[MS-OWEMXML]:

Office Web Extensibility Manifest Format

Revision Summary

Date	Revision History	Revision Class	Comments
1/20/2012	0.1	New	Released new document.
4/11/2012	0.1	None	No changes to the meaning, language, or formatting of the technical content.
7/16/2012	0.2	Minor	Clarified the meaning of the technical content.
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2/11/2013	1.0	None	No changes to the meaning, language, or formatting of the technical content.
7/30/2013	1.1	Minor	Clarified the meaning of the technical content.
11/18/2013	1.2	Minor	Clarified the meaning of the technical content.
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4/30/2014	2.1	Minor	Clarified the meaning of the technical content.
7/31/2014	2.2	Minor	Clarified the meaning of the technical content.
10/30/2014	2.2	None	No changes to the meaning, language, or formatting of the technical content.
9/4/2015	3.0	Major	Significantly changed the technical content.
7/15/2016	3.1	Minor	Clarified the meaning of the technical content.

Table of Contents

1 Introduction

The Office Web Extensibility Manifest Format specifies the schema for **Office Add-ins** manifest files.

Sections 1.7 and 2 of this specification are normative. All other sections and examples in this specification are informative.

1.1 Glossary

This document uses the following terms:

contact: A person, company, or other entity that is stored in a directory and is associated with one or more unique identifiers and attributes (2), such as an Internet message address or login name.

content add-in: An **Office Add-in** that appears within the content of a **document**.

culture name: A part of a language identification tagging system, as described in [RFC1766]. Culture names adhere to the format "<languagecode2>-<country/regioncode2>." If a two-letter language code is not available, a three-letter code that is derived from [ISO-639] is used.

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.

docked: A condition where a toolbar is attached to the docking area of an application window.

document: An object in a content database such as a file, folder, list (1), or site (2). Each object is identified by a URI.

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

globally unique identifier (GUID): A term used interchangeably with **universally unique identifier (UUID)** in Microsoft protocol technical documents (TDs). Interchanging the usage of these terms does not imply or require a specific algorithm or mechanism to generate the value. Specifically, the use of this term does not imply or require that the algorithms described in [RFC4122] or [C706] must be used for generating the **GUID**. See also **universally unique identifier (UUID)**.

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].

localization: The process of adapting an application or documentation, including text and non-text elements, to meet the language, cultural, and political expectations and requirements of a specific geographic country or region.

mail add-in: An **Office Add-in** that enhances an email or appointment item.

manifest: A file that stores metadata about an expansion pack, such as the name of the expansion pack, the files and resources that are included in the expansion pack, and the dependencies that it has on other files and components.

Office Add-in: A cloud-enabled app that integrates rich, scenario-focused content and services into an Office application or equivalent protocol client.

Office Web Extension: See **Office Add-in**.

task pane add-in: An **Office Add-in** that appears docked in a task pane.

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].

Uniform Resource Name (URN): A string that identifies a persistent Internet resource, as described in [RFC2141]. A URN can provide a mechanism for locating and retrieving a schema file that defines a specific namespace. Although a URL can provide similar functionality, a URN can refer to more than one URL and is not location-dependent.

universally unique identifier (UUID): A 128-bit value. UUIDs can be used for multiple purposes, from tagging objects with an extremely short lifetime, to reliably identifying very persistent objects in cross-process communication such as client and server interfaces, manager entry-point vectors, and RPC objects. UUIDs are highly likely to be unique. UUIDs are also known as **globally unique identifiers (GUIDs)** and these terms are used interchangeably in the Microsoft protocol technical documents (TDs). Interchanging the usage of these terms does not imply or require a specific algorithm or mechanism to generate the UUID. Specifically, the use of this term does not imply or require that the algorithms described in [RFC4122] or [C706] must be used for generating the UUID.

XML: The Extensible Markup Language, as described in [XML1.0].

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. We will assist you in finding the relevant information.

[MS-OXCMSG] Microsoft Corporation, "Message and Attachment Object Protocol".

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

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

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

1.2.2 Informative References

None.

1.3 Overview

The structures specified in this format provide an **XML** vocabulary for Office Add-ins **manifest** files. The elements and attributes specified in this format enable the implementer to provide the information required to enable implementations of the Office Add-ins Framework to activate Office Add-ins.

The XML vocabulary is ordered around a base definition of an Office Add-in with syntax extensions specific to each of three extension types (section 1.3.1, section 1.3.2 and section 1.3.3)

The following sections provide an overview of the functionality supported by these extensions.

1.3.1   Task Pane Apps

A **task pane add-in** provides the implementer with a Task Pane user interface with a fixed initial width that is **docked** in the task pane area. Additional elements enable the implementer to specify an extension source location **Uniform Resource Locator (URL)** by **culture names** for the extension's start page; to create Office Add-ins that extend **dictionary** functionality if implemented in the **document** host; and to indicate the capabilities requested by the extension.

1.3.2   Content Apps

A **content add-in** provides the implementer with a user interface with a specifiable initial height and width that appears within the content of the document. Additional elements enable the implementer to specify an extension source location Uniform Resource Locator (URL) by culture names for the source locations for the extension's start page; and to indicate the capabilities requested by the extension.

1.3.3   Mail Apps

A **mail add-in** for Office provides the implementer with a user interface that has specifiable initial height that is sensitive to the form factor being used by the user. Additional elements enable the implementer to specify content-based activation rules, an extension source location Uniform Resource Locator (URL) by culture names for the source locations for the extension's start page, and to indicate the capabilities requested by the extension.

1.4   Relationship to Protocols and Other Structures

None.

1.5   Applicability Statement

This document specifies the schema used by Office Add-ins manifest files. These files are not persisted into documents and as such are independent of application file formats. Manifest files are created by implementers and distributed through Office Add-ins catalogs.

1.6   Versioning and Localization

The Office Add-ins manifest file supports versioning and **localization** through explicit definition using pre-defined schema elements.

Versioning information is explicitly specified through the **Version** element in the **OfficeApp** type documented in section 2.2.21.

Localization information may be specified for any element that is defined with the **LocaleAwareSetting** type, documented in section 2.2.5 and throughout this document.

1.7   Vendor-Extensible Fields

None.

2 Structures

2.1 Global Elements

2.1.1 OfficeApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

OfficeApp is the root element in the manifest of an Office Add-in. Its **type** is the **OfficeApp** (section 2.2.21) complex type, which is an abstract type. The following complex types, inherited from the **OfficeApp** complex type, are used as the actual type for the **OfficeApp** root element:

- **ContentApp** complex type, as specified in section 2.2.24.

- **TaskPaneApp** complex type, as specified in section 2.2.29.

- **MailApp** complex type, as specified in section 2.2.32.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this element.

```
<xs:element name="OfficeApp" type="OfficeApp"/>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.1.2 OfficeApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

An **OfficeApp** (section 2.2.21) element that specifies an Office Add-in. Its **type** is the **OfficeApp** (section 2.2.58) complex type, which is an abstract type. The following complex types, inherited from the **OfficeApp** complex type, are used as the actual type for the **OfficeApp** root element:

- **ContentApp** complex type, as specified in section 2.2.34.

- **TaskPaneApp** complex type, as specified in section 2.2.67.

- **MailApp** complex type, as specified in section 2.2.55.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this element.

```
<xs:element name="OfficeApp" type="OfficeApp"/>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.1.3 VersionOverrides

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: MailApp

A VersionOverridesV1_0 element that specifies a collection of host types and their settings. Data defined in this element overrides the same data present in any parent portion of this manifest for hosts that support this extended manifest content.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this element.

```
<xs:element name="VersionOverrides" type="VersionOverridesV1_0"/>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2 Complex Types

2.2.1 LocaleOverride

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: LocaleAwareSetting

Defines the support for multiple locales for unbounded strings.

Attributes:

Locale: A **CultureName** attribute (section 2.3.7) that specifies the culture name of the locale for the override.

Value: A **NonEmptyString** attribute (section 2.3.1) that specifies the value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="NonEmptyString" use="required"/>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.2 ShortLocaleOverride

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ShortLocaleAwareSetting

Specifies the support for multiple locales for short strings.

Attributes:

Locale: A **CultureName** attribute (section 2.3.7) that specifies the culture name of the locale for the override.

Value: A **ShortString** attribute (section 2.3.2) that specifies the value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ShortLocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="ShortString" use="required"/>
```

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

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.3 LongLocaleOverride

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: LongLocaleAwareSetting

Specifies the support for multiple locales for long strings.

Attributes:

Locale: A **CultureName** attribute (section 2.3.7) that specifies the culture name of the locale for the override.

Value: A **LongString** attribute (section 2.3.3) that specifies the value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
    <xs:complexType name="LongLocaleOverride">
      <xs:attribute name="Locale" type="CultureName" use="required"/>
      <xs:attribute name="Value" type="LongString" use="required"/>
    </xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.4 URLLocaleOverride

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: URLLocaleAwareSetting

Specifies the support for multiple locales for URL strings.

Attributes:

Locale: A **CultureName** attribute (section 2.3.7) that specifies the culture name of the locale for the override.

Value: A **URL** attribute (section 2.3.4) that specifies the value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
    <xs:complexType name="URLLocaleOverride">
      <xs:attribute name="Locale" type="CultureName" use="required"/>
      <xs:attribute name="Value" type="URL" use="required"/>
    </xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.5 LocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Defines a setting that is unbounded, and that can be specified for a locale different than the default.

Child Elements:

Override: A **LocaleOverride** element (section 2.2.1) that provides a way to specify the value of this setting for an additional locale.

Attributes:

DefaultValue: A **NonEmptyString** attribute (section 2.3.1) that specifies the default value for this setting, expressed for the locale specified in the **DefaultLocale** element (section 2.2.21).

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="LocaleOverride" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="NonEmptyString" use="required"/>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.6 ShortLocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: OfficeApp, ContentApp, Dictionary, TaskPaneApp, MailApp

Specifies a **ShortString** (section 2.3.2) that is locale-aware, and that can be specified for a locale different than the default.

Child Elements:

Override: A **ShortLocaleOverride** element (section 2.2.2) that specifies the value of **ShortLocaleAwareSetting** for an additional locale.

Attributes:

DefaultValue: A **ShortString** attribute (section 2.3.2) that specifies the default value for this setting for the locale culture name that is specified in the **DefaultLocale** child element of **OfficeApp** (section 2.2.21).

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ShortLocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="ShortLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="ShortString" use="required"/>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.7 LongLocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies a **LongString** (section 2.3.3) that is locale-aware, and that can be specified for a locale different than the default.

Child Elements:

Override: A **LongLocaleOverride** element (section 2.2.3) that specifies the value of **LongLocaleAwareSetting** for an additional locale.

Attributes:

DefaultValue: A **LongString** attribute (section 2.3.3) that that specifies the default value for this setting for the locale culture name that is specified in the **DefaultLocale** child element of **OfficeApp** (section 2.2.21).

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LongLocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="LongLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="LongString" use="required"/>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.8 URLLocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ContentAppSettings, TaskPaneAppSettings, DesktopMailAppSettings, TabletMailAppSettings, PhoneMailAppSettings, OfficeApp, ContentApp, Dictionary, TaskPaneApp, MailApp

Specifies a Uniform Resource Locator (URL) setting that is locale-aware and that can be specified for a locale different than the default.

Child Elements:

Override: A **URLLocaleOverride** (section 2.2.4) element that specifies the value of **URLLocaleAwareSetting** for an additional locale.

Attributes:

DefaultValue: A **URL** (section 2.3.4) attribute that that specifies the default value for this setting for the locale culture name that is specified in the **DefaultLocale** child element of **OfficeApp** (section 2.2.21)

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="URLLocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="URLLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="URL" use="required"/>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.9 ContentAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ContentApp

This element defines the settings applicable to a content add-in.

Child Elements:

SourceLocation: A **URLLocaleAwareSetting** (section 2.2.8) element that specifies the list of source file locations for this content add-in.

RequestedWidth: An **ST_RequestedWidth** (section 2.3.9) element that specifies the desired width in pixels for the initial content placeholder. This value MUST be between 32 and 1000 pixels.

RequestedHeight: An **ST_RequestedHeight** (section 2.3.10) element that specifies the desired height in pixels for the initial content placeholder. This value MUST be between 21 and 1000 pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ContentAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="RequestedWidth" minOccurs="0" maxOccurs="1"
type="ver:ST_RequestedWidth"/>
    <xs:element name="RequestedHeight" minOccurs="0" maxOccurs="1"
type="ver:ST_RequestedHeight"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.10 TaskPaneAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: TaskPaneApp

Specifies the settings applicable to a task pane add-in.

Child Elements:

SourceLocation: A **URLLocaleAwareSetting** (section 2.2.8) element that specifies the list of source file locations for this task pane add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TaskPaneAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.11 DesktopMailAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: MailApp

Contains the settings applicable to a mail add-in when running on a non-tablet device.

Child Elements:

SourceLocation: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the source file location for this desktop mail add-in.

RequestedHeight: An **ST_RequestedHeight1** element (section 2.3.11) that specifies the desired height, in pixels, of the display area for this mail add-in when running on a desktop computer.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="DesktopMailAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"
type="ver:ST_RequestedHeight1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.12 TabletMailAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: MailApp

Contains the settings applicable to a mail add-in when running on a tablet computer.

Child Elements:

SourceLocation: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the source file location for this tablet mail add-in.

RequestedHeight: An **ST_RequestedHeight2** element (section 2.3.12) that specifies the desired height, in pixels, of the display area for this mail add-in when running on a tablet computer.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TabletMailAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"
type="ver:ST_RequestedHeight2"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.13 PhoneMailAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: MailApp

Contains the settings applicable to a mail add-in when running on a smartphone.

Child Elements:

SourceLocation: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the source file location for this phone mail add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="PhoneMailAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.14 Rule

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ItemIs, ItemHasKnownEntity, ItemHasRegularExpressionMatch, ItemHasAttachment, RuleCollection, MailApp

Specifies a base type for complex types that specify the conditions for the host application to activate the Mail app.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.15 ItemIs

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Defines a rule that evaluates to true if the selected item is of the specified type.

Attributes:

ItemType: An **ItemType** attribute (section 2.3.13) that specifies the item type to match.

ItemClass: A **NonEmptyString** attribute (section 2.3.1) that specifies the item message class ([MS-OXCMSG]) to match.

IncludeSubClasses: A **boolean** attribute ([XMLSCHEMA2] section 3.2.2) that specifies whether the rule evaluates to true if the item is of a subclass of the specified message class. An item is considered a subclass of the specified message class if its message class begins with the value in the **ItemClass** attribute, followed by a period (".") and additional text. The default value is false.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemIs">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="ItemType" type="ItemType" use="required"/>
      <xs:attribute name="ItemClass" type="NonEmptyString" use="optional"/>
      <xs:attribute name="IncludeSubClasses" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.16 ItemHasKnownEntity

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Defines a rule that evaluates to true if the item contains text of the specified entity type in its subject or body.

Attributes:

EntityType: A **KnownEntityType** attribute (section 2.3.14) that specifies the type of entity that MUST be found for the rule to evaluate to true.

RegExFilter: A **NonEmptyString** attribute (section 2.3.1) that specifies a regular expression to evaluate against the entity. If the evaluation results in a match, then the rule evaluates to true. If it does not result in a match, the rule evaluates to false.

FilterName: A **NonEmptyString** attribute (section 2.3.1) that specifies the name of the regular expression filter contained in the **RegExFilter** attribute.

IgnoreCase: A **boolean** attribute ([XMLSCHEMA2] section 3.2.2) that specifies whether case is ignored when evaluating the regular expression specified by the **RegExFilter** attribute.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

```
        <xs:extension base="Rule">
          <xs:attribute name="EntityType" type="KnownEntityType" use="required"/>
          <xs:attribute name="RegExFilter" type="NonEmptyString" use="optional"/>
          <xs:attribute name="FilterName" type="NonEmptyString" use="optional"/>
          <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.17 ItemHasRegularExpressionMatch

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Specifies a rule that evaluates to true if a match for the specified regular expression can be found in the specified property of an item.

Attributes:

RegExName: A **NonEmptyString** attribute (section 2.3.1) that specifies the name of the regular expression, so that it is subsequently possible to refer to it programmatically.

RegExValue: A **NonEmptyString** attribute (section 2.3.1) that specifies the regular expression to match.

PropertyName: A **PropertyName** attribute (section 2.3.15) that specifies the name of the property in which to look for the regular expression matches.

IgnoreCase: A **boolean** attribute ([XMLSCHEMA2] section 3.2.2) that, if true, specifies to ignore the case when applying the regular expression.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
    <xs:complexType name="ItemHasRegularExpressionMatch">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:attribute name="RegExName" type="NonEmptyString" use="required"/>
          <xs:attribute name="RegExValue" type="NonEmptyString" use="required"/>
          <xs:attribute name="PropertyName" type="PropertyName" use="required"/>
          <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.18 ItemHasAttachment

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Specifies a rule that evaluates to true if the item contains an attachment.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

```
        <xs:extension base="Rule"/>
    </xs:complexContent>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.19 RuleCollection

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Specifies a collection of rules and the logical operator to use when evaluating them.

Child Elements:

Rule: A **Rule** element (section 2.2.14) that specifies the list of rules that this collection contains.

Attributes:

Mode: A **LogicalOperator** attribute (section 2.3.16) that specifies the logical operator to use when evaluating this rule collection.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="RuleCollection">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:sequence>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="Mode" type="LogicalOperator" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.20 AppDomains

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies additional domains that the Office Add-in uses to load its pages.

Child Elements:

AppDomain: A **LongString** element (section 2.3.3) that specifies a domain that will be used to load one or more Office Add-in pages.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="AppDomains">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="AppDomain" type="LongString"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.21 OfficeApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ContentApp, TaskPaneApp, MailApp

Specifies an abstract type that defines an Office Add-in.

Child Elements:

Id: A **UUID** element (section 2.3.5) that specifies a unique identifier for the Office Add-in.

AlternateId: An **AlternateId** element (section 2.3.6) that specifies an alternate identifier for the Office Add-in.

Version: A **Version** element (section 2.3.8) that specifies the version of the Office Add-in.

ProviderName: A **ShortString** element (section 2.3.2) that specifies the name of the individual or company that developed the Office Add-in.

DefaultLocale: A **CultureName** element (section 2.3.7) that specifies the culture name of the locale used by default by strings in the Office Add-in manifest.

DisplayName: A **ShortLocaleAwareSetting** element (section 2.2.6) that specifies a short name for the Office Add-in.

Description: A **LongLocaleAwareSetting** element (section 2.2.7) that specifies a verbose description of the Office Add-in.

IconUrl: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in.

SupportUrl: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the URL of a page that provides support information for the Office Add-in.

AppDomains: An **AppDomains** element (section 2.2.20) that specifies additional domains that this Office Add-in will use to load pages.

VersionOverrides: An element that specifies elements for use in future versions of the Office Add-in platform. These elements MAY be overrides to previously defined elements or new elements.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
    <xs:complexType name="OfficeApp" abstract="true">
      <xs:sequence>
        <xs:element name="Id" type="UUID" minOccurs="1" maxOccurs="1"/>
        <xs:element name="AlternateId" type="AlternateId" minOccurs="0" maxOccurs="1"/>
        <xs:element name="Version" type="Version" minOccurs="1" maxOccurs="1"/>
        <xs:element name="ProviderName" type="ShortString" minOccurs="1" maxOccurs="1"/>
        <xs:element name="DefaultLocale" type="CultureName" minOccurs="1" maxOccurs="1"/>
        <xs:element name="DisplayName" type="ShortLocaleAwareSetting" minOccurs="1"
    maxOccurs="1"/>
        <xs:element name="Description" type="LongLocaleAwareSetting" minOccurs="1"
    maxOccurs="1"/>
        <xs:element name="IconUrl" type="URLLocaleAwareSetting" minOccurs="0" maxOccurs="1"/>
        <xs:element name="SupportUrl" type="URLLocaleAwareSetting" minOccurs="0" maxOccurs="1"/>
        <xs:element name="AppDomains" type="AppDomains" minOccurs="0" maxOccurs="1"/>
```

```
      <xs:element name="VersionOverrides"
xmlns="http://schemas.microsoft.com/office/versionoverrides/1.0" minOccurs="0"
maxOccurs="1"/>
    </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.22 ContentAppCapability

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: CT_Capabilities

Specifies the capabilities supported by a content add-in.

Attributes:

Name: A **ContentAppCapabilities** attribute (section 2.3.17) that specifies a capability supported by the content add-in type.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ContentAppCapability">
  <xs:attribute name="Name" type="ContentAppCapabilities" use="required"/>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.23 CT_Capabilities

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ContentApp

Specifies up to three capabilities supported by the content add-in.

Child Elements:

Capability: A **ContentAppCapability** element (section 2.2.22) that specifies a required capability.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="CT_Capabilities">
  <xs:sequence>
    <xs:element name="Capability" type="ContentAppCapability" minOccurs="1" maxOccurs="3"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.24 ContentApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Defines a content add-in that is placed in-line with document content to provide a richer web-based experience.

Child Elements:

Id: A **UUID** element (section 2.3.5) that specifies a unique identifier for the Office Add-in.

AlternateId: An **AlternateId** element (section 2.3.6) that specifies an alternate identifier for the Office Add-in.

Version: A **Version** element (section 2.3.8) that specifies the version of the Office Add-in.

ProviderName: A **ShortString** element (section 2.3.2) that specifies the name of the individual or company that developed the Office Add-in.

DefaultLocale: A **CultureName** element (section 2.3.7) that specifies the culture name of the locale used by default by strings in the Office Add-in manifest.

DisplayName: A **ShortLocaleAwareSetting** element (section 2.2.6) that specifies a short name for the Office Add-in.

Description: A **LongLocaleAwareSetting** element (section 2.2.7) that specifies a verbose description of the Office Add-in.

IconUrl: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in.

SupportUrl: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the URL of a page that provides support information for the Office Add-in.

AppDomains: An **AppDomains** element (section 2.2.20) that specifies additional domains that this Office Add-in will use to load pages.

VersionOverrides: An element that specifies elements for use in future versions of the Office Add-in platform. These elements MAY be overrides to previously defined elements or new elements.

Capabilities: A **CT_Capabilities** element (section 2.2.23) that specifies the capabilities that are required by this content add-in; the host application will look for at least one match before activating the app.

DefaultSettings: A **ContentAppSettings** element (section 2.2.9) that specifies control settings that are applied whenever this content add-in is used.

Permissions: An **ST_Permissions** element (section 2.3.18) that specifies the subset of the API that MAY be available to this content add-in at runtime. The application implementer permissions are based on a least privilege.

AllowSnapshot: A **boolean** element ([XMLSCHEMA2] section 3.2.2) that specifies whether a snapshot image of this content app is saved when the hosting document is saved.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ContentApp">
  <xs:complexContent>
    <xs:extension base="OfficeApp">
      <xs:sequence>
        <xs:element name="Capabilities" minOccurs="1" maxOccurs="1"
type="ver:CT_Capabilities"/>
        <xs:element name="DefaultSettings" type="ContentAppSettings" minOccurs="1"
maxOccurs="1"/>
```

```
            <xs:element name="Permissions" minOccurs="1" maxOccurs="1"
   type="ver:ST_Permissions"/>
            <xs:element name="AllowSnapshot" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
            <xs:any id="ContentAppSignature" minOccurs="0" maxOccurs="1"
   namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
         </xs:sequence>
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.25 Dictionary

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: TaskPaneApp

Defines settings for an app that implements additional dictionary support.

Child Elements:

TargetDialects: A **TargetDialects** element (section 2.2.26) that specifies the dialects supported by the dictionary.

QueryUri: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the URL of the **endpoint** for the dictionary query service.

CitationText: A **ShortLocaleAwareSetting** element (section 2.2.6) that specifies the citation boilerplate text for the dictionary.

DictionaryName: A **ShortLocaleAwareSetting** element (section 2.2.6) that specifies the name of this dictionary.

DictionaryHomePage: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the URL of the home page for the dictionary.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Dictionary">
  <xs:sequence>
    <xs:element name="TargetDialects" type="TargetDialects" minOccurs="1" maxOccurs="1"/>
    <xs:element name="QueryUri" type="URLLocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
    <xs:element name="CitationText" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="DictionaryName" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="DictionaryHomePage" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.26 TargetDialects

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: Dictionary

Specifies the dialect(s) supported by **Dictionary** (section 2.2.25).

Child Elements:

TargetDialect: A **CultureName** element (section 2.3.7) that specifies a dialect supported by this **Dictionary** (section 2.2.25), represented as a culture name string.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TargetDialects">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="TargetDialect" type="CultureName"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.27 TaskPaneAppCapability

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: CT_Capabilities1

Specifies the capabilities supported by a task pane add-in.

Attributes:

Name: A **TaskPaneAppCapabilities** attribute (section 2.3.19) that specifies a capability supported by the task pane add-in type.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TaskPaneAppCapability">
  <xs:attribute name="Name" type="TaskPaneAppCapabilities" use="required"/>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.28 CT_Capabilities1

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: TaskPaneApp

Specifies up to four capabilities supported by a task pane add-in

Child Elements:

Capability: A **TaskPaneAppCapability** element (section 2.2.27) that specifies a required capability.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="CT_Capabilities1">
  <xs:sequence>
    <xs:element name="Capability" type="TaskPaneAppCapability" minOccurs="1" maxOccurs="4"/>
```

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

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.29 TaskPaneApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Specifies an Office Add-in that is displayed in a task pane to enhance the viewing and authoring experience.

Child Elements:

Id: A **UUID** element (section 2.3.5) that specifies a unique identifier for the Office Add-in.

AlternateId: An **AlternateId** element (section 2.3.6) that specifies an alternate identifier for the Office Add-in.

Version: A **Version** element (section 2.3.8) that specifies the version of the Office Add-in.

ProviderName: A **ShortString** element (section 2.3.2) that specifies the name of the individual or company that developed the Office Add-in.

DefaultLocale: A **CultureName** element (section 2.3.7) that specifies the culture name of the locale used by default by strings in the Office Add-in manifest.

DisplayName: A **ShortLocaleAwareSetting** element (section 2.2.6) that specifies a short name for the Office Add-in.

Description: A **LongLocaleAwareSetting** element (section 2.2.7) that specifies a verbose description of the Office Add-in.

IconUrl: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in.

SupportUrl: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the URL of a page that provides support information for the Office Add-in.

AppDomains: An **AppDomains** element (section 2.2.20) that specifies additional domains that this Office Add-in will use to load pages.

VersionOverrides: An element that specifies elements for use in future versions of the Office Add-in platform. These elements MAY be overrides to previously defined elements or new elements.

Capabilities: A **CT_Capabilities1** element (section 2.2.28) that specifies the capabilities that are required by this task pane add-in; the host application will look for at least one match before activating the task pane add-in.

DefaultSettings: A **TaskPaneAppSettings** element (section 2.2.10) that specifies control settings that are applied whenever this task pane add-in is used.

Permissions: An **ST_Permissions1** element (section 2.3.20) that specifies the subset of the API that are available to this task pane app at runtime; the application implementer has permissions based on least privilege.

Dictionary: A **Dictionary** element (section 2.2.25) that specifies control settings that apply to a task pane add-in that implements additional dictionary support.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TaskPaneApp">
  <xs:complexContent>
    <xs:extension base="OfficeApp">
      <xs:sequence>
        <xs:element name="Capabilities" minOccurs="1" maxOccurs="1"
type="ver:CT_Capabilities1"/>
        <xs:element name="DefaultSettings" type="TaskPaneAppSettings" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="Permissions" minOccurs="1" maxOccurs="1"
type="ver:ST_Permissions1"/>
        <xs:element name="Dictionary" type="Dictionary" minOccurs="0" maxOccurs="1"/>
        <xs:any id="TaskPaneAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.30 MailAppCapability

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: CT_Capabilities2

Specifies the capabilities supported by a mail add-in.

Attributes:

Name: A **MailAppCapabilities** attribute (section 2.3.21) that specifies capability supported by the mail app.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MailAppCapability">
  <xs:attribute name="Name" type="MailAppCapabilities" use="required"/>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.31 CT_Capabilities2

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: MailApp

Specifies one capability supported by a mail add-in.

Child Elements:

Capability: A **MailAppCapability** element (section 2.2.30) that specifies a required capability.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="CT_Capabilities2">
  <xs:sequence>
    <xs:element name="Capability" type="MailAppCapability" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.32 MailApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Defines an app activated according to rules and displayed adjacent to the selected mail item to enhance the reading experience.

Child Elements:

Id: A **UUID** element (section 2.3.5) that specifies a unique identifier for the Office Add-in.

AlternateId: An **AlternateId** element (section 2.3.6) that specifies an alternate identifier for the Office Add-in.

Version: A **Version** element (section 2.3.8) that specifies the version of the Office Add-in.

ProviderName: A **ShortString** element (section 2.3.2) that specifies the name of the individual or company that developed the Office Add-in.

DefaultLocale: A **CultureName** element (section 2.3.7) that specifies the culture name of the locale used by default by strings in the Office Add-in manifest.

DisplayName: A **ShortLocaleAwareSetting** element (section 2.2.6) that specifies a short name for the Office Add-in.

Description: A **LongLocaleAwareSetting** element (section 2.2.7) that specifies a verbose description of the Office Add-in.

IconUrl: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in.

SupportUrl: A **URLLocaleAwareSetting** element (section 2.2.8) that specifies the URL of a page that provides support information for the Office Add-in.

AppDomains: An **AppDomains** element (section 2.2.20) that specifies additional domains that this Office Add-in will use to load pages.

VersionOverrides: An element that specifies elements for use in future versions of the Office Add-in platform. These elements MAY be overrides to previously defined elements or new elements.

Capabilities: A **CT_Capabilities2** element (section 2.2.31) that specifies the capabilities that are required by this mail add-in. The host application will look for at least one match before activating the app.

DesktopSettings: A **DesktopMailAppSettings** element (section 2.2.11) that specifies settings that apply when this mail add-in is used on a desktop computer.

TabletSettings: A **TabletMailAppSettings** element (section 2.2.12) that specifies settings that apply when this mail add-in is used on a tablet computer.

PhoneSettings: A **PhoneMailAppSettings** element (section 2.2.13) that specifies settings that apply when this mail add-in is used on a smartphone.

Permissions: An **ST_Permissions2** element (section 2.3.22) that specifies the permission level required by this mail add-in.

Rule: A **Rule** section element (2.2.14) that specifies the activation rule for this mail add-in.

DisableEntityHighlighting: A **boolean** ([XMLSCHEMA2] section 3.2.2) element that specifies whether entity highlighting is disabled for this mail app. If the value of this element is true, entity highlighting is disabled for this mail app.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MailApp">
  <xs:complexContent>
    <xs:extension base="OfficeApp">
      <xs:sequence>
        <xs:element name="Capabilities" minOccurs="1" maxOccurs="1"
type="ver:CT_Capabilities2"/>
        <xs:element name="DesktopSettings" type="DesktopMailAppSettings" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="TabletSettings" type="TabletMailAppSettings" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="PhoneSettings" type="PhoneMailAppSettings" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="Permissions" minOccurs="1" maxOccurs="1"
type="ver:ST_Permissions2"/>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="1"/>
        <xs:element name="DisableEntityHighlighting" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
        <xs:any id="MailAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.33 AppDomains

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Defines additional domains that the Office Add-in uses to load its pages.

Child Elements:

AppDomain: A **LongString** (section 2.3.29) element that specifies a domain that will be used to load one or more Office Add-in pages.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="AppDomains">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="AppDomain" type="LongString"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.34 ContentApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Defines a content add-in that is placed in-line with document content to provide a richer web-based experience.

Child Elements:

Id: A UUID element that specifies a unique identifier for the Office Add-in.

AlternateId: An AlternateId element that specifies an alternate identifier for the Office Add-in.

Version: A Version element that specifies the version of the Office Add-in.

ProviderName: A ShortString element that specifies the name of the individual or company that developed the Office Add-in.

DefaultLocale: A CultureName element that specifies the culture name of the locale used by default by strings in the Office Add-in manifest.

DisplayName: A ShortLocaleAwareSetting element that specifies a short name for the Office Add-in.

Description: A LongLocaleAwareSetting element that specifies a verbose description of the Office Add-in.

IconUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in.

HighResolutionIconUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in on high dpi screens.

SupportUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of a page that provides support information for the Office Add-in.

AppDomains: An AppDomains element that specifies additional domains that this Office Add-in will use to load pages.

Hosts: A Hosts element that specifies the client applications where the Office Add-in will activate.

Requirements: A Requirements element that specifies the minimum set of JavaScript API for Office requirements that the content add-in needs to activate.

DefaultSettings: A ContentAppSettings element that control settings that are applied whenever the content add-in is used.

Permissions: An ST_Permissions element that specifies the subset of the API that MAY be available to this content add-in at runtime; the implementer SHOULD request permissions based on "least privilege".

AllowSnapshot: A boolean ([XMLSCHEMA2] section 3.2.2) element that specifies whether a snapshot image of this content app is saved when the hosting document is saved.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ContentApp">
  <xs:complexContent>
    <xs:extension base="OfficeApp">
      <xs:sequence>
        <xs:element name="Requirements" type="Requirements" minOccurs="0" maxOccurs="1"/>
```

```
            <xs:element name="DefaultSettings" type="ContentAppSettings" minOccurs="1"
    maxOccurs="1"/>
            <xs:element name="Permissions" minOccurs="1" maxOccurs="1" type="ST_Permissions"/>
            <xs:element name="AllowSnapshot" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
            <xs:any id="ContentAppVersionOverrides" minOccurs="0" maxOccurs="1"
    namespace="http://schemas.microsoft.com/office/contentappversionoverrides"
    processContents="lax"/>
            <xs:any id="ContentAppSignature" minOccurs="0" maxOccurs="1"
    namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.35 ContentAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ContentApp

Defines the settings applicable to a content add-in.

Child Elements:

SourceLocation: A URLLocaleAwareSetting element that specifies the list of source file locations for this content add-in.

RequestedWidth: An ST_RequestedWidth element that specifies the desired width in pixels for the initial content placeholder. This value MUST be between 32 and 1000 pixels.

RequestedHeight: An ST_RequestedHeight element that specifies the desired height in pixels for the initial content placeholder. This value MUST be between 21 and 1000 pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
    <xs:complexType name="ContentAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
    maxOccurs="1"/>
        <xs:element name="RequestedWidth" minOccurs="0" maxOccurs="1" type="ST_RequestedWidth"/>
        <xs:element name="RequestedHeight" minOccurs="0" maxOccurs="1"
    type="ST RequestedHeight"/>
      </xs:sequence>
    </xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.36 Dictionary

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: TaskPaneApp

Defines settings for an app that implements additional dictionary support.

Child Elements:

TargetDialects: A TargetDialects element that specifies the dialects supported by the dictionary.

QueryUri: A URLLocaleAwareSetting element that specifies the URL of the endpoint for the dictionary query service.

CitationText: A ShortLocaleAwareSetting element that specifies the citation boilerplate text for the dictionary.

DictionaryName: A ShortLocaleAwareSetting element that specifies the name of this dictionary.

DictionaryHomePage: A URLLocaleAwareSetting element that specifies the URL of the home page for the dictionary.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Dictionary">
  <xs:sequence>
    <xs:element name="TargetDialects" type="TargetDialects" minOccurs="1" maxOccurs="1"/>
    <xs:element name="QueryUri" type="URLLocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
    <xs:element name="CitationText" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="DictionaryName" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="DictionaryHomePage" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.37 FormSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: MailApp

Defines the UX settings for the app, such as source location, points of integration and app pane size.

Child Elements:

Form: A FormType element that specifies UX settings for a specific app form type such as read or compose.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="FormSettings">
  <xs:sequence>
    <xs:element name="Form" type="FormType" minOccurs="1" maxOccurs="2"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.38 FormType

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemRead, ItemEdit, FormSettings

Defines a generic type for specifying app UX settings in mail add-in form types. Mail app form types include read and compose.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.39 Host

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: Hosts

Defines a Host element that specifies an individual Office application type where the app SHOULD activate, such as document, workbook, presentation, mailbox, project, or database.

Attributes:

Name: A ShortString attribute that specifies the Office application type where the app SHOULD activate, such as "Document", "Workbook", "Presentation", "Mailbox", "Project" or "Database".

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Host">
  <xs:attribute name="Name" type="ShortString" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.40 Hosts

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies the Office client Host type where an app for Office will be activated.

Child Elements:

Host: A Host element that specifies an individual Office application type where the app SHOULD activate, such as document, workbook, presentation, mailbox, project, or database.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Hosts">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="Host" type="Host"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.41 ItemEdit

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Specifies the UX setting for the mail add-in compose and edit form types.

Child Elements:

DesktopSettings: An ItemEditMailAppSettings element (section 2.2.11) that specifies settings that apply when this mail add-in is used on a desktop computer.

TabletSettings: An ItemEditMailAppSettings element (section 2.2.12) that specifies settings that apply when this mail add-in is used on a tablet computer.

PhoneSettings: An ItemEditMailAppSettings element (section 2.2.13) that specifies settings that apply when this mail add-in is used on a smartphone.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemEdit">
  <xs:complexContent>
    <xs:extension base="FormType">
      <xs:sequence>
        <xs:element name="DesktopSettings" type="ItemEditMailAppSettings" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="TabletSettings" type="ItemEditMailAppSettings" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="PhoneSettings" type="ItemEditMailAppSettings" minOccurs="0"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.42 ItemEditMailAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemEdit

Defines the form factor-aware settings applicable to mail apps when running in a compose form.

Child Elements:

SourceLocation: A URLLocaleAwareSetting element (section 2.2.8) that specifies the source file location for this mail add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemEditMailAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
```

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

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.43 ItemHasAttachment

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Defines a rule that evaluates to true if the item contains an attachment.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemHasAttachment">
  <xs:complexContent>
    <xs:extension base="Rule"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.44 ItemHasKnownEntity

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Defines a rule that evaluates to true if the item contains text of the specified entity type in its subject or body.

Attributes:

EntityType: A **KnownEntityType** (section 2.3.27) attribute that specifies the type of entity that MUST be found for the rule to evaluate to true.

RegExFilter: A **NonEmptyString** (section 2.3.30) attribute that specifies a regular expression to evaluate against the entity. If the evaluation results in a match, then the rule evaluates to true. If it does not result in a match, the rule evaluates to false.

FilterName: A **NonEmptyString** attribute that specifies the name of the regular expression filter contained in the **RegExFilter** attribute.

IgnoreCase: A boolean ([XMLSCHEMA2] section 3.2.2) attribute that specifies whether case is ignored when evaluating the regular expression specified by the **RegExFilter** attribute.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemHasKnownEntity">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="EntityType" type="KnownEntityType" use="required"/>
      <xs:attribute name="RegExFilter" type="NonEmptyString" use="optional"/>
      <xs:attribute name="FilterName" type="NonEmptyString" use="optional"/>
      <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.45 ItemHasRegularExpressionMatch

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Specifies a rule that evaluates to true if a match for the specified regular expression can be found in the specified property of an item.

Attributes:

RegExName: A NonEmptyString attribute that specifies the name of the regular expression, so that it is subsequently possible to refer to it programmatically.

RegExValue: A NonEmptyString attribute that specifies the regular expression to match.

PropertyName: A PropertyName attribute that specifies the name of the property in which to look for the regular expression matches.

IgnoreCase: A **boolean** ([XMLSCHEMA2] section 3.2.2) attribute that specifies whether to ignore the case when applying the regular expression.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemHasRegularExpressionMatch">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="RegExName" type="NonEmptyString" use="required"/>
      <xs:attribute name="RegExValue" type="NonEmptyString" use="required"/>
      <xs:attribute name="PropertyName" type="PropertyName" use="required"/>
      <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.46 ItemIs

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Defines a rule that evaluates to true if the selected item is of the specified type.

Attributes:

ItemType: An ItemType attribute that specifies the item type to match.

FormType: An ItemFormType attribute that specifies whether the app SHOULD appear in read or edit form for the item.

ItemClass: A NonEmptyString attribute that specifies the item message class ([MS-OXCMSG]) to match

IncludeSubClasses: A boolean ([XMLSCHEMA2] section 3.2.2) attribute that specifies whether the rule evaluates to true when the item is of a subclass of the specified message class. An item is considered a subclass of the specified message class if its message class begins with the value in the **ItemClass** attribute, followed by a period (".") and additional text. The default value is false

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemIs">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="ItemType" type="ItemType" use="required"/>
      <xs:attribute name="FormType" type="ItemFormType" use="required"/>
      <xs:attribute name="ItemClass" type="NonEmptyString" use="optional"/>
      <xs:attribute name="IncludeSubClasses" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.47 ItemReadDesktopMailAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemRead

Defines the form factor-aware settings applicable to a mail add-in when running on a desktop computer.

Child Elements:

SourceLocation: A URLLocaleAwareSetting element (section 2.2.8) that specifies the source file location for this desktop mail add-in.

RequestedHeight: An ST_RequestedHeight2.3.38 element (section 2.3.11) that specifies the desired height, in pixels, of the display area for this mail add-in when running on a desktop computer.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemReadDesktopMailAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"
type="ST_RequestedHeight1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.48 ItemRead

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Specifies the UX settings for the mail add-in read form type.

Child Elements:

DesktopSettings: An ItemReadDesktopMailAppSettings element (section 2.2.11) that specifies settings that apply when this mail add-in is used on a desktop computer.

TabletSettings: An ItemReadTabletMailAppSettings element (section 2.2.12) that specifies settings that apply when this mail add-in is used on a tablet computer.

PhoneSettings: An ItemReadPhoneMailAppSettings element (section 2.2.13) that specifies settings that apply when this mail add-in is used on a smartphone.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemRead">
  <xs:complexContent>
    <xs:extension base="FormType">
      <xs:sequence>
        <xs:element name="DesktopSettings" type="ItemReadDesktopMailAppSettings"
minOccurs="1" maxOccurs="1"/>
        <xs:element name="TabletSettings" type="ItemReadTabletMailAppSettings" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="PhoneSettings" type="ItemReadPhoneMailAppSettings" minOccurs="0"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.49 ItemReadPhoneMailAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemRead

Defines the form factor-aware settings applicable to a mail add-in when running on a smartphone.

Child Elements:

SourceLocation: A URLLocaleAwareSetting element (section 2.2.8) that specifies the source file location for this phone mail add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemReadPhoneMailAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.50 ItemReadTabletMailAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemRead

Defines the form factor-aware settings applicable to a mail add-in when running on a tablet computer.

Child Elements:

SourceLocation: A URLLocaleAwareSetting element (section 2.2.8) that specifies the source file location for this tablet mail add-in.

RequestedHeight: An ST_RequestedHeight2.3.39 element (section 2.3.12) that specifies the desired height, in pixels, of the display area for this mail add-in when running on a tablet computer.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemReadTabletMailAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"
type="ST RequestedHeight2"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.51 LocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Defines a setting that is unbounded, locale-aware, and that can be specified for a locale different than the default.

Child Elements:

Override: A LocaleOverride element that provides a way to specify the value of this setting for an additional locale.

Attributes:

DefaultValue: A NonEmptyString attribute that specifies the default value for this setting, expressed for the locale specified in the DefaultLocale element.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="LocaleOverride" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="NonEmptyString" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.52 LocaleOverride

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: LocaleAwareSetting

Defines the support for multiple locales for unbounded strings.

Attributes:

Locale: A [CultureName](#) attribute that specifies the culture name of the locale for this override.

Value: A [NonEmptyString](#) attribute that specifies the value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="NonEmptyString" use="required"/>
</xs:complexType>
```

See section [5.2](#) for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.53 LongLocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: [OfficeApp](#), [ContentApp](#), [TaskPaneApp](#), [MailApp](#)

Defines a setting that is a **LongString** (section [2.3.29](#)), locale-aware, and that can be specified for a locale different than the default.

Child Elements:

Override: A [LongLocaleOverride](#) element that specifies the value of this setting for an additional locale.

Attributes:

DefaultValue: A LongString attribute that specifies the default value for this setting, expressed for the locale specified in the DefaultLocale cchild element of **OfficeApp** element (section 2.2.58).

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LongLocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="LongLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="LongString" use="required"/>
</xs:complexType>
```

See section [5.2](#) for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.54 LongLocaleOverride

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: [LongLocaleAwareSetting](#)

Specifies the support for multiple locales for long strings.

Attributes:

Locale: A [CultureName](#) attribute that specifies the culture name of the locale for the override.

Value: A LongString attribute that specifies the value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LongLocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="LongString" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.55 MailApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Defines a mail add-in activated according to rules and displayed adjacent to the selected item to enhance the reading or editing experience.

Child Elements:

Id: A UUID element that specifies a unique identifier for the Office Add-in.

AlternateId: An AlternateId element that specifies an alternate identifier for the Office Add-in.

Version: A Version element that specifies the version of the Office Add-in.

ProviderName: A ShortString element that specifies the name of the individual or company that developed the Office Add-in.

DefaultLocale: A CultureName element that specifies the culture name of the locale used by default by strings in the Office Add-in manifest.

DisplayName: A ShortLocaleAwareSetting element that specifies a short name for the Office Add-in.

Description: A LongLocaleAwareSetting element that specifies a verbose description of the Office Add-in.

IconUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in.

HighResolutionIconUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in on high dpi screens.

SupportUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of a page that provides support information for the Office Add-in.

AppDomains: An AppDomains element that specifies additional domains that this Office Add-in will use to load pages.

Hosts: A Hosts element that specifies the client applications where the Office Add-in will activate.

Requirements: A MailAppRequirements element specifies the minimum named subsets of the JavaScript API for Office that the mail add-in requires to activate.

FormSettings: A FormSettings element that defines the UX settings for the app, such as source location, points of integration and app pane size.

Permissions: An ST_Permissions2.3.36 element that specifies the permission level required by a mail add-in.

Rule: A Rule element that specifies the list of rules that this collection contains for this mail add-in.

DisableEntityHighlighting: A **boolean** ([XMLSCHEMA2] section 3.2.2) element that, if set to true, specifies that entity highlighting is disabled for this mail add-in, and if set to false, enables entity highlighting

mailor:VersionOverrides: A VersionOverridesV1_0 element that specifies a collection of host types and their settings. Data defined in this element overrides the same data present in any parent portion of this manifest for hosts that support this extended manifest content.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MailApp">
  <xs:complexContent>
    <xs:extension base="OfficeApp">
      <xs:sequence>
        <xs:element name="Requirements" type="MailAppRequirements" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="FormSettings" type="FormSettings" minOccurs="1" maxOccurs="1"/>
        <xs:element name="Permissions" minOccurs="0" maxOccurs="1" type="ST_Permissions2"/>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="1"/>
        <xs:element name="DisableEntityHighlighting" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
        <xs:element ref="mailor:VersionOverrides" minOccurs="0" maxOccurs="1"/>
        <xs:any id="MailAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.56 MailAppRequirements

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: MailApp

Specifies the minimum named subsets of the JavaScript API for Office that the mail add-in requires to activate.

Child Elements:

Sets: A Sets element that specifies the list of required API sets of the JavaScript API for Office that the mail add-in requires to activate.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MailAppRequirements">
  <xs:sequence>
    <xs:element name="Sets" type="Sets" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.57 Methods

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: Requirements

Specifies the list of APIs of the JavaScript API for Office that the Office Add-in requires to activate.

Child Elements:

Method: A Requirement element that specifies an individual method from the JavaScript API for Office that the Office Add-in requires to activate.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Methods">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="Method" type="Requirement"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.58 OfficeApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ContentApp, TaskPaneApp, MailApp

Specifies an abstract type that defines an Office Add-in.

Child Elements:

Id: A UUID element that specifies a unique identifier for the Office Add-in.

AlternateId: An AlternateId element that specifies an alternate identifier for the Office Add-in.

Version: A Version element that specifies the version of the Office Add-in.

ProviderName: A ShortString element that specifies the name of the individual or company that developed the Office Add-in.

DefaultLocale: A CultureName element that specifies the culture name of the locale used by default by strings in the Office Add-in manifest.

DisplayName: A ShortLocaleAwareSetting element that specifies a short name for the Office Add-in.

Description: A LongLocaleAwareSetting element that specifies a verbose description of the Office Add-in.

IconUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in.

HighResolutionIconUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in on high dpi screens.

SupportUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of a page that provides support information for the Office Add-in.

AppDomains: An AppDomains element that specifies additional domains that this Office Add-in will use to load pages.

Hosts: A Hosts element that specifies the client applications where the Office Add-in will activate.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="OfficeApp" abstract="true">
  <xs:sequence>
    <xs:element name="Id" type="UUID" minOccurs="1" maxOccurs="1"/>
    <xs:element name="AlternateId" type="AlternateId" minOccurs="0" maxOccurs="1"/>
    <xs:element name="Version" type="Version" minOccurs="1" maxOccurs="1"/>
    <xs:element name="ProviderName" type="ShortString" minOccurs="1" maxOccurs="1"/>
    <xs:element name="DefaultLocale" type="CultureName" minOccurs="1" maxOccurs="1"/>
    <xs:element name="DisplayName" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="Description" type="LongLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="IconUrl" type="URLLocaleAwareSetting" minOccurs="0" maxOccurs="1"/>
    <xs:element name="HighResolutionIconUrl" type="URLLocaleAwareSetting" minOccurs="0"
maxOccurs="1"/>
    <xs:element name="SupportUrl" type="URLLocaleAwareSetting" minOccurs="0" maxOccurs="1"/>
    <xs:element name="AppDomains" type="AppDomains" minOccurs="0" maxOccurs="1"/>
    <xs:element name="Hosts" type="Hosts" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.59 Requirement

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: Methods

Specifies Requirement complex type used to select a method from the JavaScript API for Office that anOffice Add-in requires to activate.

Attributes:

Name: A LongString attribute that specifies a method from the JavaScript API for Office that an Office Add-in requires to activate.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Requirement">
  <xs:attribute name="Name" type="LongString" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.60 Requirements

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ContentApp, TaskPaneApp

Specifies the minimum named sets AND / OR methods from the JavaScript API for Office that the Office Add-in requires to activate.

Child Elements:

Sets: A Sets element that specifies sets of APIs required for this add-in to activate

Methods: A Methods element that specifies specific methods the add-in requires to activate

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Requirements">
  <xs:sequence>
    <xs:element name="Sets" type="Sets" minOccurs="0" maxOccurs="1"/>
    <xs:element name="Methods" type="Methods" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.61 RuleCollection

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Specifies a collection of rules and the logical operator to use when evaluating them.

Child Elements:

Rule: A **Rule** element (section 2.2.62) that specifies the list of rules that this collection contains.

Attributes:

Mode: A **LogicalOperator** attribute (section 2.3.28) that specifies the logical operator to use when evaluating this rule collection.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="RuleCollection">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:sequence>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="Mode" type="LogicalOperator" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.62 Rule

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemIs, ItemHasKnownEntity, ItemHasRegularExpressionMatch, ItemHasAttachment, RuleCollection, MailApp

Specifies a base type for complex types that specify the conditions for the host application to activate the Mail app.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.63 Sets

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: Requirements, MailAppRequirements

Specifies the list of API sets from the JavaScript API for Office that the Office Add-in requires to activate.

Child Elements:

Set: A VersionedRequirement element that specifies an individual set from the JavaScript API for Office that the Office Add-in requires to activate.

Attributes:

DefaultMinVersion: A ShortVersion attribute that specifies the default JavaScript API for Office version of each subsequent set element, unless otherwise specified.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Sets">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="Set" type="VersionedRequirement"/>
  </xs:sequence>
  <xs:attribute name="DefaultMinVersion" type="ShortVersion" default="1.1"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.64 ShortLocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: OfficeApp, ContentApp, Dictionary, TaskPaneApp, MailApp

Specifies a **ShortString** (section 2.3.32) setting that is locale-aware, and that can be specified for a locale different than the default.

Child Elements:

Override: A ShortLocaleOverride element that specifies the value of **ShortLocaleAwareSetting** for an additional locale.

Attributes:

DefaultValue: A ShortString attribute that specifies the default value for this setting for the locale culture name that is specified in the **DefaultLocale** child element of **OfficeApp** (section 2.2.58).

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ShortLocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="ShortLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="ShortString" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.65 ShortLocaleOverride

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ShortLocaleAwareSetting

Specifies the support for multiple locales for short strings.

Attributes:

Locale: A CultureName attribute that specifies the culture name of the locale for the override.

Value: A ShortString attribute that specifies the value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ShortLocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="ShortString" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.66 TargetDialects

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: Dictionary

Defines the dialect(s) supported by a **Dictionary** (section 2.2.36).

Child Elements:

TargetDialect: A CultureName element that specifies a dialect supported by this **Dictionary** (section 2.2.36), represented as a culture name string.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TargetDialects">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
```

```
        <xs:element name="TargetDialect" type="CultureName"/>
    </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.67 TaskPaneApp

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Specifies an Office Add-in that is displayed in a task pane to enhance the viewing and authoring experience.

Child Elements:

Id: A UUID element that specifies a unique identifier for the Office Add-in.

AlternateId: An AlternateId element that specifies an alternate identifier for the Office Add-in.

Version: A Version element that specifies the version of the Office Add-in.

ProviderName: A ShortString element that specifies the name of the individual or company that developed the Office Add-in.

DefaultLocale: A CultureName element that specifies the culture name of the locale used by default by strings in the Office Add-in manifest.

DisplayName: A ShortLocaleAwareSetting element that specifies a short name for the Office Add-in.

Description: A LongLocaleAwareSetting element that specifies a verbose description of the Office Add-in.

IconUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in.

HighResolutionIconUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of the image that is used to represent the Office Add-in on high dpi screens.

SupportUrl: A URLLocaleAwareSetting element that specifies the Uniform Resource Locator (URL) of a page that provides support information for the Office Add-in.

AppDomains: An AppDomains element that specifies additional domains that this Office Add-in will use to load pages.

Hosts: A Hosts element that specifies the client applications where the Office Add-in will activate.

Requirements: A **Requirements** element (section 2.2.60) that specifies the minimum set of JavaScript API for Office requirements that the Office Add-in needs to activate.

DefaultSettings: A **TaskPaneAppSettings** element (section 2.2.68) that specifies control settings that are applied whenever this task pane add-in is used.

Permissions: An **ST_Permissions1** element (section 2.3.20) that specifies the subset of the APIs that are available to this task pane app at runtime; the application developer has permissions based on least privilege.

Dictionary: A **Dictionary** element (section 2.2.36) that specifies control settings that apply to a task pane add-in that implements additional dictionary support.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TaskPaneApp">
  <xs:complexContent>
    <xs:extension base="OfficeApp">
      <xs:sequence>
        <xs:element name="Requirements" type="Requirements" minOccurs="0" maxOccurs="1"/>
        <xs:element name="DefaultSettings" type="TaskPaneAppSettings" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="Permissions" minOccurs="1" maxOccurs="1" type="ST_Permissions1"/>
        <xs:element name="Dictionary" type="Dictionary" minOccurs="0" maxOccurs="1"/>
        <xs:any id="TaskPaneAppVersionOverrides" minOccurs="0" maxOccurs="1"
namespace="http://schemas.microsoft.com/office/taskpaneappversionoverrides"
processContents="lax"/>
        <xs:any id="TaskPaneAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.68 TaskPaneAppSettings

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: TaskPaneApp

Specifies the settings applicable to a task pane add-in.

Child Elements:

SourceLocation: A URLLocaleAwareSetting element that specifies the list of source file locations for this task pane add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="TaskPaneAppSettings">
  <xs:sequence>
    <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.69 URLLocaleAwareSetting

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ContentAppSettings, TaskPaneAppSettings, ItemReadDesktopMailAppSettings, ItemReadTabletMailAppSettings, ItemReadPhoneMailAppSettings, ItemEditMailAppSettings, OfficeApp, ContentApp, Dictionary, TaskPaneApp, MailApp

Specifies a Uniform Resource Locator (URL) setting that is locale-aware and that can be specified for a locale different than the default.

Child Elements:

Override: A URLLocaleOverride element that specifies the value of **URLLocaleAwareSetting** for an additional locale.

Attributes:

DefaultValue: A URL attribute that specifies the default value for this setting for the locale culture name that is specified in the **DefaultLocale** child element of **OfficeApp** (section 2.2.58).

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="URLLocaleAwareSetting">
  <xs:sequence>
    <xs:element name="Override" type="URLLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultValue" type="URL" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.70 URLLocaleOverride

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: URLLocaleAwareSetting

Specifies the support for multiple locales for URL strings.

Attributes:

Locale: A CultureName attribute that specifies the culture name of the locale for the override.

Value: A URL attribute that specifies the value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="URLLocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="URL" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.71 VersionedRequirement

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: Sets

Contains a **VersionedRequirement** complex type used to specify an API set from the JavaScript API for Office that the Office Add-in needs to activate.

Attributes:

MinVersion: A ShortVersion attribute that specifies the minimum JavaScript API for Office library version that the specified set requires.

Name: A ShortString attribute that specifies an individual set from the JavaScript API for Office that the Office Add-in needs to activate.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="VersionedRequirement">
  <xs:attribute name="MinVersion" type="ShortVersion" use="optional"/>
  <xs:attribute name="Name" type="ShortString" use="required"/>
</xs:complexType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.72 Action

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: ShowTaskpane, ExecuteFunction, Button, MenuItem

Specifies an action to perform when a user interface extension point is invoked by the user.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.73 AppointmentAttendeeCommandSurface

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies the ways the app exposes functionality through the user interface of an appointment item where the user is an attendee. This is the surface that is targeted to, for example, add new commands to the appointment attendee view.

Child Elements:

OfficeTab: An OfficeTab element that specifies an existing tab on the host where commands will be added

CustomTab: A CustomTab element that specifies the creation of a brand new tab where commands will be added

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="AppointmentAttendeeCommandSurface">
  <xs:complexContent>
    <xs:extension base="CommandSurfaceExtensionPoint"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.74 AppointmentOrganizerCommandSurface

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies the ways the app exposes functionality through the user interface of an appointment item where the user is the organizer. This is the surface that is targeted to, for example, add new commands to the appointment attendee view.

Child Elements:

OfficeTab: An OfficeTab element that specifies an existing tab on the host where commands will be added

CustomTab: A CustomTab element that specifies the creation of a brand new tab where commands will be added

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="AppointmentOrganizerCommandSurface">
  <xs:complexContent>
    <xs:extension base="CommandSurfaceExtensionPoint"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.75 Button

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies a user interface extension point that displays as a simple button.

Child Elements:

Label: A ShortResourceReference element that specifies the label of the element

Supertip: A Supertip element that specifies the supertooltip of the element

Icon: An IconList element that specifies the set of icons to be used in this UI element.

Action: An Action element that specifies what happens when the button is clicked

Attributes:

id: A ShortString attribute that specifies the unique identifier of this control within the form factor.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Button">
  <xs:complexContent>
    <xs:extension base="UIControlWithIcon">
      <xs:sequence>
        <xs:element name="Action" type="Action" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.76 CommandSurfaceExtensionPoint

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: MessageReadCommandSurface, MessageComposeCommandSurface, AppointmentOrganizerCommandSurface, AppointmentAttendeeCommandSurface

Specifies locations in a host's user interface where the add-in exposes functionality

Child Elements:

OfficeTab: An OfficeTab element that specifies an existing tab on the host where commands will be added

CustomTab: A CustomTab element that specifies the creation of a brand new tab where commands will be added

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="CommandSurfaceExtensionPoint" abstract="true">
  <xs:complexContent>
    <xs:extension base="ExtensionPoint">
      <xs:sequence>
        <xs:element name="OfficeTab" type="OfficeTab" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="CustomTab" type="CustomTab" minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.77 CustomPane

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Extension Point that enables Add-Ins to be displayed as a button in a horizontal bar on message read, appointment organizer or appointment attendee views

Child Elements:

RequestedHeight: An ST_RequestedHeight element that specifies the desired height, in pixels, of this mail Add-In when running on a desktop computer, which is a value between 32 and 450.

SourceLocation: An URLResourceReference element that specifies the id of the resource containing the URL to be displayed

Rule: A Rule element that specifies the activation rule that should be evaluated for this extension point

DisableEntityHighlighting: A boolean element that specifies whether entity highlighting should be turned off for this mail Add-In.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="CustomPane">
  <xs:complexContent>
    <xs:extension base="ExtensionPoint">
      <xs:sequence>
        <xs:element name="RequestedHeight" minOccurs="0" maxOccurs="1"
type="ST RequestedHeight"/>
        <xs:element name="SourceLocation" type="bt:URLResourceReference" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="1"/>
        <xs:element name="DisableEntityHighlighting" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.78 CustomTab

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: CommandSurfaceExtensionPoint, MessageReadCommandSurface, MessageComposeCommandSurface, AppointmentOrganizerCommandSurface, AppointmentAttendeeCommandSurface

Specifies a new tab in the host where Add-In commands will be added to the user interface.

Child Elements:

Group: A Group element that specifies the group that UI elements will be added to.

Label: A ShortResourceReference element that specifies the text to be displayed as the laber on the tab

Attributes:

id: A ShortString attribute that specifies the identifier of the tab to which the child groups belong. If this tab is a CustomTab element, it is the identifier of the new tab. If it is an OfficeTab, it is the identifier of the preexisting Office UI tab in which to insert content.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="CustomTab">
  <xs:complexContent>
    <xs:extension base="Tab">
      <xs:sequence>
        <xs:element name="Label" type="bt:ShortResourceReference" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.79 Event

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies an event for which the app wishes to receive callbacks

Attributes:

Type: A [ShortString](#) attribute that specifies the event type to register a callback for.

FunctionExecution: An [EventFunctionExecutionType](#) attribute that specifies the event that is being listened to

FunctionName: A [LongString](#) attribute that specifies the name of the function to invoke

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Event">
  <xs:attribute name="Type" type="bt:ShortString" use="required"/>
  <xs:attribute name="FunctionExecution" type="EventFunctionExecutionType" use="required"/>
  <xs:attribute name="FunctionName" type="bt:LongString" use="required"/>
</xs:complexType>
```

See section [5.3](#) for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.80 ExecuteFunction

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies a function to execute when a user interface extension point is invoked by the user

Child Elements:

FunctionName: A [LongString](#) element that specifies the name of the function to call. This name must match a globally defined function name on the FunctionFile referenced on section [2.2.82](#)

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ExecuteFunction">
  <xs:complexContent>
    <xs:extension base="Action">
      <xs:sequence>
        <xs:element name="FunctionName" type="bt:LongString" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section [5.3](#) for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.81 ExtensionPoint

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: [CommandSurfaceExtensionPoint](#), [CustomPane](#), [FormFactor](#)

Specifies a location in a host where the app exposes functionality that can be extended

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.82 FormFactor

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: MailHost

Specifies the list of settings for the Add-In when activated on a given form factor of the host

Child Elements:

FunctionFile: An URLResourceReference element that specifies the source code file for the Add-In, containing functions it exposes via its extension points, to use when loaded in this form factor.

ExtensionPoint: An ExtensionPoint element that specifies the portion of the host where the Add-In registers itself to perform operations.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="FormFactor">
  <xs:sequence>
    <xs:element name="FunctionFile" type="bt:URLResourceReference" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="ExtensionPoint" type="ExtensionPoint" minOccurs="1"
maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.83 Group

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: Tab, OfficeTab, CustomTab

Specifies a grouping of user interface elements

Child Elements:

Label: A ShortResourceReference element that specifies the label of the group

Control: An UIControl element that specifies controls to be grouped inside this element

Attributes:

id: A ShortString attribute that specifies a unique identifier for the group

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Group">
  <xs:sequence>
    <xs:element name="Label" type="bt:ShortResourceReference" minOccurs="1" maxOccurs="1"/>
```

```
        <xs:element name="Control" type="UIControl" minOccurs="1" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="id" type="bt:ShortString" use="required"/>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.84 Host

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: MailHost, Hosts

Generic type for specifying Host node types under the Hosts element list

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.85 Hosts

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: VersionOverridesV1_0

Specifies the collections of hosts that the Add-In is extending

Child Elements:

Host: A Host element that specifies the Office client application that the Add-In is extending

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Hosts">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="Host" type="Host"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.86 IconList

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: UIControlWithIcon, UIControlWithOptionalIcon, Button, MenuItem, Menu

Specifies a set of icons for a control

Child Elements:

Image: An ImageResourceReference element that specifies the id of the resource that contains the image to be displayed

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="IconList">
  <xs:sequence>
    <xs:element name="Image" type="ImageResourceReference" minOccurs="1"
maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.87 ImageLocaleAwareSettingWithId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ImageResources

Defines an image resource that is locale-aware and that can be specified for a locale different than the default, and also has an identifier associated with it to uniquely identify it relative to other resources

Child Elements:

Override: An URLLocaleOverride element that specifies the value of this setting for an additional locale, other than the default.

Attributes:

id: An ImageReferenceId attribute that specifies a unique identifier for this setting that can be referenced from other locations to refer back to this element

DefaultValue: An URL attribute that specifies the location of the image

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ImageLocaleAwareSettingWithId">
  <xs:sequence>
    <xs:element name="Override" type="URLLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="ImageReferenceId" use="required"/>
  <xs:attribute name="DefaultValue" type="URL" use="required"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.88 ImageResourceReference

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: IconList

Specifies a reference to an image resource defined under the Resources element of the manifest.

Attributes:

size: An integer attribute that specifies the dimension of the image resource. Mandatory values are 16, 32, and 80. Currently supported optional values are 20, 24, 40, 48, and 64.

resid: A ReferenceId attribute that specifies the identifier of the resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ImageResourceReference">
  <xs:complexContent>
    <xs:extension base="ResourceReference">
      <xs:attribute name="size" type="xs:integer" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.89 ImageResources

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: Resources

Specifies a collection of image resources.

Child Elements:

Image: An ImageLocaleAwareSettingWithId element that specifies an image URL resource along with a unique identifier that can be used to refer to the resource from elsewhere in the app manifest.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ImageResources">
  <xs:sequence>
    <xs:element name="Image" type="ImageLocaleAwareSettingWithId" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.90 ItemHasAttachment

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Defines a rule that evaluates to true if the item contains an attachment

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemHasAttachment">
  <xs:complexContent>
    <xs:extension base="Rule"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.91 ItemHasKnownEntity

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Defines a rule that evaluates to true if the item contains text of the specified entity type in its subject or body

Attributes:

EntityType: A ShortString attribute that specifies the type of entity that must be found for the rule to evaluate to true. Currently supported values are: "MeetingSuggestion", "TaskSuggestion", "Address", "Url", "PhoneNumber", "EmailAddress", and "Contact".

RegExFilter: A NonEmptyString attribute that specifies a regular expression to run against this entity for activation.

FilterName: A NonEmptyString attribute that specifies the name of the regular expression filter, so that it is subsequently possible to refer to it by code.

IgnoreCase: A boolean attribute that specifies to ignore case when running the regular expression specified by the "RegExFilter" attribute.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemHasKnownEntity">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="EntityType" type="bt:ShortString" use="required"/>
      <xs:attribute name="RegExFilter" type="bt:NonEmptyString" use="optional"/>
      <xs:attribute name="FilterName" type="bt:NonEmptyString" use="optional"/>
      <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.92 ItemHasRegularExpressionMatch

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Defines a rule that evaluates to true if a match for the specified regular expression can be found in the specified property of the item.

Attributes:

RegExName: A NonEmptyString attribute that specifies the name of the regular expression, so that it is subsequently possible to refer to it by code.

RegExValue: A NonEmptyString attribute that specifies the regular expression to match.

PropertyName: A PropertyName attribute that specifies the name of the property in which to look for matches.

IgnoreCase: A boolean attribute that specifies to ignore the case when executing the regular expression.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemHasRegularExpressionMatch">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="RegExName" type="bt:NonEmptyString" use="required"/>
      <xs:attribute name="RegExValue" type="bt:NonEmptyString" use="required"/>
      <xs:attribute name="PropertyName" type="PropertyName" use="required"/>
      <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.93 ItemIs

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Defines a rule that evaluates to true if the selected item is of the specified type.

Attributes:

ItemType: A NonEmptyString attribute that specifies the item type to match. Currently supported values are: "Message", "AppointmentOrganizer", and "AppointmentAttendee".

ItemClass: A NonEmptyString attribute that specifies the item message class to match.

IncludeSubClasses: A boolean attribute that whether the rule should evaluate to true if the item is of a subclass of the specified message class; the default is false

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ItemIs">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:attribute name="ItemType" type="bt:NonEmptyString" use="required"/>
      <xs:attribute name="ItemClass" type="bt:NonEmptyString" use="optional"/>
      <xs:attribute name="IncludeSubClasses" type="xs:boolean" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.94 LongLocaleAwareSettingWithId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: LongStringResources

Defines a long string resource that is locale-aware and that can be specified for a locale different than the default, and also has an identifier associated with it to uniquely identify it relative to other resources.

Child Elements:

Override: A LongLocaleOverride element that specifies the value of this setting for an additional locale.

Attributes:

id: A LongReferenceId attribute that specifies a unique identifier for this setting that can be referenced from other locations to refer back to this element.

DefaultValue: A LongString attribute that specifies the default value for this setting.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LongLocaleAwareSettingWithId">
  <xs:sequence>
    <xs:element name="Override" type="LongLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="LongReferenceId" use="required"/>
  <xs:attribute name="DefaultValue" type="LongString" use="required"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.95 LongLocaleOverride

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: LongLocaleAwareSettingWithId

Defines the support for multiple locales for long strings

Attributes:

Locale: A CultureName attribute that specifies the culture name of the locale for this override.

Value: A LongString attribute that specifies the value of the setting the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LongLocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="LongString" use="required"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.96 LongResourceReference

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: Supertip, VersionOverridesV1_0

Specifies a reference to a longform string resource defined under the Resources element of the manifest.

Attributes:

resid: A ReferenceId attribute that specifies the identifier of the resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="LongResourceReference">
  <xs:complexContent>
    <xs:extension base="ResourceReference"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.97 LongStringResources

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: Resources

Specifies a collection of long string resources for the add-in.

Child Elements:

String: A LongLocaleAwareSettingWithId element that specifies a long form string resource for the app along with a unique identifier that can be used to refer to the resource from elsewhere in the app manifest.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.98 MailHost

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Defines how a Mail Add-In integrates with its host including its supported form factors, and settings for each.

Child Elements:

DesktopFormFactor: A FormFactor element that specifies the settings of the Add-In when running in a desktop version of the host.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MailHost">
  <xs:complexContent>
    <xs:extension base="Host">
      <xs:sequence>
```

```
            <xs:element name="DesktopFormFactor" type="FormFactor" minOccurs="0" maxOccurs="1"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.99 Menu

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies a user interface extension point that displays as a menu of actions.

Child Elements:

Label: A ShortResourceReference element that specifies the label of the element

Supertip: A Supertip element that specifies the supertooltip of the element

Icon: An IconList element that specifies the set of icons to be used in this UI element.

Items: A MenuItems element that specifies the items to be displayed on this menu.

Attributes:

id: A ShortString attribute that specifies the unique identifier of this control within the form factor.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Menu">
  <xs:complexContent>
    <xs:extension base="UIControlWithIcon">
      <xs:sequence>
        <xs:element name="Items" type="MenuItems" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.100   MenuItem

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: MenuItems

Specifies a user interface extension point that displays as an item in a menu control.

Child Elements:

Label: A ShortResourceReference element that specifies the label of the element

Supertip: A Supertip element that specifies the supertooltip of the element

Icon: An IconList element that specifies the list of icons to be use in this UI element.

Action: An Action element that specifies what happens when the item is triggered by the user.

Attributes:

id: A ShortString attribute that specifies the unique identifier of this control within the form factor.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MenuItem">
  <xs:complexContent>
    <xs:extension base="UIControlWithOptionalIcon">
      <xs:sequence>
        <xs:element name="Action" type="Action" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.101   MenuItems

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: Menu

Specifies a list of menu actions.

Child Elements:

Item: A MenuItem element that specifies a user interface element for this menu.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MenuItems">
  <xs:sequence>
    <xs:element name="Item" type="MenuItem" minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.102   MessageComposeCommandSurface

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies the ways the add-in exposes functionality through the user interface of a mail item's compose view.

Child Elements:

OfficeTab: An OfficeTab element that specifies an existing tab on the host where commands will be added

CustomTab: A CustomTab element that specifies the creation of a brand new tab where commands will be added

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MessageComposeCommandSurface">
  <xs:complexContent>
    <xs:extension base="CommandSurfaceExtensionPoint"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.103   MessageReadCommandSurface

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies the ways the Add-In exposes functionality through the user interface of a mail item's reading view.

Child Elements:

OfficeTab: An OfficeTab element that specifies an existing tab on the host where commands will be added

CustomTab: A CustomTab element that specifies the creation of a brand new tab where commands will be added

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="MessageReadCommandSurface">
  <xs:complexContent>
    <xs:extension base="CommandSurfaceExtensionPoint"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.104   Methods

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Specifies the list of required API methods of the Office.js API that the Add-In requires in order to activate. Default version is inherited by child elements unless overridden in the given child element.

Child Elements:

Method: A VersionedRequirement element that specifies the version of the requirement.

Attributes:

DefaultMinVersion: A ShortVersion attribute that specifies short version of the requirement.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Methods">
  <xs:sequence>
```

```
        <xs:element name="Method" type="VersionedRequirement" minOccurs="1"
  maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="DefaultMinVersion" type="ShortVersion" default="1.1"/>
  </xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.105 OfficeTab

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: CommandSurfaceExtensionPoint, MessageReadCommandSurface,
MessageComposeCommandSurface, AppointmentOrganizerCommandSurface,
AppointmentAttendeeCommandSurface

Specifies an extension to a pre-existing tab in the host where an app will customize the user interface.
Currently supported Tab id values for this element are "TabDefault".

Child Elements:

Group: A Group element that specifies the group that UI elements will be added to.

Attributes:

id: A ShortString attribute that specifies the identifier of the tab to which the child groups belong. If
this tab is a CustomTab element, it is the identifier of the new tab. If it is an OfficeTab, it is the
identifier of the preexisting Office UI tab in which to insert content.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this
complex type.

```
    <xs:complexType name="OfficeTab">
      <xs:complexContent>
        <xs:extension base="Tab"/>
      </xs:complexContent>
    </xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.106 Requirements

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: VersionOverridesV1_0

Specifies the minimum named subsets of the Office.js API that the Add-In requires in order to
activate.

Child Elements:

Sets: A Sets element that specifies the groups of APIs needed to activate the Add-In

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this
complex type.

```
    <xs:complexType name="Requirements">
      <xs:sequence>
```

```
        <xs:element name="Sets" type="Sets" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.107   ResourceReference

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ImageResourceReference, URLResourceReference, ShortResourceReference, LongResourceReference

Specifies a reference to a resource defined under the Resources element of the manifest.

Attributes:

resid: A ReferenceId attribute that specifies the identifier of the resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
    <xs:complexType name="ResourceReference" abstract="true">
      <xs:attribute name="resid" type="ReferenceId" use="required"/>
    </xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.108   Resources

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: VersionOverridesV1_0

Defines a collection of resources referenced by other elements of the manifest where resource references are supported.

Child Elements:

Images: An ImageResources element that specifies a collection of image resources for the Add-In

Urls: An URLResources element that specifies a collection of URL string resources for the Add-In

ShortStrings: A ShortStringResources element that specifies a collection of shortform string resources for the Add-In

LongStrings: A LongStringResources element that specifies a collection of longform string resources for the Add-In.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
    <xs:complexType name="Resources">
      <xs:sequence>
        <xs:element name="Images" type="ImageResources" minOccurs="0" maxOccurs="1"/>
        <xs:element name="Urls" type="URLResources" minOccurs="0" maxOccurs="1"/>
        <xs:element name="ShortStrings" type="ShortStringResources" minOccurs="0" maxOccurs="1"/>
        <xs:element name="LongStrings" type="LongStringResources" minOccurs="0" maxOccurs="1"/>
```

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

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.109   RuleCollection

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Defines a collection of rules and the logical operator to use when evaluating them.

Child Elements:

Rule: A Rule element that specifies the list of rules that this collection contains.

Attributes:

Mode: A LogicalOperator attribute that specifies the logical operator to use when evaluating this rule collection.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="RuleCollection">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:sequence>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="Mode" type="LogicalOperator" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.110   Rule

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: ItemIs, ItemHasKnownEntity, ItemHasRegularExpressionMatch, ItemHasAttachment, RuleCollection, CustomPane

An abstract type that specifies the conditions for the host application to activate this mail Add-In.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.111   Sets

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: Requirements

Specifies the list of required API sets of the Office.js API that the Add-In requires in order to activate. Default version is inherited by child elements unless overridden in the given child element

Child Elements:

Set: A VersionedRequirement element that specifies a collection of required APIs to activate the Add-In.

Attributes:

DefaultMinVersion: A ShortVersion attribute that specifies the minimum version of the APIs to activate the Add-In

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Sets">
  <xs:sequence>
    <xs:element name="Set" type="VersionedRequirement" minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="DefaultMinVersion" type="ShortVersion" default="1.1"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.112   ShortLocaleAwareSettingWithId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ShortStringResources

Defines a short string resource that is locale-aware and that can be specified for a locale different than the default, and also has an identifier associated with it to uniquely identify it relative to other resources.

Child Elements:

Override: A ShortLocaleOverride element that specifies the value of this setting for an additional locale.

Attributes:

id: A ShortReferenceId attribute that specifies a unique identifier for this setting that can be referenced from other locations to refer back to this element.

DefaultValue: A ShortString attribute that specifies the default value for this setting, expressed for the locale specified in the "DefaultLocale" element.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ShortLocaleAwareSettingWithId">
  <xs:sequence>
    <xs:element name="Override" type="ShortLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="ShortReferenceId" use="required"/>
  <xs:attribute name="DefaultValue" type="ShortString" use="required"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.113   ShortLocaleOverride

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ShortLocaleAwareSettingWithId

Defines the support for multiple locales for short strings.

Attributes:

Locale: A CultureName attribute that specifies the culture name of the locale for this override.

Value: A ShortString attribute that specifies value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ShortLocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="ShortString" use="required"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.114   ShortResourceReference

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: Supertip, UIControl, UIControlWithIcon, UIControlWithOptionalIcon, Button, MenuItem, Menu, Group, CustomTab

Specifies a reference to a shortform string resource defined under the Resources element of the manifest.

Attributes:

resid: A ReferenceId attribute that specifies the identifier of the resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ShortResourceReference">
  <xs:complexContent>
    <xs:extension base="ResourceReference"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.115   ShortStringResources

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: Resources

Specifies a collection of short string resources for the Add-In.

Child Elements:

String: A ShortLocaleAwareSettingWithId element that specifies a shortform string resource for the Add-In along with a unique identifier that can be used to refer to the resource from elsewhere in the manifest.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

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

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.116   ShowTaskpane

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Specifies an action that displays a URL when a user interface extension point is invoked by the user.

Child Elements:

SourceLocation: An URLResourceReference element that specifies [TYPE HERE]

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="ShowTaskpane">
  <xs:complexContent>
    <xs:extension base="Action">
      <xs:sequence>
        <xs:element name="SourceLocation" type="bt:URLResourceReference" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.117   Supertip

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: UIControl, UIControlWithIcon, UIControlWithOptionalIcon, Button, MenuItem, Menu

Specifies the informative text, called super tip, for this control.

Child Elements:

Title: A ShortResourceReference element that specifies the title of the super tip.

Description: A LongResourceReference element that specifies the description of the supertip, usually displayed on the body of the tip.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Supertip">
  <xs:sequence>
    <xs:element name="Title" type="bt:ShortResourceReference" minOccurs="1" maxOccurs="1"/>
    <xs:element name="Description" type="bt:LongResourceReference" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.118   Tab

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: OfficeTab, CustomTab

Specifies a tab in the host where an Add-In will customize the user interface.

Child Elements:

Group: A Group element that specifies the group that UI elements will be added to.

Attributes:

id: A ShortString attribute that specifies the identifier of the tab to which the child groups belong. If this tab is a CustomTab element, it is the identifier of the new tab. If it is an OfficeTab, it is the identifier of the preexisting Office UI tab in which to insert content.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="Tab" abstract="true">
  <xs:sequence>
    <xs:element name="Group" type="Group" minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="bt:ShortString" use="required"/>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.119   UIControl

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: UIControlWithIcon, UIControlWithOptionalIcon, Group

Specifies a user interface extension point of various kinds.

Child Elements:

Label: A ShortResourceReference element that specifies the label of the element

Supertip: A Supertip element that specifies the supertooltip of the element

Attributes:

id: A ShortString attribute that specifies the unique identifier of this control within the form factor.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="UIControl" abstract="true">
  <xs:sequence>
    <xs:element name="Label" type="bt:ShortResourceReference" minOccurs="1" maxOccurs="1"/>
    <xs:element name="Supertip" type="Supertip" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
  <xs:attribute name="id" type="bt:ShortString" use="required"/>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.120   UIControlWithIcon

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: Button, Menu

Specifies a user interface extension point of various kinds that contain an icon.

Child Elements:

Label: A ShortResourceReference element that specifies the label of the element

Supertip: A Supertip element that specifies the supertooltip of the element

Icon: An IconList element that specifies the set of icons to be used in this UI element.

Attributes:

id: A ShortString attribute that specifies the unique identifier of this control within the form factor.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="UIControlWithIcon" abstract="true">
  <xs:complexContent>
    <xs:extension base="UIControl">
      <xs:sequence>
        <xs:element name="Icon" type="bt:IconList" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.121   UIControlWithOptionalIcon

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: MenuItem

Specifies a user interface extension point of various kinds that may or may not contain an icon.

Child Elements:

Label: A ShortResourceReference element that specifies the label of the element

Supertip: A Supertip element that specifies the supertooltip of the element

Icon: An IconList element that specifies the list of icons to be use in this UI element.

Attributes:

id: A ShortString attribute that specifies the unique identifier of this control within the form factor.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="UIControlWithOptionalIcon" abstract="true">
  <xs:complexContent>
    <xs:extension base="UIControl">
      <xs:sequence>
        <xs:element name="Icon" type="bt:IconList" minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.122   URLLocaleAwareSettingWithId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: URLResources

Defines a URL resource that is locale-aware and that can be specified for a locale different than the default, and also has an identifier associated with it to uniquely identify it relative to other resources.

Child Elements:

Override: An URLLocaleOverride element that specifies a way to provide the value of this setting for an additional locale.

Attributes:

id: An URLReferenceId attribute that specifies specifies a unique identifier for this setting that can be referenced from other locations to refer back to this element.

DefaultValue: An URL attribute that specifies the default value for this setting, expressed for the locale specified in the "DefaultLocale" element.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="URLLocaleAwareSettingWithId">
  <xs:sequence>
    <xs:element name="Override" type="URLLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="URLReferenceId" use="required"/>
  <xs:attribute name="DefaultValue" type="URL" use="required"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.123 URLLocaleOverride

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ImageLocaleAwareSettingWithId, URLLocaleAwareSettingWithId

Defines the support for multiple locales for URL strings.

Attributes:

Locale: A CultureName attribute that specifies the culture name of the locale for this override.

Value: An URL attribute that specifies value of the setting expressed for the specified locale.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="URLLocaleOverride">
  <xs:attribute name="Locale" type="CultureName" use="required"/>
  <xs:attribute name="Value" type="URL" use="required"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.124 URLResourceReference

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ShowTaskpane, CustomPane, FormFactor

Specifies a reference to a URL resource defined under the Resources element of the manifest.

Attributes:

resid: A ReferenceId attribute that specifies the identifier of the resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="URLResourceReference">
  <xs:complexContent>
    <xs:extension base="ResourceReference"/>
  </xs:complexContent>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.125 URLResources

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: Resources

Specifies a collection of string resources for the Add-In.

Child Elements:

Url: An URLLocaleAwareSettingWithId element that specifies a URL resource for the Add-In along with a unique identifier that can be used to refer to the resource from elsewhere in the manifest.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="URLResources">
  <xs:sequence>
    <xs:element name="Url" type="URLLocaleAwareSettingWithId" minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.126   VersionedRequirement

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: Sets, Methods

Specifies a required functionality set and version.

Attributes:

MinVersion: A ShortVersion attribute that specifies the minimum version for this versioned requirement

Name: A ShortString attribute that specifies the name of the versioned requirement

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="VersionedRequirement">
  <xs:attribute name="MinVersion" type="ShortVersion" use="optional"/>
  <xs:attribute name="Name" type="ShortString" use="required"/>
</xs:complexType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.2.127   VersionOverridesV1_0

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: VersionOverrides, MailApp

Contains elements for the version 1.0 overrides of the MailApp Add-In manifest.

Child Elements:

Description: A LongResourceReference element that specifies a more verbose description of the Add-in. If present this value overrides the Description element in any parent portion of the manifest**.**

Requirements: A Requirements element that specifies the minimum set of Office.js requirements that the Add-In needs to activate.

Hosts: A Hosts element that specifies a collection of host types and their settings. Overrides the Hosts element in any parent portion of the manifest.

Resources: A Resources element that specifies a collection of resources referenced by other elements of the manifest where resource references are supported.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this complex type.

```
<xs:complexType name="VersionOverridesV1_0">
  <xs:sequence>
    <xs:element name="Description" type="bt:LongResourceReference" minOccurs="0"
maxOccurs="1"/>
    <xs:element name="Requirements" type="bt:Requirements" minOccurs="0" maxOccurs="1"/>
    <xs:element name="Hosts" type="Hosts" minOccurs="1" maxOccurs="1"/>
    <xs:element name="Resources" type="bt:Resources" minOccurs="0" maxOccurs="1"/>
    <xs:any id="VersionOverrides" minOccurs="0" maxOccurs="1"
namespace="http://schemas.microsoft.com/office/mailappversionoverrides/1.1"
processContents="lax"/>
  </xs:sequence>
</xs:complexType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3   Simple Types

2.3.1   NonEmptyString

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: LocaleOverride, LocaleAwareSetting, ItemIs, ItemHasKnownEntity, ItemHasRegularExpressionMatch

Specifies a string that MUST NOT be empty and can be unbounded.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

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

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.2   ShortString

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ShortLocaleOverride, ShortLocaleAwareSetting, OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies a string that MUST contain between 1 and 125 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ShortString">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="125"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.3 LongString

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: LongLocaleOverride, LongLocaleAwareSetting, AppDomains

Specifies a string that MUST contain between 1 and 250 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="LongString">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="250"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.4 URL

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: URLLocaleOverride, URLLocaleAwareSetting

Specifies a string that holds a Uniform Resource Locator (URL) and that MUST contain between 1 and 2048 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="URL">
  <xs:restriction base="xs:anyURI">
    <xs:minLength value="1"/>
    <xs:maxLength value="2048"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.5 UUID

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies the supported representations of a **Uniform Resource Name (URN)**, **universally unique identifier (UUID)**, or **GUID**.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

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

```
        <xs:pattern value="(urn:uuid:)?[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{4}-[0-9a-fA-F]{12}|\{[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{12}\}"/>
    </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.6 AlternateId

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies an alternate identifier for the Office Add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="AlternateId">
  <xs:restriction base="xs:string">
    <xs:pattern value=".{5,12}\\WA[0-9]{9}"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.7 CultureName

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: LocaleOverride, ShortLocaleOverride, LongLocaleOverride, URLLocaleOverride, OfficeApp, ContentApp, TargetDialects, TaskPaneApp, MailApp

Specifies the culture name of the language used in the string that it is qualifying.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="CultureName">
  <xs:restriction base="xs:string">
    <xs:pattern value="[a-zA-Z]{2,3}-[a-zA-Z0-9]{3,8}(-[a-zA-Z]{2,3})?|[a-zA-Z]{2,3}(-[a-zA-
Z]{2,3}(_tradnl|\.pseudo|-[a-zA-Z]{4,8})?)?"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.8 Version

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies the version format for an Office Add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="Version">
  <xs:restriction base="xs:string">
    <xs:pattern value="([0-9]{1,5})(\.[0-9]{1,5}){0,3}?"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.9   ST_RequestedWidth

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ContentAppSettings

Specifies the desired width in pixels for the initial content placeholder. This value MUST be between 32 and 1000 pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedWidth">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="32"/>
    <xs:maxInclusive value="1000"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.10 ST_RequestedHeight

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ContentAppSettings

Specifies the desired height in pixels for the initial content placeholder. This value MUST be between 32 and 1000 pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST RequestedHeight">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="32"/>
    <xs:maxInclusive value="1000"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.11 ST_RequestedHeight1

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: DesktopMailAppSettings

Specifies the desired height, in pixels, of the display area for a mail add-in when running on a non-tablet device.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedHeight1">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="32"/>
    <xs:maxInclusive value="450"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.12 ST_RequestedHeight2

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: TabletMailAppSettings

Specifies the desired height, in pixels, of the display area for a mail add-in when running on a tablet computer.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedHeight2">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="32"/>
    <xs:maxInclusive value="450"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.13 ItemType

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ItemIs

Specifies the different types of items that are used in rules specified by **ItemIs** elements (section 2.2.15).

Value	Meaning
Message	Specifies that the type of item is a mail message.
Appointment	Specifies that the type of item is an appointment.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ItemType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Message"/>
    <xs:enumeration value="Appointment"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.14 KnownEntityType

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ItemHasKnownEntity

Specifies the type of a known entity that can be recognized and extracted from the item's subject and body, or that can be used in rules specified by **ItemHasKnownEntity** elements (section 2.2.16).

Value	Meaning
MeetingSuggestion	Text that is identified by pattern recognition to reference an event or a meeting.
TaskSuggestion	Text that is identified by pattern recognition to contain an actionable phrase.
Address	Text that is identified by pattern recognition to reference a postal address in the United States.
Url	Text that is identified by pattern recognition to contain a file name or web address URL.
PhoneNumber	A series of digits that is identified by pattern recognition as a telephone number in North America.
EmailAddress	Text that is identified by pattern recognition to contain an SMTP format email address.
Contact	Text that is identified by pattern recognition to contain **contact** information.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="KnownEntityType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="MeetingSuggestion"/>
    <xs:enumeration value="TaskSuggestion"/>
    <xs:enumeration value="Address"/>
    <xs:enumeration value="Url"/>
    <xs:enumeration value="PhoneNumber"/>
    <xs:enumeration value="EmailAddress"/>
    <xs:enumeration value="Contact"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.15 PropertyName

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ItemHasRegularExpressionMatch

Specifies property names that can be used with the **ItemHasRegularExpressionMatch** rule (section 2.2.17).

Value	Meaning
Subject	Evaluates the regular expression against the item subject.
BodyAsPlaintext	Evaluates the regular expression against the item body in plain text.
BodyAsHTML	Evaluates the regular expression against the item body if the body is available in **HTML**.
SenderSMTPAddress	Evaluates the regular expression against the SMTP address of the item sender.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="PropertyName">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Subject"/>
    <xs:enumeration value="BodyAsPlaintext"/>
    <xs:enumeration value="BodyAsHTML"/>
    <xs:enumeration value="SenderSMTPAddress"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.16 LogicalOperator

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: RuleCollection

Specifies logical operators that allow combining multiple rules into a rule collection.

Value	Meaning
And	A binary logical operator that returns true if both operands are true; otherwise the operator returns false.
Or	A binary logical operator that returns true if one or both operands are true; otherwise the operator returns false.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="LogicalOperator">
  <xs:restriction base="xs:string">
    <xs:enumeration value="And"/>
    <xs:enumeration value="Or"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.17 ContentAppCapabilities

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ContentAppCapability

Specifies one or more capabilities that are used to determine the host applications for a content add-in.

Value	Meaning
Workbook	This capability defines workbook functionality.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ContentAppCapabilities">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Workbook"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.18 ST_Permissions

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: ContentApp

Specifies the permission level required by a content add-in.

Value	Meaning
Restricted	Permission that applies to every content add-in, enables activation, and allows use of the Settings object API.
ReadDocument	Includes the **Restricted** permission, and also enables the content add-in to get data from the document.
WriteDocument	Includes the **Restricted** permission, and also enables the content add-in to set data in the document.
ReadWriteDocument	Includes the **ReadDocument** and **WriteDocument** permissions, and also enables the content add-in to use all write methods, manage bindings, and subscribe to events.
ReadAllDocument	Includes the Restricted and ReadAllDocument permission, and also enables the content app to use the getFileAsync method to obtain a copy of the entire document.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

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

```
   <xs:restriction base="xs:string">
     <xs:enumeration value="Restricted"/>
     <xs:enumeration value="ReadDocument"/>
     <xs:enumeration value="WriteDocument"/>
     <xs:enumeration value="ReadWriteDocument"/>
     <xs:enumeration value="ReadAllDocument"/>
   </xs:restriction>
 </xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.19 TaskPaneAppCapabilities

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: TaskPaneAppCapability

Specifies one or more capabilities that are used to determine the host applications for a task pane add-in.

Value	Meaning
Document	This capability defines document functionality.
Project	This capability defines project functionality.
Workbook	This capability defines workbook functionality.
Presentation	This capability defines presentation functionality.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
   <xs:simpleType name="TaskPaneAppCapabilities">
     <xs:restriction base="xs:string">
       <xs:enumeration value="Document"/>
       <xs:enumeration value="Project"/>
       <xs:enumeration value="Workbook"/>
       <xs:enumeration value="Presentation"/>
     </xs:restriction>
   </xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.20 ST_Permissions1

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: TaskPaneApp

Specifies the permission level required by a task pane add-in.

Value	Meaning
Restricted	Permission that applies to all task pane apps, enables activation, and allows use of the **Settings** object API.

Value	Meaning
ReadDocument	Includes the **Restricted** permission, and also enables the task pane add-in to get data from the document.
ReadAllDocument	Includes the **Restricted** and **ReadDocument** permissions, and also enables the task pane add-in to obtain a copy of the entire document.
WriteDocument	Includes the **Restricted** permission, and also enables the task pane add-in to set data in the document.
ReadWriteDocument	Includes the **ReadDocument**, **WriteDocument**, **ReadAllDocument** permissions, and also enables the task pane add-in to use all write methods, manage bindings, and subscribe to events.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST Permissions1">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadDocument"/>
    <xs:enumeration value="ReadAllDocument"/>
    <xs:enumeration value="WriteDocument"/>
    <xs:enumeration value="ReadWriteDocument"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.21 MailAppCapabilities

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: MailAppCapability

Specifies a capability that is used to determine the host applications for a mail add-in.

Value	Meaning
Mailbox	This capability represents the ability to access a mailbox.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="MailAppCapabilities">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Mailbox"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.22 ST_Permissions2

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.0

Referenced by: MailApp

Specifies the permission level required by a mail add-in.

Value	Meaning
Restricted	Permission that applies to all mail apps, enables the **ItemIs** (section 2.2.15) and **ItemHasKnownEntity** (section 2.2.16) activation rules, enables use of the **Settings** object API and a subset of the JavaScript API for Office.
ReadItem	Applies to the selected item, includes the **Restricted** permission, and also enables the mail add-in to use all the well-known entities and regular expression activation rules to read all properties and to write custom properties. Also allows access to the identity token.
ReadWriteMailbox	Includes the **ReadItem** permission and also enables the mail add-in to read and write to all properties of any item in the user's mailbox.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_Permissions2">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadItem"/>
    <xs:enumeration value="ReadWriteMailbox"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.1 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.23 AlternateId

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies an alternate identifier for the Office Add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="AlternateId">
  <xs:restriction base="xs:string">
    <xs:pattern value=".{5,12}\\WA[0-9]{9}"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.24 CultureName

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: LocaleOverride, ShortLocaleOverride, LongLocaleOverride, URLLocaleOverride, OfficeApp, ContentApp, TargetDialects, TaskPaneApp, MailApp

Specifies the culture name of the language used in the string that it is qualifying.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="CultureName">
  <xs:restriction base="xs:string">
    <xs:pattern value="[a-zA-Z]{2,3}-[a-zA-Z0-9]{3,8}(-[a-zA-Z]{2,3})?|[a-zA-Z]{2,3}(-[a-zA-Z]{2,3}(_tradnl|\.pseudo|-[a-zA-Z]{4,8})?)?"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.25 ItemFormType

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemIs

Defines the form type that a mail add-in SHOULD be activated in.

Value	Meaning
Read	Specifies that the mail add-in SHOULD activate in read forms.
Edit	Specifies that the mail add-in SHOULD activate in compose forms.
ReadOrEdit	Specifies that the mail add-in SHOULD activate in read and compose forms.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ItemFormType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Read"/>
    <xs:enumeration value="Edit"/>
    <xs:enumeration value="ReadOrEdit"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.26 ItemType

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemIs

Specifies the different types of items that are used in rules specified by **ItemIs** elements (section 2.2.46).

Value	Meaning
Message	Specifies that the type of item is a mail message.
Appointment	Specifies that the type of item is an appointment.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ItemType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Message"/>
    <xs:enumeration value="Appointment"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.27 KnownEntityType

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemHasKnownEntity

Specifies the type of a known entity that can be recognized and extracted from the item's subject and body, or that can be used in rules specified by **ItemHasKnownEntity** elements (section 2.2.44).

Value	Meaning
MeetingSuggestion	Text that is identified by pattern recognition to reference an event or a meeting.
TaskSuggestion	Text that is identified by pattern recognition to contain an actionable phrase.
Address	Text that is identified by pattern recognition to reference a postal address in the United States.
Url	Text that is identified by pattern recognition to contain a file name or web address URL.
PhoneNumber	A series of digits that is identified by pattern recognition as a telephone number in North America.
EmailAddress	Text that is identified by pattern recognition to contain an SMTP format email address.
Contact	Text that is identified by pattern recognition to contain contact information.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="KnownEntityType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="MeetingSuggestion"/>
    <xs:enumeration value="TaskSuggestion"/>
    <xs:enumeration value="Address"/>
    <xs:enumeration value="Url"/>
    <xs:enumeration value="PhoneNumber"/>
    <xs:enumeration value="EmailAddress"/>
```

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

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.28 LogicalOperator

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: RuleCollection

Specifies logical operators that allow combining multiple rules into a rule collection.

Value	Meaning
And	A binary logical operator that returns true if both operands are true; otherwise the operator returns false.
Or	A binary logical operator that returns true if one or both operands are true; otherwise the operator returns false.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="LogicalOperator">
  <xs:restriction base="xs:string">
    <xs:enumeration value="And"/>
    <xs:enumeration value="Or"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.29 LongString

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: LongLocaleOverride, LongLocaleAwareSetting, AppDomains, Requirement

Specifies a string that MUST contain between 1 and 250 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="LongString">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="250"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.30 NonEmptyString

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: LocaleOverride, LocaleAwareSetting, ItemIs, ItemHasKnownEntity, ItemHasRegularExpressionMatch

Specifies a string that MUST NOT be empty and can be unbounded.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

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

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.31 PropertyName

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemHasRegularExpressionMatch

Specifies property names that can be used with the **ItemHasRegularExpressionMatch** rule (section 2.2.45).

Value	Meaning
Subject	Evaluates the regular expression against the item subject.
BodyAsPlaintext	Evaluates the regular expression against the item body in plain text.
BodyAsHTML	Evaluates the regular expression against the item body if the body is available in HTML.
SenderSMTPAddress	Evaluates the regular expression against the SMTP address of the item sender.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="PropertyName">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Subject"/>
    <xs:enumeration value="BodyAsPlaintext"/>
    <xs:enumeration value="BodyAsHTML"/>
    <xs:enumeration value="SenderSMTPAddress"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.32 ShortString

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ShortLocaleOverride, ShortLocaleAwareSetting, OfficeApp, Host, VersionedRequirement, ContentApp, TaskPaneApp, MailApp

Specifies a string that MUST contain between 1 and 125 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ShortString">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="125"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.33 ShortVersion

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: Sets, VersionedRequirement

Specifies the format for the **ShortVersion** type.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ShortVersion">
  <xs:restriction base="xs:string">
    <xs:pattern value="([0-9]{1,5})\.([0-9]{1,5})"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.34 ST_Permissions

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ContentApp

Specifies the permission level required by a content add-in.

Value	Meaning
Restricted	Permission that applies to every content add-in, enables activation, and allows use of the Settings object API.
ReadDocument	Includes the **Restricted** permission, and also enables the content add-in to get data from the document.
WriteDocument	Includes the **Restricted** permission, and also enables the content add-in to set data in the document.
ReadWriteDocument	Includes the **ReadDocument** and **WriteDocument** permissions, and also enables the content add-in to use all write methods, manage bindings, and subscribe to events.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_Permissions">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadDocument"/>
    <xs:enumeration value="WriteDocument"/>
    <xs:enumeration value="ReadWriteDocument"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.35 ST_Permissions1

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: TaskPaneApp

Specifies the permission level required by a task pane add-in.

Value	Meaning
Restricted	Permission that applies to all task pane apps: enables activation, and allows use of the **Settings** object API.
ReadDocument	Includes the **Restricted** permission, and also enables the task pane add-in to get data from the document.
ReadAllDocument	Includes the **Restricted** and **ReadDocument** permissions, and also enables the task pane add-in to obtain a copy of the entire document.
WriteDocument	Includes the **Restricted** permission, and also enables the task pane add-in to set data in the document.
ReadWriteDocument	Includes the **ReadDocument**, **WriteDocument**, **ReadAllDocument** permissions, and also enables the task pane add-in to use all write methods, manage bindings, and subscribe to events.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_Permissions1">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadDocument"/>
    <xs:enumeration value="ReadAllDocument"/>
    <xs:enumeration value="WriteDocument"/>
    <xs:enumeration value="ReadWriteDocument"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.36 ST_Permissions2

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: MailApp

Specifies the permission level required by a mail add-in.

Value	Meaning
Restricted	Permission that applies to all mail apps: enables the **ItemIs** (section 2.2.46) and **ItemHasKnownEntity** (section 2.2.44) activation rules, and enables use of the **Settings** object API and a subset of the JavaScript API for Office.
ReadItem	Applies to the selected item, includes the **Restricted** permission, and also enables the mail add-in to use all the well-known entities and regular expression activation rules to read all properties and to write custom properties. Also allows access to the identity token.
ReadWriteItem	Applies to the selected item and includes the **ReadItem** permission and enables the mail add-in to use all the well-known entities and regular expression activation rules, to read all properties, to write properties in compose forms, and to write custom properties.
ReadWriteMailbox	Includes the **ReadWriteItem** permission and also enables the mail add-in to read and write to all properties of any item in the user's mailbox.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_Permissions2">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadItem"/>
    <xs:enumeration value="ReadWriteItem"/>
    <xs:enumeration value="ReadWriteMailbox"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.37 ST_RequestedHeight

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ContentAppSettings

Specifies the desired height in pixels for the initial content placeholder. This value MUST be between 32 and 1000 pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedHeight">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="32"/>
    <xs:maxInclusive value="1000"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.38 ST_RequestedHeight1

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemReadDesktopMailAppSettings

Specifies the desired height, in pixels, of the display area for a mail add-in when running on a non-tablet device. This value MUST be between 32 and 450 pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedHeight1">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="32"/>
    <xs:maxInclusive value="450"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.39 ST_RequestedHeight2

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ItemReadTabletMailAppSettings

Specifies the desired height, in pixels, of the display area for a mail add-in when running on a tablet computer. This value MUST be between 32 and 450 pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedHeight2">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="32"/>
    <xs:maxInclusive value="450"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.40 ST_RequestedWidth

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: ContentAppSettings

Specifies the desired width in pixels for the initial content placeholder. This value MUST be between 32 and 1000 pixels.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedWidth">
  <xs:restriction base="xs:integer">
```

```
      <xs:minInclusive value="32"/>
      <xs:maxInclusive value="1000"/>
   </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.41 URL

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: URLLocaleOverride, URLLocaleAwareSetting

Specifies a string that holds a Uniform Resource Locator (URL) and that MUST contain between 1 and 2048 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="URL">
   <xs:restriction base="xs:anyURI">
      <xs:minLength value="1"/>
      <xs:maxLength value="2048"/>
   </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.42 UUID

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies the supported representations of a Uniform Resource Name (URN), universally unique identifier (UUID), or GUID.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="UUID">
   <xs:restriction base="xs:string">
      <xs:pattern value="(urn:uuid:)?[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{4}-[0-9a-fA-F]{12}|\{[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{12}\}"/>
   </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.43 Version

Target namespace: http://schemas.microsoft.com/office/appforoffice/1.1

Referenced by: OfficeApp, ContentApp, TaskPaneApp, MailApp

Specifies the version format for an Office Add-in.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="Version">
  <xs:restriction base="xs:string">
    <xs:pattern value="([0-9]{1,5})(\.[0-9]{1,5}){0,3}?"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.2 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.44 AlternateId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Defines an alternate ID type as defined by the Office Store

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="AlternateId">
  <xs:restriction base="xs:string">
    <xs:pattern value=".{5,12}\\WA[0-9]{9}"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.45 CultureName

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ShortLocaleOverride, LongLocaleOverride, URLLocaleOverride

Represents the culture name of the language used in the string that it is qualifying.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="CultureName">
  <xs:restriction base="xs:string">
    <xs:pattern value="[a-zA-Z]{2,3}-[a-zA-Z0-9]{3,8}(-[a-zA-Z]{2,3})?|[a-zA-Z]{2,3}(-[a-zA-
Z]{2,3}(_tradnl|\.pseudo|-[a-zA-Z]{4,8})?)?"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.46 EventFunctionExecutionType

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: Event

Defines acceptable values for the **FunctionExecution** attribute for event extension points.

Value	Meaning
synchronous	This setting will block the user action that raised the event and execute the function. Developer's code can decide whether the user action should proceed or be cancelled.
asynchronous	This setting will not block the action that raised the event and the function will be executed asynchronously.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="EventFunctionExecutionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="synchronous"/>
    <xs:enumeration value="asynchronous"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.47 ImageReferenceId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ImageLocaleAwareSettingWithId

Defines a subclass of **ReferenceId** that identifies an image resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ImageReferenceId">
  <xs:restriction base="ReferenceId"/>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.48 LogicalOperator

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: RuleCollection

Defines logical operators that allow combining multiple rules into a rule collection.

Value	Meaning
And	The binary logical operator that returns true if both operands are true, and returns false otherwise.
Or	The binary logical operator that returns true if one or both operands are true, and returns false otherwise.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="LogicalOperator">
  <xs:restriction base="xs:string">
    <xs:enumeration value="And"/>
    <xs:enumeration value="Or"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.49 LongReferenceId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: LongLocaleAwareSettingWithId

Defines a subclass of **ReferenceId** that identifies a long string resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="LongReferenceId">
  <xs:restriction base="ReferenceId"/>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.50 LongString

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: LongLocaleOverride, LongLocaleAwareSettingWithId, Event, ExecuteFunction

Defines a string that must contain between 1 and 250 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="LongString">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="250"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.51 NonEmptyString

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ItemIs, ItemHasKnownEntity, ItemHasRegularExpressionMatch

Defines a string that cannot be empty and can be unbounded.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

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

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.52 PropertyName

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: ItemHasRegularExpressionMatch

Defines property names that can be used with the "ItemHasRegularExpressionMatch" rule.

Value	Meaning
Subject	Evaluates the regular expression against the item subject.
BodyAsPlaintext	Evaluates the regular expression against the item body in plain text.
BodyAsHTML	Evaluates the regular expression against the item body if the body is available in HTML.
SenderSMTPAddress	Evaluates the regular expression against the SMTP address of the item sender.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="PropertyName">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Subject"/>
    <xs:enumeration value="BodyAsPlaintext"/>
    <xs:enumeration value="BodyAsHTML"/>
    <xs:enumeration value="SenderSMTPAddress"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.53 ReferenceId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ImageLocaleAwareSettingWithId, URLLocaleAwareSettingWithId, ShortLocaleAwareSettingWithId, LongLocaleAwareSettingWithId, ResourceReference, ImageResourceReference, URLResourceReference, ShortResourceReference, LongResourceReference

Defines a string to be used as the reference id for images and strings.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ReferenceId">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="32"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.54 ShortReferenceId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ShortLocaleAwareSettingWithId

Defines a subclass of **ReferenceId** that identifies a short string resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ShortReferenceId">
  <xs:restriction base="ReferenceId"/>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.55 ShortString

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: ShortLocaleOverride, ShortLocaleAwareSettingWithId, VersionedRequirement, Event, ItemHasKnownEntity, UIControl, UIControlWithIcon, UIControlWithOptionalIcon, Button, MenuItem, Menu, Group, Tab, OfficeTab, CustomTab

Defines a string that must contain between 1 and 125 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ShortString">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
    <xs:maxLength value="125"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.56 ShortVersion

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: VersionedRequirement, Sets, Methods

Defines the format for the Short Version element.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ShortVersion">
  <xs:restriction base="xs:string">
    <xs:pattern value="([0-9]{1,5})\.([0-9]{1,5})"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.57 ST_RequestedHeight

Target namespace: http://schemas.microsoft.com/office/mailappversionoverrides

Referenced by: CustomPane

The height that the Add-in requests to be used when displaying it.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="ST_RequestedHeight">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="32"/>
    <xs:maxInclusive value="450"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.3 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.58 URL

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: URLLocaleOverride, ImageLocaleAwareSettingWithId, URLLocaleAwareSettingWithId

Defines a string that holds a Uniform Resource Locator and that must contain between 1 and 2048 characters.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="URL">
  <xs:restriction base="xs:anyURI">
    <xs:minLength value="1"/>
    <xs:maxLength value="2048"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.59 URLReferenceId

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Referenced by: URLLocaleAwareSettingWithId

Defines a subclass of **ReferenceId** that identifies a URL string resource.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="URLReferenceId">
  <xs:restriction base="ReferenceId"/>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.60 UUID

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

The supported representations of a URN UUID or GUID.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="UUID">
  <xs:restriction base="xs:string">
    <xs:pattern value="(urn:uuid:)?[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}|\{[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}\}"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

2.3.61 Version

Target namespace: http://schemas.microsoft.com/office/officeappbasictypes/1.0

Defines the format for the Version element.

The following W3C XML Schema ([XMLSCHEMA1] section 2.1) fragment specifies the contents of this simple type.

```
<xs:simpleType name="Version">
  <xs:restriction base="xs:string">
    <xs:pattern value="([0-9]{1,5})(\.[0-9]{1,5}){0,3}?"/>
  </xs:restriction>
</xs:simpleType>
```

See section 5.4 for the full W3C XML Schema ([XMLSCHEMA1] section 2.1).

3   Structure Examples

There are three main types of Office Add-ins as defined in section 2.2.24, section 2.2.29 and section 2.2.32. In addition, the **TaskPaneApp** (section 2.2.29) complex type includes additional elements to enable the implementer to support dictionary functionality. The three types and the dictionary sub-type are shown in the following examples.

3.1   Content App

The following XML is a sample manifest for a content add-in.

```
<?xml version="1.0" encoding="utf-8"?>
<OfficeApp xmlns="http://schemas.microsoft.com/office/appforoffice/1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:ver="http://schemas.microsoft.com/office/appforoffice/1.0"
    xsi:type="ContentApp">
  <Id>df5b5660-84ce-11e1-b0c4-0800200c9a66</Id>
  <AlternateId>en-US\WA123456789</AlternateId>
  <Version>1.0.0.0</Version>
  <ProviderName>Microsoft</ProviderName>
  <DefaultLocale>en-US.pseudo</DefaultLocale>
  <DisplayName DefaultValue="AuthentiMOE" />
  <Description DefaultValue="Authenticates to various services" />
  <IconUrl DefaultValue="http://www.contoso.com/Bonsai1.png" />
  <Capabilities>
    <Capability Name="Workbook" />
  </Capabilities>
  <DefaultSettings>
    <SourceLocation DefaultValue="http://www.contoso.com/AuthentiMoe.html" />
    <RequestedWidth>400</RequestedWidth>
    <RequestedHeight>400</RequestedHeight>
  </DefaultSettings>
  <Permissions>Restricted</Permissions>
  <AllowSnapshot>true</AllowSnapshot>
</OfficeApp>
```

3.2   Task Pane

The following XML is a sample manifest for a task pane add-in.

```
<?xml version="1.0" encoding="utf-8"?>
<OfficeApp xmlns="http://schemas.microsoft.com/office/appforoffice/1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:ver="http://schemas.microsoft.com/office/appforoffice/1.0"
    xsi:type="TaskPaneApp">
  <Id>urn:uuid:ff3a1120-87ed-11e1-b0c4-0800200c9a66</Id>
  <AlternateId>en-us\WA123456789</AlternateId>
  <Version>1.0</Version>
  <ProviderName>Microsoft</ProviderName>
  <DefaultLocale>ar-SA</DefaultLocale>
  <DisplayName DefaultValue="المشروع التطبيقي">
    <Override Value="Project App" Locale="en-US">
    </Override>
  </DisplayName>
  <Description DefaultValue="ويضيف معلومات إدارة المشروع للوثائق">
    <Override Value="Adds project management information to documents" Locale="en-US">
    </Override>
  </Description>
  <IconUrl DefaultValue="http://www.contoso.com.sa/ProjectApp/TopProjectas-SA.png">
    <Override Value="http://www.contoso.com/ProjectApp/TopProjecten-US.png" Locale="en-US">
    </Override>
```

```
      </IconUrl>
      <AppDomains>
        <AppDomain>www.contoso.com</AppDomain>
        <AppDomain>m.contoso.com</AppDomain>
        <AppDomain>www.contoso.com.sa</AppDomain>
        <AppDomain>m.contoso.com.sa</AppDomain>
      </AppDomains>
      <Capabilities>
        <Capability Name="Workbook">
        </Capability>
        <Capability Name="Document">
        </Capability>
        <Capability Name="Project">
        </Capability>
      </Capabilities>
      <DefaultSettings>
        <SourceLocation
DefaultValue="http://www.contoso.com.sa/ProjectApp/ProjectiMoear_SA.html">
          <Override Value="http://www.contoso.com/ProjectApp/ProjectiMoeen-US.html" Locale="en-
US">
          </Override>
        </SourceLocation>
      </DefaultSettings>
      <Permissions>ReadDocument</Permissions>
      <Dictionary>
        <TargetDialects>
          <TargetDialect>fr-FR</TargetDialect>
          <TargetDialect>en-US</TargetDialect>
          <TargetDialect>jp-JP</TargetDialect>
        </TargetDialects>
        <QueryUri DefaultValue="http://www.webserviceurl.fr">
        </QueryUri>
        <CitationText DefaultValue="1234 Citation Text">
        </CitationText>
        <DictionaryName DefaultValue="The Best Dictionary">
        </DictionaryName>
        <DictionaryHomePage DefaultValue="www.contoso.com">
        </DictionaryHomePage>
      </Dictionary>
  </OfficeApp>>
```

3.3   Task Pane with Dictionary Functionality

The following XML is a sample manifest for a task pane add-in that provides dictionary support.

```
<?xml version="1.0" encoding="utf-8"?>
<OfficeApp xmlns="http://schemas.microsoft.com/office/appforoffice/1.0"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="TaskPaneApp">
  <Id>7a1c2dcb-72a3-4b95-85b6-cdbc44e4a711</Id>
  <AlternateId>en-us\WA123456789</AlternateId>
  <Version>1.0.0.0</Version>
  <ProviderName>STANDS4_ENGLISH</ProviderName>
  <DefaultLocale>en-US</DefaultLocale>
  <DisplayName DefaultValue="English Dictionary">
  </DisplayName>
  <Description DefaultValue="The STANDS4 English dictionary is a comprehensive unilingual
dictionary that contains thousands of popular definitions along with pronunciations and
example usage in the English language">
  </Description>
  <IconUrl DefaultValue="http://www.contoso.com/favicon.ico">
  </IconUrl>
  <Capabilities>
    <Capability Name="Document">
    </Capability>
  </Capabilities>
```

```xml
    <DefaultSettings>
      <SourceLocation DefaultValue="http://www.contoso.com/dictionaries/index.php?lang=en">
      </SourceLocation>
    </DefaultSettings>
    <Permissions>ReadDocument</Permissions>
    <Dictionary>
      <TargetDialects>
        <TargetDialect>en-AU</TargetDialect>
        <TargetDialect>en-BZ</TargetDialect>
        <TargetDialect>en-CA</TargetDialect>
        <TargetDialect>en-HK</TargetDialect>
        <TargetDialect>en-IN</TargetDialect>
        <TargetDialect>en-ID</TargetDialect>
        <TargetDialect>en-IE</TargetDialect>
        <TargetDialect>en-JM</TargetDialect>
        <TargetDialect>en-MY</TargetDialect>
        <TargetDialect>en-NZ</TargetDialect>
        <TargetDialect>en-PH</TargetDialect>
        <TargetDialect>en-SG</TargetDialect>
        <TargetDialect>en-ZA</TargetDialect>
        <TargetDialect>en-TT</TargetDialect>
        <TargetDialect>en-GB</TargetDialect>
        <TargetDialect>en-US</TargetDialect>
        <TargetDialect>en-ZW</TargetDialect>
      </TargetDialects>
      <QueryUri DefaultValue="http://www.contoso.com/queries/defs.php?lang=en&amp;word=">
      </QueryUri>
      <CitationText DefaultValue="Definitions by: ">
      </CitationText>
      <DictionaryName DefaultValue="contoso.com">
      </DictionaryName>
      <DictionaryHomePage DefaultValue="http://www.contoso.com/">
      </DictionaryHomePage>
    </Dictionary>
  </OfficeApp>
```

3.4 Mail App

The following XML is a sample manifest for a mail add-in.

```xml
<?xml version="1.0" encoding="utf-8"?>
<OfficeApp xmlns="http://schemas.microsoft.com/office/appforoffice/1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="MailApp">
  <Id>FA55E9EA-52A4-4198-B23A-F106E223AB63</Id>
  <AlternateId>en-us\WA111111111</AlternateId>
  <Version>1.0.75</Version>
  <ProviderName>Microsoft</ProviderName>
  <DefaultLocale>en-US</DefaultLocale>
  <DisplayName DefaultValue="Lync Dialer">
    <Override Locale="en-US" Value="Lync Dialer"/>
  </DisplayName>
  <Description DefaultValue="Use this web extension to dial phone numbers using Lync." />
  <Capabilities>
    <Capability Name="Mailbox"/>
  </Capabilities>
  <DesktopSettings>
    <SourceLocation DefaultValue="https://www.contoso.com/dialer/dtdialer.htm" />
    <RequestedHeight>250</RequestedHeight>
  </DesktopSettings>
  <TabletSettings>
    <SourceLocation DefaultValue="https://www.contoso.com/dialer/tdialer.htm" />
    <RequestedHeight>150</RequestedHeight>
  </TabletSettings>
  <PhoneSettings>
    <SourceLocation DefaultValue="https://www.contoso.com/dialer/pdialer.htm" />
  </PhoneSettings>
```

```
    <Permissions>ReadItem</Permissions>
    <Rule xsi:type="RuleCollection" Mode="And">
      <Rule xsi:type="ItemHasRegularExpressionMatch" RegExName="reg1" RegExValue="((\(\d{3}\)
?)|(\d{3}-))?\d{3}-\d{4}" PropertyName="BodyAsPlaintext"/>
      <Rule xsi:type="ItemIs" ItemType="Message"/>
    </Rule>
    <DisableEntityHighlighting>false</DisableEntityHighlighting>
</OfficeApp>
```

3.5   Mail App with Version Overrides

The following XML is a sample Mail Add-In with Version Overrides.

```
<?xml version="1.0" encoding="UTF-8"?>
<OfficeApp
  xmlns="http://schemas.microsoft.com/office/appforoffice/1.1"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:bt="http://schemas.microsoft.com/office/officeappbasictypes/1.0"
  xmlns:mailappor="http://schemas.microsoft.com/office/mailappversionoverrides"
  xsi:type="MailApp">
  <Id>{997062B1-1AF3-48BC-8AE3-BB25CAB9D4CA}</Id>
  <Version>1.0</Version>
  <ProviderName>Microsoft</ProviderName>
  <DefaultLocale>en-us</DefaultLocale>
  <DisplayName DefaultValue="Add-In Commands Full Sample"></DisplayName>
  <Description DefaultValue="Sample add-in that showcases different command actions">
   </Description>
  <IconUrl DefaultValue="https://contoso.com/icons/addin.png" >
  </IconUrl>
  <HighResolutionIconUrl DefaultValue="https://contoso.com/icons/addinHighres.png" >
  </HighResolutionIconUrl>
  <Requirements>
    <Sets DefaultMinVersion="1.1">
      <Set Name="Mailbox" />
    </Sets>
  </Requirements>
  <FormSettings>
    <Form xsi:type="ItemRead">
      <DesktopSettings>
        <SourceLocation DefaultValue="https://contoso.comm/pageRead.html" >
        </SourceLocation>
        <RequestedHeight>150</RequestedHeight>
      </DesktopSettings>
    </Form>
    <Form xsi:type="ItemEdit">
      <DesktopSettings>
        <SourceLocation DefaultValue="https://contoso.com/page.html" >
        </SourceLocation>
      </DesktopSettings>
    </Form>
  </FormSettings>
  <Permissions>ReadWriteItem</Permissions>
  <Rule xsi:type="RuleCollection" Mode="Or">
    <Rule xsi:type="ItemIs" ItemType="Message" FormType="Edit" />
    <Rule xsi:type="ItemIs" ItemType="Appointment" FormType="Edit" />
  </Rule>
  <DisableEntityHighlighting>true</DisableEntityHighlighting>
<VersionOverrides xmlns="http://schemas.microsoft.com/office/mailappversionoverrides"
xsi:type="VersionOverridesV1_0">
  <Description resid="residDescription" />
  <Requirements>
    <bt:Sets DefaultMinVersion="1.3">
      <bt:Set Name="Mailbox" />
    </bt:Sets>
  </Requirements>
  <Hosts>
```

```xml
      <Host xsi:type="MailHost">
        <DesktopFormFactor>
          <FunctionFile resid="residDesktopFuncUrl" />
          <ExtensionPoint xsi:type="MessageReadCommandSurface">
            <OfficeTab id="TabDefault">
              <Group id="msgreadTabMessage.grp1">
                <Label resid="groupLabel" />
                <Tooltip resid="residTipDescription" />
                <Control xsi:type="Button" id="button1id">
                  <Label resid="residUILessButton" />
                  <Tooltip resid="residTipDescription" />
                  <Supertip>
                    <Title resid="residTipTitle" />
                    <Description resid="residTipDescription" />
                  </Supertip>
                  <Icon>
                    <bt:Image size="16" resid="functionIcon" />
                    <bt:Image size="32" resid="functionIcon" />
                    <bt:Image size="80" resid="functionIcon" />
                  </Icon>
                    <Action xsi:type="ExecuteFunction">
                      <FunctionName>uiLessFunction</FunctionName>
                    </Action>
                </Control>
                <Control xsi:type="Button" id="button2id">
                  <Label resid="residTaskpaneButton" />
                  <Tooltip resid="residTipDescription" />
                  <Supertip>
                    <Title resid="residTipTitle" />
                    <Description resid="residTipDescription" />
                  </Supertip>
                  <Icon>
                    <bt:Image size="16" resid="taskpaneIcon" />
                    <bt:Image size="32" resid="taskpaneIcon" />
                    <bt:Image size="80" resid="taskpaneIcon" />
                  </Icon>
                  <Action xsi:type="ShowTaskpane">
                    <SourceLocation resid="residTaskpaneUrl" />
                  </Action>
                </Control>
                <Control xsi:type="Button" id="button3id">
                  <Label resid="residAPIButton" />
                  <Tooltip resid="residTipDescription" />
                  <Supertip>
                    <Title resid="residTipTitle" />
                    <Description resid="residTipDescription" />
                  </Supertip>
                  <Icon>
                    <bt:Image size="16" resid="apiIcon" />
                    <bt:Image size="32" resid="apiIcon" />
                    <bt:Image size="80" resid="apiIcon" />
                  </Icon>
                  <Action xsi:type="ShowTaskpane">
                    <SourceLocation resid="residAgaveAPIUrl" />
                  </Action>
                </Control>
              </Group>
            </OfficeTab>
          </ExtensionPoint>
        </DesktopFormFactor>
      </Host>
    </Hosts>

    <Resources>
      <bt:Images>
        <bt:Image id="apiIcon" DefaultValue="http://contoso.com/aapi.png" ></bt:Image>
        <bt:Image id="functionIcon" DefaultValue="http://contoso.com/function.png" ></bt:Image>
        <bt:Image id="taskpaneIcon" DefaultValue="http://contoso.com/taskpane.png"></bt:Image>
      </bt:Images>
```

```
        <bt:Urls>
          <bt:Url id="residDesktopFuncUrl" DefaultValue="https://contoso.com/indexUILess.html"
></bt:Url>
          <bt:Url id="residTaskpaneUrl" DefaultValue="https://contoso.com/indexTaskpane.html"
></bt:Url>
      <bt:Url id="residAgaveAPIUrl" DefaultValue="https://contoso.com/AgaveAPIs.html"></bt:Url>
        </bt:Urls>
        <bt:ShortStrings>
          <bt:String id="groupLabel" DefaultValue="Sample Add-In Group"></bt:String>
          <bt:String id="residUILessButton" DefaultValue="Execute Function"></bt:String>
          <bt:String id="residTaskpaneButton" DefaultValue="Show Taskpane"></bt:String>
          <bt:String id="residAPIButton" DefaultValue="Show API Playground"></bt:String>
          <bt:String id="residTipTitle" DefaultValue="SuperTip Title"></bt:String>
        </bt:ShortStrings>
        <bt:LongStrings>
          <bt:String id="residDescription" DefaultValue="Testing App For  Commands"></bt:String>
          <bt:String id="groupTooltip" DefaultValue="Test App With both a UILess and Taskpane
Command"></bt:String>
          <bt:String id="residDescription" DefaultValue="Run Test App"></bt:String>
          <bt:String id="residTipDescription" DefaultValue="SuperTip Title"></bt:String>
        </bt:LongStrings>
      </Resources>
    </VersionOverrides>
  </OfficeApp>
```

4 Security

4.1 Security Considerations for Implementers

None.

4.2 Index of Security Fields

None.

5   Appendix A: Full XML Schema

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

Schema name	Prefix	Section
Office Web Extensions, version 1.0	ver	section 5.1
Office Web Extensions, version 1.1	ver	section 5.2

5.1   http://schemas.microsoft.com/office/appforoffice/1.0 Schema

```
<xs:schema id="OfficeAppManifest" elementFormDefault="qualified" version="1.0"
targetNamespace="http://schemas.microsoft.com/office/appforoffice/1.0"
xmlns="http://schemas.microsoft.com/office/appforoffice/1.0"
xmlns:ver="http://schemas.microsoft.com/office/appforoffice/1.0"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="NonEmptyString">
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ShortString">
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="125"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="LongString">
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="250"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="URL">
    <xs:restriction base="xs:anyURI">
      <xs:minLength value="1"/>
      <xs:maxLength value="2048"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="LocaleOverride">
    <xs:attribute name="Locale" type="CultureName" use="required"/>
    <xs:attribute name="Value" type="NonEmptyString" use="required"/>
  </xs:complexType>
  <xs:complexType name="ShortLocaleOverride">
    <xs:attribute name="Locale" type="CultureName" use="required"/>
    <xs:attribute name="Value" type="ShortString" use="required"/>
  </xs:complexType>
  <xs:complexType name="LongLocaleOverride">
    <xs:attribute name="Locale" type="CultureName" use="required"/>
    <xs:attribute name="Value" type="LongString" use="required"/>
  </xs:complexType>
  <xs:complexType name="URLLocaleOverride">
    <xs:attribute name="Locale" type="CultureName" use="required"/>
    <xs:attribute name="Value" type="URL" use="required"/>
  </xs:complexType>
  <xs:complexType name="LocaleAwareSetting">
    <xs:sequence>
      <xs:element name="Override" type="LocaleOverride" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="DefaultValue" type="NonEmptyString" use="required"/>
  </xs:complexType>
```

```
    <xs:complexType name="ShortLocaleAwareSetting">
      <xs:sequence>
        <xs:element name="Override" type="ShortLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="DefaultValue" type="ShortString" use="required"/>
    </xs:complexType>
    <xs:complexType name="LongLocaleAwareSetting">
      <xs:sequence>
        <xs:element name="Override" type="LongLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="DefaultValue" type="LongString" use="required"/>
    </xs:complexType>
    <xs:complexType name="URLLocaleAwareSetting">
      <xs:sequence>
        <xs:element name="Override" type="URLLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="DefaultValue" type="URL" use="required"/>
    </xs:complexType>
    <xs:simpleType name="UUID">
      <xs:restriction base="xs:string">
        <xs:pattern value="(urn:uuid:)?[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{4}-[0-9a-fA-F]{12}|\{[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{12}\}"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="AlternateId">
      <xs:restriction base="xs:string">
        <xs:pattern value=".{5,12}\\WA[0-9]{9}"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="CultureName">
      <xs:restriction base="xs:string">
        <xs:pattern value="[a-zA-Z]{2,3}-[a-zA-Z0-9]{3,8}(-[a-zA-Z]{2,3})?|[a-zA-Z]{2,3}(-[a-
zA-Z]{2,3}(_tradnl|\.pseudo|-[a-zA-Z]{4,8})?)?"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="Version">
      <xs:restriction base="xs:string">
        <xs:pattern value="([0-9]{1,5})(\.[0-9]{1,5}){0,3}?"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="ST_RequestedWidth">
      <xs:restriction base="xs:integer">
        <xs:minInclusive value="32"/>
        <xs:maxInclusive value="1000"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="ST_RequestedHeight">
      <xs:restriction base="xs:integer">
        <xs:minInclusive value="32"/>
        <xs:maxInclusive value="1000"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ContentAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="RequestedWidth" minOccurs="0" maxOccurs="1"
type="ver:ST_RequestedWidth"/>
        <xs:element name="RequestedHeight" minOccurs="0" maxOccurs="1"
type="ver:ST_RequestedHeight"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="TaskPaneAppSettings">
      <xs:sequence>
```

```
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="ST_RequestedHeight1">
      <xs:restriction base="xs:integer">
        <xs:minInclusive value="32"/>
        <xs:maxInclusive value="450"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="DesktopMailAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"
type="ver:ST_RequestedHeight1"/>
      </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="ST_RequestedHeight2">
      <xs:restriction base="xs:integer">
        <xs:minInclusive value="32"/>
        <xs:maxInclusive value="450"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="TabletMailAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"
type="ver:ST_RequestedHeight2"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="PhoneMailAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Rule" abstract="true"/>
    <xs:complexType name="ItemIs">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:attribute name="ItemType" type="ItemType" use="required"/>
          <xs:attribute name="ItemClass" type="NonEmptyString" use="optional"/>
          <xs:attribute name="IncludeSubClasses" type="xs:boolean" use="optional"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:simpleType name="ItemType">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Message"/>
        <xs:enumeration value="Appointment"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="KnownEntityType">
      <xs:restriction base="xs:string">
        <xs:enumeration value="MeetingSuggestion"/>
        <xs:enumeration value="TaskSuggestion"/>
        <xs:enumeration value="Address"/>
        <xs:enumeration value="Url"/>
        <xs:enumeration value="PhoneNumber"/>
        <xs:enumeration value="EmailAddress"/>
        <xs:enumeration value="Contact"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemHasKnownEntity">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:attribute name="EntityType" type="KnownEntityType" use="required"/>
```

```
              <xs:attribute name="RegExFilter" type="NonEmptyString" use="optional"/>
              <xs:attribute name="FilterName" type="NonEmptyString" use="optional"/>
              <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:simpleType name="PropertyName">
          <xs:restriction base="xs:string">
            <xs:enumeration value="Subject"/>
            <xs:enumeration value="BodyAsPlaintext"/>
            <xs:enumeration value="BodyAsHTML"/>
            <xs:enumeration value="SenderSMTPAddress"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:complexType name="ItemHasRegularExpressionMatch">
          <xs:complexContent>
            <xs:extension base="Rule">
              <xs:attribute name="RegExName" type="NonEmptyString" use="required"/>
              <xs:attribute name="RegExValue" type="NonEmptyString" use="required"/>
              <xs:attribute name="PropertyName" type="PropertyName" use="required"/>
              <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="ItemHasAttachment">
          <xs:complexContent>
            <xs:extension base="Rule"/>
          </xs:complexContent>
        </xs:complexType>
        <xs:simpleType name="LogicalOperator">
          <xs:restriction base="xs:string">
            <xs:enumeration value="And"/>
            <xs:enumeration value="Or"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:complexType name="RuleCollection">
          <xs:complexContent>
            <xs:extension base="Rule">
              <xs:sequence>
                <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="unbounded"/>
              </xs:sequence>
              <xs:attribute name="Mode" type="LogicalOperator" use="required"/>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:complexType name="AppDomains">
          <xs:sequence minOccurs="1" maxOccurs="unbounded">
            <xs:element name="AppDomain" type="LongString"/>
          </xs:sequence>
        </xs:complexType>
        <xs:complexType name="OfficeApp" abstract="true">
          <xs:sequence>
            <xs:element name="Id" type="UUID" minOccurs="1" maxOccurs="1"/>
            <xs:element name="AlternateId" type="AlternateId" minOccurs="0" maxOccurs="1"/>
            <xs:element name="Version" type="Version" minOccurs="1" maxOccurs="1"/>
            <xs:element name="ProviderName" type="ShortString" minOccurs="1" maxOccurs="1"/>
            <xs:element name="DefaultLocale" type="CultureName" minOccurs="1" maxOccurs="1"/>
            <xs:element name="DisplayName" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
            <xs:element name="Description" type="LongLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
            <xs:element name="IconUrl" type="URLLocaleAwareSetting" minOccurs="0" maxOccurs="1"/>
            <xs:element name="SupportUrl" type="URLLocaleAwareSetting" minOccurs="0"
maxOccurs="1"/>
            <xs:element name="AppDomains" type="AppDomains" minOccurs="0" maxOccurs="1"/>
            <xs:element name="VersionOverrides"
xmlns="http://schemas.microsoft.com/office/versionoverrides/1.0" minOccurs="0"
maxOccurs="1"/>
          </xs:sequence>
```

```
      </xs:complexType>
      <xs:simpleType name="ContentAppCapabilities">
        <xs:restriction base="xs:string">
          <xs:enumeration value="Workbook"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="ContentAppCapability">
        <xs:attribute name="Name" type="ContentAppCapabilities" use="required"/>
      </xs:complexType>
      <xs:complexType name="CT_Capabilities">
        <xs:sequence>
          <xs:element name="Capability" type="ContentAppCapability" minOccurs="1" maxOccurs="3"/>
        </xs:sequence>
      </xs:complexType>
      <xs:simpleType name="ST_Permissions">
        <xs:restriction base="xs:string">
          <xs:enumeration value="Restricted"/>
          <xs:enumeration value="ReadDocument"/>
          <xs:enumeration value="WriteDocument"/>
          <xs:enumeration value="ReadWriteDocument"/>
          <xs:enumeration value="ReadAllDocument"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="ContentApp">
        <xs:complexContent>
          <xs:extension base="OfficeApp">
            <xs:sequence>
              <xs:element name="Capabilities" minOccurs="1" maxOccurs="1"
type="ver:CT_Capabilities"/>
              <xs:element name="DefaultSettings" type="ContentAppSettings" minOccurs="1"
maxOccurs="1"/>
              <xs:element name="Permissions" minOccurs="1" maxOccurs="1"
type="ver:ST_Permissions"/>
              <xs:element name="AllowSnapshot" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
              <xs:any id="ContentAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
            </xs:sequence>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:complexType name="Dictionary">
        <xs:sequence>
          <xs:element name="TargetDialects" type="TargetDialects" minOccurs="1" maxOccurs="1"/>
          <xs:element name="QueryUri" type="URLLocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
          <xs:element name="CitationText" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="DictionaryName" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="DictionaryHomePage" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="TargetDialects">
        <xs:sequence minOccurs="1" maxOccurs="unbounded">
          <xs:element name="TargetDialect" type="CultureName"/>
        </xs:sequence>
      </xs:complexType>
      <xs:simpleType name="TaskPaneAppCapabilities">
        <xs:restriction base="xs:string">
          <xs:enumeration value="Document"/>
          <xs:enumeration value="Project"/>
          <xs:enumeration value="Workbook"/>
          <xs:enumeration value="Presentation"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="TaskPaneAppCapability">
        <xs:attribute name="Name" type="TaskPaneAppCapabilities" use="required"/>
      </xs:complexType>
      <xs:complexType name="CT_Capabilities1">
```

```
      <xs:sequence>
        <xs:element name="Capability" type="TaskPaneAppCapability" minOccurs="1"
maxOccurs="4"/>
      </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="ST Permissions1">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Restricted"/>
        <xs:enumeration value="ReadDocument"/>
        <xs:enumeration value="ReadAllDocument"/>
        <xs:enumeration value="WriteDocument"/>
        <xs:enumeration value="ReadWriteDocument"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="TaskPaneApp">
      <xs:complexContent>
        <xs:extension base="OfficeApp">
          <xs:sequence>
            <xs:element name="Capabilities" minOccurs="1" maxOccurs="1"
type="ver:CT_Capabilities1"/>
            <xs:element name="DefaultSettings" type="TaskPaneAppSettings" minOccurs="1"
maxOccurs="1"/>
            <xs:element name="Permissions" minOccurs="1" maxOccurs="1"
type="ver:ST_Permissions1"/>
            <xs:element name="Dictionary" type="Dictionary" minOccurs="0" maxOccurs="1"/>
            <xs:any id="TaskPaneAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:simpleType name="MailAppCapabilities">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Mailbox"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="MailAppCapability">
      <xs:attribute name="Name" type="MailAppCapabilities" use="required"/>
    </xs:complexType>
    <xs:complexType name="CT Capabilities2">
      <xs:sequence>
        <xs:element name="Capability" type="MailAppCapability" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="ST_Permissions2">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Restricted"/>
        <xs:enumeration value="ReadItem"/>
        <xs:enumeration value="ReadWriteMailbox"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="MailApp">
      <xs:complexContent>
        <xs:extension base="OfficeApp">
          <xs:sequence>
            <xs:element name="Capabilities" minOccurs="1" maxOccurs="1"
type="ver:CT Capabilities2"/>
            <xs:element name="DesktopSettings" type="DesktopMailAppSettings" minOccurs="1"
maxOccurs="1"/>
            <xs:element name="TabletSettings" type="TabletMailAppSettings" minOccurs="0"
maxOccurs="1"/>
            <xs:element name="PhoneSettings" type="PhoneMailAppSettings" minOccurs="0"
maxOccurs="1"/>
            <xs:element name="Permissions" minOccurs="1" maxOccurs="1"
type="ver:ST Permissions2"/>
            <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="1"/>
            <xs:element name="DisableEntityHighlighting" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
```

```
              <xs:any id="MailAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:element name="OfficeApp" type="OfficeApp"/>
</xs:schema>
```

5.2 http://schemas.microsoft.com/office/appforoffice/1.1 Schema

```
<xs:schema id="OfficeAppManifest" elementFormDefault="qualified" version="1.1"
targetNamespace="http://schemas.microsoft.com/office/appforoffice/1.1"
xmlns="http://schemas.microsoft.com/office/appforoffice/1.1"
xmlns:mailor="http://schemas.microsoft.com/office/mailappversionoverrides"
xmlns:bt="http://schemas.microsoft.com/office/officeappbasictypes/1.0"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="NonEmptyString">
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ShortString">
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="125"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="LongString">
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="250"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="URL">
    <xs:restriction base="xs:anyURI">
      <xs:minLength value="1"/>
      <xs:maxLength value="2048"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="LocaleOverride">
    <xs:attribute name="Locale" type="CultureName" use="required"/>
    <xs:attribute name="Value" type="NonEmptyString" use="required"/>
  </xs:complexType>
  <xs:complexType name="ShortLocaleOverride">
    <xs:attribute name="Locale" type="CultureName" use="required"/>
    <xs:attribute name="Value" type="ShortString" use="required"/>
  </xs:complexType>
  <xs:complexType name="LongLocaleOverride">
    <xs:attribute name="Locale" type="CultureName" use="required"/>
    <xs:attribute name="Value" type="LongString" use="required"/>
  </xs:complexType>
  <xs:complexType name="URLLocaleOverride">
    <xs:attribute name="Locale" type="CultureName" use="required"/>
    <xs:attribute name="Value" type="URL" use="required"/>
  </xs:complexType>
  <xs:complexType name="LocaleAwareSetting">
    <xs:sequence>
      <xs:element name="Override" type="LocaleOverride" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="DefaultValue" type="NonEmptyString" use="required"/>
  </xs:complexType>
  <xs:complexType name="ShortLocaleAwareSetting">
    <xs:sequence>
      <xs:element name="Override" type="ShortLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
```

```xml
        <xs:attribute name="DefaultValue" type="ShortString" use="required"/>
      </xs:complexType>
      <xs:complexType name="LongLocaleAwareSetting">
        <xs:sequence>
          <xs:element name="Override" type="LongLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
        </xs:sequence>
        <xs:attribute name="DefaultValue" type="LongString" use="required"/>
      </xs:complexType>
      <xs:complexType name="URLLocaleAwareSetting">
        <xs:sequence>
          <xs:element name="Override" type="URLLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
        </xs:sequence>
        <xs:attribute name="DefaultValue" type="URL" use="required"/>
      </xs:complexType>
      <xs:simpleType name="UUID">
        <xs:restriction base="xs:string">
          <xs:pattern value="(urn:uuid:)?[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{4}-[0-9a-fA-F]{12}|\{[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{12}\}"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="AlternateId">
        <xs:restriction base="xs:string">
          <xs:pattern value=".{5,12}\\WA[0-9]{9}"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="CultureName">
        <xs:restriction base="xs:string">
          <xs:pattern value="[a-zA-Z]{2,3}-[a-zA-Z0-9]{3,8}(-[a-zA-Z]{2,3})?|[a-zA-Z]{2,3}(-[a-
zA-Z]{2,3}(_tradnl|\.pseudo|-[a-zA-Z]{4,8})?)?"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="Version">
        <xs:restriction base="xs:string">
          <xs:pattern value="([0-9]{1,5})(\.[0-9]{1,5}){0,3}?"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="ShortVersion">
        <xs:restriction base="xs:string">
          <xs:pattern value="([0-9]{1,5})\.([0-9]{1,5})"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="ST_RequestedWidth">
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="32"/>
          <xs:maxInclusive value="1000"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="ST_RequestedHeight">
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="32"/>
          <xs:maxInclusive value="1000"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="ContentAppSettings">
        <xs:sequence>
          <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="RequestedWidth" minOccurs="0" maxOccurs="1"
type="ST_RequestedWidth"/>
          <xs:element name="RequestedHeight" minOccurs="0" maxOccurs="1"
type="ST_RequestedHeight"/>
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="TaskPaneAppSettings">
        <xs:sequence>
```

```xml
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="ST_RequestedHeight1">
      <xs:restriction base="xs:integer">
        <xs:minInclusive value="32"/>
        <xs:maxInclusive value="450"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemReadDesktopMailAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"
type="ST_RequestedHeight1"/>
      </xs:sequence>
    </xs:complexType>
    <xs:simpleType name="ST_RequestedHeight2">
      <xs:restriction base="xs:integer">
        <xs:minInclusive value="32"/>
        <xs:maxInclusive value="450"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemReadTabletMailAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="RequestedHeight" minOccurs="1" maxOccurs="1"
type="ST_RequestedHeight2"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ItemReadPhoneMailAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="ItemEditMailAppSettings">
      <xs:sequence>
        <xs:element name="SourceLocation" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="FormType" abstract="true"/>
    <xs:complexType name="ItemRead">
      <xs:complexContent>
        <xs:extension base="FormType">
          <xs:sequence>
            <xs:element name="DesktopSettings" type="ItemReadDesktopMailAppSettings"
minOccurs="1" maxOccurs="1"/>
            <xs:element name="TabletSettings" type="ItemReadTabletMailAppSettings"
minOccurs="0" maxOccurs="1"/>
            <xs:element name="PhoneSettings" type="ItemReadPhoneMailAppSettings" minOccurs="0"
maxOccurs="1"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ItemEdit">
      <xs:complexContent>
        <xs:extension base="FormType">
          <xs:sequence>
            <xs:element name="DesktopSettings" type="ItemEditMailAppSettings" minOccurs="1"
maxOccurs="1"/>
            <xs:element name="TabletSettings" type="ItemEditMailAppSettings" minOccurs="0"
maxOccurs="1"/>
            <xs:element name="PhoneSettings" type="ItemEditMailAppSettings" minOccurs="0"
maxOccurs="1"/>
```

```xml
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="FormSettings">
      <xs:sequence>
        <xs:element name="Form" type="FormType" minOccurs="1" maxOccurs="2"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Rule" abstract="true"/>
    <xs:simpleType name="ItemFormType">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Read"/>
        <xs:enumeration value="Edit"/>
        <xs:enumeration value="ReadOrEdit"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemIs">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:attribute name="ItemType" type="ItemType" use="required"/>
          <xs:attribute name="FormType" type="ItemFormType" use="required"/>
          <xs:attribute name="ItemClass" type="NonEmptyString" use="optional"/>
          <xs:attribute name="IncludeSubClasses" type="xs:boolean" use="optional"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:simpleType name="ItemType">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Message"/>
        <xs:enumeration value="Appointment"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="KnownEntityType">
      <xs:restriction base="xs:string">
        <xs:enumeration value="MeetingSuggestion"/>
        <xs:enumeration value="TaskSuggestion"/>
        <xs:enumeration value="Address"/>
        <xs:enumeration value="Url"/>
        <xs:enumeration value="PhoneNumber"/>
        <xs:enumeration value="EmailAddress"/>
        <xs:enumeration value="Contact"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemHasKnownEntity">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:attribute name="EntityType" type="KnownEntityType" use="required"/>
          <xs:attribute name="RegExFilter" type="NonEmptyString" use="optional"/>
          <xs:attribute name="FilterName" type="NonEmptyString" use="optional"/>
          <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:simpleType name="PropertyName">
      <xs:restriction base="xs:string">
        <xs:enumeration value="Subject"/>
        <xs:enumeration value="BodyAsPlaintext"/>
        <xs:enumeration value="BodyAsHTML"/>
        <xs:enumeration value="SenderSMTPAddress"/>
      </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemHasRegularExpressionMatch">
      <xs:complexContent>
        <xs:extension base="Rule">
          <xs:attribute name="RegExName" type="NonEmptyString" use="required"/>
          <xs:attribute name="RegExValue" type="NonEmptyString" use="required"/>
          <xs:attribute name="PropertyName" type="PropertyName" use="required"/>
          <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
```

```
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:complexType name="ItemHasAttachment">
        <xs:complexContent>
          <xs:extension base="Rule"/>
        </xs:complexContent>
      </xs:complexType>
      <xs:simpleType name="LogicalOperator">
        <xs:restriction base="xs:string">
          <xs:enumeration value="And"/>
          <xs:enumeration value="Or"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="RuleCollection">
        <xs:complexContent>
          <xs:extension base="Rule">
            <xs:sequence>
              <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="unbounded"/>
            </xs:sequence>
            <xs:attribute name="Mode" type="LogicalOperator" use="required"/>
          </xs:extension>
        </xs:complexContent>
      </xs:complexType>
      <xs:complexType name="AppDomains">
        <xs:sequence minOccurs="1" maxOccurs="unbounded">
          <xs:element name="AppDomain" type="LongString"/>
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="OfficeApp" abstract="true">
        <xs:sequence>
          <xs:element name="Id" type="UUID" minOccurs="1" maxOccurs="1"/>
          <xs:element name="AlternateId" type="AlternateId" minOccurs="0" maxOccurs="1"/>
          <xs:element name="Version" type="Version" minOccurs="1" maxOccurs="1"/>
          <xs:element name="ProviderName" type="ShortString" minOccurs="1" maxOccurs="1"/>
          <xs:element name="DefaultLocale" type="CultureName" minOccurs="1" maxOccurs="1"/>
          <xs:element name="DisplayName" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="Description" type="LongLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
          <xs:element name="IconUrl" type="URLLocaleAwareSetting" minOccurs="0" maxOccurs="1"/>
          <xs:element name="HighResolutionIconUrl" type="URLLocaleAwareSetting" minOccurs="0"
maxOccurs="1"/>
          <xs:element name="SupportUrl" type="URLLocaleAwareSetting" minOccurs="0"
maxOccurs="1"/>
          <xs:element name="AppDomains" type="AppDomains" minOccurs="0" maxOccurs="1"/>
          <xs:element name="Hosts" type="Hosts" minOccurs="0" maxOccurs="1"/>
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="Host">
        <xs:attribute name="Name" type="ShortString" use="required"/>
      </xs:complexType>
      <xs:complexType name="Hosts">
        <xs:sequence minOccurs="1" maxOccurs="unbounded">
          <xs:element name="Host" type="Host"/>
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="Requirements">
        <xs:sequence>
          <xs:element name="Sets" type="Sets" minOccurs="0" maxOccurs="1"/>
          <xs:element name="Methods" type="Methods" minOccurs="0" maxOccurs="1"/>
        </xs:sequence>
      </xs:complexType>
      <xs:complexType name="Sets">
        <xs:sequence minOccurs="1" maxOccurs="unbounded">
          <xs:element name="Set" type="VersionedRequirement"/>
        </xs:sequence>
        <xs:attribute name="DefaultMinVersion" type="ShortVersion" default="1.1"/>
      </xs:complexType>
```

```
<xs:complexType name="VersionedRequirement">
  <xs:attribute name="MinVersion" type="ShortVersion" use="optional"/>
  <xs:attribute name="Name" type="ShortString" use="required"/>
</xs:complexType>
<xs:complexType name="Methods">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="Method" type="Requirement"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="Requirement">
  <xs:attribute name="Name" type="LongString" use="required"/>
</xs:complexType>
<xs:complexType name="MailAppRequirements">
  <xs:sequence>
    <xs:element name="Sets" type="Sets" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="ST_Permissions">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadDocument"/>
    <xs:enumeration value="WriteDocument"/>
    <xs:enumeration value="ReadWriteDocument"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="ContentApp">
  <xs:complexContent>
    <xs:extension base="OfficeApp">
      <xs:sequence>
        <xs:element name="Requirements" type="Requirements" minOccurs="0" maxOccurs="1"/>
        <xs:element name="DefaultSettings" type="ContentAppSettings" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="Permissions" minOccurs="1" maxOccurs="1" type="ST_Permissions"/>
        <xs:element name="AllowSnapshot" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
        <xs:any id="ContentAppVersionOverrides" minOccurs="0" maxOccurs="1"
namespace="http://schemas.microsoft.com/office/contentappversionoverrides"
processContents="lax"/>
        <xs:any id="ContentAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="Dictionary">
  <xs:sequence>
    <xs:element name="TargetDialects" type="TargetDialects" minOccurs="1" maxOccurs="1"/>
    <xs:element name="QueryUri" type="URLLocaleAwareSetting" minOccurs="1" maxOccurs="1"/>
    <xs:element name="CitationText" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="DictionaryName" type="ShortLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
    <xs:element name="DictionaryHomePage" type="URLLocaleAwareSetting" minOccurs="1"
maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="TargetDialects">
  <xs:sequence minOccurs="1" maxOccurs="unbounded">
    <xs:element name="TargetDialect" type="CultureName"/>
  </xs:sequence>
</xs:complexType>
<xs:simpleType name="ST_Permissions1">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Restricted"/>
    <xs:enumeration value="ReadDocument"/>
    <xs:enumeration value="ReadAllDocument"/>
    <xs:enumeration value="WriteDocument"/>
    <xs:enumeration value="ReadWriteDocument"/>
  </xs:restriction>
</xs:simpleType>
```

```
        <xs:complexType name="TaskPaneApp">
          <xs:complexContent>
            <xs:extension base="OfficeApp">
              <xs:sequence>
                <xs:element name="Requirements" type="Requirements" minOccurs="0" maxOccurs="1"/>
                <xs:element name="DefaultSettings" type="TaskPaneAppSettings" minOccurs="1"
maxOccurs="1"/>
                <xs:element name="Permissions" minOccurs="1" maxOccurs="1" type="ST_Permissions1"/>
                <xs:element name="Dictionary" type="Dictionary" minOccurs="0" maxOccurs="1"/>
                <xs:any id="TaskPaneAppVersionOverrides" minOccurs="0" maxOccurs="1"
namespace="http://schemas.microsoft.com/office/taskpaneappversionoverrides"
processContents="lax"/>
                <xs:any id="TaskPaneAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:simpleType name="ST_Permissions2">
          <xs:restriction base="xs:string">
            <xs:enumeration value="Restricted"/>
            <xs:enumeration value="ReadItem"/>
            <xs:enumeration value="ReadWriteItem"/>
            <xs:enumeration value="ReadWriteMailbox"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:complexType name="MailApp">
          <xs:complexContent>
            <xs:extension base="OfficeApp">
              <xs:sequence>
                <xs:element name="Requirements" type="MailAppRequirements" minOccurs="1"
maxOccurs="1"/>
                <xs:element name="FormSettings" type="FormSettings" minOccurs="1" maxOccurs="1"/>
                <xs:element name="Permissions" minOccurs="0" maxOccurs="1" type="ST_Permissions2"/>
                <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="1"/>
                <xs:element name="DisableEntityHighlighting" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
                <xs:element ref="mailor:VersionOverrides" minOccurs="0" maxOccurs="1"/>
                <xs:any id="MailAppSignature" minOccurs="0" maxOccurs="1"
namespace="http://www.w3.org/2000/09/xmldsig#" processContents="lax"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
        <xs:element name="OfficeApp" type="OfficeApp"/>
        <xs:import schemaLocation="MailAppVersionOverridesV1 0.xsd"
namespace="http://schemas.microsoft.com/office/mailappversionoverrides"/>
        <xs:import schemaLocation="OfficeAppBasicTypesV1 0.xsd"
namespace="http://schemas.microsoft.com/office/officeappbasictypes/1.0"/>
</xs:schema>
```

5.3   http://schemas.microsoft.com/office/mailappversionoverrides Schema

```
<xs:schema id="MailAppVersionOverrides" elementFormDefault="qualified" version="1.0"
targetNamespace="http://schemas.microsoft.com/office/mailappversionoverrides"
xmlns="http://schemas.microsoft.com/office/mailappversionoverrides"
xmlns:bt="http://schemas.microsoft.com/office/officeappbasictypes/1.0"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:import schemaLocation="OfficeAppBasicTypesV1 0.xsd"
namespace="http://schemas.microsoft.com/office/officeappbasictypes/1.0"/>
  <xs:simpleType name="EventFunctionExecutionType">
    <xs:restriction base="xs:string">
      <xs:enumeration value="synchronous"/>
      <xs:enumeration value="asynchronous"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="Event">
```

```xml
            <xs:attribute name="Type" type="bt:ShortString" use="required"/>
            <xs:attribute name="FunctionExecution" type="EventFunctionExecutionType" use="required"/>
            <xs:attribute name="FunctionName" type="bt:LongString" use="required"/>
    </xs:complexType>
    <xs:complexType name="ShowTaskpane">
        <xs:complexContent>
            <xs:extension base="Action">
                <xs:sequence>
                    <xs:element name="SourceLocation" type="bt:URLResourceReference" minOccurs="1"
maxOccurs="1"/>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ExecuteFunction">
        <xs:complexContent>
            <xs:extension base="Action">
                <xs:sequence>
                    <xs:element name="FunctionName" type="bt:LongString" minOccurs="1" maxOccurs="1"/>
                </xs:sequence>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="Action" abstract="true"/>
    <xs:complexType name="Supertip">
        <xs:sequence>
            <xs:element name="Title" type="bt:ShortResourceReference" minOccurs="1" maxOccurs="1"/>
            <xs:element name="Description" type="bt:LongResourceReference" minOccurs="1"
maxOccurs="1"/>
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Rule" abstract="true"/>
    <xs:complexType name="ItemIs">
        <xs:complexContent>
            <xs:extension base="Rule">
                <xs:attribute name="ItemType" type="bt:NonEmptyString" use="required"/>
                <xs:attribute name="ItemClass" type="bt:NonEmptyString" use="optional"/>
                <xs:attribute name="IncludeSubClasses" type="xs:boolean" use="optional"/>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="ItemHasKnownEntity">
        <xs:complexContent>
            <xs:extension base="Rule">
                <xs:attribute name="EntityType" type="bt:ShortString" use="required"/>
                <xs:attribute name="RegExFilter" type="bt:NonEmptyString" use="optional"/>
                <xs:attribute name="FilterName" type="bt:NonEmptyString" use="optional"/>
                <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
    <xs:simpleType name="PropertyName">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Subject"/>
            <xs:enumeration value="BodyAsPlaintext"/>
            <xs:enumeration value="BodyAsHTML"/>
            <xs:enumeration value="SenderSMTPAddress"/>
        </xs:restriction>
    </xs:simpleType>
    <xs:complexType name="ItemHasRegularExpressionMatch">
        <xs:complexContent>
            <xs:extension base="Rule">
                <xs:attribute name="RegExName" type="bt:NonEmptyString" use="required"/>
                <xs:attribute name="RegExValue" type="bt:NonEmptyString" use="required"/>
                <xs:attribute name="PropertyName" type="PropertyName" use="required"/>
                <xs:attribute name="IgnoreCase" type="xs:boolean" use="optional"/>
            </xs:extension>
        </xs:complexContent>
    </xs:complexType>
```

```xml
<xs:complexType name="ItemHasAttachment">
  <xs:complexContent>
    <xs:extension base="Rule"/>
  </xs:complexContent>
</xs:complexType>
<xs:simpleType name="LogicalOperator">
  <xs:restriction base="xs:string">
    <xs:enumeration value="And"/>
    <xs:enumeration value="Or"/>
  </xs:restriction>
</xs:simpleType>
<xs:complexType name="RuleCollection">
  <xs:complexContent>
    <xs:extension base="Rule">
      <xs:sequence>
        <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="Mode" type="LogicalOperator" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="UIControl" abstract="true">
  <xs:sequence>
    <xs:element name="Label" type="bt:ShortResourceReference" minOccurs="1" maxOccurs="1"/>
    <xs:element name="Supertip" type="Supertip" minOccurs="1" maxOccurs="1"/>
  </xs:sequence>
  <xs:attribute name="id" type="bt:ShortString" use="required"/>
</xs:complexType>
<xs:complexType name="UIControlWithIcon" abstract="true">
  <xs:complexContent>
    <xs:extension base="UIControl">
      <xs:sequence>
        <xs:element name="Icon" type="bt:IconList" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="UIControlWithOptionalIcon" abstract="true">
  <xs:complexContent>
    <xs:extension base="UIControl">
      <xs:sequence>
        <xs:element name="Icon" type="bt:IconList" minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="Button">
  <xs:complexContent>
    <xs:extension base="UIControlWithIcon">
      <xs:sequence>
        <xs:element name="Action" type="Action" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="MenuItem">
  <xs:complexContent>
    <xs:extension base="UIControlWithOptionalIcon">
      <xs:sequence>
        <xs:element name="Action" type="Action" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="MenuItems">
  <xs:sequence>
    <xs:element name="Item" type="MenuItem" minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

```
<xs:complexType name="Menu">
  <xs:complexContent>
    <xs:extension base="UIControlWithIcon">
      <xs:sequence>
        <xs:element name="Items" type="MenuItems" minOccurs="1" maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="Group">
  <xs:sequence>
    <xs:element name="Label" type="bt:ShortResourceReference" minOccurs="1" maxOccurs="1"/>
    <xs:element name="Control" type="UIControl" minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="bt:ShortString" use="required"/>
</xs:complexType>
<xs:complexType name="Tab" abstract="true">
  <xs:sequence>
    <xs:element name="Group" type="Group" minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="id" type="bt:ShortString" use="required"/>
</xs:complexType>
<xs:complexType name="OfficeTab">
  <xs:complexContent>
    <xs:extension base="Tab"/>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="CustomTab">
  <xs:complexContent>
    <xs:extension base="Tab">
      <xs:sequence>
        <xs:element name="Label" type="bt:ShortResourceReference" minOccurs="1"
maxOccurs="1"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="ExtensionPoint" abstract="true"/>
<xs:complexType name="CommandSurfaceExtensionPoint" abstract="true">
  <xs:complexContent>
    <xs:extension base="ExtensionPoint">
      <xs:sequence>
        <xs:element name="OfficeTab" type="OfficeTab" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="CustomTab" type="CustomTab" minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="MessageReadCommandSurface">
  <xs:complexContent>
    <xs:extension base="CommandSurfaceExtensionPoint"/>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="MessageComposeCommandSurface">
  <xs:complexContent>
    <xs:extension base="CommandSurfaceExtensionPoint"/>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="AppointmentOrganizerCommandSurface">
  <xs:complexContent>
    <xs:extension base="CommandSurfaceExtensionPoint"/>
  </xs:complexContent>
</xs:complexType>
<xs:complexType name="AppointmentAttendeeCommandSurface">
  <xs:complexContent>
    <xs:extension base="CommandSurfaceExtensionPoint"/>
  </xs:complexContent>
</xs:complexType>
<xs:simpleType name="ST_RequestedHeight">
```

```
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="32"/>
          <xs:maxInclusive value="450"/>
        </xs:restriction>
      </xs:simpleType>
    <xs:complexType name="CustomPane">
      <xs:complexContent>
        <xs:extension base="ExtensionPoint">
          <xs:sequence>
            <xs:element name="RequestedHeight" minOccurs="0" maxOccurs="1"
type="ST RequestedHeight"/>
            <xs:element name="SourceLocation" type="bt:URLResourceReference" minOccurs="1"
maxOccurs="1"/>
            <xs:element name="Rule" type="Rule" minOccurs="1" maxOccurs="1"/>
            <xs:element name="DisableEntityHighlighting" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="FormFactor">
      <xs:sequence>
        <xs:element name="FunctionFile" type="bt:URLResourceReference" minOccurs="1"
maxOccurs="1"/>
        <xs:element name="ExtensionPoint" type="ExtensionPoint" minOccurs="1"
maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Host" abstract="true"/>
    <xs:complexType name="MailHost">
      <xs:complexContent>
        <xs:extension base="Host">
          <xs:sequence>
            <xs:element name="DesktopFormFactor" type="FormFactor" minOccurs="0"
maxOccurs="1"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
    <xs:complexType name="Hosts">
      <xs:sequence minOccurs="1" maxOccurs="unbounded">
        <xs:element name="Host" type="Host"/>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="VersionOverridesV1_0">
      <xs:sequence>
        <xs:element name="Description" type="bt:LongResourceReference" minOccurs="0"
maxOccurs="1"/>
        <xs:element name="Requirements" type="bt:Requirements" minOccurs="0" maxOccurs="1"/>
        <xs:element name="Hosts" type="Hosts" minOccurs="1" maxOccurs="1"/>
        <xs:element name="Resources" type="bt:Resources" minOccurs="0" maxOccurs="1"/>
        <xs:any id="VersionOverrides" minOccurs="0" maxOccurs="1"
namespace="http://schemas.microsoft.com/office/mailappversionoverrides/1.1"
processContents="lax"/>
      </xs:sequence>
    </xs:complexType>
    <xs:element name="VersionOverrides" type="VersionOverridesV1 0"/>
</xs:schema>
```

5.4 **http://schemas.microsoft.com/office/officeappbasictypes/1.0 Schema**

```
<xs:schema id="OfficeAppBasicTypes" elementFormDefault="qualified" version="1.0"
targetNamespace="http://schemas.microsoft.com/office/officeappbasictypes/1.0"
xmlns="http://schemas.microsoft.com/office/officeappbasictypes/1.0"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleType name="NonEmptyString">
    <xs:restriction base="xs:string">
```

```xml
          <xs:minLength value="1"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="ShortString">
        <xs:restriction base="xs:string">
          <xs:minLength value="1"/>
          <xs:maxLength value="125"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="ReferenceId">
        <xs:restriction base="xs:string">
          <xs:minLength value="1"/>
          <xs:maxLength value="32"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="ShortReferenceId">
        <xs:restriction base="ReferenceId"/>
      </xs:simpleType>
      <xs:simpleType name="LongReferenceId">
        <xs:restriction base="ReferenceId"/>
      </xs:simpleType>
      <xs:simpleType name="URLReferenceId">
        <xs:restriction base="ReferenceId"/>
      </xs:simpleType>
      <xs:simpleType name="ImageReferenceId">
        <xs:restriction base="ReferenceId"/>
      </xs:simpleType>
      <xs:simpleType name="LongString">
        <xs:restriction base="xs:string">
          <xs:minLength value="1"/>
          <xs:maxLength value="250"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:simpleType name="URL">
        <xs:restriction base="xs:anyURI">
          <xs:minLength value="1"/>
          <xs:maxLength value="2048"/>
        </xs:restriction>
      </xs:simpleType>
      <xs:complexType name="ShortLocaleOverride">
        <xs:attribute name="Locale" type="CultureName" use="required"/>
        <xs:attribute name="Value" type="ShortString" use="required"/>
      </xs:complexType>
      <xs:complexType name="LongLocaleOverride">
        <xs:attribute name="Locale" type="CultureName" use="required"/>
        <xs:attribute name="Value" type="LongString" use="required"/>
      </xs:complexType>
      <xs:complexType name="URLLocaleOverride">
        <xs:attribute name="Locale" type="CultureName" use="required"/>
        <xs:attribute name="Value" type="URL" use="required"/>
      </xs:complexType>
      <xs:complexType name="ImageLocaleAwareSettingWithId">
        <xs:sequence>
          <xs:element name="Override" type="URLLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
        </xs:sequence>
        <xs:attribute name="id" type="ImageReferenceId" use="required"/>
        <xs:attribute name="DefaultValue" type="URL" use="required"/>
      </xs:complexType>
      <xs:complexType name="URLLocaleAwareSettingWithId">
        <xs:sequence>
          <xs:element name="Override" type="URLLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
        </xs:sequence>
        <xs:attribute name="id" type="URLReferenceId" use="required"/>
        <xs:attribute name="DefaultValue" type="URL" use="required"/>
      </xs:complexType>
      <xs:complexType name="ShortLocaleAwareSettingWithId">
        <xs:sequence>
```

```xml
        <xs:element name="Override" type="ShortLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="id" type="ShortReferenceId" use="required"/>
    <xs:attribute name="DefaultValue" type="ShortString" use="required"/>
  </xs:complexType>
  <xs:complexType name="LongLocaleAwareSettingWithId">
    <xs:sequence>
      <xs:element name="Override" type="LongLocaleOverride" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="id" type="LongReferenceId" use="required"/>
    <xs:attribute name="DefaultValue" type="LongString" use="required"/>
  </xs:complexType>
  <xs:complexType name="ResourceReference" abstract="true">
    <xs:attribute name="resid" type="ReferenceId" use="required"/>
  </xs:complexType>
  <xs:complexType name="ImageResourceReference">
    <xs:complexContent>
      <xs:extension base="ResourceReference">
        <xs:attribute name="size" type="xs:integer" use="required"/>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="URLResourceReference">
    <xs:complexContent>
      <xs:extension base="ResourceReference"/>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="ShortResourceReference">
    <xs:complexContent>
      <xs:extension base="ResourceReference"/>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="LongResourceReference">
    <xs:complexContent>
      <xs:extension base="ResourceReference"/>
    </xs:complexContent>
  </xs:complexType>
  <xs:simpleType name="UUID">
    <xs:restriction base="xs:string">
      <xs:pattern value="(urn:uuid:)?[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{4}-[0-9a-fA-F]{12}|\{[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{12}\}"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="AlternateId">
    <xs:restriction base="xs:string">
      <xs:pattern value=".{5,12}\\WA[0-9]{9}"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="CultureName">
    <xs:restriction base="xs:string">
      <xs:pattern value="[a-zA-Z]{2,3}-[a-zA-Z0-9]{3,8}(-[a-zA-Z]{2,3})?|[a-zA-Z]{2,3}(-[a-
zA-Z]{2,3}(_tradnl|\.pseudo|-[a-zA-Z]{4,8})?)?"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="Version">
    <xs:restriction base="xs:string">
      <xs:pattern value="([0-9]{1,5})(\.[0-9]{1,5}){0,3}?"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="ShortVersion">
    <xs:restriction base="xs:string">
      <xs:pattern value="([0-9]{1,5})\.([0-9]{1,5})"/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="IconList">
    <xs:sequence>
```

```xml
        <xs:element name="Image" type="ImageResourceReference" minOccurs="1"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ImageResources">
    <xs:sequence>
      <xs:element name="Image" type="ImageLocaleAwareSettingWithId" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="URLResources">
    <xs:sequence>
      <xs:element name="Url" type="URLLocaleAwareSettingWithId" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ShortStringResources">
    <xs:sequence>
      <xs:element name="String" type="ShortLocaleAwareSettingWithId" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LongStringResources">
    <xs:sequence>
      <xs:element name="String" type="LongLocaleAwareSettingWithId" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="Resources">
    <xs:sequence>
      <xs:element name="Images" type="ImageResources" minOccurs="0" maxOccurs="1"/>
      <xs:element name="Urls" type="URLResources" minOccurs="0" maxOccurs="1"/>
      <xs:element name="ShortStrings" type="ShortStringResources" minOccurs="0"
maxOccurs="1"/>
      <xs:element name="LongStrings" type="LongStringResources" minOccurs="0" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="VersionedRequirement">
    <xs:attribute name="MinVersion" type="ShortVersion" use="optional"/>
    <xs:attribute name="Name" type="ShortString" use="required"/>
  </xs:complexType>
  <xs:complexType name="Sets">
    <xs:sequence>
      <xs:element name="Set" type="VersionedRequirement" minOccurs="1"
maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="DefaultMinVersion" type="ShortVersion" default="1.1"/>
  </xs:complexType>
  <xs:complexType name="Methods">
    <xs:sequence>
      <xs:element name="Method" type="VersionedRequirement" minOccurs="1"
maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="DefaultMinVersion" type="ShortVersion" default="1.1"/>
  </xs:complexType>
  <xs:complexType name="Requirements">
    <xs:sequence>
      <xs:element name="Sets" type="Sets" minOccurs="1" maxOccurs="1"/>
    </xs:sequence>
  </xs:complexType>
</xs:schema>
```

6   Appendix B: Product Behavior

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

- Microsoft Exchange Server 2013

- Microsoft Project 2013

- Microsoft Outlook 2013

- Microsoft Word 2013

- Microsoft Excel 2013

- Microsoft Excel 2016

- Microsoft Outlook 2016

- Microsoft Project 2016

- Microsoft Word 2016

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

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

7 Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as New, Major, Minor, Editorial, or No change.

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

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

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

- The removal of a document from the documentation set.

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

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

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

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

- New content added.

- Content updated.

- Content removed.

- New product behavior note added.

- Product behavior note updated.

- Product behavior note removed.

- New protocol syntax added.

- Protocol syntax updated.

- Protocol syntax removed.

- New content added due to protocol revision.

- Content updated due to protocol revision.

- Content removed due to protocol revision.

- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.

- Protocol syntax removed due to protocol revision.

- Obsolete document removed.

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

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

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

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

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

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
2.1.2 OfficeApp	Updated description for OfficeApp.	N	Content update.
2.2.9 ContentAppSettings	Updated the value for RequestedHeight.	N	Content removed.
2.2.35 ContentAppSettings	Updated the value for RequestedHeight.	N	Content removed.
2.2.41 ItemEdit	Updated reference for ItemEditMailAppSettings.	N	Content update.
2.2.42 ItemEditMailAppSettings	Updated reference for URLLocaleAwareSetting.	N	Content update.
2.2.51 LocaleAwareSetting	Updated description for DefaultValue.	N	Content removed.
2.2.112 ShortLocaleAwareSettingWithId	Updated description for DefaultValue.	N	Content removed.
2.2.122 URLLocaleAwareSettingWithId	Updated description for DefaultValue.	N	Content removed.
2.3.18 ST_Permissions	Updated description for ReadAllDocument.	N	Content removed.
5 Appendix A: Full XML Schema	Updated the table to inlcude all the schemas.	N	Content removed.

8 Index