[MS-ONE]:
OneNote File Format

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Revision Summary

Date	Revision History	Revision Class	Comments
07/13/2009	0.1	Major	Initial Availability
08/28/2009	0.2	Editorial	Revised and edited the technical content
11/06/2009	0.3	Editorial	Revised and edited the technical content
02/19/2010	1.0	Minor	Updated the technical content
03/31/2010	1.01	Editorial	Revised and edited the technical content
04/30/2010	1.02	Editorial	Revised and edited the technical content
06/07/2010	1.03	Major	Updated and revised the technical content
06/29/2010	1.04	Editorial	Changed language and formatting in the technical content.
07/23/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
09/27/2010	1.04	No change	No changes to the meaning, language, or formatting of the technical content.
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01/20/2012	1.5	Minor	Clarified the meaning of the technical content.
04/11/2012	1.5	No change	No changes to the meaning, language, or formatting of the technical content.
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1 Introduction

This document specifies the OneNote File Format, which is a persistence format for storing digital notes as hierarchical sets of sections and pages. Pages can contain text, images, tables, note tags, and other types of user-defined content.

Sections 1.7 and 2 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in RFC 2119. All other sections and examples in this specification are informative.

1.1 Glossary

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

ASCII
Coordinated Universal Time (UTC)
GUID
language code identifier (LCID)
Unicode

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

character set
device-independent bitmap (DIB)
file data object
font
Joint Photographic Experts Group (JPEG)
onefiles folder
Portable Network Graphics (PNG)
red-green-blue (RGB)
rich text
right-to-left
style
TIFF
Windows Metafile Format (WMF)

The following terms are specific to this document:

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

1.2 References

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

1.2.1 Normative References

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

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[MS-DOC] Microsoft Corporation, "Word Binary File Format (.doc) Structure Specification".

[MS-DTYP] Microsoft Corporation, "Windows Data Types".

[MS-LCID] Microsoft Corporation, "Windows Language Code Identifier (LCID) Reference".

[MS-ONESTORE] Microsoft Corporation, "OneNote Revision Store File Format Specification".

[MS-OSHARED] Microsoft Corporation, "Office Common Data Types and Objects Structures".

[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

1.2.2 Informative References

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

[MS-OFCGLOS] Microsoft Corporation, "Microsoft Office Master Glossary".

1.3 Structure Overview (Synopsis)

This file format is a persistence format that is designed for taking digital notes and storing those notes in a Microsoft OneNote revision store file, as described in [MS-ONESTORE]. This file format provides an effective way to represent digital notes as hierarchical sets of sections and pages that contain user-defined content. The following diagram illustrates the data model for this file format.

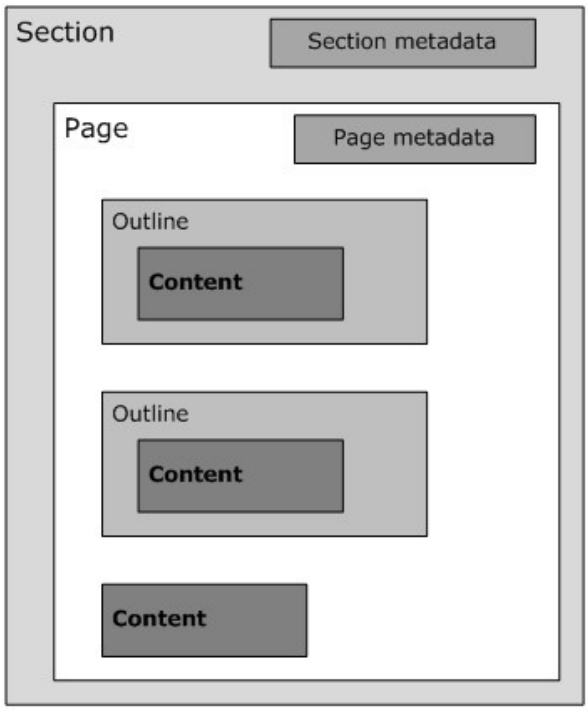

Figure 1: Data model of the OneNote File Format

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1.3.1 Section

A section is a container for specific sets of pages, metadata, and properties. Metadata and properties include the section name, identification of the pages that are contained in the section, and the order in which those pages appear. The term "section" refers to all of the pages that are in a section and the representation of that data in a OneNote® revision store file, which has a .one file name extension. For more information about sections, see section 2.2.17.

1.3.2 Page

A page is a container for user-defined content, including text, lists, tables, page titles, images, and note tags. Most types of content are entered and contained in an outline object that is contained in a page. However, some types of content can be entered directly onto a page.

Pages can be organized in a hierarchical system with different levels of subpages. All pages are referenced through a page series, where the first page in a page series is the top-level page, and all subsequent pages in a page series are subpages of the top-level page.

For more information about pages, see section 2.2.19.

1.3.2.1 Outline

An outline is a container for most types of user-defined content, including text, lists, tables, and images. An outline can appear anywhere on a page and it can overlap with other outlines. A page is not required to contain one or more outlines, although most pages contain at least one outline. For more information about outlines, see section 2.2.20.

1.3.2.2 Outline Element

An outline element is a container for a set of content in an outline. Each outline contains one or more outline elements. For more information about outline elements, see section 2.2.21.

1.3.3 Properties and Property Sets

All of the content in a OneNote® revision store (.one) file consists of properties (section 2.1.12), property sets (section 2.1.13), and file data objects (section 2.1.5). A property set is a collection of properties that represents some type of content. A **file data object** is a block of binary data that contains pictures, embedded files, or audio/video content.

1.3.4 Notebook

A notebook is a collection of section files that are stored in the same directory. A table-of-contents file (section 2.1.15) defines a notebook by using a collection of properties, which specify settings such as the order of sections within the notebook and the color of the notebook.

1.4 Relationship to Protocols and Other Structures

This file format is based on the OneNote revision store file format, as described in [MS-ONESTORE].

1.5 Applicability Statement

This document specifies a persistence format for digital notes, which are stored as collections of sections and pages. Pages can contain text, images, tables, note tags, and other types of user-defined content. This persistence format is applicable when the primary presentation format for note content is electronic.

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This persistence format provides interoperability with applications that can create or read documents conforming to this structure.

1.6 Versioning and Localization

This document covers versioning issues in the following areas:

Structure Versions: This file format supports the schema versions that are defined by the **SchemaRevisionInOrderToRead** simple type (section 2.3.69) and the **SchemaRevisionInOrderToWrite** simple type (section 2.3.97). Applications that implement this file format and encounter other schemas will ignore and not change the data that is defined by those schemas.

Localization: This structure does not define any locale-specific processes or data.

1.7 Vendor-Extensible Fields

None.

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2 Structures

2.1 Fundamental Concepts

2.1.1 Conflict Object

A conflict object is generated when multiple users change a structure and those changes are saved and synchronized.

If a conflict object is not associated with a **jcidTableNode** structure (section 2.2.26), a value MUST be set for both the **IsConflictObjectForSelection** field (section 2.3.72) and the **IsConflictObjectForRender** field (section 2.3.70). If a conflict object is associated with a **jcidTableNode** structure, a value MUST NOT be set for the **IsConflictObjectForSelection** element. In addition, these values MUST NOT be set for structures that are not conflict objects and they MUST NOT be set for structures that are not contained in a conflict page.

2.1.2 Conflict Page

A conflict page is created when one or more conflict objects are generated for a page. The content of a conflict page includes both conflict objects and other types of objects.

Each conflict page has a set of fields that are specified by **jcidConflictPageMetaData** structure (section 2.2.35).

If a **jcidPageNode** structure (section 2.2.19) is a conflict page, all of the following fields MUST be set to **true** for it:

- **IsConflictPage** (section 2.3.68)
- **IsReadOnly** (section 2.3.48)
- **Deletable** (section 2.3.57).

A conflict page MUST be specified by the **ChildGraphSpaceElementNodes** structure (section 2.2.65) in the **jcidPageManifestNode** structure (section 2.2.34) for the corresponding page. By contrast, non-conflict pages are specified by the **ChildGraphSpaceElementNodes** structure (section 2.2.65) within a **jcidPageSeriesNode** structure (section 2.2.18).

A conflict page MUST NOT be contained in another conflict page.

2.1.3 ContextID

A **ContextID** is a **CompactID** structure, as defined in [MS-ONESTORE], that specifies the context for a revision in the containing object space. As specified in [MS-ONESTORE], an object space revision resolves to a collection of objects, the root of which is the default content root object.

2.1.4 Character Position (CP)

A character position (CP) is an unsigned integer that specifies an index into a zero-based array of characters. A CP in the OneNote® file format MUST follow the same rules as a CP in the Word binary file format, as specified in [MS-DOC] section 2.2.1.

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2.1.5 File Data Object

A file data object is an object that contains a file. As specified in [MS-ONESTORE], every file data object specifies a **JCID** structure, which identifies the type of the file data object and the type of data that the file data object contains. The data for a file data object can be stored in either a **onefiles folder** or a **FileDataStoreObject** structure, as specified in [MS-ONESTORE].

A **FileDataStoreObject** structure is referenced by a **FileNode** structure for which the value of the **FileNodeID** element is "0x94". A file data object MUST be specified by a **FileNode** structure for which the value of the **FileNodeID** element is "0x71". The following table specifies valid file data objects for the OneNote file format and the associated **JCID** value.

File data object	JCID value
jcidEmbeddedFileContainer (section 2.2.33)	0x00080036
jcidPictureContainer14 (section 2.2.36)	0x00080039

If the value of the **JCID** element for a file data object is not one of the preceding values it MUST be ignored and MUST be rewritten to the file as it was read.

2.1.6 ObjectID

An **ObjectID** is a **CompactID** structure, as defined in [MS-ONESTORE], that specifies the identifier of an object in an object space. An object resolves to either a property set (section 2.1.13) or a file data object (section 2.1.5).

2.1.7 ObjectSpaceID

An **ObjectSpaceID** is a **CompactID** structure, as defined in [MS-ONESTORE], that specifies the identifier of an object space in a revision store file. References to object spaces refer to a revision in the object space that is labeled with the default context and a revision role value of 0x1. As specified in [MS-ONESTORE], an object space revision resolves to a collection of objects, the root of which is the default content root object.

2.1.8 Root Object

An object space in a revision store file contains one or more root objects, as defined in [MS-ONESTORE] section 2.1.7. For this file format, the valid root objects and corresponding value of **RootRole** within a **FileNode** structure MUST be one of the following:

RootRole Value	Root Object
0x00000001	Default content root.
0x00000002	Metadata root.
0x00000004	Version metadata root.

Each object space structure in this file format specifies the valid object types for each root object. If an object space does not specify an object type for a root object, then the root object is invalid for the object space.

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2.1.9 Note Tag

A note tag is an indicator associated with a paragraph or other object on a page. It consists of a label, and optionally an icon. The icon is specified by the **NoteTagShape** element (section 2.3.86). Each note tag has properties that describe the tag and are specified by the **jcidNoteTagSharedDefinitionContainer** (section 2.2.41) and **NoteTagState** (section 2.2.42) complex types.

There are two types of note tags, normal note tags and task tags. A task tag marks an object as a follow-up item with a due date. The value of the **NoteTagShape** element for a task tag MUST be in the range 89–93. The label for a normal note tag is specified by the **NoteTagLabel** element (section 2.2.3). The label for a task tag is implied by the due date that is associated with the tag.

A normal note tag can specify font and highlight colors for the text that is associated with the tag. A task tag MUST NOT specify a font or highlight color.

All task tags and some normal note tags are checkable and can toggle between an incomplete and completed state. The value of the **NoteTagShape** element specifies whether a note tag is checkable. If a note tag is not checkable, the value of the **NoteTagCompleted** element (section 2.3.90) MUST be the same as the value of the **NoteTagCreated** element (section 2.3.89), and the value of the **ActionItemStatus.Completed** bit (section 2.3.91) MUST be set to 1. If a checkable note tag is incomplete, the value of the **NoteTagCompleted** element MUST be zero and the value of the **ActionItemStatus.Completed** bit MUST be set to zero. If a note tag is completed, the value of the **NoteTagCompleted** element MUST be set to the completion time and the value of the **ActionItemStatus.Completed** bit MUST be set to 1.

2.1.10 PageObjectSpace

A **PageObjectSpace** structure is an object space, as defined in [MS-ONESTORE] section 2.1.4, that specifies the content of a page.

The root objects (section 2.1.8) for the object space MUST be as follows. The default content root object MUST be a **jcidPageManifestNode** structure (section 2.2.34). The metadata root object MUST be a **jcidPageMetaData** structure (section 2.2.30). If present, the version metadata root object MUST be a **jcidRevisionMetaData** structure (section 2.2.39).

2.1.11 ConflictPageObjectSpace

A **ConflictPageObjectSpace** structure is an object space, as defined in [MS-ONESTORE] section 2.1.4, that specifies the content of a conflict page (section 2.1.2).

The root objects (section 2.1.8) for the object space MUST be as follows. The default content root object MUST be a **jcidPageManifestNode** structure (section 2.2.34). The metadata root object MUST be a **jcidConflictPageMetaData** structure (section 2.2.35). If present, the version metadata root object MUST be a **jcidRevisionMetaData** structure (section 2.2.39).

2.1.12 Properties

Many of the structures that are specified in this document are properties that are identified by **PropertyID** structures defined by the OneNote® revision store file format, as specified in [MS-ONESTORE] section 2.6.6. Properties are contained in property sets (section 2.1.13).

The following table lists properties that are used by this file format and the corresponding **PropertyID** value in a OneNote revision store file. If a structure is read and it does not have a **PropertyID** value that is listed in this table, the structure MUST be ignored and MUST be rewritten to the file as it was read.

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Structure	PropertyID value
LayoutTightLayout	0x08001C00
PageWidth	0x14001C01
PageHeight	0x14001C02
OutlineElementChildLevel	0x0C001C03
Bold	0x08001C04
Italic	0x08001C05
Underline	0x08001C06
Strikethrough	0x08001C07
Superscript	0x08001C08
Subscript	0x08001C09
Font	0x1C001C0A
FontSize	0x10001C0B
FontColor	0x14001C0C
Highlight	0x14001C0D
RgOutlineIndentDistance	0x1C001C12
BodyTextAlignment	0x0C001C13
OffsetFromParentHoriz	0x14001C14
OffsetFromParentVert	0x14001C15
NumberListFormat	0x1C001C1A
LayoutMaxWidth	0x14001C1B
LayoutMaxHeight	0x14001C1C
ContentChildNodesOfOutlineElement	0x24001C1F
ContentChildNodesOfPageManifest	0x24001C1F
ElementChildNodesOfSection	0x24001C20
ElementChildNodesOfPage	0x24001C20
ElementChildNodesOfTitle	0x24001C20
ElementChildNodesOfOutline	0x24001C20
ElementChildNodesOfOutlineElement	0x24001C20
ElementChildNodesOfTable	0x24001C20
ElementChildNodesOfTableRow	0x24001C20

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Structure	PropertyID value
ElementChildNodesOfTableCell	0x24001C20
ElementChildNodesOfVersionHistory	0x24001C20
EnableHistory	0x08001E1E
RichEditTextUnicode	0x1C001C22
ListNodes	0x24001C26
NotebookManagementEntityGuid	0x1C001C30
OutlineElementRTL	0x08001C34
LanguageID	0x14001C3B
LayoutAlignmentInParent	0x14001C3E
PictureContainer	0x20001C3F
PageMarginTop	0x14001C4C
PageMarginBottom	0x14001C4D
PageMarginLeft	0x14001C4E
PageMarginRight	0x14001C4F
ListFont	0x1C001C52
TopologyCreationTimeStamp	0x18001C65
LayoutAlignmentSelf	0x14001C84
IsTitleTime	0x08001C87
IsBoilerText	0x08001C88
PageSize	0x14001C8B
PortraitPage	0x08001C8E
EnforceOutlineStructure	0x08001C91
EditRootRTL	0x08001C92
CannotBeSelected	0x08001CB2
IsTitleText	0x08001CB4
IsTitleDate	0x08001CB5
ListRestart	0x14001CB7
IsLayoutSizeSetByUser	0x08001CBD
ListSpacingMu	0x14001CCB
LayoutOutlineReservedWidth	0x14001CDB

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Structure	PropertyID value
LayoutResolveChildCollisions	0x08001CDC
IsReadOnly	0x08001CDE
LayoutMinimumOutlineWidth	0x14001CEC
LayoutCollisionPriority	0x14001CF1
CachedTitleString	0x1C001CF3
DescendantsCannotBeMoved	0x08001CF9
RichEditTextLangID	0x10001CFE
LayoutTightAlignment	0x08001CFF
Charset	0x0C001D01
CreationTimeStamp	0x14001D09
Deletable	0x08001D0C
ListMSAAIndex	0x10001D0E
IsBackground	0x08001D13
IRecordMedia	0x14001D24
CachedTitleStringFromPage	0x1C001D3C
RowCount	0x14001D57
ColumnCount	0x14001D58
TableBordersVisible	0x08001D5E
StructureElementChildNodes	0x24001D5F
ChildGraphSpaceElementNodes	0x2C001D63
TableColumnWidths	0x1C001D66
Author	0x1C001D75
LastModifiedTimeStamp	0x18001D77
AuthorOriginal	0x20001D78
AuthorMostRecent	0x20001D79
LastModifiedTime	0x14001D7A
IsConflictPage	0x08001D7C
TableColumnsLocked	0x1C001D7D
SchemaRevisionInOrderToRead	0x14001D82
IsConflictObjectForRender	0x08001D96

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Structure	PropertyID value
EmbeddedFileContainer	0x20001D9B
EmbeddedFileName	0x1C001D9C
SourceFilepath	0x1C001D9D
ConflictingUserName	0x1C001D9E
ImageFilename	0x1C001DD7
IsConflictObjectForSelection	0x08001DDB
PageLevel	0x14001DFF
TextRunIndex	0x1C001E12
TextRunFormatting	0x24001E13
Hyperlink	0x08001E14
UnderlineType	0x0C001E15
Hidden	0x08001E16
HyperlinkProtected	0x08001E19
TextRunIsEmbeddedObject	0x08001E22
ImageAltText	0x1C001E58
MathFormatting	0x08003401
ParagraphStyle	0x2000342C
ParagraphSpaceBefore	0x1400342E
ParagraphSpaceAfter	0x1400342F
ParagraphLineSpacingExact	0x14003430
MetaDataObjectsAboveGraphSpace	0x24003442
TextRunDataObject	0x24003458
TextRunData	0x40003499
ParagraphStyleId	0x1C00345A
HasVersionPages	0x08003462
ActionItemType	0x10003463
NoteTagShape	0x10003464
NoteTagHighlightColor	0x14003465
NoteTagTextColor	0x14003466
NoteTagPropertyStatus	0x14003467

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Structure	PropertyID value
NoteTagLabel	0x1C003468
NoteTagCreated	0x1400346E
NoteTagCompleted	0x1400346F
NoteTagDefinitionOid	0x20003488
NoteTagStates	0x04003489
ActionItemStatus	0x10003470
ActionItemSchemaVersion	0x0C003473
ReadingOrderRTL	0x08003476
ParagraphAlignment	0x0C003477
VersionHistoryGraphSpaceContextNodes	0x3400347B
DisplayedPageNumber	0x14003480
SectionDisplayName	0x1C00349B
NextStyle	0x1C00348A
WebPictureContainer14	0x200034C8
ImageUploadState	0x140034CB
TextExtendedAscii	0x1C003498
PictureWidth	0x140034CD
PictureHeight	0x140034CE
PageMarginOriginX	0x14001D0F
PageMarginOriginY	0x14001D10
WzHyperlinkUrl	0x1C001E20
TaskTagDueDate	0x1400346B

As specified in [MS-ONESTORE], the size and location of the data for a property in a OneNote revision store file is specified by the **PropertyID.type** element. If the value of the **PropertyID.type** element is "0x7" and the property specifies an array of elements, the value of the **prtFourBytesOfLengthFollowedByData.cb** element MUST be the sum of the sizes, in bytes, of each element in the array. Exceptions include:

- The **RgOutlineIndentDistance** element, where the value of the **prtFourBytesOfLengthFollowedByData.cb** element MUST be: `4 + (4 × RgOutlineIndentDistance.count)`.
- The **TableColumnsLocked** element, where the value of the **prtFourBytesOfLengthFollowedByData.cb** element MUST be: `1 + (TableColumnsLocked.cColumns + 7) / 8`.

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- The **TableColumnWidths** element, where the value of the **prtFourBytesOfLengthFollowedByData.cb** element MUST be: `1 + (4 × TableColumnWidths.cColumns)`.

The description of each property set specifies which properties can be set for that property set. The value of each property in a property set MUST NOT be set more than once. The description of each property specifies whether the property MUST be set or, if the property is optional, what the default behavior is when the property is not set. In addition, the description of a property set identifies whether the behavior of any property is different from the specified behavior. For example, if a property typically MUST be set for all except one property set, the description of the differing property set specifies the alternate, default behavior. Properties can be set in any order for a property set.

2.1.13 Property Sets

A property set is a collection of properties (section 2.1.12) that specifies the data for an object, as defined in [MS-ONESTORE]. Every property set specifies a **JCID** value that identifies the type of an object and which **FileNode** value is valid for that object, as specified in [MS-ONESTORE]. The data for a property set is stored in an **ObjectSpaceObjectPropSet** structure, which is contained by a **FileNode** structure.

The following table lists property sets that are used by this file format, the corresponding **JCID** value, and the **FileNode** structures that can contain the property set, based on **FileNode.FileNodeID** value. If a property set is read and it has a **JCID** value that is not listed in this table, the property set MUST be ignored and MUST be rewritten to the file as it was read.

Property set	JCID value	FileNode.FileNodeID value
jcidReadOnlyPersistablePropertyContainerForAuthor	0x00120001	0xA1, 0xA2
jcidPersistablePropertyContainerForTOC	0x00020001	0x2D, 0x2E
jcidPersistablePropertyContainerForTOCSection	0x00020001	0x2D, 0x2E
jcidSectionNode	0x00060007	0xA1, 0xA2
jcidPageSeriesNode	0x00060008	0xA1, 0xA2
jcidPageNode	0x0006000B	0xA1, 0xA2
jcidOutlineNode	0x0006000C	0xA1, 0xA2
jcidOutlineElementNode	0x0006000D	0xA1, 0xA2
jcidRichTextOENode	0x0006000E	0xA1, 0xA2
jcidImageNode	0x00060011	0xA1, 0xA2
jcidNumberListNode	0x00060012	0xA1, 0xA2
jcidOutlineGroup	0x00060019	0xA1, 0xA2
jcidTableNode	0x00060022	0xA1, 0xA2
jcidTableRowNode	0x00060023	0xA1, 0xA2
jcidTableCellNode	0x00060024	0xA1, 0xA2

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Property set	JCID value	FileNode.FileNodeID value
jcidTitleNode	0x0006002C	0xA1, 0xA2
jcidPageMetaData	0x00020030	0xA1, 0xA2
jcidSectionMetaData	0x00020031	0xA1, 0xA2
jcidEmbeddedFileNode	0x00060035	0xA1, 0xA2
jcidPageManifestNode	0x00060037	0xA1, 0xA2
jcidConflictPageMetaData	0x00020038	0xA1, 0xA2
jcidVersionHistoryContent	0x0006003C	0xA1, 0xA2
jcidVersionProxy	0x0006003D	0xA1, 0xA2
jcidNoteTagSharedDefinitionContainer	0x00120043	0xC0
jcidRevisionMetaData	0x00020044	0xA1, 0xA2
jcidVersionHistoryMetaData	0x00020046	0xA1, 0xA2
jcidParagraphStyleObject	0x0012004D	0xC0
jcidParagraphStyleObjectForText	0x0012004D	0xC0

2.1.14 SectionObjectSpace

The **SectionObjectSpace** structure is an object space, as defined in [MS-ONESTORE] section 2.1.4, that specifies the content of a section. The **SectionObjectSpace** is the root of a OneNote® revision store (.one) file; it MUST be set in the [MS-ONESTORE] Root File Node List and MUST be referenced by the [MS-ONESTORE] ObjectSpaceManifestRootFND structure.

The root objects for the object space MUST be as follows. The default content root object MUST be a jcidSectionNode structure. The metadata root object MUST be a jcidSectionMetaData structure.

2.1.15 Table of Contents (TOC)

A table of contents specifies the contents and properties of a notebook (section 1.3.4). This data is stored in a table of contents (.onetoc2) file. A table of contents (.onetoc2) file contains property sets (section 2.1.13) and structures that are different from those contained in a OneNote revision store (.one) file, but it uses the same binary format.

The default content root object of the default context revision of the root object space, as specified in [MS-ONESTORE] section 2.1.7, of a table of contents (.onetoc2) file MUST be a **jcidPersistablePropertyContainerForTOC** structure (section 2.2.14).

2.1.16 Title

A title is an optional set of structures on a page (section 1.3.2). It specifies the title of a page, and an optional date and time. The property sets (section 2.1.13) for a title contain some properties that distinguish them from property sets for other types of objects.

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If a page has a title, the **StructureElementChildNodes** array (section 2.2.64) of the **jcidPageNode** structure (section 2.2.19) for the page MUST contain only one **ObjectID** structure (section 2.1.6) that references a **jcidTitleNode** structure (section 2.2.29).

If a page has a **jcidTitleNode** structure, it MUST have at least one **jcidOutlineNode** structure (section 2.2.20) for which the value of the **IsTitleText** element (section 2.3.41) is set to **true**. The page can optionally have a second **jcidOutlineNode** structure, for which the value of the **IsTitleDate** element (section 2.3.42) is also set to **true**. This second **jcidOutlineNode** structure can optionally have two child **jcidOutlineElementNodes** structures (section 2.2.21) that contain **jcidRichTextOENodes** (section 2.2.23) — one with an **IsTitleDate** value of **true** and another with an **IsTitleTime** (section 2.3.34) value of **true**.

2.1.17 Version History Page

A version history page is a specific version of a modified page. It is stored as a **PageObjectSpace** structure (section 2.1.10). The revision that specifies this object space MUST be labeled with revision role 0x1 and MUST NOT be labeled with the default context, as specified in [MS-ONESTORE].

2.1.18 VersionHistoryObjectSpace

A **VersionHistoryObjectSpace** is an object space that specifies the version history pages for a page. The revision that specifies this object space MUST be labeled with revision role 0x1 and an ExtendedGUID context of {{7111497f-1b6b-4209-9491-c98b04cf4c5a}, 1} as defined in [MS-ONESTORE].

The root objects for the object space MUST be as follows. The default content root object MUST be a **jcidVersionHistoryContent** structure (section 2.2.37). The metadata root object MUST be a **jcidVersionHistoryMetaData** structure (section 2.2.40).

2.2 Complex Types

The following structures define the properties (section 2.1.12), property sets (section 2.1.13), and data types that are used by this file format.

2.2.1 ListFont

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNumberListNode

The **ListFont** simple type is a string that specifies the name of the **font** for the text of a bullet or number list item. MUST be set for bulleted lists. If this property is not set, jcidNumberListNode**.Font** MUST be set and specifies the font instead.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the name of the font.

2.2.2 RgOutlineIndentDistance

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableCellNode, jcidOutlineNode

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The **RgOutlineIndentDistance** simple type specifies the indentation of outline elements (section 1.3.2.2). This value MUST be set.

Child Elements:

count: An unsigned 8-bit integer that specifies the count of items in the **rgIndents** element.

unused: An unsigned 24-bit integer that is undefined and MUST be ignored.

rgIndents: An array of floating-point numbers that specifies the indentation distance, in half-inch increments, of each outline level in the outline. The first value specifies the indentation of outline elements at the first outline level, the second value specifies the indentation of outline elements at the second outline level, and so forth. This array MUST NOT contain more than 255 elements.

2.2.3 NoteTagLabel

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNoteTagSharedDefinitionContainer

The **NoteTagLabel** simple type is a string that specifies the label for a normal note tag. The length of the value MUST be from 1 through 199 characters. This value MUST be set.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the label for the normal note tag.

2.2.4 EmbeddedFileContainer

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidEmbeddedFileNode

The **EmbeddedFileContainer** simple type specifies an **ObjectID** structure (section 2.1.6) that references a **jcidEmbeddedFileContainer** structure (section 2.2.33), which in turn specifies the binary data for an embedded file.

Child Elements:

jcidEmbeddedFileContainer: A **jcidEmbeddedFileContainer** structure that specifies the binary data for the embedded file.

2.2.5 RichEditTextUnicode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidRichTextOENode, jcidEmbeddedFileNode

The **RichEditTextUnicode** simple type is a string that specifies the text for an object. By default, objects do not contain any text.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the text for an object.

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2.2.6 Highlight

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidParagraphStyleObjectForText

The **Highlight** simple type specifies the highlight color for text. By default, text is not highlighted.

Child Elements:

Color: A **COLORREF** element (section 2.2.7) that specifies the highlight color for text.

2.2.7 Color

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: NotebookColor

The **Color** structure is an unsigned integer that specifies the color of a notebook.

Child Elements:

a: An unsignedByte that specifies the alpha component of the color.

r: An unsignedByte that specifies the red component of the color.

g: An unsignedByte that specifies the green component of the color.

b: An unsignedByte that specifies the blue component of the color.

2.2.8 COLORREF

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: FontColor, Highlight, NoteTagHighlightColor, NoteTagTextColor

The **COLORREF** structure is an unsigned integer that specifies an **red-green-blue (RGB)** color value. This value MUST be from "0x00000000" through "0x00FFFFFF", or equal to "0xFF000000". If the value is from "0x00000000" through "0x00FFFFFF", it specifies an RGB color value. If the value is "0xFF000000", it specifies an automatic color value. The following list describes the meaning of each byte of the integer.

Child Elements:

a: An unsigned byte that MUST be "0x00" or "0xFF". A value of "0xFF" indicates that the color is determined automatically and the subsequent three bytes MUST all be "0x00". A value of "0x00" indicates that the subsequent three bytes specify the color values to use.

b: An unsigned byte that specifies the relative intensity of blue.

g: An unsigned byte that specifies the relative intensity of green.

r: An unsigned byte that specifies the relative intensity of red.

2.2.9 WzInAtom

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: FolderChildFilename, Author, ImageAltText, ImageFilename, RichEditTextUnicode, WzHyperlinkUrl, NextStyle, ParagraphStyleId, ListFont, EmbeddedFileName, SourceFilepath, CachedTitleStringFromPage, CachedTitleString, SectionDisplayName, ConflictingUserName, ConflictingUserInitials, NoteTagLabel

The **WzInAtom** structure contains a null-terminated **Unicode** string.

Child Elements:

wz: A null-terminated Unicode string.

2.2.10 ArrayOfUINT8s

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: TextExtendedAscii

The **ArrayOfUINT8s** structure contains an array of unsigned bytes.

Child Elements:

rgUINT8: An array of unsigned bytes.

2.2.11 ArrayOfUINT32s

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: MetaDataObjectsAboveGraphSpace, TextRunFormatting, TextRunIndex, TextRunDataObject, StructureElementChildNodes, VersionHistoryGraphSpaceContextNodes

The **ArrayOfUINT32s** structure contains an array of unsigned integers.

Child Elements:

rgUINT32: An array of unsigned integers.

2.2.12 GuidInAtom

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ArrayOfGuids, FileIdentityGuid, NotebookManagementEntityGuid, AudioRecordingGuid

The **GuidInAtom** structure contains a **GUID**, as specified in [MS-DTYP].

Child Elements:

guid: A GUID, as specified in [MS-DTYP].

2.2.13 ArrayOfGuids

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: AudioRecordingGuids

The **ArrayOfGuids** structure specifies an array of **GUIDs**, as specified in [MS-DTYP].

Child Elements:

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rgGuids: An array of GUIDs, as specified in [MS-DTYP] section 2.3.2.

2.2.14 jcidPersistablePropertyContainerForTOC

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidPersistablePropertyContainerForToc** structure specifies the properties of a notebook (section 1.3.4) and is contained in a table-of-contents (TOC) file (section 2.1.15). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00020001".

Child Elements:

TOCEntryIndex_OidIndex: A **TOCEntryIndex_OidIndex** element (section 2.2.96) that specifies child elements of the notebook. A child element can be a section (section 1.3.1) or a subdirectory of the directory that contains the TOC file.

NotebookColor: A **NotebookColor** element (section 2.2.95) that specifies the color of the notebook.

EnableHistory: An EnableHistory (section 2.3.103) element that specifies whether version history pages (section 2.1.17) can be associated with the notebook.

2.2.15 jcidPersistablePropertyContainerForTOCSection

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: TOCEntryIndex_OidIndex

The **jcidPersistablePropertyContainerForTOCSection** structure specifies the properties of a section (section 1.3.1) and is contained in a table-of-contents (TOC) file (section 2.1.15). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00020001".

Child Elements:

FileIdentityGuid: A **FileIdentityGuid** element (section 2.2.93) that specifies the identifier of the section.

NotebookElementOrderingID: A **NotebookElementOrderingID** element (section 2.3.102) that specifies the position of the section in the notebook (section 1.3.4).

FolderChildFilename: A **FolderChildFilename** element (section 2.2.94) that specifies the name of the section.

NotebookColor: A **NotebookColor** element (section 2.2.95) that specifies the color of the section. If the value is 0xFFFFFFFF, the color is undefined and MUST be ignored.

2.2.16 jcidReadOnlyPersistablePropertyContainerForAuthor

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: AuthorOriginal, AuthorMostRecent

The **jcidReadOnlyPersistablePropertyContainerForAuthor** structure specifies information about an author. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is 0x00120001.

Child Elements:

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Author: An **Author** element (section 2.2.67) that specifies the author of the object.

2.2.17 jcidSectionNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidSectionNode** structure specifies the properties of a section (section 1.3.1). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060007".

Child Elements:

NotebookManagementEntityGuid: A **NotebookManagementEntityGuid** element (section 2.2.58) that specifies the identifier of the section. This value SHOULD<1> be ignored.

ElementChildNodes: An ElementChildNodesOfSection element (section 2.2.48) that specifies the child nodes of the section.

TopologyCreationTimeStamp: A **TopologyCreationTimeStamp** element (section 2.3.32) that specifies when the section was created.

2.2.18 jcidPageSeriesNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ElementChildNodesOfSection

The **jcidPageSeriesNode** structure specifies the properties of a series of pages (section 1.3.2). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060008".

Child Elements:

NotebookManagementEntityGuid: A **NotebookManagementEntityGuid** element (section 2.2.58) that specifies the identifier of the page series.

ChildGraphSpaceElementNodes: A **ChildGraphSpaceElementNodes** (section 2.2.65) element that specifies the child **PageObjectSpace** elements (section 2.1.10) of the page series.

TopologyCreationTimeStamp: A **TopologyCreationTimeStamp** element (section 2.3.32) that specifies when the page series was created.

MetaDataObjectsAboveGraphSpace: A **MetaDataObjectsAboveGraphSpace** element (section 2.2.81) that specifies **jcidPageMetaData** nodes (section 2.2.30) for each page in the page series.

2.2.19 jcidPageNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ContentChildNodesOfPageManifest

The **jcidPageNode** structure specifies the properties of a page (section 1.3.2). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x0006000B".

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the page was last changed.

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ElementChildNodes: An **ElementChildNodes** element (section 2.2.49) that specifies the child nodes of the page.

StructureElementChildNodes: A **StructureElementChildNodes** element (section 2.2.64) that specifies the **jcidTitleNode** structure (section 2.2.29) for the page.

PortraitPage: A **PortraitPage** element (section 2.3.37) that specifies the orientation of the page.

PageWidth: A **PageWidth** element (section 2.3.6) that specifies the width of the page in half-inch increments.

PageHeight: A **PageHeight** element (section 2.3.7) that specifies the height of the page in half-inch increments.

PageMarginOriginX: A **PageMarginOriginX** (section 2.3.59) element that specifies the horizontal origin of the page margins.

PageMarginOriginY: A **PageMarginOriginY** (section 2.3.60) element that specifies the vertical origin of the page margins.

PageMarginLeft: A **PageMarginLeft** element (section 2.3.30) that specifies the width of the left margin of the page in half-inch increments.

PageMarginRight: A **PageMarginRight** element (section 2.3.31) that specifies the width of the right margin of the page in half-inch increments.

PageMarginTop: A **PageMarginTop** element (section 2.3.28) that specifies the width of the top margin of the page in half-inch increments.

PageMarginBottom: A **PageMarginBottom** element (section 2.3.29) that specifies the width of the bottom margin of the page in half-inch increments.

CachedTitleStringFromPage: A **CachedTitleStringFromPage** element (section 2.2.63) that specifies, as a string, the alternative title of the page.

Author: An **Author** element (section 2.2.67) that specifies the author of the page.

LayoutResolveChildCollisions: A **LayoutResolveChildCollisions** element (section 2.3.47) that specifies whether the layout resolves collisions between outlines on the page.

PageSize: A **PageSize** element (section 2.3.36) that specifies the size of the page.

IsConflictPage: An **IsConflictPage** element (section 2.3.68) that specifies whether the page is a conflict page (section 2.1.2).

EditRootRTL: An **EditRootRTL** element (section 2.3.39) that specifies whether the page uses a **right-to-left** layout.

IsReadOnly: An **IsReadOnly** element (section 2.3.48) that specifies whether the page is read-only.

Deletable: A Deletable element that specifies whether the page can be deleted. MUST be set if **IsConflictPage** is set to **true**. Otherwise MUST NOT be set.

AudioRecordingGuids: An AudioRecordingGuids element that specifies every audio and video recording on this page.

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2.2.20 jcidOutlineNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ElementChildNodesOfPage, ElementChildNodesOfTitle

The **jcidOutlineNode** structure specifies the properties of an outline (section 1.3.2.1). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x0006000C".

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the outline was last changed.

ElementChildNodes: An **ElementChildNodesOfOutline** element (section 2.2.51) that specifies the child nodes of the outline.

EnforceOutlineStructure: An **EnforceOutlineStructure** element (section 2.3.38) that specifies whether the outline has a strict indentation structure. This value MUST be **true** if the value of the **IsTitleText** element (section 2.3.42) is **true**.

OutlineElementChildLevel: An **OutlineElementChildLevel** element (section 2.3.8) that specifies the indentation level of child nodes of the outline.

LayoutMaxHeight: A **LayoutMaxHeightInOutline** element (section 2.3.24) that specifies the height of the outline.

LayoutOutlineReservedWidth: A **LayoutOutlineReservedWidth** element (section 2.3.46) that specifies the suggested maximum width of the outline before text in the outline wraps. This value MUST NOT be set if text in the outline is already wrapping.

IsLayoutSizeSetByUser: An **IsLayoutSizeSetByUser** element (section 2.3.44) that specifies whether the value of the **LayoutMaxWidth** element (section 2.3.21) of the outline was set explicitly by the user.

ListSpacingMu: A **ListSpacingMu** element (section 2.3.45) that specifies the horizontal distance between a list bullet or number and the text that is associated with that bullet or number.

RgOutlineIndentDistance: A **RgOutlineIndentDistance** element (section 2.2.2) that specifies the indentation of each level in the outline.

BodyTextAlignment: A **BodyTextAlignment** element (section 2.3.17) that specifies the alignment of body text in the outline.

LayoutAlignmentInParent: A **LayoutAlignmentInParent** element (section 2.3.27) that specifies the alignment of the outline.

LayoutAlignmentSelf: A **LayoutAlignmentSelf** element (section 2.3.33) that specifies the alignment of both the outline and all of the outline elements within it.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the outline is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the outline is a conflict object (section 2.1.1) that can be selected.

Deletable: A **Deletable** element (section 2.3.57) that specifies whether the outline can be deleted. MUST be set if **IsTitleDate** is set to **true**; otherwise, MUST NOT be set.

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LayoutTightLayout: A **LayoutTightLayout** element (section 2.3.5) that specifies whether the size of the outline is intended to increase when a user interacts with it.

IsTitleDate: An **IsTitleDate** element (section 2.3.42) that specifies whether the outline contains the date that is associated with the page title (section 2.1.16).

CannotBeSelected: A **CannotBeSelected** element (section 2.3.40) that specifies whether the outline can be selected.

IsTitleText: An **IsTitleText** element (section 2.3.41) that specifies whether the outline contains the text of the page title (section 2.1.16).

DescendantsCannotBeMoved: A **DescendantsCannotBeMoved** element (section 2.3.51) that specifies whether descendants of the outline can be moved.

LayoutMinimumOutlineWidth: A **LayoutMinimumOutlineWidth** element (section 2.3.49) that specifies the minimum permissible width of the outline.

OffsetFromParentHoriz: An **OffsetFromParentHoriz** element (section 2.3.18) that specifies the horizontal offset between the outline and the page origin (section 2.3.59).

OffsetFromParentVert: An **OffsetFromParentVert** element (section 2.3.19) that specifies the vertical offset between the outline and the page origin (section 2.3.60).

LayoutMaxWidth: A **LayoutMaxWidthInOutline** element (section 2.3.22) that specifies the width of the outline.

LayoutTightAlignment: A **LayoutTightAlignment** element (section 2.3.54) that specifies whether the outline is aligned tightly. This value MUST be **true** if the value of the **IsTitleText** element is **true**.

IsReadOnly: An **IsReadOnly** element (section 2.3.48) that specifies whether the outline is read-only.

2.2.21 jcidOutlineElementNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ElementChildNodesOfOutline, ElementChildNodesOfOutlineElement, ElementChildNodesOfTableCell

The **jcidOutlineElementNode** structure specifies the properties of an outline element (section 1.3.2.2). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x0006000D".

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the outline element was last changed.

ElementChildNodes: An **ElementChildNodesOfOutlineElement** element (section 2.2.52) that specifies the child nodes of the outline element.

ContentChildNodes: A **ContentChildNodesOfOutlineElement** element (section 2.2.46) that specifies the content of the outline element.

ListNodes: A **ListNodes** element (section 2.2.57) that specifies the **jcidNumberListNode** child elements (section 2.2.25) that are contained within the outline element.

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ListSpacingMu: A **ListSpacingMu** element (section 2.3.45) that specifies the horizontal distance between a list bullet or number and the text that is associated with that bullet or number.

OutlineElementChildLevel: An **OutlineElementChildLevel** element (section 2.3.8) that specifies the indentation level of all child nodes, relative to the outline element.

AuthorOriginal: An **AuthorOriginal** element (section 2.2.68) that specifies an **ObjectID** structure (section 2.1.6) , which in turn references a **jcidReadOnlyPersistablePropertyContainerForAuthor** structure (section 2.2.16) that stores information about the original author of the outline element.

AuthorMostRecent: An **AuthorMostRecent** element (section 2.2.69) that specifies an **ObjectID** structure (section 2.1.6), which in turn references a **jcidReadOnlyPersistablePropertyContainerForAuthor** structure (section 2.2.16) that stores information about the author who most recently edited the outline element.

CreationTimeStamp: A **CreationTimeStamp** element (section 2.3.56) that specifies when the outline element was created.

OutlineElementRTL: An **OutlineElementRTL** element (section 2.3.25) that specifies whether the text in the outline element is displayed as right-to-left.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the outline element is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the outline element is a conflict object (section 2.1.1) that can be selected.

Deletable: A **Deletable** element (section 2.3.57) that specifies whether the outline element can be deleted. MUST be set if the outline element is contained by a jcidOutlineNode with IsTitleDate set to **true**; otherwise, MUST NOT be set.

CannotBeSelected: A **CannotBeSelected** element (section 2.3.40) that specifies whether the outline element can be selected.

IsTitleText: An **IsTitleText** element (section 2.3.41) that specifies whether the outline element contains the text of the page title (section 2.1.16).

2.2.22 jcidOutlineGroup

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ElementChildNodesOfOutline, ElementChildNodesOfOutlineElement

The **jcidOutlineGroup** structure specifies the properties of an outline group. An outline group is used for cases in which the first outline element (section 1.3.2.2) in an outline has a greater indentation level than a subsequent outline element. In such cases, the **jcidOutlineGroup** structure is used in combination with the **OutlineElementChildLevel** property (section 2.3.8) to add the extra level of indentation. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060019".

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the outline group was last changed.

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ElementChildNodes: An **ElementChildNodesOfOutline** element (section 2.2.51) that specifies the child nodes of the outline group.

OutlineElementChildLevel: An **OutlineElementChildLevel** element (section 2.3.8) that specifies the indentation level of all child nodes, relative to the outline group.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the outline group is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the outline group is a conflict object (section 2.1.1) that can be selected.

2.2.23 jcidRichTextOENode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ContentChildNodesOfOutlineElement

The **jcidRichTextOENode** structure specifies the properties of an outline element (section 1.3.2.2) that contains **rich text**. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x0006000E".

The text for an outline element is specified by either **RichEditTextUnicode** or **TextExtendedAscii**. If only one of these properties is set, the property that is set specifies the text for the outline element. If both properties are set, **RichEditTextUnicode** specifies the text for the outline element, and the value of **TextExtendedAscii** is undefined and MUST be ignored. If neither property is set, the outline element does not contain any text.

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the outline element was last changed.

LayoutTightLayout: A **LayoutTightLayout** element (section 2.3.5) that specifies whether the outline element is intended to increase in size when a user interacts with it.

TextRunFormatting: A **TextRunFormatting** element (section 2.2.77) that specifies the formatting of each text run in the outline element.

TextRunIndex: A **TextRunIndex** element (section 2.2.76) that specifies the character positions (CPs), as defined in section 2.1.4, where text runs end in the outline element.

ParagraphStyle: A **ParagraphStyle** element (section 2.2.80) that specifies the style of text in the outline element.

ParagraphSpaceBefore: A ParagraphSpaceBefore element that specifies the minimum amount of space to immediately precede the text in the outline element.

ParagraphSpaceAfter: A ParagraphSpaceAfter element that specifies the minimum amount of space to immediately follow the text in the outline element.

ParagraphLineSpacingExact: A ParagraphLineSpacingExact element that specifies the line spacing to use between lines of text in the outline element .

ParagraphAlignment: A ParagraphAlignment element that specifies the alignment of the text in the outline element.

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IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the outline element is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the outline element is a conflict object (section 2.1.1) that can be selected.

RichEditTextUnicode: A **RichEditTextUnicode** element (section 2.2.5) that specifies the text in the outline element. The string MUST NOT contain any characters of the value 10 (line feed).

TextExtendedAscii: A **TextExtendedAscii** (section 2.2.89) element that specifies the text in the outline element if **RichEditTextUnicode** is not set. If **RichEditTextUnicode** is set, **TextExtendedAsciii** is undefined and MUST be ignored.

IsTitleTime: An **IsTitleTime** element (section 2.3.34) that specifies whether the outline element contains the time in the page title (section 2.1.16).

IsBoilerText: An **IsBoilerText** element (section 2.3.35) that specifies whether the outline element contains boilerplate text.

IsTitleDate: An **IsTitleDate** element (section 2.3.42) that specifies whether the outline element contains the date in the page title (section 2.1.16).

IsTitleText: An **IsTitleText** element (section 2.3.41) that specifies whether the outline element contains the text of the page title (section 2.1.16).

Deletable: A Deletable element that specifies whether the outline element can be deleted. MUST be set if either **IsTitleTime** or **IsTitleDate** is set to **true**; otherwise, MUST NOT be set.

LayoutAlignmentInParent: A **LayoutAlignmentInParent** element (section 2.3.27) that specifies the alignment of the outline element, relative to the outline element that contains it.

LayoutAlignmentSelf: A **LayoutAlignmentSelf** element (section 2.3.33) that specifies the alignment of the outline element.

IsReadOnly: An **IsReadOnly** element (section 2.3.48) that specifies whether the outline element is read-only.

TextRunData: A **TextRunData** element (section 2.2.90) that specifies the property sets (section 2.1.13) that modify text runs in the outline element.

TextRunDataObject: A TextRunDataObject element that specifies data objects associated with text runs.

RichEditTextLangID: A **RichEditTextLangID** element (section 2.3.53) that specifies the **language code identifier (LCID)**, as defined in [MS-LCID], of the outline element.

ReadingOrderRTL: A **ReadingOrderRTL** element (section 2.3.93) that specifies whether the reading order of the outline element is right-to-left.

NoteTagStates: A **NoteTagStates** element (section 2.2.88) that specifies the state properties of each note tag (section 2.1.9) on the outline element.

2.2.24 jcidImageNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ElementChildNodesOfPage, ContentChildNodesOfOutlineElement

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The **jcidImageNode** structure specifies the properties of an image node. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060011".

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the image was last changed.

PictureContainer: A **PictureContainer** element (section 2.2.59) that specifies the binary data for the image. MUST be set if **ImageUploadState** is zero (complete). Otherwise MUST NOT be set.

LayoutMaxWidth: A **LayoutMaxWidth** element (section 2.3.21) that specifies the width to display the image.

LayoutMaxHeight: A **LayoutMaxHeight** element (section 2.3.23) that specifies the height to display the image.

IsLayoutSizeSetByUser: An **IsLayoutSizeSetByUser** element (section 2.3.44) that specifies whether the value of the **LayoutMaxWidth** element (section 2.3.21) of the image was explicitly set by the user.

LanguageID: A **LanguageID** element (section 2.3.26) that specifies the language code identifier (LCID), as defined in [MS-LCID], for optical character recognition of the image. MUST be set if **ImageUploadState** is zero (complete). Otherwise, MUST NOT be set.

ImageAltText: An **ImageAltText** element (section 2.2.79) that specifies alternative text for the image.

WebPictureContainer14: A **WebPictureContainer14** element (section 2.3.98) that specifies the image to display when the content is viewed by using a Web browser.

LayoutAlignmentInParent: A **LayoutAlignmentInParent** element (section 2.3.27) that specifies the alignment of the image relative to its containing outline element. If the image is not contained by a jcidOutlineElementNode, this property is undefined and MUST be ignored.

LayoutAlignmentSelf: A **LayoutAlignmentSelf** element (section 2.3.33) that specifies the alignment of the image.

ImageFilename: An **ImageFilename** element (section 2.2.75) that specifies the file name of the image.

DisplayedPageNumber: A **DisplayedPageNumber** element (section 2.3.95) that specifies the displayed page number of the image.

RichEditTextUnicode: A RichEditTextUnicode element that specifies the text for the image.

RichEditTextLangID: A **RichEditTextLangID** element (section 2.3.53) that specifies the LCID, as defined in [MS-LCID], of the text for the image specified by **RichEditTextUnicode**.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the image is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the image is a conflict object (section 2.1.1) that can be selected.

ImageUploadState: An **ImageUploadState** (section 2.3.99) element that specifies the state of the binary data for the image.

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PictureWidth: A **PictureWidth** (section 2.3.100) element that specifies the width of the image.

PictureHeight: A **PictureHeight** (section 2.3.101) element that specifies the height of the image.

WzHyperlinkUrl: A **WzHyperlinkUrl** (section 2.2.78) element that specifies the hyperlink associated with the image.

NoteTagStates: A NoteTagStates element that specifies the note tags set on the image.

OffsetFromParentHoriz: An OffsetFromParentHoriz element that specifies the horizontal offset from the page origin to the image. MUST be set if the image is directly contained by the jcidPageNode; otherwise, MUST NOT be set if the image is contained by a jcidOutlineElementNode.

OffsetFromParentVert: An OffsetFromParentVert element that specifies the vertical offset from the page origin to the image. MUST be set if the image is directly contained by the jcidPageNode; otherwise, MUST NOT be set if the image is contained by a jcidOutlineElementNode.

IsBackground: An IsBackground element that specifies whether the image is a background image. MUST NOT be set unless the image is directly contained by the jcidPageNode.

2.2.25 jcidNumberListNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ListNodes

The **jcidNumberListNode** structure specifies the properties of a numbered list item or a bulleted list item. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060012".

The list item is a numbered list if the **ListFormat** string contains the numbering character "0xFFFD". Otherwise, the list item is a bulleted list.

The font for the text in the list item is specified by either the **ListFont** or **Font** property, whichever is set. Exactly one of these properties MUST be set; they MUST NOT both be set.

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the list item was last changed.

ListFont: A **ListFont** element (section 2.2.1) that specifies the name of the font for the symbol of the bulleted or numbered list item. This property MUST be set for bulleted list items.

ListRestart: A **ListRestart** element (section 2.3.43) that specifies a numeric value that overrides the automatic number value of the list item.

ListMSAAIndex: A **ListMSAAIndex** element (section 2.3.58) that specifies the index of the accessibility string for the list item.

NumberListFormat: A **NumberListFormat** element (section 2.3.20) that specifies the format of the number or bullet for the list item.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the list item is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the list item is a conflict object (section 2.1.1) that can be selected.

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Bold: A **Bold** element (section 2.3.9) that specifies whether to apply bold formatting to the number of the list item. This value MUST be set only for numbered lists.

Italic: An **Italic** element (section 2.3.10) that specifies whether to apply italic formatting to the number of the list item. This value MUST be set only for numbered lists.

LanguageID: A **LanguageID** element (section 2.3.26) that specifies the language code identifier (LCID), as defined in [MS-LCID], of the list item. This value MUST be set only for numbered lists.

Font: A **Font** element (section 2.3.15) that specifies the name of the font for the text of the list item. This value MUST NOT be set for bulleted lists.

FontSize: A **FontSize** element (section 2.3.16) that specifies the font size of the number or bullet for the list item.

FontColor: A **FontColor** element (section 2.2.45) that specifies the font color of the number or bullet for the list item.

2.2.26 jcidTableNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ContentChildNodesOfOutlineElement

The **jcidTableNode** structure specifies the properties of a table. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060022".

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the table was last changed.

ElementChildNodes: An **ElementChildNodesOfTable** element (section 2.2.53) that specifies the child nodes of the table.

RowCount: A **RowCount** element (section 2.3.63) that specifies the number of rows in the table.

ColumnCount: A **ColumnCount** element (section 2.3.64) that specifies the number of columns in the table.

TableColumnsLocked: A **TableColumnsLocked** element (section 2.2.70) that specifies which columns in the table have a locked width.

TableColumnWidths: A **TableColumnWidths** element (section 2.2.66) that specifies the width of each column in the table.

TableBordersVisible: A **TableBordersVisible** element (section 2.3.65) that specifies whether to display borders in the table.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the table is displayed as a conflict object (section 2.1.1).

LayoutAlignmentInParent: A LayoutAlignmentInParent element that specifies the alignment of the table.

LayoutAlignmentSelf: A LayoutAlignmentSelf element that specifies the alignment of the table and its cells.

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NoteTagStates: A NoteTagStates element that specifies the note tags set on the table.

2.2.27 jcidTableRowNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ElementChildNodesOfTable

The **jcidTableRowNode** structure specifies the properties of a table row. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060023".

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the table row was last changed.

ElementChildNodes: An **ElementChildNodesOfTableRow** element (section 2.2.54) that specifies the child nodes of the table row.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the table row is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the table row is a conflict object (section 2.1.1) that can be selected.

2.2.28 jcidTableCellNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ElementChildNodesOfTableRow

The **jcidTableCellNode** structure specifies the properties of a table cell. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060024".

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the table cell was last changed.

ElementChildNodes: An **ElementChildNodesOfTableCell** element (section 2.2.55) that specifies the child nodes of the table cell.

EnforceOutlineStructure: An **EnforceOutlineStructure** element (section 2.3.38) that specifies indentation restrictions on outline elements (section 1.3.2.2) in the table cell. This value MUST be **true**.

OutlineElementChildLevel: An **OutlineElementChildLevel** element (section 2.3.8) that specifies the indentation level of all child nodes, relative to the table cell. This value MUST be "0x01".

LayoutMaxWidth: A **LayoutMaxWidthInOutline** element (section 2.3.22) that specifies the width of the table cell.

RgOutlineIndentDistance: A **RgOutlineIndentDistance** element (section 2.2.2) that specifies the indentation size for each outline (section 1.3.2.1) indent level in the table cell.

BodyTextAlignment: A **BodyTextAlignment** element (section 2.3.17) that specifies alignment for body text in the table cell.

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IsReadOnly: An **IsReadOnly** element (section 2.3.48) that specifies whether the table cell is read-only.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the table cell is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the table cell is a conflict object (section 2.1.1) that can be selected.

2.2.29 jcidTitleNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidTitleNode** structure specifies the properties of a page title (section 2.1.16). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x0006002C".

A **StructureElementChildNodesOfPage** structure (section 2.2.64) MUST NOT contain more than one **jcidTitleNode** structure.

Child Elements:

LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the title was last changed.

ElementChildNodes: An **ElementChildNodesOfTitle** element (section 2.2.50) that specifies the child nodes of the title.

OffsetFromParentHoriz: An **OffsetFromParentHoriz** element (section 2.3.18) that specifies the horizontal offset of the title from the page origin.

OffsetFromParentVert: An **OffsetFromParentVert** element (section 2.3.19) that specifies the vertical offset of the title from the page origin.

LayoutCollisionPriority: A **LayoutCollisionPriority** element (section 2.3.50) that specifies the layout collision priority of the title.

LayoutAlignmentInParent: A **LayoutAlignmentInParent** element (section 2.3.27) that specifies the alignment of the title.

LayoutAlignmentSelf: A **LayoutAlignmentSelf** element (section 2.3.33) that specifies the alignment of the title and all of the nodes within it.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the title is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the title is a conflict object (section 2.1.1) that can be selected.

2.2.30 jcidPageMetaData

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidPageMetaData** structure specifies the properties of a page metadata node. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00020030".

Child Elements:

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NotebookManagementEntityGuid: A **NotebookManagementEntityGuid** element (section 2.2.58) that specifies the identifier of the page.

CachedTitleString: A **CachedTitleString** element (section 2.2.62) that specifies, as a string, the title (section 2.1.16) of the page.

SchemaRevisionInOrderToRead: A **SchemaRevisionInOrderToRead** element (section 2.3.69) that specifies the version of the page.

SchemaRevisionInOrderToWrite: A **SchemaRevisionInOrderToWrite** element (section 2.3.97) that specifies the version of the page.

PageLevel: A **PageLevel** element (section 2.3.74) that specifies the page level of the page in a page series.

HasVersionPages: A **HasVersionPages** element (section 2.3.84) that specifies whether version history pages (section 2.1.17) are associated with the page.

TopologyCreationTimeStamp: A **TopologyCreationTimeStamp** element (section 2.3.32) that specifies the time when the page was created.

HasConflictPages: A **HasConflictPages** element (section 2.3.71) that specifies whether conflict pages (section 2.1.2) are associated with the page.

IsDeletedGraphSpaceContent: An **IsDeletedGraphSpaceContent** element (section 2.3.73) that specifies whether the page is marked as deleted.

2.2.31 jcidSectionMetaData

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidSectionMetaData** structure specifies the properties of a section metadata node. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00020031".

Child Elements:

SchemaRevisionInOrderToRead: A **SchemaRevisionInOrderToRead** element (section 2.3.69) that specifies the version of the section.

SchemaRevisionInOrderToWrite: A **SchemaRevisionInOrderToWrite** element (section 2.3.97) that specifies the version of the section.

SectionDisplayName: A **SectionDisplayName** (section 2.2.91) element that specifies the display name of the section.

NotebookColor: A NotebookColor element that specifies the color of the section. MUST be set.

2.2.32 jcidEmbeddedFileNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ContentChildNodesOfOutlineElement, ElementChildNodesOfPage

The **jcidEmbeddedFileNode** structure specifies the properties of an embedded file. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set is "0x00060035".

Child Elements:

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LastModifiedTime: A **LastModifiedTime** element (section 2.3.67) that specifies when the embedded file was last changed.

PictureContainer: A **PictureContainer** element (section 2.2.59) that specifies the binary data for the icon that is associated with the embedded file. MUST be set.

LayoutMaxWidth: A **LayoutMaxWidth** element (section 2.3.21) that specifies the width to display the embedded file icon.

LayoutMaxHeight: A LayoutMaxHeight element that specifies the height to display the embedded file icon.

IsLayoutSizeSetByUser: An **IsLayoutSizeSetByUser** element (section 2.3.44) that specifies whether the value of the **LayoutMaxWidth** element was set explicitly by the user for the embedded file.

LanguageID: A **LanguageID** element (section 2.3.26) that specifies the language code identifier (LCID), as defined in [MS-LCID], of the embedded file. MUST be set.

RichEditTextUnicode: A **RichEditTextUnicode** element (section 2.2.5) that specifies the text representation of the embedded file. MUST be set. The string MUST NOT contain any characters of the value 10 (line feed) or 13 (carriage return).

LayoutAlignmentInParent: A **LayoutAlignmentInParent** element (section 2.3.27) that specifies the alignment of the embedded file relative to its containing outline element. If the embedded file is not contained by a jcidOutlineElementNode, this property is undefined and MUST be ignored.

LayoutAlignmentSelf: A **LayoutAlignmentSelf** element (section 2.3.33) that specifies the alignment of the embedded file.

EmbeddedFileContainer: An **EmbeddedFileContainer** element (section 2.2.4) that specifies the data of the embedded file.

EmbeddedFileName: An **EmbeddedFileName** element (section 2.2.71) that specifies the name of the embedded file.

SourceFilepath: A **SourceFilepath** element (section 2.2.72) that specifies the path to the original file.

IRecordMedia: An **IRecordMedia** element (section 2.3.62) that specifies the type of audio or video recording that is stored in the embedded file.

RichEditTextLangID: A **RichEditTextLangID** element (section 2.3.53) that specifies the LCID, as defined in [MS-LCID], of the text for the embedded file specified by **RichEditTextUnicode**.

IsConflictObjectForRender: An **IsConflictObjectForRender** element (section 2.3.70) that specifies whether the embedded file is displayed as a conflict object (section 2.1.1).

IsConflictObjectForSelection: An **IsConflictObjectForSelection** element (section 2.3.72) that specifies whether the embedded file is a conflict object (section 2.1.1) that can be selected.

PictureWidth: A **PictureWidth** (section 2.3.100) element that specifies the width of the embedded file icon.

PictureHeight: A **PictureHeight** (section 2.3.101) element that specifies the height of the embedded file icon.

NoteTagStates: A NoteTagStates element that specifies the note tags for the embedded file.

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OffsetFromParentHoriz: An OffsetFromParentHoriz element that specifies the horizontal offset from the page origin to the embedded file. MUST be set if the embedded file is directly contained by the jcidPageNode; otherwise, MUST NOT be set if the embedded file is contained by a jcidOutlineElementNode

OffsetFromParentVert: An OffsetFromParentVert element that specifies the vertical offset from the page origin to the embedded file. MUST be set if the embedded file is directly contained by the jcidPageNode; otherwise, MUST NOT be set if the embedded file is contained by a jcidOutlineElementNode

AudioRecordingGuid: An AudioRecordingGuid element that specifies a unique identifier for this audio or video file.

AudioRecordingDuration: An AudioRecordingDuration element that specifies the duration of the audio or video file.

2.2.33 jcidEmbeddedFileContainer

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: EmbeddedFileContainer

The **jcidEmbeddedFileContainer** structure specifies a reference to a file data object (section 2.1.5) that contains the binary data for an embedded file. The value of the **JCID** element, as specified in [MS-ONESTORE], for this file data object is "0x00080036".

Child Elements:

data: An **ObjectDeclarationFileDataWithRefCountFNDX** structure, as defined in [MS-ONESTORE], that specifies a reference to the data for the embedded file.

2.2.34 jcidPageManifestNode

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidPageManifestNode** structure specifies the properties of a page manifest. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x00060037".

Child Elements:

ContentChildNodes: A **ContentChildNodesOfPageManifest** element (section 2.2.47) that specifies the content child nodes of the page manifest.

ChildGraphSpaceElementNodes: A **ChildGraphSpaceElementNodes** element (section 2.2.65) that specifies the conflict pages that are associated with the page. This property MUST NOT be set on the page manifest nodes of conflict pages. By default, pages do not have conflict pages associated with them.

VersionHistoryGraphSpaceContextNodes: A **VersionHistoryGraphSpaceContextNodes** element (section 2.2.86) that specifies a **ContextID** structure (section 2.1.3) for the version history associated with the page.

2.2.35 jcidConflictPageMetaData

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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The **jcidConflictPageMetaData** structure specifies the properties of a conflict page (section 2.1.2). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x00020038".

Child Elements:

NotebookManagementEntityGuid: A **NotebookManagementEntityGuid** element (section 2.2.58) that specifies the identifier of the conflict page.

ConflictingUserName: A **ConflictingUserName** element (section 2.2.73) that specifies the name of the user that generated the conflict page.

CachedTitleString: A **CachedTitleString** element (section 2.2.62) that specifies, as a string, the title (section 2.1.16) of the page.

SchemaRevisionInOrderToRead: A **SchemaRevisionInOrderToRead** element (section 2.3.69) that specifies the version of the conflict page.

SchemaRevisionInOrderToWrite: A **SchemaRevisionInOrderToWrite** element (section 2.3.97) that specifies the version of the conflict page.

PageLevel: A **PageLevel** element (section 2.3.74) that specifies the page level of the page in a page series.

TopologyCreationTimeStamp: A **TopologyCreationTimeStamp** element (section 2.3.32) that specifies when the conflict page was created.

ConflictingUserInitials: A **ConflictingUserInitials** element (section 2.2.74) that specifies the initials of the user that generated the conflict page.

2.2.36 jcidPictureContainer14

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: PictureContainer

The **jcidPictureContainer14** structure specifies a reference to a file data object (section 2.1.5) that contains the binary data for an image. The value of the **JCID** element, as specified in [MS-ONESTORE], for this file data object is 0x00080039.

Child Elements:

data: An **ObjectDeclarationFileDataWithRefCountFNDX** structure, as defined in [MS-ONESTORE], that specifies a reference to the binary data for the image file. The referenced file data object MUST reference a file that is in one of the following formats:

- **Device-independent bitmap (DIB)**
- Enhanced Metafile Format (EMF)
- **Joint Photographic Experts Group (JPEG)**
- **Portable Network Graphics (PNG)**
- **TIFF**
- **Windows Metafile Format (WMF)**

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2.2.37 jcidVersionHistoryContent

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidVersionHistoryContent** structure specifies the properties of a set of version history pages (section 2.1.17). All of the version history pages that are associated with a **jcidPageManifestNode** structure are descendants of this structure. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x0006003C".

Child Elements:

ElementChildNodes: An **ElementChildNodesOfVersionHistory** element (section 2.2.56) that specifies the version history pages within the set of version history pages.

2.2.38 jcidVersionProxy

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ElementChildNodesOfVersionHistory

The **jcidVersionProxy** structure specifies the properties of a version history page (section 2.1.17). The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x0006003D".

Child Elements:

VersionContextNodes: A **VersionContextNodes** element (section 2.2.87) that specifies the version history page.

LastModifiedTimeStamp: A **LastModifiedTimeStamp** element (section 2.3.66) that specifies when the content within the version history page was last modified.

AuthorMostRecent: An **AuthorMostRecent** element (section 2.2.69) that specifies the author who most recently changed content that generated a change to the version history page.

CreationTimeStamp: A CreationTimeStamp element that specifies when the version history page was created.

2.2.39 jcidRevisionMetaData

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidRevisionMetaData** structure specifies the metadata properties of a revision object in a OneNote revision store, as specified in [MS-ONESTORE]. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x00020044".

Child Elements:

LastModifiedTimeStamp: A **LastModifiedTimeStamp** element (section 2.3.66) that specifies when the revision object was last modified. SHOULD<2> be set.

AuthorMostRecent: An **AuthorMostRecent** element (section 2.2.69) that specifies the author who most recently changed the object. SHOULD<3> be set.

2.2.40 jcidVersionHistoryMetaData

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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The **jcidVersionHistoryMetaData** structure specifies the properties of a version history object metadata node. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x00020046".

Child Elements:

SchemaRevisionInOrderToRead: A **SchemaRevisionInOrderToRead** element (section 2.3.69) that specifies the schema version of the version history object.

SchemaRevisionInOrderToWrite: A **SchemaRevisionInOrderToWrite** element (section 2.3.97) that specifies the schema version of the version history object.

2.2.41 jcidNoteTagSharedDefinitionContainer

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidNoteTagSharedDefinitionContainer** structure specifies the shared properties of a normal note tag (section 2.1.9). This structure MUST NOT be used for task tags. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x00120043".

Child Elements:

NoteTagLabel: A **NoteTagLabel** element (section 2.2.3) that specifies the label for the note tag.

NoteTagPropertyStatus: A **NoteTagPropertyStatus** element (section 2.3.87) that specifies the status of the note tag.

NoteTagShape: A **NoteTagShape** element (section 2.3.86) that specifies the type of icon to display for the note tag.

ActionItemSchemaVersion: An **ActionItemSchemaVersion** element (section 2.3.92) that is reserved for future use. MUST be set to zero.

NoteTagHighlightColor: A **NoteTagHighlightColor** element (section 2.2.84) that specifies the highlight color to apply to the note tag.

NoteTagTextColor: A **NoteTagTextColor** element (section 2.2.85) that specifies the color of the text in the note tag.

ActionItemType: An **ActionItemType** element (section 2.3.85) that specifies the identity of the note tag.

2.2.42 NoteTagState

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **NoteTagState** structure specifies the definition and state of a note tag (section 2.1.9). The definition of a normal tag is specified by the **NoteTagDefinitionOid** property. The definition of a task tag is specified by the **ActionItemType** and **NoteTagShape** properties. All other properties of the **NoteTagState** structure specify the state of the note tag.

Child Elements:

NoteTagCreated: A **NoteTagCreated** element (section 2.3.89) that specifies when the note tag was created.

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NoteTagCompleted: A **NoteTagCompleted** element (section 2.3.90) that specifies when the note tag was marked complete.

ActionItemStatus: An **ActionItemStatus** element (section 2.3.91) that specifies the status of the note tag.

ActionItemType: An **ActionItemType** element (section 2.3.85) that specifies the identity of the note tag. This value MUST be set for a task tag. It MUST NOT be set for a normal note tag.

NoteTagPropertyStatus: A **NoteTagPropertyStatus** element (section 2.3.87) that specifies the status of the note tag. This value MUST be set for a task tag. It MUST NOT be set for a normal note tag.

NoteTagShape: A **NoteTagShape** element (section 2.3.86) that specifies the type of icon to display for the note tag. This value MUST be set for a task tag. It MUST NOT be set for a normal note tag.

ActionItemSchemaVersion: An **ActionItemSchemaVersion** element (section 2.3.92) that is reserved for future use. This value MUST be "0x00" for a task tag. It MUST NOT be set for a normal note tag.

TaskTagDueDate: A **TaskTagDueDate** element (section 2.3.88) that specifies the due date for the note tag. This value MUST be set for a task tag. It MUST NOT be set for a normal note tag.

NoteTagDefinitionOid: A NoteTagDefinitionOid element that specifies a reference to a property set that specifies the properties of a normal note tag. MUST be set for a normal note tag. MUST NOT be set for a task tag.

2.2.43 jcidParagraphStyleObjectForText

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **jcidParagraphStyleObjectForText** structure specifies text formatting information for a specific text run. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x0012004D".

Child Elements:

Bold: A **Bold** element (section 2.3.9) that specifies whether the text is bold.

Charset: A **Charset** element (section 2.3.55) that specifies the **character set (1)** of the text.

Italic: An **Italic** element (section 2.3.10) that specifies whether the text is italicized.

Underline: An **Underline** element (section 2.3.11) that specifies whether the text is underlined.

UnderlineType: An **UnderlineType** element (section 2.3.78) that specifies the type of underline to use, if the value of the **Underline** element is **true**.

Strikethrough: A **Strikethrough** element (section 2.3.12) that specifies whether the text is displayed with strike-through formatting.

Superscript: A **Superscript** element (section 2.3.13) that specifies whether the text is superscript.

Subscript: A **Subscript** element (section 2.3.14) that specifies whether the text is subscript.

Font: A **Font** element (section 2.3.15) that specifies the name of the font name of the text.

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FontSize: A **FontSize** element (section 2.3.16) that specifies the size of the text.

FontColor: A **FontColor** element (section 2.2.45) that specifies the color of the text.

Highlight: A **Highlight** element (section 2.2.6) that specifies the highlight color of the text.

LanguageID: A **LanguageID** element (section 2.3.26) that specifies language code identifier (LCID), as defined in [MS-LCID], of the text. MUST be set.

MathFormatting: A **MathFormatting** element (section 2.3.80) that specifies whether the text is formatted as a mathematical expression.

Hyperlink: A **Hyperlink** element (section 2.3.75) that specifies whether the text is a hyperlink.

Hidden: A **Hidden** element (section 2.3.76) that specifies whether the text is displayed.

HyperlinkProtected: A **HyperlinkProtected** element (section 2.3.77) that specifies whether the text is the display text for a hyperlink.

TextRunIsEmbeddedObject: A **TextRunIsEmbeddedObject** element (section 2.3.79) that specifies whether the text is an embedded object that is formatted as rich text.

2.2.44 jcidParagraphStyleObject

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: ParagraphStyle

The **jcidParagraphStyleObject** structure specifies a set of properties that define a **style** for the text of a paragraph. The value of the **JCID** element, as specified in [MS-ONESTORE], for this property set (section 2.1.13) is "0x0012004D".

Child Elements:

Bold: A **Bold** element (section 2.3.9) that specifies whether the text of the paragraph is bold.

Italic: An **Italic** element (section 2.3.10) that specifies whether the text of the paragraph is italicized.

Underline: An **Underline** element (section 2.3.11) that specifies whether the text of the paragraph is underlined.

UnderlineType: An **UnderlineType** element (section 2.3.78) that specifies the type of underline to use, if the value of the **Underline** element is **true**.

Strikethrough: A **Strikethrough** element (section 2.3.12) that specifies whether the text is displayed with strike-through formatting.

Superscript: A **Superscript** element (section 2.3.13) that specifies whether the text is superscript.

Subscript: A **Subscript** element (section 2.3.14) that specifies whether the text is subscript.

Font: A **Font** element (section 2.3.15) that specifies the font name of the text.

FontSize: A **FontSize** element (section 2.3.16) that specifies the size of the text.

FontColor: A **FontColor** element (section 2.2.45) that specifies the color of the text.

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Highlight: A **Highlight** element (section 2.2.6) that specifies the highlight color of the text.

NextStyle: A **NextStyle** element (section 2.2.92) that specifies the default style of the next paragraph.

ParagraphStyleId: A **ParagraphStyleId** element (section 2.2.83) that specifies the style of paragraph text.

ParagraphAlignment: A **ParagraphAlignment** element (section 2.3.94) that specifies the alignment of the paragraph.

ParagraphSpaceBefore: A **ParagraphSpaceBefore** element (section 2.3.81) that specifies the minimum amount of space to immediately precede the paragraph.

ParagraphSpaceAfter: A **ParagraphSpaceAfter** element (section 2.3.82) that specifies the minimum amount of space to immediately follow the paragraph.

ParagraphLineSpacingExact: A ParagraphLineSpacingExact element that specifies the line spacing to use between lines of text in the paragraph.

2.2.45 FontColor

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidNumberListNode, jcidParagraphStyleObjectForText

The **FontColor** structure specifies the color of text. By default, this color is the default text color defined by the operating system.

Child Elements:

Color: A **COLORREF** element (section 2.2.8) that specifies the color of the text.

2.2.46 ContentChildNodesOfOutlineElement

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode

The **ContentChildNodesOfOutlineElement** structure is an array of **ObjectID** structures (section 2.1.6) that specifies the child content nodes of a **jcidOutlineElementNode** structure (section 2.2.21). The array MUST be set and MUST contain exactly one **ObjectID** structure, which SHOULD<4> reference one of the following structures. If the referenced object is not one of the following structures, the **ContentChildNodesOfOutlineElement** structure MUST be ignored and MUST be written to the file as it was read.

Child Elements:

jcidRichTextOENode: A **jcidRichTextOENode** element (section 2.2.23) that specifies a child node that contains rich text.

jcidTableNode: A **jcidTableNode** element (section 2.2.26) that specifies a child node that contains a table.

jcidImageNode: A **jcidImageNode** element (section 2.2.24) that specifies a child node that contains an image.

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jcidEmbeddedFileNode: A **jcidEmbeddedFileNode** element (section 2.2.32) that specifies a child node that contains an embedded file.

2.2.47 ContentChildNodesOfPageManifest

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageManifestNode

The **ContentChildNodesOfPageManifest** structure is an array of **ObjectID** structures (section 2.1.6) that specifies the child content nodes of a **jcidPageManifestNode** structure (section 2.2.34). This array MUST be set, the array MUST contain exactly one element, and the element MUST be a **jcidPageNode** element.

Child Elements:

jcidPageNode: A **jcidPageNode** element (section 2.2.19) that specifies a child node that contains a page (section 1.3.2).

2.2.48 ElementChildNodesOfSection

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidSectionNode

The **ElementChildNodesOfSection** structure is an array of **ObjectID** structures (section 2.1.6) that reference a page series that is contained in a section (section 1.3.1). By default, a section does not contain a page series. Each **ObjectID** structure in the array MUST reference a **jcidPageSeriesNode** structure.

Child Elements:

jcidPageSeriesNode: An array of **jcidPageSeriesNode** elements (section 2.2.18) that specifies a page series for the section.

2.2.49 ElementChildNodesOfPage

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **ElementChildNodesOfPage** structure is an array of **ObjectID** structures (section 2.1.6) that specifies the content that is contained directly in a page (section 1.3.2). By default, a page does not contain content directly. Each **ObjectID** structure SHOULD<5> reference one of the following structures. If the referenced object is not one of the following structures, the **ElementChildNodesOfPage** structure SHOULD be ignored and SHOULD be written to the file as it was read.

Child Elements:

jcidImageNode: A jcidImageNode element that specifies an image that is on the page and is not in an outline (section 1.3.2.1).

jcidOutlineNode: A **jcidOutlineNode** element (section 2.2.20) that specifies an outline that is on the page.

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jcidEmbeddedFileNode: A jcidEmbeddedFileNode element that specifies an embedded file that is on the page.

2.2.50 ElementChildNodesOfTitle

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTitleNode

The **ElementChildNodesOfTitle** structure is an array of **ObjectID** structures (section 2.1.6) that references outline nodes (section 1.3.2.1) that are contained in a title (section 2.1.16). There MUST be exactly one or two **ObjectID** structures in the array, and each **ObjectID** structure MUST reference a **jcidOutlineNode** element.

Child Elements:

jcidOutlineNode: A **jcidOutlineNode** element (section 2.2.20) that specifies an outline that is contained in the title.

2.2.51 ElementChildNodesOfOutline

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineNode, jcidOutlineGroup

The **ElementChildNodesOfOutline** structure is an array of **ObjectID** structures (section 2.1.6) that specifies the child outline nodes of an outline (section 1.3.2.1). It MUST be set and MUST contain at least one **ObjectID** structure that references a **jcidOutlineElementNode** element. In addition, each **ObjectID** structure in the array MUST reference one of the following structures.

Child Elements:

jcidOutlineGroup: A **jcidOutlineGroup** element (section 2.2.22) that specifies a group of outlines that are contained in the outline.

jcidOutlineElementNode: A **jcidOutlineElementNode** element (section 2.2.21) that specifies an outline element that is contained in the outline.

2.2.52 ElementChildNodesOfOutlineElement

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode

The **ElementChildNodesOfOutlineElement** structure is an array of **ObjectID** structures (section 2.1.6) that specifies child nodes of a **jcidOutlineElementNode** outline element node (section 1.3.2.2). By default, a **jcidOutlineElementNode** outline element node does not contain content. Each **ObjectID** structure in the array MUST reference one of the following structures.

Child Elements:

jcidOutlineGroup: A **jcidOutlineGroup** element (section 2.2.22) that specifies a group of outline elements that are contained in the current outline element.

jcidOutlineElementNode: A **jcidOutlineElementNode** element (section 2.2.21) that specifies a child outline element that is contained in the current outline element. There MUST be at least one

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jcidOutlineElementNode element if the **jcidOutlineGroup** element is present for the current outline element.

2.2.53 ElementChildNodesOfTable

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableNode

The **ElementChildNodesOfTable** structure is an array of **ObjectID** structures (section 2.1.6) that specifies rows in a table. There MUST be at least one **ObjectID** structure in the array and the number of elements in the array MUST be equal to the value of the **RowCount** element of the **jcidTableNode** structure (section 2.2.26) for the table. In addition, each **ObjectID** structure in the array MUST reference a **jcidTableRowNode** element.

Child Elements:

jcidTableRowNode: A **jcidTableRowNode** element (section 2.2.27) that specifies a row in the table.

2.2.54 ElementChildNodesOfTableRow

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableRowNode

The **ElementChildNodesOfTableRow** structure is an array of **ObjectID** structures (section 2.1.6) that specifies cells in a table row. There MUST be at least one **ObjectID** structure in the array and the number of elements in the array MUST be equal to the value of the **ColumnCount** element of the closest ancestor **jcidTableNode** structure (section 2.2.26). In addition, each **ObjectID** structure in the array MUST reference a **jcidTableCellNode** element.

Child Elements:

jcidTableCellNode: A **jcidTableCellNode** element (section 2.2.28) that specifies a cell in the table row.

2.2.55 ElementChildNodesOfTableCell

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableCellNode

The **ElementChildNodesOfTableCell** structure is an array of **ObjectID** structures (section 2.1.6) that specifies outline elements (section 1.3.2.2) in a table cell. The array MUST contain at least one **ObjectID** structure and each **ObjectID** structure in the array MUST reference a **jcidOutlineElementNode** element.

Child Elements:

jcidOutlineElementNode: A **jcidOutlineElementNode** element (section 2.2.21) that specifies an outline element in the table cell.

2.2.56 ElementChildNodesOfVersionHistory

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidVersionHistoryContent

The **ElementChildNodesOfVersionHistory** structure is an array of **ObjectID** structures (section 2.1.6) that specifies proxy nodes for a version history page (section 2.1.17). There MUST be at least one **ObjectID** structure in the array and each **ObjectID** structure in the array MUST reference a **jcidVersionProxy** element.

Child Elements:

jcidVersionProxy: A **jcidVersionProxy** element (section 2.2.38) that specifies a proxy node for the version history page.

2.2.57 ListNodes

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode

The **ListNodes** structure is an array of **ObjectID** structures (section 2.1.6) that specifies the child **jcidNumberListNode** elements of an outline element (section 1.3.2.2).

Child Elements:

jcidNumberListNode: A **jcidNumberListNode** element (section 2.2.25) that specifies a child list node of the outline element.

2.2.58 NotebookManagementEntityGuid

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidSectionNode, jcidPageSeriesNode, jcidPageMetaData, jcidConflictPageMetaData

The **NotebookManagementEntityGuid** structure specifies a GUID, as defined in [MS-DTYP], for an object. The GUID can be used to construct a hyperlink to a page (section 1.3.2). It MUST NOT be used to construct a hyperlink to a section (section 1.3.1). This value MUST be set.

Child Elements:

guid: A **GuidInAtom** element (section 2.2.12) that specifies the identifier of the object.

2.2.59 PictureContainer

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidEmbeddedFileNode

The **PictureContainer** structure is an **ObjectID** structure (section 2.1.6) that SHOULD<6> reference a **jcidPictureContainer14** element containing the binary data for an image. By default, images do not contain any data.

Child Elements:

jcidPictureContainer14: A **jcidPictureContainer14** element (section 2.2.36) that specifies the binary data for the image.

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2.2.60 AudioRecordingGuid

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidEmbeddedFileNode

The **AudioRecordingGuid** specifies a unique identifier of an audio or video recording. This property MUST be set if the file extension is one of the following:

- .wma
- .mp3
- .wav
- .wmv
- .avi
- .mpg

Otherwise, this property MUST NOT be set.

Child Elements:

guid: A **GuidInAtom** element (section 2.2.12) that specifies the identifier of the audio or video recording. This value MUST be a valid GUID, as specified in [MS-DTYP]. This value MUST NOT be {00000000-0000-0000-0000-000000000000}.

2.2.61 AudioRecordingGuids

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **AudioRecordingGuids** specifies an array of identifiers to audio or video recordings.

Child Elements:

arrayofguids: An ArrayOfGuids element that specifies an array of GUIDs, as specified in [MS-DTYP]. For each element in the array, there MUST exist a jcidEmbeddedFileNode contained by this page where the value of the **AudioRecordingGuid** property equals the value of this element.

2.2.62 CachedTitleString

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageMetaData, jcidConflictPageMetaData

The **CachedTitleString** structure specifies, as a string, the title (section 2.1.16) of a page. This value MUST be set.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the title of the page.

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2.2.63 CachedTitleStringFromPage

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **CachedTitleStringFromPage** structure specifies, as a string, an alternate title (section 2.1.16) of a page. The alternate title is used if the actual page title is empty. This value MUST be set to an empty string if a **jcidRichTextOENode** structure (section 2.2.23) exists for the page and it specifies a value of **true** for the **IsTitleText** element and a non-empty value for the **RichEditTextUnicode** element.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the alternate title of the page.

2.2.64 StructureElementChildNodes

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **StructureElementChildNodes** structure specifies the **ObjectID** structure (section 2.1.6) of the title node (section 2.1.16) for a page. By default, a page does not have a title node.

Child Elements:

oid: An array of **ObjectID** structures that MUST contain exactly one element and MUST reference a **jcidTitleNode** element (section 2.2.29).

2.2.65 ChildGraphSpaceElementNodes

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageSeriesNode, jcidPageManifestNode

The **ChildGraphSpaceElementNodes** structure is an array of ObjectSpaceIDs where each element in the array references the data for a page. This array MUST contain at least one element.

This property MUST be set on jcidPageSeriesNode structures. When set on a jcidPageSeriesNode structure, each element in the array MUST reference a PageObjectSpace which specifies the data for a page.

If this property is set on a jcidPageManifestNode structure, then each element in the array MUST reference a ConflictPageObjectSpace which specifies the data for a conflict page. By default, page manifests do not contain references to conflict pages.

Child Elements:

ObjectSpace: An ObjectSpaceID (section 2.1.7) that specifies a reference to an Object Space ([MS-ONESTORE] section 2.1.4) containing the data for a page.

2.2.66 TableColumnWidths

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableNode

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The **TableColumnWidths** structure specifies the widths of columns in a table. This value MUST be set.

Child Elements:

cColumns: An unsigned 8-bit integer that specifies the number of elements in the **rgdxColumnMu** element. The value of this element MUST be equal to the number of columns in the table.

rgdxColumnMu: An array of floating point numbers that specifies the width, in half-inch increments, of each column in the table. Each value of the array MUST be greater than or equal to 1.0.

2.2.67 Author

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidReadOnlyPersistablePropertyContainerForAuthor, jcidPageNode

The **Author** structure specifies, as a string, the name of the author of an object. This value MUST be set.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the name of the author.

2.2.68 AuthorOriginal

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode

The **AuthorOriginal** structure specifies the original author of an object.

Child Elements:

jcidPersistablePropertyContainer: An **ObjectID** structure (section 2.1.6) that references a **jcidReadOnlyPersistablePropertyContainerForAuthor** structure (section 2.2.16), which in turn specifies the original author of the object. This value MUST be set.

2.2.69 AuthorMostRecent

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode, jcidVersionProxy, jcidRevisionMetaData

The **AuthorMostRecent** structure specifies the author who most recently edited an object.

Child Elements:

jcidPersistablePropertyContainer: An **ObjectID** structure (section 2.1.6) that references a **jcidReadOnlyPersistablePropertyContainerForAuthor** structure (section 2.2.16), which in turn specifies the author who most recently edited the object. This value MUST be set.

2.2.70 TableColumnsLocked

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidTableNode

The **TableColumnsLocked** structure specifies which columns in a table have locked widths and do not resize automatically to fit table content. By default, column widths are not locked.

Child Elements:

cColumns: An unsignedByte that specifies the number of used bits in **rgfColumnLocked**. MUST be equal to the value of jcidTableNode**.ColumnCount**.

rgfColumnLocked: An array of unsignedBytes where each bit in the array specifies whether a column width in the table is locked. The number of bytes in the array is equal to **cColumns** / 8, rounded up to the nearest byte. The lock status for column *c* is given by "**rgfColumnLocked**[*c* / 8] & (1 << (*c* % 8))". Excess bits in the array are undefined and MUST be ignored.

2.2.71 EmbeddedFileName

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidEmbeddedFileNode

The **EmbeddedFileName** structure specifies, as a string, the name of a file that is embedded in a page. By default, this name is the name, not including the file path, of the source file when the file was embedded.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the name of the embedded file.

2.2.72 SourceFilepath

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidEmbeddedFileNode

The **SourceFilepath** structure specifies, as a string, the original location of a file that is embedded in a page, when it was embedded in the page. By default, the original location of the embedded file is not stored.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the full path and file name of the original location of the embedded file.

2.2.73 ConflictingUserName

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidConflictPageMetaData

The **ConflictingUserName** structure specifies, as a string, the user who generated a conflict page (section 2.1.2). MUST be set.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the name of the user who generated the conflict page.

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2.2.74 ConflictingUserInitials

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidConflictPageMetaData

The **ConflictingUserInitials** structure specifies, as a string, the initials of the user who generated a conflict page (section 2.1.2). MUST be set.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the initials of the user who generated the conflict page.

2.2.75 ImageFilename

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode

The **ImageFilename** structure specifies, as a string, the name of a file that was inserted into a page as an image. By default, an image does not have a file name and this property is not set.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the name of the image file.

2.2.76 TextRunIndex

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

The **TextRunIndex** structure specifies the character positions (CPs) (section 2.1.4) where text runs end in a paragraph. The number of text runs equals the count of elements in the **rgIndices.rgUINT32** element plus 1.

Each CP is an index into a corresponding **RichEditTextUnicode** structure (section 2.2.5). The value of each CP MUST be greater than the previous CP and it MUST be from zero through the length of the string.

Each text run spans **rgIndices.rgUINT32**[*n* – 1] through **rgIndices.rgUINT32**[*n*], where *n* is the zero-based number of the text run, except the first text run, which begins at a CP that is equal to zero, and the last text run, which ends at the end of the string. By default, there is only one text run in a paragraph.

Child Elements:

rgIndices: An **ArrayOfUINT32s** structure (section 2.2.11) in which each **rgUINT32** element is a CP that specifies where a text run ends. The number of **rgUINT32** elements MUST be the number of elements in the **TextRunFormatting.rgFormattingIDs.rgUINT32** element minus 1.

2.2.77 TextRunFormatting

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

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The **TextRunFormatting** structure specifies the formatting properties of each text run in a paragraph that is specified by a **TextRunIndex** structure (section 2.2.76). By default, a paragraph consists of one text run and the **rgFormattingIDs.rgUINT32** element contains one element.

Child Elements:

rgFormattingIDs: An array of **ObjectID** structures (section 2.1.6) that specifies the structures containing the formatting information for each text run. Each **ObjectID** in the array MUST reference a **jcidParagraphStyleObjectForText** structure (section 2.2.43) that contains formatting information for the text run. The number of **rgUINT32** elements MUST be the number of elements in the **TextRunIndex.rgIndices.rgUINT32** element plus 1, or exactly 1, if values are not set in the **TextRunIndex** structure.

2.2.78 WzHyperlinkUrl

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode

The **WzHyperlinkUrl** structure specifies, as a string, the hyperlink associated with an object. By default, objects do not have hyperlinks associated with them.

Child Elements:

wz: A WzInAtom element that specifies the hyperlink.

2.2.79 ImageAltText

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode

The **ImageAltText** structure specifies, as a string, the alternative text for an image. By default, an image does not have alternative text.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies alternative text for the image.

2.2.80 ParagraphStyle

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

The **ParagraphStyle** structure specifies the formatting characteristics of a paragraph.

Child Elements:

jcidParagraphStyleObject: An **ObjectID** structure (section 2.1.6) that SHOULD<7> reference a **jcidParagraphStyleObject** structure (section 2.2.44), which in turn specifies the formatting characteristics of the paragraph. This value SHOULD<8> be set.

2.2.81 MetaDataObjectsAboveGraphSpace

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidPageSeriesNode

The **MetaDataObjectsAboveGraphSpace** structure is an array of **ObjectID** structures (section 2.1.6) that reference **jcidPageMetaData** structures (section 2.2.30). This structure facilitates access to information about the pages (section 1.3.2) in a page series.

Each **PageObjectSpace** structure (section 2.1.10) in a **jcidPageSeriesNode** structure (section 2.2.18) SHOULD<9> be identical to a corresponding **jcidPageMetaData** structure that is referenced by this array. By default, a page series does not have any page metadata.

Child Elements:

rgOIDs: An array of **ObjectID** structures. The value of the corresponding **GlobalID** structure, as specified in [MS-ONESTORE], for each **ObjectID** MUST be equal to the XOR value of the corresponding **GlobalID** of the **jcidPageNode** (section 2.2.19) and the metadata salt GUID, "{ 0x22a8c031, 0x3600, 0x42ee, { 0xb7, 0x14, 0xd7, 0xac, 0xda, 0x24, 0x35, 0xe8 } }".

2.2.82 TextRunDataObject

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

The **TextRunDataObject** structure specifies an array of ObjectID structures, where each **ObjectID** references a data object associated with a text run in a paragraph.

Text runs are specified by the TextRunIndex structure. If this property is not set, there are no data objects associated with any text runs. Otherwise, the number of elements in the **rgOIDs** array MUST be equal to the number of text runs. By default, there are no data objects associated with any text runs

Child Elements:

rgOIDs: An array of **ObjectID** structures. Each element in the array SHOULD<10> be zero, and the data for these objects SHOULD be ignored. If an **ObjectID** is encountered that is not zero, the value of the element and the object referenced by the element MUST be persisted with the text run.

2.2.83 ParagraphStyleId

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject

The **ParagraphStyleId** structure specifies, as a string, the name of the style that is applied to text in a paragraph. By default, this style is "Normal".

Child Elements:

wz: A **WzInAtom** element that specifies the name of the style of text in the current paragraph.

2.2.84 NoteTagHighlightColor

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNoteTagSharedDefinitionContainer

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The **NoteTagHighlightColor** structure specifies the highlight color for text in a paragraph, if the text is tagged as a normal note tag (section 2.1.9). By default, a note tag does not affect the highlight color of text and this property is not set.

Child Elements:

Color: A **COLORREF** element (section 2.2.8) that specifies the highlight color for text in the note tag.

2.2.85 NoteTagTextColor

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNoteTagSharedDefinitionContainer

The **NoteTagTextColor** structure specifies the color of text in a paragraph, if the text is tagged as a normal note tag (section 2.1.9). By default, a note tag does not affect the color of text and this property is not set.

Child Elements:

Color: A **COLORREF** element (section 2.2.8) that specifies the color of text in the note tag.

2.2.86 VersionHistoryGraphSpaceContextNodes

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageManifestNode

The **VersionHistoryGraphSpaceContextNodes** structure is an array of **ObjectSpaceOfVersionHistory** elements (section 2.3.3) that specifies the version history object space (section 2.1.18) that is associated with a parent page. By default, pages are not associated with a version history object space.

Child Elements:

ctxID: An array of **ObjectSpaceOfVersionHistory** elements that specifies version history pages associated with the parent page. This array MUST contain exactly one element.

2.2.87 VersionContextNodes

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidVersionProxy

The **VersionContextNodes** structure is an array of **ObjectSpaceOfVersion** elements(section 2.3.4) that specifies a version history page that is associated with a parent page.

Child Elements:

ObjectSpace: An array of **ObjectSpaceOfVersion** elements that specifies the version history page associated with the parent page. This array MUST contain exactly one element.

2.2.88 NoteTagStates

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidImageNode, jcidRichTextOENode, jcidTableNode, jcidEmbeddedFileNode

The **NoteTagStates** structure specifies an array of property sets. Each element in the array specifies the definition and state of a note tag (section 2.1.9). By default, objects do not contain any note tags and this property is not set.

Child Elements:

ArrayOfPropertyValues: A **prtArrayOfPropertyValues** structure, as specified in [MS-ONESTORE] section 2.6.9. Each element in the array is a property set that specifies the definitions and states of the note tags. The number of elements in the array MUST NOT be greater than nine. Each element of the array MUST be a **NoteTagState** (section 2.2.42) structure. For each element in the array, the value of the ActionItemType property MUST be unique within the array, regardless of whether **ActionItemType** is set for a task tag (specified by NoteTagState**.ActionItemType**) or for a normal tag (specified by jcidNoteTagSharedDefinitionContainer**.ActionItemType** for the object referenced by NoteTagState**.NoteTagDefinitionOid**)..

2.2.89 TextExtendedAscii

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

The **TextExtendedAscii** structure specifies, as a non-null-terminated extended **ASCII** string, the text for an outline element. This string MUST NOT contain any characters of the value 10 (line feed). By default, outline elements do not contain any text.

Child Elements:

sz: An **ArrayOfUINT8s** (section 2.2.10) element that specifies a non-null-terminated extended ASCII string.

2.2.90 TextRunData

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

The **TextRunData** structure specifies an array of property sets (section 2.1.13), where each element in the array modifies the corresponding text run in a paragraph.

Text runs are specified by a **TextRunIndex** structure (section 2.2.76). If this property is not set, there are no property sets that modify any text runs. Otherwise, the number of elements in the **ArrayOfPropertyValues** element MUST be equal to the number of text runs. By default, there are no property sets that modify any text runs.

Child Elements:

ArrayOfPropertyValues: A **prtArrayOfPropertyValues** structure, as specified in [MS-ONESTORE] section 2.6.9. Each element in the array is a property set that specifies the data for the text runs in the paragraph. Each property set SHOULD<11> be empty, and the properties within the set SHOULD be ignored. If a non-empty property set is encountered, the property set MUST be persisted with the text run.

2.2.91 SectionDisplayName

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidSectionMetaData

The **SectionDisplayName** element specifies, as a string, the display name of the section. If set, this element overrides the **FolderChildFilename** element (section 2.2.94). By default, the display name of the section is specified by the file name of the section on disk.

Child Elements:

wz: A WzInAtom element that specifies, as a string, the display name of the section.

2.2.92 NextStyle

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject

The **NextStyle** structure specifies, as a string, the default style of text for a paragraph that immediately follows the current paragraph. By default, the style is the same as the current paragraph.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the name of the default style for the paragraph that immediately follows the current paragraph. The value MUST match the **ParagraphStyleId** (section 2.2.83) element of an existing **ParagraphStyle** (section 2.2.80) structure.

2.2.93 FileIdentityGuid

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPersistablePropertyContainerForTOCSection

The **FileIdentityGuid** structure specifies a unique identifier of a section (section 1.3.1). This value MUST be set.

Child Elements:

guid: A **GuidInAtom** element (section 2.2.12) that specifies the identifier of the section. This value MUST be a valid GUID, as specified in [MS-DTYP], and it MUST be equal to the value of the **Header.guidFile** element, as specified in [MS-ONESTORE], for the section.

2.2.94 FolderChildFilename

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPersistablePropertyContainerForTOCSection

The **FolderChildFilename** structure specifies, as a string, the name of a section (section 1.3.1). This value is used when the file name of the section file on disk is not available, otherwise the file name overrides this value. This value MUST be set.

Child Elements:

wz: A **WzInAtom** element (section 2.2.9) that specifies the name of the section.

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2.2.95 NotebookColor

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPersistablePropertyContainerForTOCSection, jcidPersistablePropertyContainerForTOC, jcidSectionMetaData

The **NotebookColor** structure specifies the color of a notebook (section 1.3.4) or a section (section 1.3.1). By default, neither a notebook nor a section has a color.

Child Elements:

Color: A **Color** element (section 2.2.7) that specifies the color of the notebook or section.

2.2.96 TOCEntryIndex_OidIndex

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPersistablePropertyContainerForTOC

The **TOCEntryIndex_OidIndex** structure is an array of **ObjectID** structures (section 2.1.6) that specifies the child **jcidPersistablePropertyContainerForTOCSection** elements (section 2.2.15) of a notebook (section 1.3.4).

Child Elements:

jcidPersistablePropertyContainerForTOCSection: A **jcidPersistablePropertyContainerForTOCSection** element that specifies a child section node of the notebook.

2.3 Simple Types

The following types define the properties (section 2.1.12) and data types for property sets (section 2.1.13) that are used by this file format.

2.3.1 Time32

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode, jcidVersionProxy, NoteTagState

The **Time32** simple type is an unsigned integer that specifies a date and time. A value of "0x00000000" specifies 12:00 A.M., January 1, 1980, **Coordinated Universal Time (UTC)**. Each increment of one offsets one second from that time. This value MUST be set.

2.3.2 LayoutAlignment

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidRichTextOENode, jcidTableNode, jcidEmbeddedFileNode, jcidOutlineNode, jcidTitleNode

The **LayoutAlignment** simple type is an unsigned integer that specifies the alignment of content. The meaning of the different bits is defined in the following table. If the entire structure is zero, this **LayoutAlignment** type is undefined and MUST be ignored. By default, the vertical alignment is top, and the horizontal alignment is left for left-to-right pages and right for right-to-left pages.

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Child Elements:

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
lha			A	unused1												B	C		D	unused3										E	

lha (3 bits): An unsigned integer that specifies the horizontal alignment of the content within the parent node. It MUST be one of the following values:

Value	Description
1	Left.
2	Center.
3	Right.
4	Left, if the page is left-to-right; right, if the page is right-to-left.
5	Right, if the page is left-to-right; left, if the page is right-to-left.

A - fHorizMargin (1 bit): A bit that specifies whether the content is aligned to the left or right margin of the page. The alignment depends on the direction of text on the page.

Value	Page direction	Alignment
0	Left to right.	Right
0	Right to left.	Left
1	Left to right.	Left
1	Right to left.	Right

unused1 (12 bits): Undefined. This value MUST be zero and it MUST be ignored.

B - lva (1 bit): A bit that specifies the vertical alignment of the content within the parent node.

Value	Description
0	Bottom
1	Top

C - unused2 (2 bits): Undefined. This value MUST be zero and it MUST be ignored.

D - fVertMargin (1 bit): A bit that specifies whether the content is aligned to the top or bottom of the page margin.

Value	Description
0	Bottom margin.
1	Top margin.

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unused3 (11 bits): Undefined. This value MUST be zero and it MUST be ignored.

E - laNil (1 bit): A bit that specifies whether the value of the **LayoutAlignment** type is valid. If this value is **true**, the value specified by the **LayoutAlignment** type is undefined and MUST be ignored.

2.3.3 ObjectSpaceOfVersionHistory

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

The **ObjectSpaceOfVersionHistory** simple type is a **ContextID** structure (section 2.1.3) that references a **VersionHistoryObjectSpace** structure (section 2.1.18), which in turn specifies the version history pages (section 2.1.17) that are associated with a parent page.

2.3.4 ObjectSpaceOfVersion

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: VersionContextNodes

The **ObjectSpaceOfVersion** simple type is a **ContextID** structure (section 2.1.3) that references a **PageObjectSpace** structure (section 2.1.10), which in turn specifies a version of a parent page.

2.3.5 LayoutTightLayout

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode, jcidOutlineNode

The **LayoutTightLayout** simple type is a Boolean that specifies whether the size of an object increases when a user interacts with the object. This value MUST be set to **true** if the object is contained by a **jcidTitleNode** structure (section 2.2.29), and the value of the **IsTitleDate** element (section 2.3.42) or the **IsTitleTime** element (section 2.3.41) is **true**; otherwise, this value MUST NOT be set.

2.3.6 PageWidth

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageWidth** simple type is a floating-point number that specifies the width of a page in half-inch increments. This value MUST be from "2.0" through "44.0", and it MUST be greater than or equal to: **jcidPageNode.PageMarginLeft** + **jcidPageNode**.**PageMarginRight** + 2

2.3.7 PageHeight

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageHeight** simple type is a floating-point number that specifies the height of a page in half-inch increments. This value MUST be from "0.5" through "44.0", and it MUST be greater than or equal to: **jcidPageNode**.**PageMarginTop** + **jcidPageNode**.**PageMarginBottom** + .5

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2.3.8 OutlineElementChildLevel

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineGroup, jcidOutlineElementNode, jcidTableCellNode, jcidOutlineNode

The **OutlineElementChildLevel** simple type is an unsigned byte that specifies the relative indentation level of child outline elements (section 1.3.2.2). This value MUST be set. In addition, it MUST be greater than or equal to "0x01" and MUST NOT exceed "0x1F".

2.3.9 Bold

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidNumberListNode, jcidParagraphStyleObjectForText

The **Bold** simple type is a Boolean that specifies whether text is bold. By default, text is not bold.

2.3.10 Italic

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidNumberListNode, jcidParagraphStyleObjectForText

The **Italic** simple type is a Boolean that specifies whether text is italicized. By default, text is not italicized.

2.3.11 Underline

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidParagraphStyleObjectForText

The **Underline** simple type is a Boolean that specifies whether text is underlined. By default, text is not underlined.

2.3.12 Strikethrough

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidParagraphStyleObjectForText

The **Strikethrough** simple type is a Boolean that specifies whether text is displayed with strike-through formatting. By default, text is not displayed with strike-through formatting.

2.3.13 Superscript

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidParagraphStyleObjectForText

The **Superscript** simple type is a Boolean that specifies whether text is superscript. By default, text is not superscript.

2.3.14 Subscript

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidParagraphStyleObject, jcidParagraphStyleObjectForText

The **Subscript** simple type is a Boolean that specifies whether text is subscript. By default, text is not subscript.

2.3.15 Font

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidNumberListNode, jcidParagraphStyleObjectForText

The **Font** simple type is a string that specifies the name of the font that is used to display text. By default, text uses the same font as the default font setting for the application.

2.3.16 FontSize

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidNumberListNode, jcidParagraphStyleObjectForText

The **FontSize** simple type is an unsigned 16-bit integer that specifies the size of text, measured in half-point increments. This value MUST be from "12" through "288". By default, text is the same size as the default text size specified by the operating system.

2.3.17 BodyTextAlignment

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableCellNode, jcidOutlineNode

The **BodyTextAlignment** simple type is an unsigned integer that specifies the alignment of body text. This value MUST be set to zero and it MUST be ignored.

2.3.18 OffsetFromParentHoriz

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidEmbeddedFileNode, jcidOutlineNode, jcidTitleNode

The **OffsetFromParentHoriz** simple type is a floating-point number that specifies the horizontal offset, in half-inch increments, of content from the page origin (section 2.3.59). This value MUST be set for all **jcidTitleNodes** structures. This value MUST be set for all **jcidOutlineNode** structures (section 2.2.20) that are not contained by a **jcidTitleNode** structure (section 2.2.29), and MUST NOT be set for any **jcidOutlineNode** structures that are contained by a **jcidTitleNode** structure. By default, there is no horizontal offset for content.

2.3.19 OffsetFromParentVert

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidEmbeddedFileNode, jcidOutlineNode, jcidTitleNode

The **OffsetFromParentVert** simple type is a floating-point number that specifies the vertical offset, in half-inch increments, of content from the page origin (section 2.3.60). This value MUST be set for all **jcidTitleNode** structures. This value MUST be set for all **jcidOutlineNode** structures (section 2.2.20) that are not contained by a **jcidTitleNode** structure (section 2.2.29), and MUST NOT be set

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for any **jcidOutlineNodes** structures that are contained by a **jcidTitleNode** structure. By default, there is no vertical offset for content.

2.3.20 NumberListFormat

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNumberListNode

The **NumberListFormat** simple type is an array of Unicode characters that specifies the format of the text in a numbered or bulleted list. This property MUST be set.

The first character in the array specifies the length, in characters, of the array, not including the first character. The remaining characters in the array specify the appearance of the list item.

A list item is a numbered list if it contains the numbering character 0xFFFD, which MUST be immediately followed by a numbering format character. There MUST NOT be more than one numbering character in the array. All other characters in the array MUST be valid Unicode characters. The list item is a bulleted list if it does not contain the numbering character.

The numbering character and numbering format character represent an automatic number, beginning with 1 and incremented by 1 for each subsequent jcidNumberListNode structure containing identical **NumberListFormat** strings within the same outline at the same outline element indent level. The value of this automatic number can be overridden by jcidNumberListNode**.ListRestart**. All other characters in the array are static and do not change with subsequent list items.

The formatting of the automatic number is specified by the numbering format character and MUST be a valid value for the MSONFC data type, as specified in [MS-OSHARED] section 2.2.1.3. Except that the numbering format character MUST NOT be 52, 55, or 56; instead, the value can be 5, which specifies that the enumeration content is formatted according to the operating system's current language code identifier (LCID), as specified in [MS-LCID], and as listed in the following table.

System language identifier	MSONFC value
LANG_HINDI	msonfcHindi4
LANG_THAI	msonfcThai3
LANG_VIETNAMESE	msonfcViet1
All others	msonfcCardtext

2.3.21 LayoutMaxWidth

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidEmbeddedFileNode

The **LayoutMaxWidth** simple type is a floating-point number that specifies the suggested maximum width, in half-inch increments, of an object. This value MUST be greater than or equal to "0.0". By default, the suggested maximum width of an image is the width of the image, in pixels, converted to half-inch increments. The default maximum width of an embedded file icon is 1.0.

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2.3.22 LayoutMaxWidthInOutline

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableCellNode, jcidOutlineNode

The **LayoutMaxWidthInOutline** simple type is a floating-point number that specifies the suggested maximum width, in half-inch increments, of an object. MUST be greater than or equal to 1.0. This property MUST be set on any jcidOutlineNode structure that is not contained by a jcidTitleNode structure. MUST NOT be set if the **IsTitleDate** property is set to **true** on the jcidOutlineNode structure. By default, the suggested maximum width of an object is the width of the content within the object, or 1.0, whichever is greater.

2.3.23 LayoutMaxHeight

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidEmbeddedFileNode

The **LayoutMaxHeight** simple type is a floating-point number that specifies the suggested maximum height, in half-inch increments, of an object. This value MUST be greater than or equal to "0.0". By default, the suggested maximum height of an image is the height of the image, in pixels, converted to half-inch increments. The default maximum height of an embedded file icon is 1.5.

2.3.24 LayoutMaxHeightInOutline

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineNode

The **LayoutMaxHeightInOutline** simple type is a floating-point number that specifies the suggested maximum height, in half-inch increments, of an object. This value MUST be set and it MUST be greater than or equal to "0.2".

2.3.25 OutlineElementRTL

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode

The **OutlineElementRTL** simple type is a Boolean that specifies whether the content of an outline element (section 1.3.2.2) is displayed with a right-to-left layout. By default, outline elements are displayed in a left-to-right layout.

2.3.26 LanguageID

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidNumberListNode, jcidEmbeddedFileNode, jcidParagraphStyleObjectForText

The **LanguageID** simple type is an unsigned integer that specifies the language code identifier (LCID), as specified in [MS-LCID], of an object. By default, objects do not have an LCID associated with them.

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2.3.27 LayoutAlignmentInParent

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidRichTextOENode, jcidTableNode, jcidEmbeddedFileNode, jcidOutlineNode, jcidTitleNode

The **LayoutAlignmentInParent** simple type is a **LayoutAlignment** structure (section 2.3.2) that specifies the alignment of a node within a parent node. If a value is set for the **LayoutAlignmentSelf** structure (section 2.3.33) of the node, this value MUST be ignored and the value of the **LayoutAlignmentSelf** structure is used instead.

2.3.28 PageMarginTop

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageMarginTop** simple type is a floating-point number that specifies the width, in half-inch increments, of the top margin of a page. This value MUST be set and it MUST be greater than or equal to "0.0".

2.3.29 PageMarginBottom

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageMarginBottom** simple type is a floating-point number that specifies the width, in half-inch increments, of the bottom margin of a page. This value MUST be set and it MUST be greater than or equal to "0.0".

2.3.30 PageMarginLeft

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageMarginLeft** simple type is a floating-point number that specifies the width, in half-inch increments, of the left margin of a page. This value MUST be set and it MUST be greater than or equal to "0.0".

2.3.31 PageMarginRight

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageMarginRight** simple type is a floating-point number that specifies the width, in half-inch increments, of the right margin of a page. This value MUST be set and it MUST be greater than or equal to "0.0".

2.3.32 TopologyCreationTimeStamp

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidPageSeriesNode, jcidSectionNode, jcidPageMetaData, jcidConflictPageMetaData

The **TopologyCreationTimeStamp** simple type is a FILETIME data type, as specified in [MS-DTYP], that specifies when a set of content was created. MUST be set.

2.3.33 LayoutAlignmentSelf

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidRichTextOENode, jcidTableNode, jcidEmbeddedFileNode, jcidOutlineNode, jcidTitleNode

The **LayoutAlignmentSelf** simple type is a **LayoutAlignment** structure (section 2.3.2) that specifies the alignment of a node and all of the child nodes of that node. The alignment of a child node can be overwritten by setting a value for the **LayoutAlignmentSelf** or **LayoutAlignmentInParent** element of that child node.

2.3.34 IsTitleTime

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

The **IsTitleTime** simple type is a Boolean that specifies whether an outline element represents the time that is associated with a page title (section 2.1.16). This value can be set only for a **jcidRichTextOENode** structure (section 2.2.23) that is contained in a **jcidTitleNode** structure (section 2.2.29). Otherwise, this value MUST NOT be set.

2.3.35 IsBoilerText

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

The **IsBoilerText** simple type is a Boolean that specifies whether an object is boilerplate text. This value MUST be set to **true** if the object is under a **jcidTitleNode** structure (section 2.2.29) and the value of either the **IsTitleTime** element (section 2.3.34) or the **IsTitleDate** element (section 2.3.42) is **true**; otherwise, this value MUST NOT be set.

2.3.36 PageSize

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageSize** simple type is an unsigned integer that specifies the size of a page. By default, a page resizes automatically. However, if this value is set by a user, it MUST correspond to one of the values listed in the following table. In addition, the value of the **PageWidth** and **PageHeight** types MUST be set to the size that is specified by the **PageSize** type. Exceptions to this rule are 0x00000000 and 0x0000000F.

Value	Meaning
0	The page does not have a fixed size. It resizes automatically to fit all of the content within it.
1	U.S. statement (5.5" x 8.5").

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Value	Meaning
2	ANSI letter (8.5" x 11").
3	ANSI tabloid (11" x 17").
4	U.S. legal (8.5" x 14").
5	ISO A3 (297mm x 420mm).
6	ISO A4 (210mm x 297mm).
7	ISO A5 (148mm x 210mm).
8	ISO A6 (105mm x 148mm).
9	JIS B4 (257mm x 364mm).
10	JIS B5 (182mm x 257mm).
11	JIS B6 (128mm x 182mm).
12	Japanese postcard (100mm x 148mm).
13	Index card (3" x 5").
14	Billfold (3.75" x 6.75").
15	Custom.

2.3.37 PortraitPage

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PortraitPage** simple type is a Boolean that specifies the orientation of a page. By default, a page has a portrait orientation.

Value	Description
0	Landscape orientation.
1	Portrait orientation.

2.3.38 EnforceOutlineStructure

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableCellNode, jcidOutlineNode

The **EnforceOutlineStructure** simple type is a Boolean that specifies whether all of the outline (section 1.3.2.1) elements within an outline adhere to a strict outline structure. When this value is **true**, every **OutlineElementChildLevel** structure (section 2.3.8) within the outline MUST be 0x01 and there MUST NOT be any **jcidOutlineGroup** structures (section 2.2.22) beneath them. By default, an outline does not have a strict outline structure.

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2.3.39 EditRootRTL

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **EditRootRTL** simple type is a Boolean that specifies whether a page uses a right-to-left layout. By default, pages use a left-to-right layout.

2.3.40 CannotBeSelected

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode, jcidOutlineNode

The **CannotBeSelected** simple type is a Boolean that specifies whether an element can be selected. If this value is **true** the element cannot be selected. By default, elements can be selected.

2.3.41 IsTitleText

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode, jcidOutlineElementNode, jcidOutlineNode

The **IsTitleText** simple type is a Boolean that specifies whether an object represents the text of a page title (section 2.1.16). If this value is set, the object MUST be contained in a **jcidTitleNode** structure (section 2.2.29). Otherwise, this value MUST NOT be set.

2.3.42 IsTitleDate

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode, jcidOutlineNode

The **IsTitleDate** simple type is a Boolean that specifies whether an object represents the date of a page title (section 2.1.16). If this value is set, the object MUST be contained in a **jcidTitleNode** structure (section 2.2.29). Otherwise, this value MUST NOT be set.

2.3.43 ListRestart

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNumberListNode

The **ListRestart** simple type is an integer that specifies the number for a numbered list item. This value overrides the continuation number from preceding items in the same numbered list. By default, numbered list items begin at 1 and increment from the preceding list item. The number for any subsequent list items continues from this number, unless that number is overridden. If this value is set, it MUST be greater than or equal to zero. This value MUST NOT be set for bulleted list items.

2.3.44 IsLayoutSizeSetByUser

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidEmbeddedFileNode, jcidOutlineNode

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The **IsLayoutSizeSetByUser** simple type is a Boolean that specifies whether the value of the **LayoutMaxWidth** element (section 2.3.21) for an object was set explicitly by a user. By default, the maximum width is not set by a user and this property is not set.

2.3.45 ListSpacingMu

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode, jcidOutlineNode

The **ListSpacingMu** simple type is a floating-point number that specifies the horizontal distance, in half-inch increments, between a bullet or number for a list item and the text of that list item. This value affects all of the items in the list. This value MUST be from "0.2" through "20.0". The default value is "0.2".

2.3.46 LayoutOutlineReservedWidth

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineNode

The **LayoutOutlineReservedWidth** simple type is a floating-point number that specifies the width, in half-inch increments, at which text in an outline wraps to the next line. This value MUST be from 1.0 through 44.0. By default, the text in an outline wraps automatically.

2.3.47 LayoutResolveChildCollisions

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **LayoutResolveChildCollisions** simple type is a Boolean that specifies whether outline collisions are resolved on a page. This value MUST be set and it MUST be set to **true**.

2.3.48 IsReadOnly

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode, jcidTableCellNode, jcidOutlineNode, jcidPageNode

The **IsReadOnly** simple type is a Boolean that specifies whether an object is read-only. By default, an object is not read-only and this property is not set.

2.3.49 LayoutMinimumOutlineWidth

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineNode

The **LayoutMinimumOutlineWidth** simple type is a floating-point number that specifies the minimum allowable width, in half-inch increments, of a document outline. This property MUST be set if the **jcidOutlineNode** structure (section 2.2.20) is contained in a **jcidTitleNode** structure (section 2.2.29) and the value of the **IsTitleText** element (section 2.3.41) is set to **true**; otherwise, this property MUST NOT be set.

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2.3.50 LayoutCollisionPriority

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTitleNode

The **LayoutCollisionPriority** simple type is an integer that specifies whether an object and its child objects MUST NOT move or overlap other content on the page when the object is modified. It SHOULD<12> be set and MUST be 0x00000000 (zero).

2.3.51 DescendantsCannotBeMoved

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineNode

The **DescendantsCannotBeMoved** simple type is a Boolean that specifies whether an outline or the outline elements within it can be moved to become child elements of a different object. This property MUST be set to **true** for any **jcidOutlineNode** structures (section 2.2.20) that also contain an **IsTitleText** element (section 2.3.41) set to **true**; otherwise, it MUST NOT be set. By default, an outline and its outline elements can be moved.

2.3.52 AudioRecordingDuration

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidEmbeddedFileNode

An unsigned integer that specifies the duration, in milliseconds, of the audio or video file. SHOULD<13> be set to the duration of the audio or video file for all audio and video files. By default, embedded files are not audio or video and this property is not set.

2.3.53 RichEditTextLangID

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidRichTextOENode, jcidEmbeddedFileNode

The **RichEditTextLangID** simple type is an unsigned 16-bit integer that specifies the language code identifier (LCID), as specified in [MS-LCID], of text that is associated with an object. This value MUST be set if an object has either the RichEditTextUnicode or TextExtendedAscii properties set on it.

2.3.54 LayoutTightAlignment

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineNode

The **LayoutTightAlignment** simple type is a Boolean that specifies whether an outline is aligned tightly around the outline elements (section 1.3.2.2) within it. If an outline is aligned tightly, there is no left padding for any left- or right-aligned outline elements that are not indented. By default, outline elements are not aligned tightly.

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2.3.55 Charset

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObjectForText

The **Charset** simple type is an unsigned 8-bit integer that specifies the character set (1) of text. MUST be one of the following values.

Value	Meaning
0	ANSI_CHARSET
1	DEFAULT_CHARSET (Specifies a character set (1) based on the current system locale; for example, when the system locale is United States English, the default character set (1) is ANSI_CHARSET.)
2	SYMBOL_CHARSET
77	MAC_CHARSET
128	SHIFTJIS_CHARSET
129	HANGUL_CHARSET
130	JOHAB_CHARSET
134	GB2312_CHARSET
136	CHINESEBIG5_CHARSET
161	GREEK_CHARSET
162	TURKISH_CHARSET
163	VIETNAMESE_CHARSET
177	HEBREW_CHARSET
178	ARABIC_CHARSET
186	BALTIC_CHARSET
204	RUSSIAN_CHARSET
222	THAI_CHARSET
238	EASTEUROPE_CHARSET
255	OEM_CHARSET (Specifies a mapping to one of the OEM code pages, according to the current system locale setting.)

2.3.56 CreationTimeStamp

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidOutlineElementNode, jcidVersionProxy

The **CreationTimeStamp** simple type is a **Time32** type (section 2.3.1) that specifies when an element was created. MUST be set.

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2.3.57 Deletable

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode, jcidOutlineElementNode, jcidOutlineNode, jcidPageNode

The **Deletable** simple type is a Boolean that specifies whether an object can be deleted. This simple type is used to override the value of the **IsReadOnly** element (section 2.3.48) for a page title, date, or time, or for a conflict page (section 2.1.2). If this element is set, its value MUST be **true**. By default, an object can be deleted.

2.3.58 ListMSAAIndex

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNumberListNode

The **ListMSAAIndex** simple type is an unsigned 16-bit integer that specifies the index of the accessibility string for a list item. This value MUST be set for a bulleted list item. Otherwise, this value MUST NOT be set. When set, it MUST be one of the following values.

Value	Description
0	Nil.
1	Small solid circle.
2	Small hollow circle.
3	Solid circle.
4	Hollow circle.
5	Solid donut.
6	Hollow donut.
7	Small solid square.
8	Small hollow square.
9	Solid square.
10	Hollow square.
11	Narrow triangle.
12	Wide triangle.
13	Large hollow diamond.
14	Hollow diamond.
15	Small solid diamond.
16	Four small diamonds.
17	Large solid star.

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Value	Description
18	Large hollow star.
19	Large solid sun.
20	Greater-than sign.
21	Single-line arrow.
22	Double-line arrow.
23	Large hollow arrow.
24	Asterisk.
25	Dash.
26	En dash.
27	Em dash.
28	Smiling face.
29	Neutral face.
30	Frowning face.
31	Check mark.
32	Telephone.
33	Envelope back.
34	Solid diamond.

2.3.59 PageMarginOriginX

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageMarginOriginX** simple type is a floating-point number that specifies the horizontal page origin, in half-inch increments. By default, for right-to-left pages the value is equal to negative value of **PageMarginRight** element (section 2.3.31), and for left-to-right pages it is equal to the value of **PageMarginLeft** element (section 2.3.30).

2.3.60 PageMarginOriginY

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **PageMarginOriginY** simple type is a floating-point number that specifies the vertical page origin, in half-inch increments. By default, the value is equal to the value of **PageMarginTop** element (section 2.3.28).

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2.3.61 IsBackground

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode

The **IsBackground** simple type is a Boolean that specifies whether an image is a background image. By default, an image is not a background image and this property is not set.

2.3.62 IRecordMedia

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidEmbeddedFileNode

The **IRecordMedia** simple type is an unsigned integer that specifies whether an embedded file is a supported audio or video file format. By default, an embedded file is not an audio or video file. If this value is set, it MUST be one of the following values. This property MUST be set if the AudioRecordingGuid property is set.

Value	Meaning
1	Audio recording (.wma, .mp3, .wav).
2	Video recording (.wmv, .avi, .mpg).

2.3.63 RowCount

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableNode

The **RowCount** simple type is an unsigned integer that specifies the number of rows in a table. This integer MUST be greater than zero.

2.3.64 ColumnCount

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableNode

The **ColumnCount** simple type is an unsigned integer that specifies the number of columns in a table. This integer MUST be from "0x00000001" through "0x000000FF".

2.3.65 TableBordersVisible

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidTableNode

The **TableBordersVisible** simple type is a Boolean that specifies whether the borders of a table are visible. This value MUST be set.

2.3.66 LastModifiedTimeStamp

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidVersionProxy, jcidRevisionMetaData

The **LastModifiedTimeStamp** simple type is a FILETIME data type, as specified in [MS-DTYP], that specifies the time when content was last modified. This value MUST be set.

2.3.67 LastModifiedTime

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode, jcidImageNode, jcidOutlineNode, jcidOutlineGroup, jcidOutlineElementNode, jcidRichTextOENode, jcidTableNode, jcidTableRowNode, jcidTableCellNode, jcidNumberListNode, jcidEmbeddedFileNode, jcidTitleNode

The **LastModifiedTime** simple type is a **Time32** type (section 2.3.1) that specifies when an element was last modified. This value MUST be set.

2.3.68 IsConflictPage

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageNode

The **IsConflictPage** simple type is a Boolean that specifies whether a page is a conflict page (section 2.1.2). By default, a pages is not a conflict page. This value MUST NOT be set for a **jcidPageNode** structure (section 2.2.19) that is not contained by another **jcidPageNode** structure.

2.3.69 SchemaRevisionInOrderToRead

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageMetaData, jcidSectionMetaData, jcidConflictPageMetaData, jcidVersionHistoryMetaData

The **SchemaRevisionInOrderToRead** simple type is an unsigned integer that specifies the schema version of an object space. This value MUST be "0x00000028".

2.3.70 IsConflictObjectForRender

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidOutlineGroup, jcidRichTextOENode, jcidNumberListNode, jcidOutlineElementNode, jcidTableCellNode, jcidTableRowNode, jcidTableNode, jcidEmbeddedFileNode, jcidOutlineNode, jcidTitleNode

The **IsConflictObjectForRender** simple type is a Boolean that specifies whether an object is identified as generating a conflict during operations that merge changes to the page that contains the object. This value MUST NOT be set for content that is not on a conflict page (section 2.1.2). By default, an object is not identified as generating conflicts.

2.3.71 HasConflictPages

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageMetaData

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The **HasConflictPages** simple type is a Boolean that specifies whether a page is associated with one or more conflict pages (section 2.1.2). This value MUST be **true** if the page is associated with one or more conflict pages. By default, a page is not associated with conflict pages.

2.3.72 IsConflictObjectForSelection

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidOutlineGroup, jcidRichTextOENode, jcidNumberListNode, jcidOutlineElementNode, jcidTableCellNode, jcidTableRowNode, jcidEmbeddedFileNode, jcidOutlineNode, jcidTitleNode

The **IsConflictObjectForSelection** simple type is a Boolean that specifies whether an object generatesd a conflict during operations that merge changes to the page that contains the object, and also whether the resulting conflict object can be selected. This value MUST NOT be set for objects that are not on a conflict page (section 2.1.2). By default, an object is not a conflict object (section 2.1.1) that can be selected.

2.3.73 IsDeletedGraphSpaceContent

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageMetaData

The **IsDeletedGraphSpaceContent** simple type is a Boolean that specifies whether a page is marked as deleted. By default, a page is not marked as deleted and this property is not set.

2.3.74 PageLevel

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageMetaData, jcidConflictPageMetaData

The **PageLevel** simple type is a signed integer that specifies the indentation level of a page in a page series. This value MUST be from "0x00000001" through "0x00000003". A value of "0x00000001" specifies no indentation. A larger value specifies increased indentation. The indentation level for the first page in a page series MUST be "0x00000001". By default, a page is not indented.

2.3.75 Hyperlink

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObjectForText

The **Hyperlink** simple type is a Boolean that specifies whether a text run is a hyperlink. By default, a text run is not a hyperlink and this property is not set.

2.3.76 Hidden

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObjectForText

The **Hidden** simple type is a Boolean that specifies whether a text run is displayed in the user interface. By default, a text run is displayed and this property is not set.

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2.3.77 HyperlinkProtected

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObjectForText

The **HyperlinkProtected** simple type is a Boolean that specifies whether a text run is the display text for a hyperlink. By default, a text run is not the display text for a hyperlink and this property is not set.

2.3.78 UnderlineType

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidParagraphStyleObjectForText

The **UnderlineType** simple type is a byte that specifies the type of underline to display beneath text. If the value of the **Underline** element (section 2.3.11) is **true**, this property MUST be set to 0x01. Otherwise, this value MUST NOT be set. By default, text is not underlined and this property is not set.

2.3.79 TextRunIsEmbeddedObject

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObjectForText

The **TextRunIsEmbeddedObject** simple type is a Boolean that specifies whether a text run is a placeholder for an embedded, rich text object. If a text run is an embedded object, the text run MUST be Unicode text. This property MUST be set to if the text run is exactly one character in length and the character is "0xFFFC. By default, a text run is not an embedded object.

2.3.80 MathFormatting

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObjectForText

The **MathFormatting** simple type is a Boolean that specifies whether a text run is formatted as a mathematical expression. By default, text is not formatted as a mathematical expression.

2.3.81 ParagraphSpaceBefore

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidRichTextOENode

The **ParagraphSpaceBefore** simple type is a floating-point number that specifies the amount of padding space, in half-inch increments, between a paragraph and the paragraph that immediately precedes it. This setting is overridden if a larger amount of space is specified in the **ParagraphSpaceAfter** element (section 2.3.82) of the preceding paragraph. The value MUST be between 0.0 and 27777.777, inclusive. By default, there is no padding before a paragraph.

2.3.82 ParagraphSpaceAfter

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

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Referenced by: jcidParagraphStyleObject, jcidRichTextOENode

The **ParagraphSpaceAfter** simple type is a floating-point number that specifies the amount of padding space, in half-inch increments, between a paragraph and the next paragraph. This setting is overridden if a larger amount of space is specified by the **ParagraphSpaceBefore** element (section 2.3.81) of the next paragraph. The value MUST be between 0.0 and 27777.777, inclusive. By default, there is no padding after a paragraph.

2.3.83 ParagraphLineSpacingExact

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidRichTextOENode

The **ParagraphLineSpacingExact** simple type is a floating-point number that specifies the minimum amount of space, in half-inch increments, between lines of text in a paragraph. The value MUST be between 0.0 and 27777.777, inclusive. By default, line spacing is determined automatically.

2.3.84 HasVersionPages

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageMetaData

The **HasVersionPages** simple type is a Boolean that specifies whether a page has version history pages (section 2.1.17). This value MUST be **true** if a page has one or more version history pages. By default, a page does not have version history pages.

2.3.85 ActionItemType

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNoteTagSharedDefinitionContainer, NoteTagState

The **ActionItemType** simple type is a 16-bit integer that specifies the identifier of a note tag (section 2.1.9). For a normal note tag, this value MUST be set in the **jcidNoteTagSharedDefinitionContainer** structure (section 2.2.41), and the value MUST be from 0 through 99, inclusive. For a task tag, this value MUST be set in the **NoteTagState** structure (section 2.2.42) and the value MUST be from 100 through 105, inclusive. This value MUST be a value that is listed in the following table.

Value	Description	Applicability
0-99	A numeric identifier of the note tag.	MUST NOT be used for a task tag. The value for a task tag MUST be from 100 through 105.
100	Due today	MUST NOT be used for a normal note tag.
101	Due tomorrow	MUST NOT be used for a normal note tag.
102	Due this week	MUST NOT be used for a normal note tag.
103	Due next week	MUST NOT be used for a normal note tag.
104	No due date	MUST NOT be used for a normal note tag.

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Value	Description	Applicability
105	Due on a custom date	MUST NOT be used for a normal note tag.

2.3.86 NoteTagShape

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNoteTagSharedDefinitionContainer, NoteTagState

The **NoteTageShape** simple type is a 16-bit integer that specifies which icon to display for a note tag, and whether the icon is checkable. The value MUST be a value that is listed in the following table.

Value	Description	Checkable
0	No icon.	No
1	Green check box.	Yes
2	Yellow check box.	Yes
3	Blue check box.	Yes
4	Green-star check box.	Yes
5	Yellow-star check box.	Yes
6	Blue-star check box.	Yes
7	Green-exclamation check box.	Yes
8	Yellow-exclamation check box.	Yes
9	Blue-exclamation check box.	Yes
10	Green, right-arrow check box.	Yes
11	Yellow, right-arrow check box.	Yes
12	Blue, right-arrow check box.	Yes
13	Yellow star.	No
14	Blue follow-up flag.	No
15	Question mark.	No
16	Blue right arrow.	No
17	High priority (red exclamation mark).	No
18	Contact information.	No
19	Meeting (calendar).	No
20	Time-sensitive.	No
21	Light bulb.	No

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Value	Description	Checkable
22	Pushpin.	No
23	Home.	No
24	Comment bubble.	No
25	Smiling face.	No
26	Award ribbon.	No
27	Yellow key.	No
28	Blue check box 1.	Yes
29	Blue circle 1.	No
30	Blue check box 2.	Yes
31	Blue circle 2.	No
32	Blue check box 3.	Yes
33	Blue circle 3.	No
34	Blue, eight-point star.	No
35	Blue check mark.	No
36	Blue circle.	No
37	Blue down arrow.	No
38	Blue left arrow.	No
39	Blue solid target.	No
40	Blue star.	No
41	Blue sun.	No
42	Blue target.	No
43	Blue triangle .	No
44	Blue umbrella.	No
45	Blue up arrow.	No
46	Blue "X" with dots.	No
47	Blue "X".	No
48	Green check box 1.	Yes
49	Green circle 1.	No
50	Green check box 2.	Yes
51	Green circle 2.	No

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Value	Description	Checkable
52	Green check box 3.	Yes
53	Green circle 3.	No
54	Green, eight-point star.	No
55	Green check mark.	No
56	Green circle.	No
57	Green down arrow.	No
58	Green left arrow.	No
59	Green right arrow.	No
60	Green solid arrow.	No
61	Green star.	No
62	Green sun.	No
63	Green target.	No
64	Green triangle .	No
65	Green umbrella.	No
66	Green up arrow.	No
67	Green "X" with dots.	No
68	Green "X".	No
69	Yellow check box 1.	Yes
70	Yellow circle 1.	No
71	Yellow check box 2.	Yes
72	Yellow circle 2.	No
73	Yellow check box 3.	Yes
74	Yellow circle 3.	No
75	Yellow, eight-point star.	No
76	Yellow check mark.	No
77	Yellow circle.	No
78	Yellow down arrow.	No
79	Yellow left arrow.	No
80	Yellow right arrow.	No
81	Yellow solid target.	No

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Value	Description	Checkable
82	Yellow sun.	No
83	Yellow target.	No
84	Yellow triangle.	No
85	Yellow umbrella.	No
86	Yellow up arrow.	No
87	Yellow "X" with dots.	No
88	Yellow "X".	No
89	Follow up today flag.	Yes
90	Follow up tomorrow flag.	Yes
91	Follow up this week flag.	Yes
92	Follow up next week flag.	Yes
93	No follow-up date flag.	Yes
94	Blue person check box.	Yes
95	Yellow person check box.	Yes
96	Green person check box.	Yes
97	Blue flag check box.	Yes
98	Red flag check box.	Yes
99	Green flag check box.	Yes
100	Red square.	No
101	Yellow square.	No
102	Blue square.	No
103	Green square.	No
104	Orange square.	No
105	Pink square.	No
106	E-mail message.	No
107	Closed envelope.	No
108	Open envelope.	No
109	Mobile phone.	No
110	Telephone with clock.	No
111	Question balloon.	No

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Value	Description	Checkable
112	Paper clip.	No
113	Frowning face.	No
114	Instant messaging (IM) contact person.	No
115	Person with exclamation mark.	No
116	Two people.	No
117	Reminder bell.	No
118	Contact (person on a card).	No
119	Rose on a stem.	No
120	Calendar date with clock.	No
121	Musical note.	No
122	Movie clip.	No
123	Quotation mark.	No
124	Globe.	No
125	Hyperlink globe.	No
126	Laptop.	No
127	Plane.	No
128	Car.	No
129	Binoculars.	No
130	Presentation slide.	No
131	Padlock.	No
132	Open book.	No
133	Notebook with clock.	No
134	Blank paper with lines.	No
135	Research (books with a magnifying glass).	No
136	Pen.	No
137	Dollar sign ($).	No
138	Coins with a window backdrop.	No
139	Scheduled task (form with a clock).	No
140	Lightning bolt.	No
141	Cloud.	No

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Value	Description	Checkable
142	Heart.	No
143	Sunflower.	No

For a normal note tag, this value MUST be set in the **jcidNoteTagSharedDefinitionContainer** structure (section 2.2.41). For a task tag, this value MUST be set in the **NoteTageState** element (section 2.2.42).

2.3.87 NoteTagPropertyStatus

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNoteTagSharedDefinitionContainer, NoteTagState

The **NoteTagPropertyStatus** simple type is an unsigned integer that specifies a bit field representing the status of a note tag. For a normal note tag, this value MUST be set in the **jcidNoteTagSharedDefinitionContainer** structure (section 2.2.41). For a task note tag, this value MUST be set in the NoteTagState structure. The following table defines the valid bits for this type.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
A	B	C	D	E		F	G	H	I	J	K	unused2																			

A - hasLabel (1 bit): Specifies whether a note tag has a label. SHOULD<14> be **true**.

B - hasFontColor (1 bit): Specifies whether a note tag has a font color. For a normal tag, SHOULD be **true** if **NoteTagTextColor** (section 2.2.85) is set; otherwise, MUST be **false**. For a task tag, SHOULD be true, and MUST be ignored.

C - hasHighlightColor (1 bit): Specifies whether a note tag has a highlight color. For a normal tag, SHOULD be **true** if **NoteTagHighlightColor** (section 2.2.84) is set; otherwise, MUST be **false**. For a task tag, SHOULD be **true**, and MUST be ignored.

D - hasIcon (1 bit): Specifies whether a note tag has an icon. MUST be **false** if **NoteTagShape** (section 2.3.86) is set to zero; otherwise, SHOULD be **true**.

E – unused1 (2 bits): MUST be zero, and MUST be ignored.

F - Today (1 bit): Specifies whether a task tag is due today. SHOULD be true if **ActionItemType** (section 2.3.85) is set to 100; otherwise, MUST be **false**.

G - Tomorrow (1 bit): Specifies whether a task tag is due tomorrow. SHOULD be **true** if **ActionItemType** is set to 101; otherwise, MUST be **false**.

H - ThisWeek (1 bit): Specifies whether a task tag is due this week. SHOULD be **true** if **ActionItemType** is set to 102; otherwise, MUST be **false**.

I - NextWeek (1 bit): Specifies whether a task tag is due next week. SHOULD be **true** if **ActionItemType** is set to 103; otherwise, MUST be **false**.

J - Later (1 bit): Specifies whether a task tag is due later. SHOULD be **true** if **ActionItemType** is set to 104; otherwise, MUST be **false**.

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K - Custom (1 bit): Specifies whether a task tag is due at a custom date. SHOULD be **true** if **ActionItemType** is set to 105; otherwise, MUST be **false**.

unused2 (20 bits): MUST be zero, and MUST be ignored.

2.3.88 TaskTagDueDate

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: NoteTagState

The **TaskTagDueDate** simple type is a **Time32** type (section 2.3.1) that specifies the due date of a task tag. This value MUST be set on task tags (section 2.1.9). It MUST NOT be set on normal note tags, which do not have due dates.

2.3.89 NoteTagCreated

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: NoteTagState

The **NoteTagCreated** simple type is a **Time32** type (section 2.3.1) that specifies when a note tag was created. This value MUST be set.

2.3.90 NoteTagCompleted

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: NoteTagState

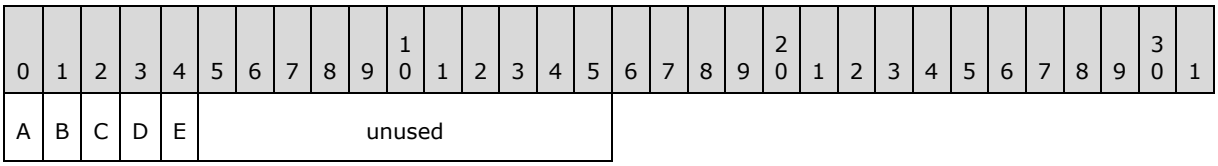
The **NoteTagCompleted** simple type is a **Time32** type (section 2.3.1) that specifies when a note tag was marked complete. This value MUST be set. This value MUST be zero if the "Completed" bit of the **ActionItemStatus** element (section 2.3.91) is not set.

2.3.91 ActionItemStatus

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: NoteTagState

The **ActionItemStatus** simple type is an unsigned 16-bit integer that specifies a bit field representing the status of a note tag (section 2.1.9). This value MUST be set. The following table defines the valid bits for this type.



A - Completed (1 bit): A bit that specifies whether a checkable note tag is finished. MUST be true for non-checkable note tags.

B - Disabled (1 bit): A bit that specifies whether the note tag is disabled.

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C - TaskTag (1 bit): A bit that specifies whether a note tag is a task tag. MUST be true for task tags, and MUST be **false** for normal tags.

D - Unsynchronized (1 bit): A bit that specifies whether a task tag has been synchronized. MUST be **false** for normal note tags. SHOULD<15> be ignored.

E - Removed (1 bit): A bit that specifies whether the task associated with a task tag has been removed. MUST be **false** for normal note tags. SHOULD<16> be ignored.

unused (11 bits): MUST be zero and MUST be ignored.

2.3.92 ActionItemSchemaVersion

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidNoteTagSharedDefinitionContainer, NoteTagState

The **ActionItemSchemaVersion** simple type is an unsigned 8-bit integer that is reserved for future use. If set, the value MUST be zero and MUST be ignored. For a normal note tag, this value MUST be set in the **jcidNoteTagSharedDefinitionContainer** structure (section 2.2.41). For a task tag, this value MUST be set in the **NoteTagState** structure (section 2.2.42).

2.3.93 ReadingOrderRTL

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidRichTextOENode

The **ReadingOrderRTL** simple type is a Boolean that specifies whether the reading order of a paragraph is right-to-left. By default, the reading order is left to right and this property is not set.

2.3.94 ParagraphAlignment

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidParagraphStyleObject, jcidRichTextOENode

The **ParagraphAlignment** simple type is an unsigned 8-bit integer that specifies the alignment of a paragraph. By default, a paragraph is left-aligned. The value MUST be one of the values in the following table.

Value	Meaning
0	Left
1	Center
2	Right

2.3.95 DisplayedPageNumber

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode

The **DisplayedPageNumber** simple type is an unsigned integer that specifies the zero-based page number that is displayed for an image in a series of images when

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jcidImageNode.PictureContainer (section 2.2.24) references an image format that supports multiple pages. By default, the displayed page number is zero.

2.3.96 NoteTagDefinitionOid

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: NoteTagState

The **NoteTagDefinitionOid** simple type is an **ObjectID** structure (section 2.1.6) that specifies a reference to a **jcidNoteTagSharedDefinitionContainer** (section 2.2.41), which specifies the properties for a normal note tag (section 2.1.9). MUST be set if the note tag is a normal tag; otherwise, MUST NOT be set for a task tag.

2.3.97 SchemaRevisionInOrderToWrite

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPageMetaData, jcidSectionMetaData, jcidConflictPageMetaData, jcidVersionHistoryMetaData

The **SchemaRevisionInOrderToWrite** simple type is an unsigned integer that specifies the schema version of an object space. This value MUST be 0x00000028.

2.3.98 WebPictureContainer14

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode

The **WebPictureContainer14** simple type is an **ObjectID** structure (section 2.1.6) that specifies a **jcidPictureContainer14** structure (section 2.2.36) containing an image to use when the content viewed by using a Web browser. A Web image MUST be generated if the width or height of the image is greater than 1024 pixels or the original image is not in one of the following formats:

- Device-independent bitmap (DIB)
- Joint Photographic Experts Group (JPEG)
- Portable Network Graphics (PNG)

The format of the Web image MUST be DIB, JPEG, or PNG. The height or width of the image MUST NOT exceed 1024 pixels. By default, there is no Web image for an object.

2.3.99 ImageUploadState

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode

The **ImageUploadState** simple type is an unsigned integer that specifies the state of the binary data for an image. If set, the value MUST be set to one of the values described in the following table. By default, the upload state of an image is "complete".

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Value	Meaning
0	**Upload complete: jcidImageNode.PictureContainer** MUST be set.
1	**Upload in progress: jcidImageNode.PictureContainer** MUST NOT be set.
2	**Upload failed: jcidImageNode.PictureContainer** MUST NOT be set.

2.3.100 PictureWidth

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidEmbeddedFileNode

The **PictureWidth** simple type is a floating-point number that specifies, in half-inch increments, the width of an image. By default, the width of an image is determined by the image itself.

2.3.101 PictureHeight

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidImageNode, jcidEmbeddedFileNode

The **PictureHeight** simple type is a floating-point number that specifies, in half-inch increments, the height of an image. By default, the height of an image is determined by the image itself.

2.3.102 NotebookElementOrderingID

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPersistablePropertyContainerForTOCSection

The **NotebookElementOrderingID** simple type is an unsigned integer that specifies the order number of a section in a notebook. This value MUST be set.

2.3.103 EnableHistory

Target namespace: http://schemas.microsoft.com/office/onenote/2009/internal/specific

Referenced by: jcidPersistablePropertyContainerForTOC

The **EnableHistory** simple type is a Boolean that specifies whether version history pages (section 2.1.17) can be associated with the notebook (section 1.3.4). By default, version history pages can be associated with the notebook.

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3 Structure Examples

This section contains examples of some of the most commonly used structures in OneNote files. The examples are based on common content found in a OneNote file.

For readability in the examples, the content of a OneNote file is presented as XML. The following should be noted when reading the XML:

- Unless otherwise noted, the names of the XML elements correspond to the names of **Property** structures, or **Property Set** structures (section 2.1.13) if the element contains a **jcid** attribute.
- The **jcid** attribute corresponds to the **JCID** value for the object, as specified in [MS-ONESTORE] section 2.6.14.
- The **RootRole** attribute corresponds to the **RootRole** value for root objects (section 2.1.8).
- For convenience, some objects are presented as child objects of the property that references the object. The **id** attribute represents the identifier of the objects. With the exception of the **Context** elements, only the **CompactIDs** of the objects are given ([MS-ONESTORE] section 2.2.2). When stored in a revision store file, properties that reference objects only store the **CompactID** of the object.
- The **id** attribute of the **Context** elements are presented as an **ExtendedGUID** ([MS-ONESTORE] section 2.2.1) for the identification of the **Context** ([MS-ONESTORE] section 2.1.11).
- For properties that store an array of elements, the value is presented as a comma-delimited list within curly-braces, unless the objects are presented as child elements of the property.
- Properties that contain a **FILETIME** structure (as specified in [MS-DTYP]) or **Time32** structure (section 2.3.1) are presented as friendly text rather than a numeric value.
- The values of some complex structures (such as **LayoutAlignment**, **Color**, and **COLORREF**) are abbreviated as an unsigned 32-bit integer, rather than the individual fields of the structure.

For brevity, not all property values are explained in the examples: only those that are relevant to the purpose of the example, or a subset for illustrative purposes. References to additional properties can be found in the table of properties (section 2.1.12).

Section 3.1 provides an example of a complete OneNote file that is a section containing a single page.

3.1 Example of a Section and Page

The following example represents a complete OneNote section file (section 1.3.1) containing a single page (section 1.3.2). The **One** element, representing the file, contains two object spaces: a **SectionObjectSpace** element representing a **SectionObjectSpace** structure, and a **PageObjectSpace** element representing a **PageObjectSpace** structure (section 2.1.10). Both object spaces contain only one **Context**: the default context ([MS-ONESTORE] section 2.1.11).

```
<One>
  <SectionObjectSpace id="0x00000001">
    <Context id="{{00000000-0000-0000-0000-000000000000}, 0}">
      <jcidSectionNode id="0x00000002" jcid="0x00060007" RootRole="0x00000001">
        <NotebookManagementEntityGuid>
          {EC4D3F13-7AC6-4040-BDB4-9CA9A28A2BF1}
        </NotebookManagementEntityGuid>
```


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```
      <ElementChildNodesOfSection>
        <jcidPageSeriesNode id="0x00000004" jcid="0x00060008">
          <NotebookManagementEntityGuid>
            {19F4A846-43E1-4E20-9F1C-051DBF9D6209}
          </NotebookManagementEntityGuid>
          <ChildGraphSpaceElementNodes>{0x00000005}</ChildGraphSpaceElementNodes>
          <TopologyCreationTimeStamp>1/1/2010 12:00:00 PM</TopologyCreationTimeStamp>
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</One>
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SectionObjectSpace (`id=0x00000001`): This **SectionObjectSpace** contains two root objects: the default content root (`jcidSectionNode, id=0x00000002, RootRole=0x00000001`), and the metadata root (`jcidSectionMetaData, id=0x00000003, RootRole=0x00000002`).

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jcidSectionNode (id=0x00000002): A jcidSectionNode specifies the content of the section. This section contains one page series: **jcidPageSeriesNode** (id=0x00000004).

jcidSectionMetaData (id=0x00000003): A jcidSectionMetaData describes the section, such as its color. For example, the value of NotebookColor specifies that this section is red.

jcidPageSeriesNode (id=0x00000004): A jcidPageSeriesNode specifies the pages in a series. This series contains one page. The content of the page is the **PageObjectSpace** (id=0x00000005). The metadata for the page is the **jcidPageMetaData** (id=0x00000006) within the **PageObjectSpace**.

PageObjectSpace (id=0x00000005): This **PageObjectSpace** contains three root objects: the default content root (jcidPageManifestNode, id=0x00000007), the metadata root (jcidPageMetaData, id=0x00000006), and the version metadata root (jcidRevisionMetaData, id=0x00000008). This object space also contains a number of shared objects referenced by multiple properties, such as an author and paragraph styles.

jcidPageMetaData (id=0x00000006): A jcidPageMetaData describes the page, such as its title and creation time. For example, the value of CachedTitleString specifies that the title of this page is "Page Title", and the value of TopologyCreationTimeStamp specifies that this page was created on 1/1/2010 at 12:00 PM.

jcidPageManifestNode (id=0x00000007): A jcidPageManifestNode specifies the data of a page. This page contains only page content (jcidPageNode, id=0x0000000A); it does not specify conflict pages or version history pages.

jcidRevisionMetaData (id=0x00000008): A jcidRevisionMetaData specifies metadata about who last modified the page and at what time. For example, this page was last modified by the author specified by the **jcidReadOnlyPersistablePropertyContainerForAuthor** (id=0x00000009), and the value of LastModifiedTimeStamp specifies that this page was last modified on 1/1/2010 at 1:00 PM.

jcidReadOnlyPersistablePropertyContainerForAuthor (id=0x00000009): A jcidReadOnlyPersistablePropertyContainerForAuthor specifies an author. The value of Author specifies that the name of this author is "Microsoft".

jcidPageNode (id=0x0000000A): A jcidPageNode specifies content and properties of a page, such as its size. This page contains one outline (jcidOutlineNode, id=0x0000000B) and a title (jcidTitleNode, id=0x00000011). The value of PageSize specifies that this page automatically resizes to fit its content.

jcidOutlineNode (id=0x0000000B): A jcidOutlineNode specifies the content and properties of an outline, such as its location. This outline contains one outline element (jcidOutlineElement, id=0x0000000C). The value of OffsetFromParentHoriz specifies that this outline is located one-half-inch to the right of the page origin.

jcidOutlineElementNode (id=0x0000000C): A jcidOutlineElementNode specifies the content and properties of an outline element, such as its indentation level. The content for this outline element is a **jcidRichTextOENode** (id=0x0000000D). The value of OutlineElementChildLevel specifies that this outline element is indented one level within its containing outline.

jcidRichTextOENode (id=0x0000000D): A jcidRichTextOENode specifies text content for an outline element and properties describing the text, such as formatting. The value of TextExtendedAscii specifies that this text is "Text with formatting". The paragraph style for this text is specified by ParagraphStyle (jcidParagraphStyleObject, id=0x0000000E). The value of TextRunIndex specifies that this text contains three runs: characters 0 through 4 ("Text "), 5 through 8 ("with"), and 9 through 19 (" formatting"). The value of TextRunFormatting specifies that the first and third

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runs share the same formatting (jcidParagraphStyleObjectForText, id=0x0000000F), and the second run has different formatting (jcidParagraphStyleObjectForText, id=0x00000010).

jcidParagraphStyleObject (id=0x0000000E): A jcidParagraphStyleObject specifies the formatting of a paragraph of text. For example, paragraphs using this style are "Calibri" (Font), size 11 pt. (FontSize), and the automatic color (FontColor).

jcidParagraphStyleObjectForText (id=0x0000000F): A jcidParagraphStyleObjectForText specifies the formatting and language of a text run within a paragraph of text. For example, the value of LanguageID specifies that the language of this text run is English (United States).

jcidParagraphStyleObjectForText (id=0x00000010): This jcidParagraphStyleObjectForText contains a Bold property with a value of **true**, which specifies that text runs using this formatting are bold.

jcidTitleNode (id=0x00000011): A jcidTitleNode specifies the title of a page. This title contains two outlines: one containing the text for the page title (jcidOutlineNode, id=0x00000012), and the other containing the date and time of the page (jcidOutlineNode, id=0x00000013). The values of OffsetFromParentHoriz and OffsetFromParentVert specify that this title is located at the page origin.

jcidOutlineNode (id=0x00000012): This jcidOutlineNode contains one outline element (jcidOutlineElementNode, id=0x00000014). The value of IsTitleText specifies that this outline contains the text for the page title.

jcidOutlineNode (id=0x00000013): This jcidOutlineNode contains the date and time of the page, as specified by the value of IsTitleDate. This outline contains two outline elements: one specifying the date of the page (jcidOutlineElementNode, id=0x00000016), and the other specifying the time of the page (jcidOutlineElementNode, id=0x00000017).

jcidOutlineElementNode (id=0x00000014): The content of this jcidOutlineElementNode is text (jcidRichTextOENode, id=0x00000015). The value of IsTitleText specifies that this outline element contains the text for the page title.

jcidRichTextOENode (id=0x00000015): This jcidRichTextOENode specifies the text of the page title, as specified by the value of **IsTitleText**. The value of TextExtendedAsciii ("Page Title") is identical to the value of CachedTitleString in the metadata for this page (jcidPageMetaData, id=0x00000006). The value of ParagraphStyle specifies the style for this paragraph (jcidParagraphStyleObject, id=0x00000020). This text contains a single text run (specified by the absence of TextRunIndex), and the formatting of this text run is specified by TextRunFormatting (jcidParagraphStyleObjectForText, id=0x0000000F).

jcidOutlineElementNode (id=0x00000016): The content of this jcidOutlineElementNode is text (jcidRichTextOENode, id=0x00000018).

jcidOutlineElementNode (id=0x00000017): The content of this **jcidOutlineElementNode** is text (jcidRichTextOENode, id=0x00000019).

jcidRichTextOENode (id=0x00000018): This jcidRichTextOENode specifies the date of the page, as specified by the value of IsTitleDate. The value of TextExtendedAscii is "Friday, January 01, 2010", which is the date the page was created as specified by the value of TopologyCreationTimeStamp in the page metadata (jcidPageMetaData, id=0x00000006). The value of ParagraphStyle specifies the style for this paragraph (jcidParagraphStyleObject, id=0x00000021). The text run shares the formatting of the page title text, as specified by TextRunFormatting (jcidParagraphStyleObjectForText, id=0x0000000F).

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jcidRichTextOENode (`id=0x00000019`): This **jcidRichTextOENode** specifies the time of the page, as specified by the value of IsTitleTime. The value of TextExtendedAscii is "12:00 PM", which is the time the page was created as specified by the value of **TopologyCreationTimeStamp** in the page metadata (`jcidPageMetaData, id=0x00000006`). This paragraph shares the style of the title date, as specified by the value of ParagraphStyle (`jcidParagraphStyleObject, id=0x00000021`). The text run shares the formatting of the title text and date, as specified by **TextRunFormatting** (`jcidParagraphStyleObjectForText, id=0x0000000F`).

jcidParagraphStyleObject (`id=0x00000020`): This jcidParagraphStyleObject specifies that paragraphs using this style have text of size 17 pt. (**FontSize**).

jcidParagraphStyleObject (`id=0x00000021`): This **jcidParagraphStyleObject** specifies that paragraphs using this style have gray text (**FontColor**) of size 10 pt. (**FontSize**).

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4 Security Considerations

None.

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5 Appendix A: 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 OneNote 2010
- Microsoft SharePoint Foundation 2010

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

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

<1> Section 2.2.17: This property is used by OneNote 2010 to identify sections that are part of a template. However, the correct element to use is the **Header.guidFile** element, as described in [MS-ONESTORE].

<2> Section 2.2.39: OneNote 2010 sets an empty jcidRevisionMetaData structure when it creates a new page.

<3> Section 2.2.39: OneNote 2010 sets an empty jcidRevisionMetaData structure when it creates a new page.

<4> Section 2.2.46: OneNote 2010 writes and updates more than just these structures.

<5> Section 2.2.49: OneNote 2010 writes and updates more than just these structures.

<6> Section 2.2.59: OneNote 2010 may write references to other types of objects.

<7> Section 2.2.80: OneNote Web App sets the value of [MS-ONESTORE] **JCID** to "0x00120001" for jcidParagraphStyleObject.

<8> Section 2.2.80: OneNote 2010 does not always set ParagraphStyle and the formatting characteristics of the paragraph are undefined.

<9> Section 2.2.81: The **PageObjectSpace** (section 2.1.10) and **jcidPageMetaData** (section 2.2.30) structures might be temporarily different. OneNote 2010 updates the structures during a subsequent write operation, after which the data in the structures is identical.

<10> Section 2.2.82: OneNote 2010 reads and writes objects referenced by **TextRunDataObject**.

<11> Section 2.2.90: OneNote 2010 reads and writes non-empty property sets in **TextRunData**.

<12> Section 2.3.50: OneNote Web App does not set LayoutCollisionPriority and may allow the title to overlap with other content on the page.

<13> Section 2.3.52: If audio or video drivers are not present when the file is inserted and the duration cannot be determined, then this property is not set.

<14> Section 2.3.87: OneNote 2010 extensibility model sets NoteTagPropertyStatus to zero.

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<15> Section 2.3.91: OneNote 2010 uses the **Unsynchronized** bit to indicate whether it has created a corresponding task in Office Outlook 2007 or Outlook 2010.

<16> Section 2.3.91: OneNote 2010 sets the **Removed** bit if it detects that the corresponding task has been removed from Office Outlook 2007 or Outlook 2010.

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6 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

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