

# [MS-OXOJRNL]: Journal Object Protocol Specification

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## Revision Summary

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# 1 Introduction

This document specifies the Journal Object Protocol, which defines properties of an object that models an entry in a **journal** or log.

## 1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

**Coordinated Universal Time (UTC)  
handle**

The following terms are defined in [\[MS-OXGLOS\]](#):

**Attachment object  
contact  
EntryID  
Folder object  
journal  
Journal object  
Message object  
metafile  
named property  
property ID  
recipient  
remote operation (ROP)  
restriction  
Rich Text Format (RTF)  
special folder  
store  
stream**

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

### 1.2.1 Normative References

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

[MS-OXCDATA] Microsoft Corporation, "[Data Structures](#)".

[MS-OXCFOLD] Microsoft Corporation, "[Folder Object Protocol Specification](#)".

[MS-OXCMSG] Microsoft Corporation, "[Message and Attachment Object Protocol Specification](#)".

[MS-OXCPRPT] Microsoft Corporation, "[Property and Stream Object Protocol Specification](#)".

[MS-OXOMSG] Microsoft Corporation, "[E-Mail Object Protocol Specification](#)".

[MS-OXOSFLD] Microsoft Corporation, "[Special Folders Protocol Specification](#)".

[MS-OXPROPS] Microsoft Corporation, "[Exchange Server Protocols Master Property List](#)".

[MS-OXRTFCP] Microsoft Corporation, "[Rich Text Format \(RTF\) Compression Algorithm](#)".

[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-OXCROPS] Microsoft Corporation, "[Remote Operations \(ROP\) List and Encoding Protocol Specification](#)".

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

### 1.3 Overview

The Journal Object Protocol allows the representation of journal entries in a messaging **store**. The Journal Object Protocol extends the Message and Attachment Object Protocol in that it defines new properties and adds **restrictions** to the properties that are defined in [\[MS-OXCMSG\]](#).

A **Journal object** represents a journal entry. A Journal object is characterized by the name of the activity, the duration, and any **contacts** or businesses that are associated with the activity, and is stored in a **Folder object**. This document specifies the properties that are unique to Journal objects and how such Journal objects are created, stored, and manipulated.

### 1.4 Relationship to Other Protocols

The Journal Object Protocol has the same dependencies as the Message and Attachment Object Protocol, which it extends. For details about the Message and Attachment Object Protocol, see [\[MS-OXCMSG\]](#).

### 1.5 Prerequisites/Preconditions

The Journal Object Protocol has the same prerequisites and preconditions as the Message and Attachment Object Protocol. For details about the Message and Attachment Object Protocol, see [\[MS-OXCMSG\]](#).

### 1.6 Applicability Statement

None.

### 1.7 Versioning and Capability Negotiation

None.

### 1.8 Vendor-Extensible Fields

This protocol provides no vendor extensibility beyond what is already specified in [\[MS-OXCMSG\]](#).

## 1.9 Standards Assignments

None.

## 2 Messages

### 2.1 Transport

The Journal Object Protocol uses the protocols specified in [\[MS-OXCPRPT\]](#) and [\[MS-OXCMSG\]](#) as its primary transport mechanism.

### 2.2 Message Syntax

A Journal object can be created and modified by clients and servers. Except where noted, this section defines constraints under which both clients and servers operate.

Clients operate on Journal objects by using the Message and Attachment Object Protocol [\[MS-OXCMSG\]](#). How a server operates on Journal objects is implementation-dependent. The results of any such operations are exposed to clients in a manner that is consistent with this specification.

Unless otherwise specified, a Journal object adheres to all property constraints specified in [\[MS-OXPROPS\]](#) and [\[MS-OXCMSG\]](#). A Journal object can also contain other properties [<1>](#), [<2>](#) that are defined in [\[MS-OXPROPS\]](#), but these properties have no impact on the Journal Object Protocol.

#### 2.2.1 Journal Object Properties

##### 2.2.1.1 PidLidLogType Property

Type: **PtypString** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidLidLogType** property ([\[MS-OXPROPS\]](#) section 2.162) briefly describes the activity that is being recorded.

##### 2.2.1.2 PidLidLogTypeDesc Property

Type: **PtypString** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidLidLogTypeDesc** property ([\[MS-OXPROPS\]](#) section 2.163) describes the activity that is being recorded.

##### 2.2.1.3 PidLidLogStart Property

Type: **PtypTime** ([\[MS-OXCDATA\]](#) section 2.11.1), in **Coordinated Universal Time (UTC)**

The **PidLidLogStart** property ([\[MS-OXPROPS\]](#) section 2.161) contains the time at which the activity began; MUST be equal to the **PidLidCommonStart** property ([\[MS-OXCMSG\]](#) section 2.2.1.18), as specified in [\[MS-OXCMSG\]](#).

##### 2.2.1.4 PidLidLogEnd Property

Type: **PtypTime** ([\[MS-OXCDATA\]](#) section 2.11.1), in UTC

The **PidLidLogEnd** property ([\[MS-OXPROPS\]](#) section 2.159) contains the time at which the activity ended; MUST be equal to the **PidLidCommonEnd** property ([\[MS-OXCMSG\]](#) section 2.2.1.19), and therefore greater than or equal to the **PidLidLogStart** property (section [2.2.1.3](#)), as specified in [\[MS-OXCMSG\]](#).



### 2.2.1.5 PidLidLogDuration Property

Type: **PtypInteger32** ([\[MS-OXCDATA\]](#) section 2.11.1), signed

The **PidLidLogDuration** property ([\[MS-OXPROPS\]](#) section 2.158) contains the duration in minutes of the activity; MUST be the difference between the values of the **PidLidLogEnd** (section [2.2.1.4](#)) and **PidLidLogStart** (section [2.2.1.3](#)) properties.

### 2.2.1.6 PidLidLogFlags Property

Type: **PtypInteger32** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidLidLogFlags** property ([\[MS-OXPROPS\]](#) section 2.160) is a bit field that contains metadata about the Journal object; MUST be either zero or the following value.

Value	Meaning
0x00000000	This Journal object has no journal-associated attachment (section <a href="#">2.2.2.6</a> ).
0x40000000	This Journal object has a journal-associated attachment (section <a href="#">2.2.2.6</a> ).

### 2.2.1.7 PidLidLogDocumentPrinted Property

Type: **PtypBoolean** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidLidLogDocumentPrinted** property ([\[MS-OXPROPS\]](#) section 2.155) indicates whether the document was printed during journaling.

### 2.2.1.8 PidLidLogDocumentSaved Property

Type: **PtypBoolean** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidLidLogDocumentSaved** property ([\[MS-OXPROPS\]](#) section 2.157) indicates whether the document was saved during journaling.

### 2.2.1.9 PidLidLogDocumentRouted Property

Type: **PtypBoolean** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidLidLogDocumentRouted** property ([\[MS-OXPROPS\]](#) section 2.156) indicates whether the document was sent to a routing **recipient** during journaling.

### 2.2.1.10 PidLidLogDocumentPosted Property

Type: **PtypBoolean** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidLidLogDocumentPosted** property ([\[MS-OXPROPS\]](#) section 2.154) indicates whether the document was sent by e-mail or posted to a server folder during journaling.

## 2.2.2 Additional Property Constraints

This document specifies additional constraints on the following properties beyond what is specified in [\[MS-OXCMSG\]](#).

### 2.2.2.1 PidTagMessageClass Property

Type: **PtypString** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidTagMessageClass** property ([\[MS-OXCMSG\]](#) section 2.2.1.3) specifies the type of the message item; MUST be "IPM.Activity" or begin with "IPM.Activity", in addition to meeting the criteria specified in [\[MS-OXCMSG\]](#).

### 2.2.2.2 Best Body Properties

The main text of the Journal object; MUST be stored in **PidTagRtfCompressed** ([\[MS-OXCMSG\]](#) section 2.2.1.48.4), as specified in [\[MS-OXRTFCP\]](#).

### 2.2.2.3 PidTagIconIndex Property

Type: **PtypInteger32** ([\[MS-OXCDATA\]](#) section 2.11.1)

The **PidTagIconIndex** property ([\[MS-OXOMSG\]](#) section 2.2.1.10) specifies which icon is to be used by a user interface when displaying a group of Journal objects; MUST be one of the values listed in the following table.

Value	Meaning
0x00000601	Conversation
0x00000612	Document
0x00000602	E-mail message
0x00000609	Fax
0x0000060C	Letter
0x00000613	Meeting
0x00000614	Meeting cancellation
0x00000603	Meeting request
0x00000604	Meeting response
0x00000610	Microsoft Access
0x0000060E	Microsoft Excel
0x0000060F	Microsoft PowerPoint
0x0000060D	Microsoft Word
0x00000608	Note
0x0000060A	Phone call
0x00000615	Remote session
0x0000060B	Task
0x00000606	Task request

Value	Meaning
0x00000607	Task response
0x00000003	Other

#### 2.2.2.4 PidLidCompanies Property

The **PidLidCompanies** property ([\[MS-OXPROPS\]](#) section 2.64) contains a list of company names, each of which is associated with a contact (3) that is specified in the **PidLidContacts** property ([\[MS-OXCMSG\]](#) section 2.2.1.49.2).

#### 2.2.2.5 Recipients

A Journal object MUST NOT have recipients.

#### 2.2.2.6 Journal-Associated Attachments

A journal-associated attachment links a Journal object with another object, such as a document. A journal-associated attachment follows the specifications for structured storage **Attachment objects** in [\[MS-OXCMSG\]](#), except that certain properties on the Attachment object MUST be set as listed in the following table.

Property	Value
<b>PidTagAttachmentLinkId</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.2.22)	0x00000004
<b>PidTagAttachMethod</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.2.9)	0x00000006
<b>PidTagRenderingPosition</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.2.16)	0xFFFFFFFF
<b>PidTagAttachmentFlags</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.2.23)	0x00000000
<b>PidTagAttachmentHidden</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.2.24)	0x00
<b>PidTagAccess</b> ( <a href="#">[MS-OXCPRPT]</a> section 2.2.1.1)	0x00000002

The contents of the structured storage are written to the **PidTagAttachDataBinary** property ([\[MS-OXCMSG\]](#) section 2.2.2.7). The structured storage contains eight **streams**, the names and contents of which are detailed in the following table.

Name	Contents
<b>IOlePres000</b>	A <b>metafile</b> that contains the icon to be used when rendering the attachment.
<b>\3MailStream*</b>	Binary contents: 04 00 00 00 00 00 00 00 00 00 00 00
<b>MailMsgAttFld</b>	The <b>EntryID</b> of the folder of the linked <b>Message object</b> .
<b>MailMsgAttMdb</b>	The EntryID of the store of the linked Message object.
<b>MailMsgAttMsg</b>	The EntryID of the linked Message object; required only if <b>MailMsgAttSrchKey</b> is empty.
<b>MailMsgAttSrchFld</b>	The object EntryID of the Sent Items <b>special folder</b> <a href="#">[MS-OXOSFLD]</a> of the linked Message object.

Name	Contents
<b>MailMsgAttSrchKey</b>	<b>PidTagSearchKey</b> ( <a href="#">[MS-OXCPRPT]</a> section 2.2.1.9), as specified in <a href="#">[MS-OXCMSG]</a> , of the linked Message object; required only if <b>MailMsgAttMsg</b> is empty.
<b>MailMsgAttSubject</b>	<b>PidTagSubject</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.1.46) of the linked Message object.

\* The \3 in \3MailStream represents the byte 0x03.

A Journal object MUST NOT have more than one journal-associated attachment.

## 3 Protocol Details

General protocol details, as specified in [\[MS-OXPROPS\]](#) and [\[MS-OXCMSG\]](#), apply to Journal objects.

### 3.1 Common Details

The client and server roles are to create and operate on electronic journal entries, and otherwise operate in their roles, as specified in [\[MS-OXCMSG\]](#).

#### 3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This specification does not mandate that implementations adhere to this model as long as the external behavior of the implementation is consistent with the behavior described in this specification.

##### 3.1.1.1 Journal Objects

A Journal object extends the Message object, as defined in [\[MS-OXCMSG\]](#).

##### 3.1.1.2 Journal Object Folders

A Journal object is created in the journal special folder, as defined in [\[MS-OXOSFLD\]](#), unless the end user or user agent explicitly specifies another Folder object.

##### 3.1.2 Timers

None.

##### 3.1.3 Initialization

None.

##### 3.1.4 Higher-Layer Triggered Events

###### 3.1.4.1 Creation of a Journal Object

To create a Journal object, the server or client creates a Message object, as specified in [\[MS-OXCMSG\]](#), sets properties in accordance with the requirements in section [2](#) and [\[MS-OXCPRPT\]](#), and saves the resulting Message object, as specified in [\[MS-OXCMSG\]](#).

###### 3.1.4.2 Modification of a Journal Object

When modifying a Journal object, the client or server creates a Message object as specified in [\[MS-OXCMSG\]](#), modifies any of the properties in accordance with the requirements in section [2](#) and [\[MS-OXCPRPT\]](#), and saves the Message object as specified in [\[MS-OXCMSG\]](#).

###### 3.1.4.3 Deletion of a Journal Object

Journal objects have no special semantics related to deletion beyond what is defined in [\[MS-OXCFCOLD\]](#).

### **3.1.5 Message Processing Events and Sequencing Rules**

None.

### **3.1.6 Timer Events**

None.

### **3.1.7 Other Local Events**

None.

## 4 Protocol Examples

### 4.1 Journal Object for a Telephone Call Example

Joe creates a Journal object for a telephone call, records the start and end times, puts notes in the body, and links a contact and company with it. The following is a description of what a client might do to accomplish Joe's intentions and the responses a server might return. For information about **remote operations (ROPs)**, see [\[MS-OXCPRPT\]](#) and [\[MS-OXCMSG\]](#).

Before manipulating Journal objects, the client has to ask the server to perform a mapping from **named properties** to **property IDs**, by using the **RopGetPropertyIDsFromNames** ROP ([\[MS-OXCROPS\]](#) section 2.2.8.1).

Property	Property set GUID	Property LID
<b>PidLidCommonStart</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.1.18)	{00062008-0000-0000-C000-000000000046}	0x00008516
<b>PidLidCommonEnd</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.1.19)	{00062008-0000-0000-C000-000000000046}	0x00008517
<b>PidLidCompanies</b> (section <a href="#">2.2.2.4</a> )	{00062008-0000-0000-C000-000000000046}	0x00008539
<b>PidLidContacts</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.1.49.2)	{00062008-0000-0000-C000-000000000046}	0x0000853A
<b>PidLidContactLinkName</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.1.49.3)	{00062008-0000-0000-C000-000000000046}	0x00008586
<b>PidLidContactLinkEntry</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.1.49.1)	{00062008-0000-0000-C000-000000000046}	0x00008585
<b>PidLidContactLinkSearchKey</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.1.49.4)	{00062008-0000-0000-C000-000000000046}	0x00008584
<b>PidLidLogTypeDesc</b> (section <a href="#">2.2.1.2</a> )	{0006200A-0000-0000-C000-000000000046}	0x00008712
<b>PidLidLogType</b> (section <a href="#">2.2.1.1</a> )	{0006200A-0000-0000-C000-000000000046}	0x00008700
<b>PidLidLogStart</b> (section <a href="#">2.2.1.3</a> )	{0006200A-0000-0000-C000-000000000046}	0x00008706
<b>PidLidLogEnd</b> (section <a href="#">2.2.1.4</a> )	{0006200A-0000-0000-C000-000000000046}	0x00008708
<b>PidLidLogDuration</b> (section <a href="#">2.2.1.5</a> )	{0006200A-0000-0000-C000-000000000046}	0x00008707
<b>PidLidLogFlags</b> (section <a href="#">2.2.1.6</a> )	{0006200A-0000-0000-C000-000000000046}	0x0000870C
<b>PidLidLogDocumentPrinted</b> (section <a href="#">2.2.1.7</a> )	{0006200A-0000-0000-C000-000000000046}	0x0000870E
<b>PidLidLogDocumentSaved</b> (section <a href="#">2.2.1.8</a> )	{0006200A-0000-0000-C000-	0x0000870F

Property	Property set GUID	Property LID
	000000000046}	
<b>PidLidLogDocumentRouted</b> (section <a href="#">2.2.1.9</a> )	{0006200A-0000-0000-C000-000000000046}	0x00008710
<b>PidLidLogDocumentPosted</b> (section <a href="#">2.2.1.10</a> )	{0006200A-0000-0000-C000-000000000046}	0x00008711

The server might respond with the following identifiers, which will be used in the example that follows. (The actual identifiers are at the discretion of the server.)

Property	Property ID
<b>PidLidCommonStart</b>	0x81bd
<b>PidLidCommonEnd</b>	0x81bc
<b>PidLidCompanies</b>	0x800c
<b>PidLidContacts</b>	0x8019
<b>PidLidContactLinkName</b>	0x802b
<b>PidLidContactLinkEntry</b>	0x82f6
<b>PidLidContactLinkSearchKey</b>	0x82f7
<b>PidLidLogTypeDesc</b>	0x8230
<b>PidLidLogType</b>	0x801a
<b>PidLidLogStart</b>	0x8233
<b>PidLidLogEnd</b>	0x8234
<b>PidLidLogDuration</b>	0x8235
<b>PidLidLogFlags</b>	0x8236
<b>PidLidLogDocumentPrinted</b>	0x8238
<b>PidLidLogDocumentSaved</b>	0x8239
<b>PidLidLogDocumentRouted</b>	0x823a
<b>PidLidLogDocumentPosted</b>	0x823b

To create a Journal object, the client uses the **RopCreateMessage** ROP ([\[MS-OXCROPS\]](#) section 2.2.6.2). The server returns a success code and a **handle** to a Message object.

After Joe has input his content for the Journal object, the client uses the **RopSetProperties** ROP ([\[MS-OXCROPS\]](#) section 2.2.8.6) to transmit his data to the server.



Property	Property ID	Data type	Value
<b>PidLidCommonStart</b>	0x81bd	0x0040 (PtypTime)	2008/02/20 23:02:00.000
<b>PidLidCommonEnd</b>	0x81bc	0x0040 (PtypTime)	2008/02/20 23:12:00.000
<b>PidLidCompanies</b>	0x800c	0x101f (PtypMultipleString)	[1 entry] "Contoso Pharmaceuticals"
<b>PidLidContacts</b>	0x8019	0x101f (PtypMultipleString)	[1 entry] "Adam Barr"
<b>PidLidContactLinkName</b>	0x802b	0x001f (PtypString)	"Adam Barr"
<b>PidLidContactLinkEntry</b>	0x82f6	0x0102 (PtypBinary)	See Note 1.
<b>PidLidContactLinkSearchKey</b>	0x82f7	0x0102 (PtypBinary)	See Note 2.
<b>PidLidLogTypeDesc</b>	0x8230	0x001f (PtypString)	"Phone call"
<b>PidLidLogType</b>	0x801a	0x001f (PtypString)	"Phone call"
<b>PidLidLogStart</b>	0x8233	0x0040 (PtypTime)	2008/02/20 23:02:00.000
<b>PidLidLogEnd</b>	0x8234	0x0040 (PtypTime)	2008/02/20 23:12:00.000
<b>PidLidLogDuration</b>	0x8235	0x0003 (PtypInteger32)	0x0000000A
<b>PidLidLogFlags</b>	0x8236	0x0003 (PtypInteger32)	0x00000000
<b>PidLidLogDocumentPrinted</b>	0x8238	0x000b (PtypBoolean)	0x00
<b>PidLidLogDocumentSaved</b>	0x8239	0x000b (PtypBoolean)	0x00
<b>PidLidLogDocumentRouted</b>	0x823a	0x000b (PtypBoolean)	0x00
<b>PidLidLogDocumentPosted</b>	0x823b	0x000b (PtypBoolean)	0x00
<b>PidTagRtfCompressed</b> ( <a href="#">[MS-OXCMSG]</a> section 2.2.1.48.4)	0x1009	0x0102 (PtypBinary)	See Note 3, below.
<b>PidTagIconIndex</b> ( <a href="#">[MS-OXOMSG]</a> section 2.2.1.10)	0x1080	0x0003 (PtypInteger32)	0x0000060A

Note 1: The **PidLidContactLinkEntry** property contains a representation of the contact link, as described in [\[MS-OXCMSG\]](#).

Note 2: The **PidLidContactLinkSearchKey** property contains a representation of the contact link, as described in [\[MS-OXCMSG\]](#).

Note 3: The **PidTagRtfCompressed** property ([\[MS-OXCMSG\]](#) section 2.2.1.48.4) contains the compressed **Rich Text Format (RTF)** representation of the body, as specified in [\[MS-OXRTRFCP\]](#).

When Joe is ready to save his changes, the client uses the **RopSaveChangesMessage** ROP ([\[MS-OXCROPS\]](#) section 2.2.6.3) to commit the properties on the server, and then the **RopRelease** ROP ([\[MS-OXCROPS\]](#) section 2.2.15.3) to release the Journal object.

The values of some properties will change during the execution of the **RopSaveChangesMessage** ROP, but the properties specified in this document will not change.

## 5 Security

### 5.1 Security Considerations for Implementers

There are no special security considerations specific to the Journal Object Protocol. General security considerations pertaining to the underlying transport apply, as described in [\[MS-OXCMMSG\]](#) and [\[MS-OXCPRPT\]](#).

### 5.2 Index of Security Parameters

None.

## 6 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® Exchange Server 2003
- Microsoft® Exchange Server 2007
- Microsoft® Exchange Server 2010
- Microsoft® Office Outlook® 2003
- Microsoft® Office Outlook® 2007
- Microsoft® Outlook® 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](#): Office Outlook 2003 and Office Outlook 2007 set the following properties regardless of user input, but their values have no meaning in the context of this protocol: **PidLidAgingDontAgeMe, PidLidCurrentVersion, PidLidCurrentVersionName, PidLidPrivate, PidLidSideEffects, PidTagAlternateRecipientAllowed, PidTagClientSubmitTime, PidTagDeleteAfterSubmit, PidTagImportance, PidTagMessageDeliveryTime, PidTagPriority, PidTagReadReceiptRequested, PidTagSensitivity, PidLidReminderDelta, PidLidReminderSet, PidLidReminderTimeTime, PidLidTaskMode**. For details about these properties, see [\[MS-OXPROPS\]](#).

<2> [Section 2.2](#): Office Outlook 2007 sets the following properties, regardless of user input, but their values have no meaning in the context of this protocol: **PidLidPercentComplete, PidLidTaskActualEffort, PidLidTaskComplete, PidLidTaskAssigner, PidLidTaskAcceptanceState, PidLidTaskEstimatedEffort, PidLidTaskFFixOffline, PidLidTaskFRecurring, PidLidTaskNoCompute, PidLidTaskOrdinal, PidLidTaskOwnership, PidLidTaskRole, PidLidTaskState, PidLidTaskStatus, PidLidTaskVersion, PidLidTeamTask, PidLidValidFlagStringProof**. For details about these properties, see [\[MS-OXPROPS\]](#).

## 7 Change Tracking

This section identifies changes that were made to the [MS-OXOJRNL] protocol document between the August 2011 and October 2011 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

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

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

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

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

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

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

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

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- Obsolete document removed.

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

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact [protocol@microsoft.com](mailto:protocol@microsoft.com).

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">2.2.2.4 PidLidCompanies Property</a>	Added new section to define the PidLidCompanies property.	N	New content added.

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