="MailEncryptedReplied" />
      <xs:enumeration value="MailSmimeSignedReplied" />
      <xs:enumeration value="MailEncryptedForwarded" />
      <xs:enumeration value="MailSmimeSignedForwarded" />
      <xs:enumeration value="MailEncryptedRead" />
      <xs:enumeration value="MailSmimeSignedRead" />
      <xs:enumeration value="MailIrm" />
      <xs:enumeration value="MailIrmForwarded" />
      <xs:enumeration value="MailIrmReplied" />
      <xs:enumeration value="SmsSubmitted" />
      <xs:enumeration value="SmsRoutedToDeliveryPoint" />
      <xs:enumeration value="SmsRoutedToExternalMessagingSystem" />
      <xs:enumeration value="SmsDelivered" />
      <xs:enumeration value="OutlookDefaultForContacts" />
      <xs:enumeration value="AppointmentItem" />
      <xs:enumeration value="AppointmentRecur" />
      <xs:enumeration value="AppointmentMeet" />
      <xs:enumeration value="AppointmentMeetRecur" />
      <xs:enumeration value="AppointmentMeetNY" />
      <xs:enumeration value="AppointmentMeetYes" />
      <xs:enumeration value="AppointmentMeetNo" />
      <xs:enumeration value="AppointmentMeetMaybe" />
      <xs:enumeration value="AppointmentMeetCancel" />
      <xs:enumeration value="AppointmentMeetInfo" />
      <xs:enumeration value="TaskItem" />
      <xs:enumeration value="TaskRecur" />
      <xs:enumeration value="TaskOwned" />
      <xs:enumeration value="TaskDelegated" />
    </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:simpleType name="FlagStatusType">

```

```

    <xs:restriction base="xs:string">
      <xs:enumeration value="NotFlagged"/>
      <xs:enumeration value="Flagged"/>
      <xs:enumeration value="Complete"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:attributeGroup name="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: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: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>
  <xs:element name="IndexedFieldURI" type="t:PathToIndexedFieldType"
substitutionGroup="t:Path"/>
  <xs:simpleType name="InferredImportanceType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="Unimportant"/>
      <xs:enumeration value="None"/>
      <xs:enumeration value="Important"/>
    </xs:restriction>
  </xs:simpleType>
  <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:sequence>
  </xs:complexType>

```

```

        <xs:element name="UniqueBodyType" type="t:BodyTypeResponseType" minOccurs="0"/>
        <xs:element name="NormalizedBodyType" 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="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="MaximumBodySize" type="xs:int" 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"/>
        <xs:enumeration value="Busy"/>
        <xs:enumeration value="OOO"/>
        <xs:enumeration value="WorkingElsewhere"/>
        <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:enumeration value="GroupMailbox"/>
    </xs:restriction>
</xs:simpleType>
<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>
<xs:element name="ManagementRole" type="t:ManagementRoleType"/>
<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:restriction>

```



```

        <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:element name="RoleMember" type="t:RoleMemberItemType"/>
            <xs:element name="Network" type="t:NetworkItemType"/>
            <xs:element name="Person" type="t:AbchPersonItemType"/>
        </xs:choice>
    </xs:sequence>
</xs:complexType>
<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:element name="ReferenceAttachment" type="t:ReferenceAttachmentType"/>
    </xs:choice>
</xs:complexType>
<xs:complexType name="NonEmptyArrayOfPathsToElementType">
    <xs:choice maxOccurs="unbounded">
        <xs:element ref="t:Path"/>
    </xs:choice>
</xs:complexType>
<xs:complexType name="NonEmptyArrayOfPredictedActionReasonType">
    <xs:sequence>
        <xs:element name="PredictedActionReason" type="t:PredictedActionReasonType"
maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
<xs:simpleType name="PredictedActionReasonType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="None"/>
        <xs:enumeration value="ConversationStarterIsYou"/>
        <xs:enumeration value="OnlyRecipient"/>
        <xs:enumeration value="ConversationContributions"/>
        <xs:enumeration value="MarkedImportantBySender"/>
        <xs:enumeration value="SenderIsManager"/>
        <xs:enumeration value="SenderIsInManagementChain"/>
    </xs:restriction>
</xs:simpleType>

```

```

    <xs:enumeration value="SenderIsDirectReport"/>
    <xs:enumeration value="ActionBasedOnSender"/>
    <xs:enumeration value="NameOnToLine"/>
    <xs:enumeration value="NameOnCcLine"/>
    <xs:enumeration value="ManagerPosition"/>
    <xs:enumeration value="ReplyToAMessageFromMe"/>
    <xs:enumeration value="PreviouslyFlagged"/>
    <xs:enumeration value="ActionBasedOnRecipients"/>
    <xs:enumeration value="ActionBasedOnSubjectWords"/>
    <xs:enumeration value="ActionBasedOnBasedOnBodyWords"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="NonEmptyArrayOfRoleType">
  <xs:sequence>
    <xs:element name="Role" type="xs:string" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="NonEmptyStringType">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="NormalizedBodyType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="NormalizedBodyType" type="t:BodyTypeType" use="required"/>
      <xs:attribute name="IsTruncated" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
<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"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:simpleType name="PredictedMessageActionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="None" />
    <xs:enumeration value="Respond" />
    <xs:enumeration value="FollowUp" />
    <xs:enumeration value="MoveToFolder" />
  </xs:restriction>

```

```

        <xs:enumeration value="Delete" />
        <xs:enumeration value="Read" />
        <xs:enumeration value="Ignore" />
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="PrimarySmtpAddressType">
    <xs:simpleContent>
        <xs:extension base="t:NonEmptyStringType"/>
    </xs:simpleContent>
</xs:complexType>
<xs:complexType name="RecurrencePatternBaseType" abstract="true"/>
<xs:group name="RecurrenceTypes">
    <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 name="Message" type="xs:string" minOccurs="0" maxOccurs="1"/>
    </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="Exchange2016"/>
        <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>
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        <xs:extension base="t:ReferenceItemResponseType"/>
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</xs:complexType>

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type="t:AbsoluteYearlyRecurrencePatternType"/>
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        <xs:element name="WeeklyRegeneration"
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type="t:YearlyRegeneratingPatternType"/>
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      <xs:enumeration value="folder:PolicyTag"/>
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      <xs:enumeration value="folder:ReplicaList"/>
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```



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```

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        <xs:enumeration value="network:DomainId"/>
        <xs:enumeration value="network:DisplayName" />
        <xs:enumeration value="network:AccountName" />
        <xs:enumeration value="network:SourceEntryID" />
        <xs:enumeration value="abchperson:FavoriteOrder"/>
        <xs:enumeration value="abchperson:PersonId"/>
        <xs:enumeration value="abchperson:AntiLinkInfo"/>
        <xs:enumeration value="abchperson:RelevanceOrder1"/>
        <xs:enumeration value="abchperson:RelevanceOrder2"/>
        <xs:enumeration value="abchperson:ContactHandles"/>
        <xs:enumeration value="abchperson:Categories"/>
        <xs:enumeration value="booking:ServiceIds" />
        <xs:enumeration value="booking:StaffIds" />
        <xs:enumeration value="booking:CustomerName" />
        <xs:enumeration value="booking:CustomerEmail" />
        <xs:enumeration value="booking:CustomerPhone" />
        <xs:enumeration value="booking:CustomerId"/>
        <xs:enumeration value="insight:InsightId"/>
        <xs:enumeration value="insight:Type"/>
        <xs:enumeration value="insight:StartTimeUtc"/>
        <xs:enumeration value="insight:EndTimeUtc"/>
        <xs:enumeration value="insight:Status"/>
        <xs:enumeration value="insight:Version"/>
    </xs:restriction>
</xs:simpleType>
<xs:complexType name="UniqueBodyType">
    <xs:simpleContent>
        <xs:extension base="xs:string">
            <xs:attribute name="UniqueBodyType" type="t:BodyTypeType" use="required"/>
            <xs:attribute name="IsTruncated" type="xs:boolean" use="optional"/>
        </xs:extension>
    </xs:simpleContent>
</xs:complexType>
<xs:complexType name="UserIdType">
    <xs:sequence>
        <xs:element name="SID" type="xs:string" minOccurs="0"/>
        <xs:element name="PrimarySmtptAddress" 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:sequence>
        </xs:restriction>
    </xs:complexContent>
</xs:complexType>

```

```

minOccurs="0"/>
    <xs:element name="Sensitivity" type="t:SensitivityChoicesType"
    <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 updates to those products.

- Microsoft Exchange Server 2007
- Microsoft Exchange Server 2010
- Microsoft Exchange Server 2013
- Microsoft Exchange Server 2016
- Microsoft Exchange Server 2019

Exceptions, if any, are noted in this section. If an update version, service pack or Knowledge Base (KB) number appears with a product name, the behavior changed in that update. The new behavior also applies to subsequent updates 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 2.2.3.1](#): Exchange 2007, the initial release version of Exchange 2010, and Microsoft Exchange Server 2010 Service Pack 1 (SP1) do not include the **DateTimePrecision** element.

[<2> Section 2.2.3.7](#): Exchange 2007 and Exchange 2010 do not use the **ManagementRole** element.

[<3> Section 2.2.3.9](#): Exchange 2007 does not include the **RequestServerVersion** element. Microsoft Exchange Server 2007 Service Pack 1 (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. Microsoft Exchange Server 2010 Service Pack 2 (SP2) includes a fixed attribute with a value equal to Exchange2010\_SP2.

[<4> Section 2.2.4.4](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **ApplyConversationActionResponseMessageType** complex type. This type was introduced in Microsoft Exchange Server 2013 Service Pack 1 (SP1).

[<5> Section 2.2.4.6](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **ArrayOfDistinguishedFolderIdType** complex type.

[<6> Section 2.2.4.8](#): Exchange 2007 and Exchange 2010 do not use the **ArrayOfHighlightTermsType** complex type.

[<7> Section 2.2.4.10](#): Exchange 2007 does not return the items of type **t:ItemType** as a **t:MessageType** type. Exchange 2007 SP1 starts to return the items of type **t:ItemType** as a **t:MessageType** type.

[<8> Section 2.2.4.10](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **RoleMember** element.

[<9> Section 2.2.4.10](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **Network** element.

[<10> Section 2.2.4.10](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **Person** element. Exchange 2016 and Exchange 2019 return **Item** element with type **t:AbchPersonItemType** instead of **Person** element.

<11> [Section 2.2.4.10](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **Booking** element.

<12> [Section 2.2.4.10](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **XrmOrganization** element.

<13> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **UpdateItemInRecoverableItemsResponseMessage** element.

<14> [Section 2.2.4.12](#): Exchange 2007 and the initial release version of Exchange 2010 do not include the **EmptyFolderResponseMessage** element.

<15> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **CreateFolderPathResponseMessage** element.

<16> [Section 2.2.4.12](#): Exchange 2007 and the initial release version of Exchange 2010 do not include the **UploadItemsResponseMessage** element.

<17> [Section 2.2.4.12](#): Exchange 2007 and the initial release version of Exchange 2010 do not include the **ExportItemsResponseMessage** element.

<18> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **MarkAllItemsAsReadResponseMessage** element.

<19> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetClientAccessTokenResponseMessage** element.

<20> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetClientExtensionResponseMessage** element.

<21> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **SetClientExtensionResponseMessage** element.

<22> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetOMEConfigurationResponseMessage** element.

<23> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **SetOMEConfigurationResponseMessage** element.

<24> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **ArchiveItemResponseMessage** element.

<25> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not include the **GetStreamingEventsResponseMessage** element.

<26> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetRemindersResponse** and **PerformReminderActionResponse** element.

<27> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetRemindersResponse** element.

<28> [Section 2.2.4.12](#): Exchange 2007 and the initial release version of Exchange 2010 do not include the **ApplyConversationActionResponseMessage** element.

<29> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetSearchableMailboxesResponseMessage** element.

<30> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **SearchMailboxesResponseMessage** element.

- <31> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetDiscoverySearchConfigurationResponseMessage** element.
- <32> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetHoldOnMailboxesResponseMessage** element.
- <33> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **SetHoldOnMailboxesResponseMessage** element.
- <34> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetNonIndexableItemStatisticsResponseMessage** element.
- <35> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetNonIndexableItemDetailsResponseMessage** element.
- <36> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **FindPeopleResponseMessage** element.
- <37> [Section 2.2.4.12](#): Exchange 2007, the initial release version of Exchange 2010, and Exchange 2010 SP1 do not include the **GetPasswordExpirationDateResponse** element.
- <38> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetPersonaResponseMessage** element.
- <39> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetConversationItemsResponseMessage** element.
- <40> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetUserRetentionPolicyTagsResponseMessage** element.
- <41> [Section 2.2.4.12](#): Exchange 2007 and Exchange 2010 do not use the **GetUserPhotoResponseMessage** element.
- <42> [Section 2.2.4.12](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **UpdateMailboxAssociationResponseMessage** complex type.
- <43> [Section 2.2.4.12](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the **UpdateGroupMailboxResponseMessage** complex type. This type was introduced in Exchange 2013 SP1.
- <44> [Section 2.2.4.12](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the **PostModernGroupItemResponseMessage** complex type. This type was introduced in Exchange 2013 SP1.
- <45> [Section 2.2.4.12](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the **LikeItemResponseMessage** complex type. This type was introduced in Exchange 2013 SP1.
- <46> [Section 2.2.4.12](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **GetUnifiedGroupUnseenDataResponseMessage** complex type.
- <47> [Section 2.2.4.19](#): Exchange 2007 and Exchange 2010 do not use the **IsTruncated** value.
- <48> [Section 2.2.4.20](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **BookingItemType** complex type.
- <49> [Section 2.2.4.21](#): Exchange 2007 and Exchange 2010 do not use the **ChangeHighlightsType** complex type.



<50> [Section 2.2.4.26](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **DeleteItemResponseMessageType** complex type. This type was introduced in Exchange 2013 SP1.

<51> [Section 2.2.4.29](#): Exchange 2007 and Exchange 2010 do not include the **ViewPrivateItems** element.

<52> [Section 2.2.4.31](#): Exchange 2007 does not return the **MailboxType** element in the **GetItem** operation.

<53> [Section 2.2.4.38](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **GetUnifiedGroupUnseenDataResponseMessageType** complex type.

<54> [Section 2.2.4.39](#): Exchange 2007 and Exchange 2010 do not use the **HighlightTermType** complex type.

<55> [Section 2.2.4.43](#): Exchange 2007 and Exchange 2010 return **ErrorInvalidPropertyForOperation** response code if **IncludeMimeContent** element is included in the **SyncFolderItems** operation request. Exchange 2013, Exchange 2016, and Exchange 2019 ignore **IncludeMimeContent** element for **SyncFolderItems** operation.

<56> [Section 2.2.4.43](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the **UniqueBodyType** element. This element was introduced in Exchange 2013 SP1.

<57> [Section 2.2.4.43](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the **NormalizedBodyType** element. This element was introduced in Exchange 2013 SP1.

<58> [Section 2.2.4.43](#): Exchange 2007 does not use the **FilterHtmlContent** element.

<59> [Section 2.2.4.43](#): Exchange 2007 does not include the **ConvertHtmlCodePageToUTF8** element.

<60> [Section 2.2.4.43](#): Exchange 2007 and Exchange 2010 do not use the **InlineImageUrlTemplate** element.

<61> [Section 2.2.4.43](#): Exchange 2007 and Exchange 2010 do not use the **BlockExternalImages** element.

<62> [Section 2.2.4.43](#): Exchange 2007 and Exchange 2010 do not use the **AddBlankTargetToLinks** element.

<63> [Section 2.2.4.43](#): Exchange 2007 and Exchange 2010 do not use the **MaximumBodySize** element.

<64> [Section 2.2.4.45](#): Exchange 2007 and Exchange 2010 do not use the **ManagementRoleType** complex type.

<65> [Section 2.2.4.47](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **RoleMember** element

<66> [Section 2.2.4.47](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **Network** element.

<67> [Section 2.2.4.47](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **Person** element.

<68> [Section 2.2.4.47](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **Booking** element.

<69> [Section 2.2.4.47](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not support the **XrmOrganization** element.

<70> [Section 2.2.4.48](#): ReferenceAttachment is not supported in Exchange 2013 and earlier.

<71> [Section 2.2.4.50](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **NonEmptyArrayOfPredictedActionReasonType** complex type. This type was introduced in Exchange 2013 SP1.

<72> [Section 2.2.4.51](#): Exchange 2007 and Exchange 2010 do not use the **NonEmptyArrayOfRoleType** complex type.

<73> [Section 2.2.4.52](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **NormalizedBodyType** complex type. This type was introduced in Exchange 2013 SP1.

<74> [Section 2.2.4.57](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **PrimarySmtpAddressType** complex type. This type was introduced in Exchange 2013 SP1.

<75> [Section 2.2.4.58](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **PrincipalNameType** complex type. This type was introduced in Exchange 2013 SP1.

<76> [Section 2.2.4.69](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **SIDType** complex type. This type was introduced in Exchange 2013 SP1.

<77> [Section 2.2.4.71](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **SmtpAddressType** complex type. This type was introduced in Exchange 2013 SP1.

<78> [Section 2.2.4.73](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **UniqueBodyType** complex type. This type was introduced in Exchange 2013 SP1.

<79> [Section 2.2.4.76](#): Exchange 2007 and Exchange 2010 do not include the **FirstDayOfWeek** element. The **FirstDayOfWeek** element was introduced in Exchange 2010 SP1.

<80> [Section 2.2.5](#): 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.

<81> [Section 2.2.5](#): Exchange 2007 and the initial release version of Exchange 2010 do not include the following enumeration values: recoverableitemsroot, recoverableitemsdeletions, recoverableitemversions, recoverableitemspurges, archiveroot, archivemsgfolderroot, archiveddeleteditems, archiverecoverableitemsroot, archiverecoverableitemsdeletions, archiverecoverableitemversions, and archiverecoverableitemspurges.

<82> [Section 2.2.5](#): The initial release version of Exchange 2007 does not use the **ExchangeVersionType** simple type.

<83> [Section 2.2.5](#): Exchange 2007 and Exchange 2010 do not use the **IconIndexType** simple type.

<84> [Section 2.2.5](#): Exchange 2007 and Exchange 2010 do not use the **PredictedMessageActionType** simple type.

<85> [Section 2.2.5](#): 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, ErrorInboxRulesValidationFailed, ErrorNewEventStreamConnectionOpened, ErrorMissedNotificationEvents, and ErrorApplyConversationActionFailed. Exchange 2010 SP1 does not include the ErrorAttachmentNestLevelLimitExceeded response code.

<86> [Section 2.2.5](#): 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**, **MSEExchangeCertificate**, **Notes**, **PhoneticFullName**, **PhoneticFirstName**, **PhoneticLastName**, **Photo**, and **UserSMIMECertificate**.

<87> [Section 2.2.5.3](#): 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.

<88> [Section 2.2.5.7](#): In Exchange 2016 CU7 and Exchange 2019, for a contact item, a **PersonalNotes** element ([\[MS-OXWSCONT\]](#) section 2.2.4.3) will be returned when **IdOnly** is set in request.

<89> [Section 2.2.5.10](#): Exchange 2007 and the initial release version of Exchange 2010 do not include the following enumeration values: recoverableitemsroot, recoverableitemsdeletions, recoverableitemsversions, recoverableitemspurges, archiveroot, archivermsgfolderroot, archiveddeleteditems, archiverecoverableitemsroot, archiverecoverableitemsdeletions, archiverecoverableitemsversions, and archiverecoverableitemspurges.

<90> [Section 2.2.5.10](#): Exchange 2007, Exchange 2010 and Exchange 2013 do not use the "recoverableitemsdiscoveryholds" value.

<91> [Section 2.2.5.10](#): Exchange 2007, Exchange 2010 and Exchange 2013 do not use the "archiveinbox" value

<92> [Section 2.2.5.10](#): Exchange 2007, Exchange 2010 and Exchange 2013 do not use the "archiverecoverableitemsdiscoveryholds" value.

<93> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "syncissues" value.

<94> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "localfailures" value.

<95> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "serverfailures" value.

<96> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "recipientcache" value.

<97> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "quickcontacts" value.

<98> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "conversationhistory" value.

<99> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "adminauditlogs" value.

<100> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "todosearch" value.

<101> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "mycontacts" value.

<102> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "directory" value.

<103> [Section 2.2.5.10](#): Exchange 2007 and Exchange 2010 do not use the "peopleconnect" value.

[<104> Section 2.2.5.10](#): Exchange 2007, Exchange 2010 and the initial release of Exchange 2013 do not use the "favorites" value. This value was introduced in Exchange 2013 SP1.

[<105> Section 2.2.5.10](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the "mecontact" value.

[<106> Section 2.2.5.10](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the "personmetadata" value.

[<107> Section 2.2.5.11](#): Exchange 2007 and Exchange 2010 do not use the "Sharing" value.

[<108> Section 2.2.5.14](#): The initial release version of Exchange 2007 does not support the **ExchangeVersionType** simple type.

[<109> Section 2.2.5.14](#): Exchange 2007 includes only the target schema that is identified by the **Exchange2007** enumeration value.

[<110> Section 2.2.5.14](#): Exchange 2007 does not include the target schema that is identified by the **Exchange2007\_SP1** enumeration value.

[<111> Section 2.2.5.14](#): Exchange 2007 and Exchange 2007 SP1 do not include the target schema that is identified by the **Exchange2010** enumeration value.

[<112> Section 2.2.5.14](#): Exchange 2007 and Exchange 2010 do not include the target schema that is identified by the **Exchange2010\_SP1** enumeration value.

[<113> Section 2.2.5.14](#): Exchange 2007 and Exchange 2010 do not include the target schema that is identified by the **Exchange2010\_SP2** enumeration value.

[<114> Section 2.2.5.14](#): Exchange 2007 and Exchange 2010 do not include the target schema that is identified by the **Exchange2013** enumeration value.

[<115> Section 2.2.5.14](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not include the target schema that is identified by the **Exchange2013\_SP1** enumeration value.

[<116> Section 2.2.5.14](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not include the target schema that is identified by the **Exchange2015** enumeration value,

[<117> Section 2.2.5.14](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not include the target schema that is identified by the **Exchange2016** enumeration value,

[<118> Section 2.2.5.16](#): Exchange 2007 and Exchange 2010 do not use the **IconIndexType** simple type.

[<119> Section 2.2.5.17](#): Exchange 2007 and Exchange 2010 do not use the **WorkingElsewhere** value.

[<120> Section 2.2.5.18](#): Exchange 2007 does not use the **Unknown** value.

[<121> Section 2.2.5.18](#): Exchange 2007 does not use the **OneOff** value.

[<122> Section 2.2.5.18](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the GroupMailbox enumeration value. This value was introduced in Exchange 2013 SP1.

[<123> Section 2.2.5.21](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not support the **PredictedActionReasonType** simple type. This type was introduced in Exchange 2013 SP1.

[<124> Section 2.2.5.22](#): Exchange 2007, Exchange 2010, Exchange 2016, and Exchange 2019 do not use the **PredictedMessageActionType** simple type. Exchange 2013 SP1 uses only the **None** value.

<125> [Section 2.2.5.24](#): 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**, **ErrorMissedNotificationEvents**, and **ErrorApplyConversationActionFailed**. Exchange 2010 SP1 does not include the **ErrorAttachmentNestLevelLimitExceeded** response code.

<126> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorArchiveFolderPathCreation** error code.

<127> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorArchiveMailboxNotEnabled** error code.

<128> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorArchiveMailboxServiceDiscoveryFailed** error code.

<129> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorAvailabilityConfigNotFound** error code.

<130> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010 and the initial release of Exchange 2013 do not use the **ErrorCalendarInvalidDayForWeeklyRecurrence** error code. This error code was introduced in Exchange 2013 SP1.

<131> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCannotArchiveCalendarContactTaskFolderException** error code.

<132> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCannotArchiveItemsInPublicFolders** error code.

<133> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCannotArchiveItemsInArchiveMailbox** error code.

<134> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCannotGetSourceFolderPath** error code.

<135> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCannotGetExternalEcpUrl** error code.

<136> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCannotSpecifySearchFolderAsSourceFolder** error code.

<137> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorChannelSubscriptionAlreadyExists** error code.

<138> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorChannelSubscriptionNotFound** error code.

<139> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorClientIntentInvalidStateDefinition** error code.

<140> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorClientIntentNotFound** error code.

<141> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorContentIndexingNotEnabled** error code.

<142> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorDeleteUnifiedMessagingPromptFailed** error code.

<143> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorExceededChannelSubscriptionCount** error code.

<144> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorExtensionNotFound** error code.

<145> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorImContactLimitReached** error code.

<146> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorImGroupDisplayNameAlreadyExists** error code.

<147> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorImGroupLimitReached** error code.

<148> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidChannelSubscriptionId** error code.

<149> [Section 2.2.5.24](#): IDs that are based on the Exchange 2007 server schema are not supported by Exchange 2007 SP1 or later.

<150> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidImContactId** error code.

<151> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidImDistributionGroupSntpAddress** error code.

<152> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidImGroupId** error code.

<153> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidItemForOperationArchiveItem** error code.

<154> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and the initial release Exchange 2013 do not use the **ErrorInvalidLikeRequest** error code. This error code was introduced in Exchange 2013 SP1.

<155> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidRetentionTagTypeMismatch** error code.

<156> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidRetentionTagInvisible** error code.

<157> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidRetentionTagIdGuid** error code.

<158> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidRetentionTagInheritance** error code.

<159> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorMailboxHoldNotFound** error code.

<160> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorMultiLegacyMailboxAccess** error code.

<161> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorNewChannelConnectionOpened** error code.

<162> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorPromptPublishingOperationFailed** error code.

<163> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorPublicFolderMailboxDiscoveryFailed** error code.

<164> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorPublicFolderOperationFailed** error code.

<165> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorPublicFolderSyncException** error code.

<166> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorTeamMailboxNotFound** error code.

<167> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorTeamMailboxNotLinkedToSharePoint** error code.

<168> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorTeamMailboxUrlValidationFailed** error code.

<169> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorTeamMailboxNotAuthorizedOwner** error code.

<170> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorTeamMailboxActiveToPendingDelete** error code.

<171> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorTeamMailboxFailedSendingNotifications** error code.

<172> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorTeamMailboxErrorUnknown** error code.

<173> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorTooManyObjectsOpened** error code.

<174> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorUnifiedMessagingReportDataNotFound** error code.

<175> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorUnifiedMessagingPromptNotFound** error code.

<176> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorUnableToRemoveImContact,FromGroup** error code.

<177> [Section 2.2.5.24](#): When an attempt is made to retrieve **MIME** content for an item other than a **PostItemType**, **MessageType**, or **CalendarItemType** object, in Exchange 2007, Exchange 2010, Exchange 2010 SP1 and Exchange 2010 SP2 **ErrorUnsupportedMimeConversion** will be returned. In Microsoft Exchange Server 2010 Service Pack 3 (SP3), Exchange 2013, Exchange 2016, and Exchange 2019 the operation succeeds and **ErrorUnsupportedMimeConversion** will not be returned.

<178> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorDuplicateLegacyDistinguishedName** error code.

<179> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidClientAccessTokenRequest** error code.

<180> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorNoSpeechDetected** error code.

<181> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorUMServerUnavailable** error code.

<182> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorRecipientNotFound** error code.

<183> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorRecognizerNotInstalled** error code.

<184> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorSpeechGrammarError** error code.

<185> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidManagementRoleHeader** error code.

<186> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorLocationServicesDisabled** error code.

<187> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorLocationServicesRequestTimedOut** error code.

<188> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorLocationServicesRequestFailed** error code.

<189> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorLocationServicesInvalidRequest** error code.

<190> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorWeatherServiceDisabled** error code.

<191> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorMailboxScopeNotAllowedWithoutQueryString** error code.

<192> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorArchiveMailboxSearchFailed** error code.

<193> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorGetRemoteArchiveFolderFailed** error code.

<194> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorFindRemoteArchiveFolderFailed** error code.

<195> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorGetRemoteArchiveItemFailed** error code.

<196> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorExportRemoteArchiveItemsFailed** error code.

<197> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorInvalidPhotoSize** error code.

<198> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorSearchQueryHasTooManyKeywords** error code.

<199> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorSearchTooManyMailboxes** error code.

<200> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorDiscoverySearchesDisabled** error code.

<201> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCalendarSeekToConditionNotSupported** error code.



<202> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCalendarIsGroupMailboxForAccept** error code.

<203> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCalendarIsGroupMailboxForDecline** error code.

<204> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCalendarIsGroupMailboxForTentative** error code.

<205> [Section 2.2.5.24](#): Exchange 2007 and Exchange 2010 do not use the **ErrorCalendarIsGroupMailboxForSuppressReadReceipt** error code.

<206> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the **ErrorOrganizationAccessBlocked** error code. This error code was introduced in Exchange 2013 SP1.

<207> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and initial release of Exchange 2013 do not use the **ErrorInvalidLicense** error code. This error code was introduced in Exchange 2013 SP1.

<208> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and the initial release Exchange 2013 do not use the **ErrorMessagePerFolderCountRecievedQuotaExceeded** error code. This error code was introduced in Exchange 2013 SP1.

<209> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidBulkActionType** error code.

<210> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidKeepNCount** error code.

<211> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidKeepNType** error code.

<212> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorNoOauthServerAvailableForRequest** error code.

<213> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInstantSearchSessionExpired** error code.

<214> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInstantSearchTimeout** error code.

<215> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInstantSearchFailed** error code.

<216> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorUnsupportedUserForExecuteSearch** error code.

<217> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorMissingExchangePrincipal** error code.

<218> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorUnexpectedUnifiedGroupsCount** error code.

<219> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorParsingXMLResponse** error code.

<220> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidFederationOrganizationIdentifier** error code

<221> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidSweepRule** error code.

<222> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidSweepRuleOperationType** error code.

<223> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorTargetDomainNotSupported** error code.

<224> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidInternetWebProxyOnLocalServer**

<225> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorNoSenderRestrictionsSettingsFoundInRequest** error code.

<226> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorDuplicateSenderRestrictionsInputFound** error code.

<227> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorSenderRestrictionsUpdateFailed** error code.

<228> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorMessageSubmissionBlocked** error code.

<229> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorExceededMessageLimit** error code.

<230> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorExceededMaxRecipientLimitBlock** error code.

<231> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorAccountSuspend** error code.

<232> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorExceededMaxRecipientLimit** error code.

<233> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorMessageBlocked** error code.

<234> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorAccountSuspendShowTierUpgrade** error code.

<235> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorExceededMessageLimitShowTierUpgrade** error code.

<236> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorExceededMaxRecipientLimitShowTierUpgrade** error code.

<237> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidLongitude** error code.

<238> [Section 2.2.5.24](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **ErrorInvalidLatitude** error code.

<239> [Section 2.2.5.26](#): 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: **item:StoreEntryId**, **contacts:Alias**, **contacts:DirectoryId**, **contacts:DirectReports**, **contacts:ManagerMailbox**, **contacts:MSEExchangeCertificate**, **contacts:Notes**, **contacts:PhoneticFullName**, **contacts:PhoneticFirstName**, **contacts:PhoneticLastName**, **contacts:Photo**, and **contacts:UserSMIMECertificate**.

[<240> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **folder:DistinguishedFolderId** value.

[<241> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **folder:PolicyTag** value.

[<242> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **folder:ArchiveTag** value.

[<243> Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **folder:ReplicaList** value.

[<244> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **ReminderNextTime** value.

[<245> Section 2.2.5.26](#): Exchange 2007 does not use the **Item:UniqueBody** value.

[<246> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:flag** value.

[<247> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:InstanceKey** value.

[<248> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:NormalizedBody** value.

[<249> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:EntityExtractionResult** value.

[<250> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:PolicyTag** value.

[<251> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:ArchiveTag** values.

[<252> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:RetentionDate** values.

[<253> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:Preview** value.

[<254> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:NextPredictedAction** value.

[<255> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:GroupingAction** value.

[<256> Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the **item:PredictedActionReasons** value. It was introduced in Exchange 2013 SP1.

[<257> Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and the initial release of Exchange 2013 do not use the **item:IsClutter** value. It was introduced in Exchange 2013 SP1.

[<258> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:RightsManagementLicenseData** value.

<259> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:BlockStatus** value.

<260> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:TextBody** value.

<261> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **item:IconIndex** value.

<262> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010, Exchange 2013 do not use the **item:MimeContentUTF8** value.

<263> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **item:Hashtags** value.

<264> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **item:Mentions** value.

<265> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **item:MentionedMe** value.

<266> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **item:PendingSocialActivityTagIds** value.

<267> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010 and the initial release of Exchange 2013 do not use the **message:ApprovalRequestData** value. This value was introduced in Exchange 2013 SP1.

<268> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010 and the initial release of Exchange 2013 do not use the **message:VotingInformation** value. This value was introduced in Exchange 2013 SP1.

<269> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010 and the initial release of Exchange 2013 do not use the **message:ReminderMessageData** value. This value was introduced in Exchange 2013 SP1.

<270> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **meeting:ProposedStart** value.

<271> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **meeting:ProposedEnd** value.

<272> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **meetingRequest:ChangeHighlights** value.

<273> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **calendar:StartWallClock** value.

<274> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **calendar:EndWallClock** value.

<275> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **calendar:StartTimeZoneId** value.

<276> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **calendar:EndTimeZoneId** value.

<277> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **calendar:EnhancedLocation** value.

<278> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **calendar:JoinOnlineMeetingUrl** value.

<279> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **calendar:OnlineMeetingSettings** value.

<280> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **calendar:IsOrganizer** value.

<281> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **contacts:AbchEmailAddresses** value.

<282> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **conversation>LastModifiedTime** value.

<283> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **conversation:InstanceKey** value.

<284> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **conversation:Preview** value.

<285> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **conversation:IconIndex** value.

<286> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **conversation:GlobalIconIndex** value.

<287> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **conversation:DraftItemIds** value.

<288> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **conversation:MentionedMe** value.

<289> [Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **conversation:GlobalMentionedMe** value.

<290> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:PersonaId** value.

<291> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:PersonaType** value.

<292> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:GivenName** value.

<293> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:CompanyName** value.

<294> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:SurName** value.

<295> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:DisplayName** value.

<296> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:EmailAddress** value.

<297> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:FileAs** value.

<298> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:HomeCity** value.

<299> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:CreationTime** value.

[<300> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:RelevanceScore** value.

[<301> Section 2.2.5.26](#): Exchange 2007, Exchange 2010, and Exchange 2013 do not use the **persona:RankingWeight** value.

[<302> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:WorkCity** value.

[<303> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:PersonaObjectStatus** value.

[<304> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:FileAsId** value.

[<305> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:DisplayNamePrefix** value.

[<306> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:YomiCompanyName** value.

[<307> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:YomiFirstName** value.

[<308> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:YomiFirstLast** value.

[<309> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Title** value.

[<310> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:EmailAddresses** value.

[<311> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:PhoneNumber** value.

[<312> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:ImAddress** value.

[<313> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:ImAddresses** value.

[<314> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:ImAddresses2** value.

[<315> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:ImAddresses3** value.

[<316> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:FolderIds** value.

[<317> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Attributions** value.

[<318> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:DisplayNames** value.

[<319> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Initials** value.

[<320> Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:FileAses** value.

<321> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:FileAsIds** value.

<322> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:DisplayNamePrefixes** value.

<323> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:GivenNames** value.

<324> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:MiddleNames** value.

<325> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Surnames** value.

<326> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Generations** value.

<327> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Nicknames** value.

<328> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:YomiCompanyNames** value.

<329> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:YomiFirstNames** value.

<330> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:YomiLastNames** value.

<331> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:BusinessPhoneNumbers** value.

<332> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:BusinessPhoneNumbers2** value.

<333> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:HomePhones** value.

<334> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:HomePhones2** value.

<335> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:MobilePhones** value.

<336> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:MobilePhones2** value.

<337> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:AssistantPhoneNumbers** value.

<338> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:CallbackPhones** value.

<339> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:CarPhones** value.

<340> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:HomeFaxes** value.

<341> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:OrganizationMainPhones** value.

<342> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:OtherFaxes** value.

<343> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:OtherTelephones** value.

<344> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:OtherPhones2** value.

<345> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Pagers** value.

<346> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:RadioPhones** value.

<347> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:TelexNumbers** value.

<348> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:WorkFaxes** value.

<349> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Emails1** value.

<350> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Emails2** value.

<351> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:Emails3** value.

<352> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:BusinessHomePages** value.

<353> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:School** value.

<354> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:PersonalHomePages** value.

<355> [Section 2.2.5.26](#): Exchange 2007 and Exchange 2010 do not use the **persona:OfficeLocations** value.

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## 9 Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as Major, Minor, or None.

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.
- A document revision that captures changes to protocol functionality.

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 **None** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the relevant technical content is identical to the last released version.

The changes made to this document are listed in the following table. For more information, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com).

Section	Description	Revision class
<a href="#">2.2.5</a> Simple Types	Added PredictedActionReasonType to Simple Type table.	Minor

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