Message API (MAPI) definitions

Microsoft Outlook MAPI definitions for Exchange (ESEDB) and Outlook (NK2 and PFF) formats

By Joachim Metz <jbmetz@users.sourceforge.net>

Summary

The Microsoft (Office) Outlook Messaging API (MAPI) is used in multiple file formats.

This document is intended as a working document for the ESEDB, NK2 and PFF specification. Which should allow existing Open Source forensic tooling to be able to process this file type.

Document information

Author(s): By Joachim Metz <jbmetz@users.sourceforge.net>

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License

Version

Version	Author	Date	Comments
0.0.1	J.B. Metz	Jan 29, 2009	Initial version based on PFF documentation.
0.0.2	J.B. Metz	Feb 1, 2009	Added additional information.
0.0.3	J.B. Metz	Mar 21, 2009 Mar 22, 2009	Added types encountered by C. Byington of the libpst project. Added long property types. Updated with information from libmapi-0.8.2 Worked on to dos.
0.0.4	J.B. Metz	Mar 25, 2009 Mar 26, 2009 Mar 27, 2009 Mar 28, 2009	Additional information and corrections. Added NT security descriptor information. Additional information about several MAPI data types.
0.0.5	J.B. Metz	Mar 28, 2009 Apr 8, 2009	Small fixes and additions.
0.0.6	J.B. Metz	May 13, 2009 May 16, 2009	Update for recipient types based on patch by K. Mazur.
0.0.7	J.B. Metz	May 16, 2009 May 17, 2009	Added information about MAPI X.400 object identifiers
0.0.8	J.B. Metz	May 17, 2009 May 25, 2009	Added information about conversation index Update for multi value string based on patch by W. Brown
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0.0.10	J.B. Metz	June 23, 2009 June 27, 2009	Corrected multi value for non variable sized types.
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0.0.12	J.B. Metz	July 14, 2009 July 15, 2009 July 16, 2009 July 19, 2009	Added information about MAPI definitions
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Version	Author	Date	Comments
		August 8, 2009	Added information about MAPI definitions
0.0.14	J.B. Metz	September 17, 2009	Added information about invalid message body codepage.
0.0.15	J.B. Metz	October 20, 2009	Additional findings.
0.0.16	J.B. Metz	January 27, 2010 January 28, 2010 January 29, 2010	Additional findings from [MS-PST] Update value type identifiers to new format.
0.0.17	J.B. Metz	April 29, 2010	Additional information about codepage 1200.
0.0.18	J.B. Metz	June 2010	Additional information about Exchange MAPI properties.
0.0.19	J.B. Metz	July 2010	Additional information about IPM classes.
0.0.20	J.B. Metz	October 2010	Additional information about one-off entry identifier
0.0.21	J.B. Metz	January 2011	License version update Additional information about MAPI properties

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1. Overview

The Microsoft (Office) Outlook Messaging API (MAPI) is used in multiple file formats.

It is known to be used in the following file formats:
• Exchange MAPI database (MDB) on top of the Extensible Storage Engine Database format (EDB)
• Nickfile (NK2)
• Personal Folder File (PST, OST, PAB)

2. Data types

The MAPI defines property data types. These are identified by Ptyp or PT_. In this document the data types are referred to as value types.

Value type	Identifier	Description
0x0000	PtypUnspecified (PT_UNSPECIFIED, PT_UNKNOWN)	Reserved for interface use (type is not important to caller)
0x0001	PtypNull (PT_NULL)	NULL (empty value)
0x0002	PtypInteger16 (PT_SHORT, PT_I2)	Integer 16-bit signed
0x0003	PtypInteger32 (PT_LONG, PT_I4)	Integer 32-bit signed
0x0004	PtypFloating32 (PT_FLOAT, PT_R4)	Floating point single precision (32-bit)
0x0005	PtypFloating64 (PT_DOUBLE, PT_R8)	Floating point double precision (64-bit)
0x0006	PtypCurrency (PT_CURRENCY)	Currency (64-bit) The currency is stored as: • 32-bit low part • 32-bit high part It contains a scaled integer representation of a decimal number with four digits to the right of the decimal point. For example, a stored value of 327500 represents a currency value of 32.7500.
0x0007	PtypFloatingTime (PT_APPTIME)	Floating (or application) Time (64-bit) The floating time is a double precision floating point and contains the whole number part represents the number of days since December 30, 1899, and the fractional part represents the fraction of a day since midnight.
0x000a	PtypErrorCode (PT_ERROR)	Error value (32-bit) SCODE

Value type	Identifier	Description
		See section: 10 Error values (SCODE)
0x000b	PtypBoolean (PT_BOOLEAN)	Boolean 0 == false, 0 != true Some Microsoft documentation states it to be 8-bit strictly using 0 = false and 1 = true
0x000d	PtypObject, PtypEmbeddedTable (PT_OBJECT)	Embedded COM object or table Variable of size
0x0014	PtypInteger64 (PT_LONGLONG, PT_I8)	Integer 64-bit signed
0x001e	PtypString8 (PT_STRING8)	(extended) ASCII or Single Byte Character (SBC) string The string in the file is not always terminated by a NUL-character The string is formatted using a code page.
0x001f	PtypString (PT_UNICODE)	Unicode string The string uses UTF-16 little-endian (LE) without the byte order mark (BOM) The string in the file is not always terminated by a NUL-character
0x0040	PtypTime (PT_SYSTIME)	Windows Filetime or System Time (64-bit) The filetime is stored as: • 32-bit low part • 32-bit high part It contains the number of 100ns periods since January 1, 1601
0x0048	PtypGuid (PT_CLSID)	(OLE) GUID or Class identifier (128-bit) The GUID is stored as: • Unsigned 32-bit Integer • Unsigned 16-bit Integer • Unsigned 16-bit Integer • 8 byte array
0x00fb	PtypServerId (PT_SVREID)	Server identifier Variable of size Contains a 16-bit count followed by server identifier structure s

Value type	Identifier	Description
0x00fd	PtypRestriction (PT_SRESTRICT)	Restriction Variable of size Contains an array of restriction structure s
0x00fe	PtypRuleAction (PT_ACTIONS)	Rule actions Variable of size Contains a 16-bit count followed by rule actions structure s
0x0102	PtypBinary (PT_BINARY)	Binary data Variable of size
0x1002	PtypMultipleInteger16 (PT_MV_SHORT, PT_MV_I2)	Array of Integer 16-bit signed values
0x1003	PtypMultipleInteger32 (PT_MV_LONG, PT_MV_I4)	Array of Integer 32-bit signed values
0x1004	PtypMultipleFloating32 (PT_MV_FLOAT, PT_MV_R4)	Array of Floating point single precision (32-bit) values
0x1005	PtypMultipleFloating64 (PT_MV_DOUBLE, PT_MV_R8)	Array of Floating point double precision (64-bit) values
0x1006	PtypMultipleCurrency (PT_MV_CURRENCY)	Array of Currency values
0x1007	PtypMultipleFloatingTime (PT_MV_APPTIME)	Array of Floating time values
0x1014	PtypMultipleInteger64 (PT_MV_LONGLONG, PT_MV_I8)	Array of Integer 64-bit signed values
0x101e	PtypMultipleString8 (PT_MV_STRING8)	Array of (extended) ASCII or SBC string values
0x101f	PtypMultipleString (PT_MV_UNICODE)	Array of Unicode (UTF-16 LE) string values
0x1040	PtypMultipleTime (PT_MV_SYSTIME)	Array of Windows Filetime (64-bit) values
0x1048	PtypMultipleGuid	Array of GUID (Class identifier) values

Value type	Identifier	Description
	(PT_MV_CLSID)	
0x1102	PtypMultipleBinary (PT_MV_BINARY)	Array of Binary data values

0x1000 => Multi value flag
0x2000 => Multi instance flag

2.1. Server identifier structure

The server identifier refers to either a folder or message object. The server identifier structure consist of:

offset	size	value	description
0	1		Structure definition used 0x00 => custom definition 0x01 => Microsoft definition
1	8		Folder identifier
9	8		Message identifier
17	4		Index within an array of server identifiers

2.2. Array (multi) value types

The array (multi) value types consist of a variable size:

offset	size	value	description
0	...		(The element data dependent on the size of the type)

The array (multi) value types of an ASCII and Unicode string and Binary Data consist of a variable size:

offset	size	value	description
0	4		The number of elements
4	(amount x 4)		Byte offset of the element data
...	...		(The element data)

The byte offsets can contain duplicate values. This is used to indicate an empty value (NULL).

Note that the array (multi) value type can consists of a single element.

3. The property identifiers

The MAPI defines property identifiers/names. These are identified by PidTag, ptag or PR_. The property type is a combination of the item type and the item value type.

Transmittable properties are transferred with a message; nontransmittable properties are not transferred with a message. Nontransmittable properties usually contain information that is of value only to clients and service providers operating with the current session.

Type range	Description
0x0000	Reserved for the special value PR_NULL (reserved by MAPI)
0x0001 – 0x0bff	Message envelope properties (defined by MAPI)
0x0c00 – 0x0dff	Recipient properties (defined by MAPI)
0x0e00 – 0x0fff	Non-transmittable message properties (defined by MAPI)
0x1000 – 0x2fff	Message content properties (defined by MAPI)
0x3000 - 0x33ff	Common object properties that appear on multiple objects (defined by MAPI)
0x3400 - 0x35ff	Message store properties (defined by MAPI)
0x3600 - 0x36ff	Folder and address book container properties (defined by MAPI)
0x3700 – 0x38ff	Attachment properties (defined by MAPI)
0x3900 – 0x39ff	Address book properties (defined by MAPI)
0x3a00 – 0x3bff	Messaging user properties (defined by MAPI)
0x3c00 – 0x3cff	Distribution list properties (defined by MAPI)
0x3d00 – 0x3dff	Profile properties (defined by MAPI)
0x3e00 – 0x3fff	Status object properties (defined by MAPI)
0x4000 - 0x57ff	Message envelope properties (defined by transport providers)
0x5800 – 0x5fff	Recipient properties (defined by transport and address book providers)
0x6000 - 0x65ff	Non-transmittable message properties (defined by clients)
0x6600 – 0x67ff	Non-transmittable properties (defined by a service provider) These properties can be visible or invisible to users.
0x67f0 – 0x67ff	Secure profile properties. These properties can be hidden and encrypted.
0x6800 – 0x7bff	Message content properties for custom message classes (defined by creators of those classes)
0x7c00 – 0x7fff	Non-transmittable properties for custom message classes (defined by creators of those classes)
0x8000 – 0xfffe	Named properties (defined by clients and occasionally service providers) These properties are identified by name through the IMAPIProp::GetNamesFromIDs and IMAPIProp::GetIDsFromNames methods.
0xffff	Special error value PROP_ID_INVALID (reserved by MAPI)

The MAPI uses the _A and _W additives to signify if the property is an ASCII (single byte character) or a Wide (multiple byte character) string. This document does not bother with this distinction. The additive _O is used for some types, it refers to the direct use of embedded object instead of data types.

3.1. Reserved (0x0000)

Item type	Value type	Identifier	Description
0x0000	0x0001	PidTagNull (PR_NULL)	NULL NULL (empty value) Represents a null value or setting of a property or reserves array space.

3.2. Message envelope properties (0x0001 – 0x0bff)

Item type	Value type	Identifier	Description
0x0001	0x0003	PidTagAcknowledgementMode (PR_ACKNOWLEDGEMENT_MODE)	Acknowledgment mode Integer 32-bit signed Contains the identifier of the mode for message acknowledgment. See section: 4.1 Acknowledgment mode definitions
0x0002	0x000b	PidTagAlternateRecipientAllowed (PR_ALTERNATE_RECIPIENT_ALLOWED)	Alternate recipient allowed Boolean Contains TRUE if the sender permits auto forwarding of this message.
	0x001e 0x001f		<mark>Unknown</mark> ASCII or Unicode string
0x0003	0x0102	PidTagAuthorizingUsers (PR_AUTHORIZING_USERS)	Authorized users Binary data Contains a list of entry identifiers for users who have authorized the sending of a message.
0x0004	0x001e 0x001f	PidTagAutoForwardComment (PR_AUTO_FORWARD_COMMENT)	Auto forward comment ASCII or Unicode string Contains a comment added by the auto-forwarding agent.
0x0005	0x000b	PidTagAutoForwarded (PR_AUTO_FORWARDED)	Auto forwarded Boolean Contains TRUE if the client requests an X-MS-Exchange-Organization-AutoForwarded header field.
0x0006	0x0102	PidTagContentConfidentialityAlgorithmId (PR_CONTENT_CONFIDENTIALITY_ALGORITHM_ID)	Content confidentiality algorithm identifier Binary data Contains an identifier for the algorithm used to confirm message content confidentiality.
0x0007	0x0102	PidTagContentCorrelator (PR_CONTENT_CORR	Original content correlator Binary data

Item type	Value type	Identifier	Description
		ELATOR)	Contains a value the message sender can use to match a report with the original message.
0x0008	0x001e 0x001f	PidTagContentIdentifier (PR_CONTENT_IDENTIFIER)	Content identifier ASCII or Unicode string Contains a key value that enables the message recipient to identify its content.
0x0009	0x0003	PidTagContentLength (PR_CONTENT_LENGTH)	Content length Integer 32-bit signed Contains the message size in bytes.
0x000a	0x000b	PidTagContentReturnRequested (PR_CONTENT_RETURN_REQUESTED)	Content return requested Boolean Contains TRUE if a message should be returned with a nondelivery report.
0x000b	0x0102	PidTagConversationKey (PR_CONVERSATION_KEY)	Conversation key Binary data Contains the mail conversation key which consists of a GUID
0x000c	0x0102	PidTagConversionEits (PR_CONVERSION_EITS)	Conversion encoded information types Binary data Contains the encoded information types (EITs) that are applied to a message in transit to describe conversions.
0x000d	0x000b	PidTagConversionWithLossProhibited (PR_CONVERSION_WITH_LOSS_PROHIBITED)	Text conversions that loose information is prohibited Boolean
0x000e	0x0102	PidTagConvertedEits (PR_CONVERTED_EITS)	Encoded information types (EITS) conversation identifier Binary data Contains a conversion identifier for the types of text in a message.
0x000f	0x0040	PidTagDeferredDeliveryTime (PR_DEFERRED_DELIVERY_TIME)	Sender requested delivery date and time Filetime Contains the date and time when a message sender wants a message delivered.
0x0010	0x0040	PidTagDeliverTime (PR_DELIVER_TIME)	Message delivery time Filetime Contains the date and time when the original message was delivered.
0x0011	0x0003	PidTagDiscardReason (PR_DISCARD_REASON)	Message discard reason Integer 32-bit signed Contains a reason why a message transfer agent (MTA) has discarded a

Item type	Value type	Identifier	Description
			message.
0x0012	0x000b	PidTagDisclosureOfRecipients (PR_DISCLOSURE_OF_RECIPIENTS)	Disclosure of recipient allowed Boolean
0x0013	0x0102	PidTagDistributionListExpansionHistory (PR_DL_EXPANSION_HISTORY)	Distribution list expansion history Binary data Contains a history showing how a distribution list has been expanded during message transmission.
0x0014	0x000b	PidTagDistributionListExpansionProhibited (PR_DL_EXPANSION_PROHIBITED)	Expansion of distribution list is prohibited Boolean
0x0015	0x0040	PidTagExpiryTime (PR_EXPIRY_TIME)	Message expiry time Filetime Contains the date and time when the messaging system can invalidate the content of a message.
0x0016	0x000b	PidTagImplicitConversionProhibited (PR_IMPLICIT_CONVERSION_PROHIBITED)	Implicit message text conversions prohibited Boolean
0x0017	0x0003	PidTagImportance (PR_IMPORTANCE)	Importance Integer 32-bit signed Contains a value that indicates the message sender's opinion of the importance of a message. See section: 4.2 Importance definitions
0x0018	0x0102	PR_IPM_ID	Interpersonal message X400 identifier Binary data <mark>(No longer supported as of ...)</mark>
0x0019	0x0040	PidTagLatestDeliveryTime (PR_LATEST_DELIVERY_TIME)	Latest message delivery time Filetime Contains the latest date and time when a message transfer agent (MTA) should deliver a message.
0x001a	0x001e 0x001f	PidTagMessageClass (PR_MESSAGE_CLASS)	Message class ASCII or Unicode string Contains a text string that identifies the sender-defined message class. See section: 8.3 Message class definitions
	0x0040		<mark>Unknown</mark> Filetime

Item type	Value type	Identifier	Description
0x001b	0x0102	PidTagMessageDeliveryId (PR_MESSAGE_DELIVERY_ID)	Message delivery identifier Binary data
0x001e	0x0102	PidTagMessageSecurityLabel (PR_MESSAGE_SECURITY_LABEL)	Message security label Binary data
0x001f	0x0102	PidTagObsoletedMessageIds (PR_OBSOLETED_IPMS)	Obsolete message identifiers Binary data Contains the identifiers of messages that this message supersedes. <mark>Search key format</mark>
0x0020	0x0102	PidTagOriginallyIntendedRecipientName (PR_ORIGINALLY_INTENDED_RECIPIENT_NAME)	Originally intended recipient name Binary data Contains the encoded name of the originally intended recipient of an autoforwarded message.
0x0021	0x0102	PidTagOriginalEits (PR_ORIGINAL_EITS)	Message text original encoded information types (EITS) Binary data
0x0022	0x0102	PidTagOriginatorCertificate (PR_ORIGINATOR_CERTIFICATE)	Originator certificate Binary data Contains an ASN.1 authentication certificate
0x0023	0x000b	PidTagOriginatorDeliveryReportRequested (PR_ORIGINATOR_DELIVERY_REPORT_REQUESTED)	Originator delivery report requested Boolean Contains TRUE if a message sender requests a delivery report for a particular recipient from the messaging system before the message is placed in the message store.
	0x0102		<mark>Unknown</mark> Binary data
0x0024	0x0102	PidTagOriginatorReturnAddress (PR_ORIGINATOR_RETURN_ADDRESS)	Originator return address Binary data Contains the binary-encoded return address of the message originator.
0x0025	0x0102	PidTagParentKey (PR_PARENT_KEY)	Parent key Binary data Contains the search key that is used to correlate the original message and the reports about the original message. <mark>Contains a GUID</mark>

Item type	Value type	Identifier	Description
0x0026	0x0003	PidTagPriority (PR_PRIORITY)	Priority Integer 32-bit signed See section: 4.3 Priority definitions
0x0027	0x0102	PidTagOriginCheck (PR_ORIGIN_CHECK)	Origin verification value Binary data Contains a binary verification value that enables a delivery report recipient to verify the origin of the original message.
0x0028	0x000b	PidTagProofOfSubmissionRequested (PR_PROOF_OF_SUBMISSION_REQUESTED)	ASN.1 proof of submission requested Boolean
0x0029	0x000b	PidTagReadReceiptRequested (PR_READ_RECEIPT_REQUESTED)	Read receipt requested Boolean Contains TRUE if a message sender wants the messaging system to generate a read report when the recipient has read a message.
0x002a	0x0040	PidTagReceiptTime (PR_RECEIPT_TIME)	Receipt time Filetime Contains the date and time a delivery report is generated.
0x002b	0x000b	PidTagRecipientReassignmentProhibited (PR_RECIPIENT_REASSIGNMENT_PROHIBITED)	Recipient reassignment prohibited Boolean Specifies whether adding additional recipients, when forwarding the message, is prohibited for the e-mail message.
0x002c	0x0102	PR_REDIRECTION_HISTORY	==Unknown== Binary data
0x002d	0x0102	PR_RELATED_IPMS	==Unknown== Binary data
0x002e	0x0003	PidTagOriginalSensitivity (PR_ORIGINAL_SENSITIVITY)	Original sensitivity Integer 32-bit signed Contains the sensitivity value assigned by the sender of the first version of a message that is, the message before being forwarded or replied to. See section: 4.4 Sensitivity definitions
0x002f	0x001e 0x001f	PR_LANGUAGES	==Unknown== ASCII or Unicode string
0x0030	0x0040	PR_REPLY_TIME	==Unknown== Filetime
0x0031	0x0102	PidTagReportTag (PR_REPORT_TAG)	Report tag Binary data

Item type	Value type	Identifier	Description
			Contains a binary tag value that the messaging system should copy to any report generated for the message.
0x0032	0x0040	PR_REPORT_TIME	Unknown Filetime
0x0033	0x000b	PR_RETURNED_IPM	Unknown Boolean
0x0034	0x0003	PidTagSecurity (PR_SECURITY)	Security Integer 32-bit signed Unknown, deprecated according to MSDN
	0x0102		Unknown data containing GUID 4 bytes unknown 16 bytes GUID 4 bytes unknown ENTRYID?
0x0035	0x000b	PR_INCOMPLETE_CO PY	Unknown Boolean
0x0036	0x0003	PidTagSensitivity (PR_SENSITIVITY)	Sensitivity Integer 32-bit signed Contains a value that indicates the message sender's opinion of the sensitivity of a message. See section: 4.4 Sensitivity definitions
0x0037	0x001e 0x001f	PidTagSubject (PR_SUBJECT)	Subject ASCII or Unicode string Contains the full subject of a message. The subject can start with 2 characters of control codes see section: 11.2 Subject control codes
0x0038	0x0102	PidTagSubjectMessageI d (PR_SUBJECT_IPM)	Subject message identifier Binary data Contains a binary value that is copied from the message for which a report is being generated.
0x0039	0x0040	PidTagClientSubmitTim e (PR_CLIENT_SUBMIT _TIME)	Client submit time Filetime Contains the date and time the message sender submitted a message.
0x003a	0x001e 0x001f	PR_REPORT_NAME	Unknown ASCII or Unicode string
0x003b	0x001e 0x001f		Unknown ASCII or Unicode string
	0x0102	PidTagSentRepresenting	Sent representing search key

Item type	Value type	Identifier	Description
		SearchKey (PR_SENT_REPRESENTING_SEARCH_KEY)	Binary data Contains ASCII NUL-terminated string. Contains the search key for the messaging user represented by the sender.
0x003c	0x0102	PR_X400_CONTENT_TYPE	Unknown Binary data
0x003d	0x001e 0x001f	PidTagSubjectPrefix (PR_SUBJECT_PREFIX)	Subject prefix ASCII or Unicode string Contains a subject prefix that typically indicates some action on a message, such as "FW: " for forwarding.
0x003e	0x0003	PR_NON_RECEIPT_REASON	Unknown Integer 32-bit signed
0x003f	0x0102	PidTagReceivedByEntryId (PR_RECEIVED_BY_ENTRYID)	Received by entry identifier Binary data Contains the entry identifier for the messaging user represented by the sender. See section: 6.4 The entry identifier structure (ENTRYID)
0x0040	0x001e 0x001f	PidTagReceivedByName (PR_RECEIVED_BY_NAME)	Received by name ASCII or Unicode string
0x0041	0x0102	PidTagSentRepresentingEntryId (PR_SENT_REPRESENTING_ENTRYID)	Sent representing entry identifier Binary data Contains recipient/sender structure See section: 6.4 The entry identifier structure (ENTRYID)
0x0042	0x001e 0x001f	PidTagSentRepresentingName (PR_SENT_REPRESENTING_NAME)	Sent representing name ASCII or Unicode string Contains the display name for the messaging user represented by the sender.
0x0043	0x0102	PR_RCVD_REPRESENTING_ENTRYID	Received representing entry identifier Binary data Contains recipient/sender structure See section: 6.4 The entry identifier structure (ENTRYID)
0x0044	0x001e 0x001f	PR_RCVD_REPRESENTING_NAME	Received representing name ASCII or Unicode string
0x0045	0x0102	PR_REPORT_ENTRYID	Report entry identifier Binary data See section: 6.4 The entry identifier structure (ENTRYID)

Item type	Value type	Identifier	Description
0x0046	0x0102	PR_READ_RECEIPT_E NTRYID	Read receipt entry identifier Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x0047	0x0102	PR_MESSAGE_SUBMI SSION_ID	Unknown Binary data
0x0048	0x0040	PR_PROVIDER_SUBM IT_TIME	Unknown Filetime
0x0049	0x001e 0x001f	PidTagOriginalSubject (PR_ORIGINAL_SUBJ ECT)	Original subject ASCII or Unicode string Contains the subject of an original message for use in a report about the message.
0x004a	0x000b	PR_DISC_VAL	Unknown Boolean
0x004b	0x001e 0x001f	PR_ORIG_MESSAGE_ CLASS	Unknown ASCII or Unicode string
0x004c	0x0102	PidTagOriginalAuthorEn tryId (PR_ORIGINAL_AUTH OR_ENTRYID)	Original author entry identifier Binary data Contains the entry identifier of the author of the first version of a message, that is, the message before being forwarded or replied to. See section: 6.4 The entry identifier structure (ENTRYID)
0x004d	0x001e 0x001f	PidTagOriginalAuthorN ame (PR_ORIGINAL_AUTH OR_NAME)	Original author name ASCII or Unicode string Contains the display name of the author of the first version of a message, that is, the message before being forwarded or replied to.
0x004e	0x0040	PidTagOriginalSubmitTi me (PR_ORIGINAL_SUBM IT_TIME)	Original submit time Filetime Contains the original submission date and time of the message in the report.
0x004f	0x0102	PR_REPLY_RECIPIEN T_ENTRIES	Reply recipients entries Binary data Unknown contents
0x0050	0x001e 0x001f	PR_REPLY_RECIPIEN T_NAMES	Reply recipients names ASCII or Unicode string
0x0051	0x0102	PR_RECEIVED_BY_SE ARCH_KEY	Received by search key Binary data Contains ASCII \NUL-terminated string
0x0052	0x0102	PR_RCVD_REPRESEN TING_SEARCH_KEY	Received representing search key Binary data

Item type	Value type	Identifier	Description
			Contains ASCII \NUL-terminated string
0x0053	0x0102	PR_READ_RECEIPT_SEARCH_KEY	Unknown Binary data
0x0054	0x0102	PR_REPORT_SEARCH_KEY	Unknown Binary data
0x0055	0x0040	PR_ORIGINAL_DELIVERY_TIME	Unknown Filetime
0x0056	0x0102	PR_ORIGINAL_AUTHOR_SEARCH_KEY	Unknown Binary data
0x0057	0x000b	PidTagMessageToMe (PR_MESSAGE_TO_ME)	My address in To field Boolean Contains TRUE if this messaging user is specifically named as a primary (To) recipient of this message and is not part of a distribution list.
0x0058	0x000b	PidTagMessageCcMe (PR_MESSAGE_CC_ME)	My address in CC field Boolean Contains TRUE if this messaging user is specifically named as a carbon copy (CC) recipient of this message and is not part of a distribution list.
0x0059	0x001e 0x001f	PidTagMessageRecipientMe (PR_MESSAGE_RECIP_ME)	Message addressed to me ASCII or Unicode string Contains TRUE if this messaging user is specifically named as a primary (To), carbon copy (CC), or blind carbon copy (BCC) recipient of this message and is not part of a distribution list.
0x005a	0x001e 0x001f	PidTagOriginalSenderName (PR_ORIGINAL_SENDER_NAME)	Original sender name ASCII or Unicode string Contains the display name of the sender of the first version of a message, that is, the message before being forwarded or replied to.
0x005b	0x0102	PidTagOriginalSenderEntryId (PR_ORIGINAL_SENDER_ENTRYID)	Original sender entry identifier Binary data Contains the entry identifier of the sender of the first version of a message, that is, the message before being forwarded or replied to. See section: 6.4 The entry identifier structure (ENTRYID)
0x005c	0x0102	PidTagOriginalSenderSearchKey (PR_ORIGINAL_SENDER_SEARCH_KEY)	Original sender search key Binary data Contains the search key for the sender of the first version of a message, that is, the

Item type	Value type	Identifier	Description
			message before being forwarded or re
0x005d	0x001e 0x001f	PidTagOriginalSentRepresentingName (PR_ORIGINAL_SENT_REPRESENTING_NAME)	Original sent representing name ASCII or Unicode string Contains the display name of the messaging user on whose behalf the original message was sent.
0x005e	0x0102	PidTagOriginalSentRepresentingEntryId (PR_ORIGINAL_SENT_REPRESENTING_ENTRYID)	Original sent representing entry identifier Binary data Contains the entry identifier of the messaging user on whose behalf the original message was sent. See section: 6.4 The entry identifier structure (ENTRYID)
0x005f	0x0102	PidTagOriginalSentRepresentingSearchKey (PR_ORIGINAL_SENT_REPRESENTING_SEARCH_KEY)	Original sent representing search key Binary data Contains the search key of the messaging user on whose behalf the original message was sent.
0x0060	0x0040	PidTagStartDate (PR_START_DATE)	Appointment start date and time Filetime Contains the starting date and time of an appointment as managed by a scheduling application.
0x0061	0x0040	PidTagEndDate (PR_END_DATE)	Appointment end date and time Filetime Contains the ending date and time of an appointment as managed by a scheduling application.
0x0062	0x0003	PidTagOwnerAppointmentId (PR_OWNER_APPT_ID)	Appointment owner identifier Integer 32-bit signed Contains an identifier for an appointment in the owner's schedule.
0x0063	0x000b	PidTagResponseRequested (PR_RESPONSE_REQUESTED)	Response requested Boolean Contains TRUE if the message sender wants a response to a meeting request.
0x0064	0x001e 0x001f	PidTagSentRepresentingAddressType (PR_SENT_REPRESENTING_ADDRTYPE)	Sent representing address type ASCII or Unicode string Contains the address type for the messaging user who is represented by the sender. See section: 4.5 Address type definitions
0x0065	0x001e 0x001f	PidTagSentRepresentingEmailAddress (PR_SENT_REPRESENTING_EMAIL_ADDRE	Sent representing e-mail address ASCII or Unicode string Contains the e-mail address for the messaging user who is represented by the

Item type	Value type	Identifier	Description
		SS)	sender.
0x0066	0x001e 0x001f	PidTagOriginalSenderAddressType (PR_ORIGINAL_SENDER_ADDRTYPE)	Original sender address type ASCII or Unicode string Contains the address type of the sender of the first version of a message, that is, the message before being forwarded or replied to. See section: 4.5 Address type definitions
0x0067	0x001e 0x001f	PidTagOriginalSenderEmailAddress (PR_ORIGINAL_SENDER_EMAIL_ADDRESS)	Original sender e-mail address ASCII or Unicode string Contains the e-mail address of the sender of the first version of a message, that is, the message before being forwarded or replied to.
0x0068	0x001e 0x001f	PidTagOriginalSentRepresentingAddressType (PR_ORIGINAL_SENT _REPRESENTING_ADDRTYPE)	Original sent representing address type ASCII or Unicode string Contains the address type of the messaging user on whose behalf the original message was sent. See section: 4.5 Address type definitions
0x0069	0x001e 0x001f	PidTagOriginalSentRepresentingEmailAddress (PR_ORIGINAL_SENT _REPRESENTING_EMAIL_ADDRESS)	Original sent representing e-mail address ASCII or Unicode string Contains the e-mail address of the messaging user on whose behalf the original message was sent.
0x0070	0x001e 0x001f	PidTagConversationTopic (PR_CONVERSATION _TOPIC)	Conversation topic ASCII or Unicode string Contains the topic of the first message in a conversation thread.
0x0071	0x0102	PidTagConversationIndex (PR_CONVERSATION _INDEX)	Conversation index Binary data Contains a binary value that indicates the relative position of this message within a conversation thread. See section: 6.9 The conversation index structure
0x0072	0x001e 0x001f	PidTagOriginalDisplayBcc (PR_ORIGINAL_DISPLAY_BCC)	Original display BCC ASCII or Unicode string Contains the display names of any blind carbon copy (BCC) recipients of the original message.
0x0073	0x001e 0x001f	PidTagOriginalDisplayCc (PR_ORIGINAL_DISPLAY_CC)	Original display CC ASCII or Unicode string Contains the display names of any carbon copy (CC) recipients of the

Item type	Value type	Identifier	Description
			original message.
0x0074	0x001e 0x001f	PidTagOriginalDisplayTo (PR_ORIGINAL_DISPLAY_TO)	Original display TO ASCII or Unicode string Contains the display names of the primary (To) recipients of the original message.
0x0075	0x001e 0x001f	PidTagReceivedByAddressType (PR_RECEIVED_BY_ADDRTYPE)	Received by address type ASCII or Unicode string Contains the e-mail address type, such as SMTP, for the messaging user who actually receives the message. See section: 4.5 Address type definitions
0x0076	0x001e 0x001f	PidTagReceivedByEmailAddress (PR_RECEIVED_BY_EMAIL_ADDRESS)	Received by e-mail address ASCII or Unicode string Contains the e-mail address for the messaging user who receives the message.
0x0077	0x001e 0x001f	PidTagReceivedRepresentingAddressType (PR_RCVD_REPRESENTING_ADDRTYPE)	Received representing address type ASCII or Unicode string Contains the address type for the messaging user who is represented by the user actually receiving the message. See section: 4.5 Address type definitions
0x0078	0x001e 0x001f	PidTagReceivedRepresentingEmailAddress (PR_RCVD_REPRESENTING_EMAIL_ADDRESS)	Received representing e-mail address ASCII or Unicode string Contains the e-mail address for the messaging user who is represented by the receiving user.
0x0079	0x001e 0x001f	PidTagOriginalAuthorAddressType (PR_ORIGINAL_AUTHOR_ADDRTYPE)	Original author address type ASCII or Unicode string Contains the address type of the author of the first version of a message, that is, the message before being forwarded or replied to. See section: 4.5 Address type definitions
0x007a	0x001e 0x001f	PidTagOriginalAuthorEmailAddress (PR_ORIGINAL_AUTHOR_EMAIL_ADDRESS)	Original author e-mail address ASCII or Unicode string Contains the e-mail address of the author of the first version of a message, that is, the message before being forwarded or replied to.
0x007b	0x001e 0x001f	PidTagOriginallyIntendedRecipAddrtype (PR_ORIGINALLY_INTENDED_RECIP_ADDRTYPE)	Originally intended recipient address type ASCII or Unicode string Contains the address type of the originally intended recipient of an auto-

Item type	Value type	Identifier	Description
			forwarded message. See section: 4.5 Address type definitions
0x007c	0x001e 0x001f	PidTagOriginallyIntendedRecipEmailAddress (PR_ORIGINALLY_INTENDED_RECIP_EMAIL_ADDRESS)	Originally intended recipient e-mail address ASCII or Unicode string Contains the e-mail address of the originally intended recipient of an autoforwarded message.
0x007d	0x001e 0x001f	PidTagTransportMessageHeaders (PR_TRANSPORT_MESSAGE_HEADERS)	Transport message headers ASCII or Unicode string Contains transport-specific message envelope information. These contain the SMTP e-mail headers.
0x007e	0x0102	PidTagDelegation (PR_DELEGATION)	Delegation Binary data Unknown, deprecated according to MSDN
0x007f	0x0102	PidTagTnefCorrelationKey (PR_TNEF_CORRELATION_KEY)	TNEF correlation key Binary data Contains a value that correlates a Transport Neutral Encapsulation Format (TNEF) attachment with a message. Contains a single byte 0x00
0x0080	0x001e 0x001f		Unknown ASCII or Unicode string "displayed" found in a message delivery report item
0x0081	0x001e 0x001f		Unknown ASCII or Unicode string "automatic-action/MDN-sent-automatically" found in a message delivery report item
0x0083	0x101e 0x101f		Unknown Array of ASCII or Unicode string values Contains sender name
0x0084	0x101e 0x101f		Unknown Array of ASCII or Unicode string values Contains sender e-mail address

3.3. Recipient properties (0x0c00 – 0x0dff)

Item type	Value type	Identifier	Description
0x0c00	0x0102	PR_CONTENT_INTEGRITY_CHECK	Unknown Binary data

Item type	Value type	Identifier	Description
0x0c01	0x0003	PR_EXPLICIT_CONVERSION	Unknown Integer 32-bit signed
0x0c02	0x000b	PidTagIpmReturnRequested (PR_IPM_RETURN_REQUESTED)	Return report requested Boolean Contains TRUE if this message should be returned with a report.
0x0c03	0x0102	PidTagMessageToken (PR_MESSAGE_TOKEN)	Message ASN.1 secutiry token Binary data
0x0c04	0x0003	PR_NDR_REASON_CODE	Unknown Integer 32-bit signed
0x0c05	0x0003	PR_NDR_DIAG_CODE	Unknown Integer 32-bit signed
0x0c06	0x000b	PR_NON_RECEIPT_NOTIFICATION_REQUESTED	Non receipt notification requested Boolean
0x0c07	0x0003	PR_DELIVERY_POINT	Unknown Integer 32-bit signed
0x0c08	0x000b	PR_ORIGINATOR_NON_DELIVERY_REPORT_REQUESTED	Originator non delivery report requested Boolean
0x0c09	0x0102	PR_ORIGINATOR_REQUESTED_ALTERNATE_RECIPIENT	Unknown Binary data
0x0c0a	0x000b	PR_PHYSICAL_DELIVERY_BUREAU_FAX_DELIVERY	Unknown Boolean
0x0c0b	0x0003	PR_PHYSICAL_DELIVERY_MODE	Unknown Integer 32-bit signed
0x0c0c	0x0003	PR_PHYSICAL_DELIVERY_REPORT_REQUEST	Unknown Integer 32-bit signed
0x0c0d	0x0102	PR_PHYSICAL_FORWARDING_ADDRESS	Unknown Binary data
0x0c0e	0x000b	PR_PHYSICAL_FORWARDING_ADDRESS_REQUESTED	Unknown Boolean
0x0c0f	0x000b	PR_PHYSICAL_FORWARDING_PROHIBITED	Unknown Boolean
0x0c10	0x0102	PR_PHYSICAL_RENDITION_ATTRIBUTES	Unknown Binary data
0x0c11	0x0102	PR_PROOF_OF_DELI	Unknown

Item type	Value type	Identifier	Description
		VERY	Binary data
0x0c12	0x000b	PR_PROOF_OF_DELI VERY_REQUESTED	<mark>Unknown</mark> Boolean
0x0c13	0x0102	PidTagRecipientCertific ate (PR_RECIPIENT_CER TIFICATE)	Recipient certificate Binary data Contains an ASN.1 authentication certificate
0x0c14	0x001e 0x001f	PR_RECIPIENT_NUM BER_FOR_ADVICE	<mark>Unknown</mark> ASCII or Unicode string
0x0c15	0x0003	PidTagRecipientType (PR_RECIPIENT_TYP E)	Recipient type Integer 32-bit signed Contains the recipient type for a message recipient. See section: 4.6 Recipient type definitions
0x0c16	0x0003	PR_REGISTERED_M AIL_TYPE	<mark>Unknown</mark> Integer 32-bit signed
0x0c17	0x000b	PR_REPLY_REQUEST ED	Reply requested Boolean
0x0c18	0x0003	PR_REQUESTED_DE LIVERY_METHOD	<mark>Unknown</mark> Integer 32-bit signed
0x0c19	0x0102	PidTagSenderEntryId (PR_SENDER_ENTRY ID)	Sender entry identifier Binary data Contains the message sender's entry identifier. See section: 6.4 The entry identifier structure (ENTRYID)
0x0c1a	0x001e 0x001f	PidTagSenderName (PR_SENDER_NAME)	Sender name ASCII or Unicode string Contains the message sender's display name.
0x0c1b	0x001e 0x001f	PR_SUPPLEMENTAR Y_INFO	<mark>Unknown</mark> ASCII or Unicode string
0x0c1c	0x0003	PR_TYPE_OF_MTS_U SER	<mark>Unknown</mark> Integer 32-bit signed
0x0c1d	0x0102	PidTagSenderSearchKe y (PR_SENDER_SEARC H_KEY)	Sender search key Binary data Contains the message sender's search key. Contains ASCII NUL-terminated string
0x0c1e	0x001e 0x001f	PidTagSenderAddressT ype (PR_SENDER_ADDRT YPE)	Sender address type ASCII or Unicode string Contains the message sender's e-mail address type. See section: 4.5 Address type definitions
0x0c1f	0x001e	PidTagSenderEmailAdd	Sender e-mail address

Item type	Value type	Identifier	Description
	0x001f	ress (PR_SENDER_EMAIL _ADDRESS)	ASCII or Unicode string Contains the message sender's e-mail address.
0x0c20	0x0003	PR_NDR_STATUS_C ODE	None delivery status code Integer 32-bit signed <mark>Unknown</mark>

3.4. Non-transmittable message properties (0x0e00 – 0x0fff)

Item type	Value type	Identifier	Description
0x0e00	0x0014	PidTagCurrentVersion (PR_CURRENT_VERSI ON)	Message store verion Integer 64-bit signed Contain the current version of a message store.
0x0e01	0x000b	PidTagDeleteAfterSubm it (PR_DELETE_AFTER_ SUBMIT)	Delete after submit Boolean Contains TRUE if a client application wants MAPI to delete the associated message after submission.
0x0e02	0x001e 0x001f	PidTagDisplayBcc (PR_DISPLAY_BCC)	Display BCC ASCII or Unicode string Contains an ASCII list of the display names of any blind carbon copy (BCC) message recipients, separated by semicolons (;).
0x0e03	0x001e 0x001f	PidTagDisplayCc (PR_DISPLAY_CC)	Display CC ASCII or Unicode string Contains an ASCII list of the display names of any carbon copy (CC) message recipients, separated by semicolons (;).
0x0e04	0x001e 0x001f	PidTagDisplayTo (PR_DISPLAY_TO)	Display To ASCII or Unicode string Contains a list of the display names of the primary (To) message recipients, separated by semicolons (;)
0x0e04	0x001e 0x001f	PidTagParentDisplay (PR_PARENT_DISPLA Y)	Parent display name ASCII or Unicode string Contains the display name of the folder where a message was found during a search.
0x0e06	0x0040	PidTagOriginalDelivery Time (PR_MESSAGE_DELIV ERY_TIME)	Message delivery time Filetime Contains a copy of the original message's delivery date and time in a thread.

Item type	Value type	Identifier	Description
0x0e07	0x0003	PidTagMessageFlags (PR_MESSAGE_FLAGS)	Message flags Integer 32-bit signed Contains a bitmask of flags that indicate the origin and current state of a message. See section: 4.7 Message flag definitions
0x0e08	0x0003	PidTagMessageSize (PR_MESSAGE_SIZE)	Message size Integer 32-bit signed Contains the sum, in bytes, of the sizes of all properties on a message object.
	0x0014	PidTagMessageSizeExtended (PR_MESSAGE_SIZE_EXTENDED)	Message size Integer 64-bit signed Contains the sum, in bytes, of the sizes of all properties on a message object.
0x0e09	0x0102	PidTagParentEntryId (PR_PARENT_ENTRYID)	Parent folder entry identifier Binary data Contains the entry identifier of the folder that contains a folder or message. See section: 6.4 The entry identifier structure (ENTRYID)
0x0e0a	0x0102	PidTagSentMailEntryId (PR_SENTMAIL_ENTRYID)	Sent mail folder entry identifier Binary data Contains the entry identifier of the folder where the message should be moved after submission. See section: 6.4 The entry identifier structure (ENTRYID)
0x0e0b	0x000b	PidTagCorrelate (PR_CORRELATE)	Correlation requested Boolean Contains TRUE if the sender of a message requests the correlation feature of the messaging system.
0x0e0c	0x0102	PidTagCorrelateMtsid (PR_CORRELATE_MTSID)	Correlation message transfer system identifier Binary data Contains the message transfer system (MTS) identifier used in correlating reports with sent messages
0x0e0e	0x000b	PidTagDiscreteValues (PR_DISCRETE_VALUES)	Report applies to specific members only Boolean Contains TRUE if a nondelivery report applies only to discrete members of a distribution list rather than the entire list.
0x0e0f	0x000b	PidTagResponsibility (PR_RESPONSIBILITY)	Transport provider has responsibility Boolean Contains TRUE if some transport provider has already accepted

Item type	Value type	Identifier	Description
			responsibility for delivering the message to this recipient, and FALSE if the MAPI spooler considers that this transport provider should accept responsibility.
0x0e10	0x0003	PidTagSpoolerStatus (PR_SPOOLER_STATUS)	Spooler status Integer 32-bit signed Contains the status of the message based on information that is available to the MAPI spooler.
0x0e11	0x0003	PR_TRANSPORT_STATUS	<mark>Unknown</mark> Integer 32-bit signed
0x0e12	0x000d	PR_MESSAGE_RECIPIENTS	<mark>Unknown</mark> Embedded object
0x0e13	0x000d	PR_MESSAGE_ATTACHMENTS	<mark>Unknown</mark> Embedded object
0x0e14	0x0003	PidTagSubmitFlags (PR_SUBMIT_FLAGS)	Message submit flags Integer 32-bit signed Contains a bitmask of flags indicating details about a message submission. See section: 4.8 Message submit flag definitions
0x0e15	0x0003	PR_RECIPIENT_STATUS	<mark>Unknown</mark> Integer 32-bit signed
0x0e16	0x0003	PR_TRANSPORT_KEY	<mark>Unknown</mark> Integer 32-bit signed
0x0e17	0x0003	PidTagMessageStatus (PR_MSG_STATUS)	Message status flags Integer 32-bit signed Contains a 32-bit bitmask of flags that defines the status of a message in a contents table. See section: 4.9 Message status flag definitions
0x0e18	0x0003	PR_MESSAGE_DOWNLOAD_TIME	<mark>Unknown</mark> Integer 32-bit signed
0x0e19	0x0014	PR_CREATION_VERSION	<mark>Unknown</mark> Integer 64-bit signed
0x0e1a	0x0014	PR_MODIFY_VERSION	<mark>Unknown</mark> Integer 64-bit signed
0x0e1b	0x000b	PR_HASATTACH	<mark>Unknown</mark> Boolean
0x0e1c	0x0003	PidTagBodyCrc (PR_BODY_CRC)	Plain text message body checksum Integer 32-bit signed Contains a weak 32-bit cyclic redundancy check (CRC32) value on the

Item type	Value type	Identifier	Description
			message text.
0x0e1d	0x001e 0x001f	PidTagNormalizedSubject (PR_NORMALIZED_SUBJECT)	Normalized subject ASCII or Unicode string Contains the message subject with any prefix removed.
0x0e1f	0x000b	PidTagRtfInSync (PR_RTF_IN_SYNC)	Compressed RTF message body in sync with plain text Boolean Contains TRUE if the PidTagRtfCompressed (PR_RTF_COMPRESSED) property has the same text content as the PidTagBody (PR_BODY) property for this message.
0x0e20	0x0003	PidTagAttachSize (PR_ATTACH_SIZE)	Attachment size Integer 32-bit signed Contains the sum, in bytes, of the sizes of all properties on an attachment.
0x0e21	0x0003	PidTagAttachNumber (PR_ATTACH_NUM)	Attachment number Integer 32-bit signed Contains a number that uniquely identifies the attachment within its parent message.
0x0e22	0x000b	PidTagPreprocess (PR_PREPROCESS)	Needs preprocessing Boolean Contains TRUE if the message requires preprocessing.
0x0e23	0x0003	PidTagInternetArticleNumber (PR_INTERNET_ARTICLE_NUMBER)	Internet article number Integer 32-bit signed A number associated with an item in a message store.
0x0e24	0x001e 0x001f	PR_NEWSGROUP_NAME	<mark>Unknown</mark> ASCII or Unicode string
0x0e25	0x0102	PR_ORIGINATING_MTA_CERTIFICATE	<mark>Unknown</mark> Binary data
0x0e26	0x0102	PR_PROOF_OF_SUBMISSION	<mark>Unknown</mark> Binary data
0x0e27	0x0102	PidTagSecurityDescriptor (PR_NT_SECURITY_DESCRIPTOR, ptagNTSD)	Permissions (NT security descriptor) Binary data Holds the NT security descriptors of the users or groups that can access the folder. See section: 6.11 The security descriptor structure

Item type	Value type	Identifier	Description
0x0e29	0x001e 0x001f		Unknown ASCII or Unicode string
0x0e2a	0x000b		Unknown Boolean
0x0e30	0x0003	PidTagReplItemid	Replication item identifier Integer 32-bit signed
	0x0102		Unknown Binary data Some identifier contains a GUID which maps to the contents of the 9c table
0x0e31	0x0102		Unknown Binary data
0x0e33	0x0014	PidTagReplChangenum	Replication change number Integer 64-bit signed
0x0e34	0x0102	PidTagReplVersionHistory	Replication version history Binary data Contains an entry identifier
0x0e37	0x0102		Unknown Binary data
0x0e38	0x0003	PidTagReplFlags	Replication flags 32-bit integer TODO specification
0x0e3c	0x0102	PidTagReplCopiedfromVersionhistory	Replication version information Binary data
0x0e3d	0x0102	PidTagReplCopiedfromItemid	Replication item identifier information Binary data
0x0e3e	0x0102		Unknown Binary data
0x0e58	0x0102	PR_CREATOR_SID	Creator (NT security identifier) Binary data
0x0e59	0x0102	PR_LAST_MODIFIER_SID	Last modifier (NT security identifier) Binary data
0x0e5e	0x0048	PR_MIME_HANDLER_CLASSID	MIME handle class identifier GUID
	0x1048	PR_MIME_HANDLER_	MIME handle class identifiers

Item type	Value type	Identifier	Description
		CLASSIDS	Array of GUID values
0x0e61	0x0003	PR_URL_COMP_NAME_POSTFIX	URL computer name postfix Integer 32-bit signed
0x0e62	0x000b	PR_URL_COMP_NAME_SET	URL computer name set Boolean
0x0e63	0x0003	PR_SUBFOLDER_CT	Unknown Integer 32-bit signed
0x0e64	0x0003	PR_DELETED_SUBFOLDER_CT	Unknown Integer 32-bit signed
0x0e66	0x0040	PR_DELETE_TIME	Unknown Filetime
0x0e67	0x0102	PR_AGE_LIMIT	Unknown Binary data
0x0e79	0x0003	PR_TRUST_SENDER	Unknown Integer 32-bit signed
0x0e96	0x0102	PR_ATTACH_VIRUS_SCAN_INFO	Unknown Binary data
0x0e99	0x0102		Unknown Binary data In IPM.ExtendedRule.Message
0x0e9a	0x0102		Unknown Binary data In IPM.ExtendedRule.Message
0x0ea0	0x0048	PR_ASSOCIATED_SHARING_PROVIDER PROP_TAG	Associated sharing provider identifier GUID Used for SharePoint PST files
0x0ea2	0x0003		Unknown Integer 32-bit signed
0x0ea3	0x0102	PidTagProviderItemId (PR_PROVIDER_ITEM ID)	Provider identifier Binary data Specifies an identifier for a folder or an item in a store.
0x0ea4	0x0102	PidTagProviderParentItemId	Parent provider identifier Binary data

Item type	Value type	Identifier	Description
		(PR_PROVIDER_PARE NT_ITEMID)	Specifies an identifier for the parent of a folder or an item in a store.
0x0ff4	0x0003	PidTagAccess (PR_ACCESS)	Client access flags Integer 32-bit signed Contains a bitmask of flags indicating the operations that are available to the client for the object. See section: 4.10 Access flags definitions
0x0ff5	0x0003	PidTagRowType (PR_ROW_TYPE)	Row type Integer 32-bit signed See section: 4.11 Row type definitions
0x0ff6	0x0003	PidTagInstanceKey (PR_INSTANCE_KEY)	Instance key Integer 32-bit signed Contains the row identifier
0x0ff7	0x0003	PidTagAccessLevel (PR_ACCESS_LEVEL)	Client access level flags Integer 32-bit signed See section: 4.12 Client access level flags definitions
0x0ff8	0x0102	PidTagMappingSignatur e (PR_MAPPING_SIGNA TURE)	Mapping signature Binary data Contains the mapping signature for named properties of a particular MAPI object.
0x0ff9	0x0102	PidTagRecordKey (PR_RECORD_KEY)	Record key Binary data Contains a unique binary-comparable identifier for a specific object (GUID).
0x0ffa	0x0102	PidTagStoreRecordKey (PR_STORE_RECORD _KEY)	Message store record key Binary data Contains the unique binary-comparable identifier (record key) of the message store in which an object resides.
0x0ffb	0x0102	PidTagStoreEntryId (PR_STORE_ENTRYID)	Message store entry identifier Binary data Contains the unique entry identifier of the message store where an object resides. See section: 6.4 The entry identifier structure (ENTRYID)
0x0ffc	0x0102	PidTagMiniIcon (PR_MINI_ICON)	Mini icon bitmap Binary data Contains a bitmap of a half-size icon (16 × 16 ICO) for a form.
0x0ffd	0x0102	PidTagIcon	Icon bitmap

Item type	Value type	Identifier	Description
		(PR_ICON)	Binary data Contains a bitmap of a full size icon (32 x 32 ICO) for a form.
0x0ffe	0x0003	PidTagObjectType (PR_OBJECT_TYPE)	Object type Integer 32-bit signed Contains the type of an object. See section 8.1 Object type
0x0fff	0x0102	PidTagEntryId (PR_ENTRYID)	Entry identifier Binary data Contains a MAPI entry identifier used to open and edit properties of a particular MAPI object. See section: 6.4 The entry identifier structure (ENTRYID)

3.5. Message content properties (0x1000 – 0x2fff)

Item type	Value type	Identifier	Description
0x1000	0x001e 0x001f	PidTagBody (PR_BODY)	Plain text message body ASCII or Unicode string Contains the message text. See section: 7.1 The message body
0x1001	0x001e 0x001f	PidTagReportText (PR_REPORT_TEXT)	Report text ASCII or Unicode string Contains optional text for a report generated by the messaging system.
0x1002	0x0102	PidTagOriginatorAndDistributionListExpansionHistory (PR_ORIGINATOR_AND_DL_EXPANSION_HISTORY)	Originator and distribution list expansion history Binary data Contains information about a message originator and a distribution list expansion history.
0x1003	0x0102	PR_REPORTING_DL_NAME	<mark>Unknown</mark> Binary data
0x1004	0x0102	PR_REPORTING_MTA_CERTIFICATE	<mark>Unknown</mark> Binary data
0x1006	0x0003	PR_RTF_SYNC_BODY_CRC	RTF Sync Body CRC Integer 32-bit signed
0x1007	0x0003	PR_RTF_SYNC_BODY_COUNT	RTF Sync Body character count Integer 32-bit signed
0x1008	0x001e 0x001f	PR_RTF_SYNC_BODY_TAG	RTF Sync body tag ASCII or Unicode string
0x1009	0x0102	PidTagRtfCompressed	Compressed RTF message body

Item type	Value type	Identifier	Description
		(PR_RTF_COMPRESSED)	Binary data Contains the Rich Text Format (RTF) version of the message text, usually in compressed form. The data is compressed using the LZFu algorithm.
0x1010	0x0003	PR_RTF_SYNC_PREFIX_COUNT	RTF whitespace prefix count Integer 32-bit signed
0x1011	0x0003	PR_RTF_SYNC_TRAILING_COUNT	RTF whitespace tailing count Integer 32-bit signed
0x1012	0x0102	PR_ORIGINALLY_INTENDED_RECIP_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x1013	0x001e 0x001f	PidTagBodyHtml (PR_BODY_HTML)	HTML message body ASCII or Unicode string Contains the Hypertext Markup Language (HTML) version of the message text. See section: 7.1 The message body
	0x0102	PidTagHtml (PR_HTML)	HTML message body Binary data Contains the message body text in HTML format. This data is probably in 7-bit ASCII encoding extended characters are formatted in HTML encoding without a NUL-byte
0x1014	0x001e 0x001f	PidTagBodyContentLocation (PR_BODY_CONTENT_LOCATION)	Message body content location ASCII or Unicode string Contains the value of a MIME Content-Location header field.
0x1030	0x001e 0x001f	PR_INTERNET_APPROVED	Unknown ASCII or Unicode string
0x1031	0x001e 0x001f	PR_INTERNET_CONTROL	Unknown ASCII or Unicode string
0x1032	0x001e 0x001f	PR_INTERNET_DISTRIBUTION	Unknown ASCII or Unicode string
0x1033	0x001e 0x001f	PR_INTERNET_FOLLOWUP_TO	Unknown ASCII or Unicode string
0x1034	0x0003	PR_INTERNET_LINES	Unknown Integer 32-bit signed
0x1035	0x001e 0x001f	PidTagInternetMessageId (PR_INTERNET_MES	Message identifier ASCII or Unicode string Corresponds to the message ID field as

Item type	Value type	Identifier	Description
		SAGE_ID)	specified in RFC2822.
0x1036	0x001e 0x001f	PR_INTERNET_NEW SGROUPS	<mark>Unknown</mark> ASCII or Unicode string
0x1037	0x001e 0x001f	PR_INTERNET_ORG ANIZATION	<mark>Unknown</mark> ASCII or Unicode string
0x1038	0x001e 0x001f	PR_INTERNET_NNTP _PATH	<mark>Unknown</mark> ASCII or Unicode string
0x1039	0x001e 0x001f	PR_INTERNET_REFE RENCES	<mark>Unknown</mark> ASCII or Unicode string
0x103a	0x001e 0x001f	PR_SUPERSEDES	<mark>Unknown</mark> ASCII or Unicode string
0x103b	0x0102	PR_POST_FOLDER_E NTRIES	<mark>Unknown</mark> Binary data
0x103c	0x001e 0x001f	PR_POST_FOLDER_N AMES	<mark>Unknown</mark> ASCII or Unicode string
0x103d	0x0102	PR_POST_REPLY_FO LDER_ENTRIES	<mark>Unknown</mark> Binary data
0x103e	0x001e 0x001f	PR_POST_REPLY_FO LDER_NAMES	<mark>Unknown</mark> ASCII or Unicode string
0x103f	0x0102	PR_POST_REPLY_DE NIED	<mark>Unknown</mark> Binary data
0x1040	0x001e 0x001f	PR_NNTP_XREF	<mark>Unknown</mark> ASCII or Unicode string
0x1041	0x001e 0x001f	PR_INTERNET_PREC EDENCE	<mark>Unknown</mark> ASCII or Unicode string
0x1042	0x001e 0x001f	PR_IN_REPLY_TO_ID	In-Reply-To ASCII or Unicode string
0x1043	0x001e 0x001f	PR_LIST_HELP	<mark>Unknown</mark> ASCII or Unicode string
0x1044	0x001e 0x001f	PR_LIST_SUBSCRIBE	<mark>Unknown</mark> ASCII or Unicode string
0x1045	0x001e 0x001f	PR_LIST_UNSUBSCR IBE	<mark>Unknown</mark> ASCII or Unicode string
0x1046	0x001e 0x001f		Return Path ASCII or Unicode string
0x1080	0x0003	PR_ICON_INDEX	<mark>Icon index</mark> Integer 32-bit signed
0x1081	0x0003	PR_ACTION_FLAG	<mark>Unknown</mark> Integer 32-bit signed

Item type	Value type	Identifier	Description
0x1082	0x0040	PR_ACTION_DATE	Unknown Filetime
0x1090	0x0003	PR_FLAG_STATUS	Unknown Integer 32-bit signed
0x1091	0x0040	PR_FLAG_COMPLET E	Unknown Filetime
0x1096	0x0003		Unknown Integer 32-bit signed
0x1097	0x0003	PidTagItemTemporaryF lags	Temporary item flags Integer 32-bit signed
0x1098	0x1102		Unknown Array of Binary data values
0x10c0	0x0102	PR_SMTP_TEMP_TBL _DATA	Unknown Binary data
0x10c1	0x0003	PR_SMTP_TEMP_TBL _DATA_2	Unknown Integer 32-bit signed
0x10c2	0x0102	PR_SMTP_TEMP_TBL _DATA_3	Unknown Binary data
0x10c3	0x0040	PR_CAL_START_TIM E	Unknown Filetime
0x10c4	0x0040	PR_CAL_END_TIME	Unknown Filetime
0x10c5	0x0040	PR_CAL_RECURRIN G_ID	Unknown Filetime
0x10c6	0x001e 0x001f	PR_DAV_SUBMIT_D ATA	Unknown ASCII or Unicode string
0x10c7	0x0003	PR_CDO_EXPANSIO N_INDEX	Unknown Integer 32-bit signed
0x10c8	0x0102	PR_IFS_INTERNAL_ DATA	Unknown Binary data
0x10ca	0x0040	PR_CAL_REMINDER _NEXT_TIME	Unknown Filetime
0x10f1	0x001e 0x001f	PR_OWA_URL	Unknown ASCII or Unicode string
0x10f2	0x000b	PR_DISABLE_FULL_ FIDELITY	Disable full fidelity Boolean

Item type	Value type	Identifier	Description
0x10f3	0x001e 0x001f	PidTagUrlComponentName (PR_URL_COMP_NAME)	URL computer name ASCII or Unicode string The URL component name for a message. Contains the .eml filename.
0x10f4	0x000b	PidTagAttributeHidden (PR_ATTR_HIDDEN)	Attribute hidden Boolean Unknown
0x10f5	0x000b	PidTagAttributeSystem (PR_ATTR_SYSTEM)	Attribute system Boolean Unknown
0x10f6	0x000b	PidTagAttributeReadOnly (PR_ATTR_READONLY)	Attribute read only Boolean Unknown
0x1100	0x0102	PR_P1_CONTENT	Unknown Binary data
0x1101	0x0102	PR_P1_CONTENT_TYPE	Unknown Binary data

3.6. Common objects properties (0x3000 – 0x03ff)

Item type	Value type	Identifier	Description
0x3000	0x0003	PidTagRowid (PR_ROWID)	Recipient row identifier Integer 32-bit signed Contains a unique identifier for a recipient in a recipient table or status table.
0x3001	0x001e 0x001f	PidTagDisplayName (PR_DISPLAY_NAME)	Display name ASCII string or Unicode string Contains the display name for a given MAPI object.
0x3002	0x001e 0x001f	PidTagAddressType (PR_ADDRTYPE)	Address type ASCII string or Unicode string Contains the messaging user's e-mail address type. See section: 4.5 Address type definitions
0x3003	0x001e 0x001f	PidTagEmailAddress (PR_EMAIL_ADDRESS)	E-mail address ASCII string or Unicode string Contains the messaging user's e-mail address.
0x3004	0x001e 0x001f	PidTagComment (PR_COMMENT)	Comment ASCII string or Unicode string Contains a comment about the purpose or content of an object.

Item type	Value type	Identifier	Description
0x3005	0x0003	PidTagDepth (PR_DEPTH)	Hierarchy table depth Integer 32-bit signed Contains an integer that represents the relative level of indentation, or depth, of an object in a hierarchy table.
0x3006	0x001e 0x001f	PidTagProviderDisplay Name (PR_PROVIDER_DIS PLAY)	Service provider display name ASCII string or Unicode string Contains the display name of a provider.
0x3007	0x0040	PidTagCreationTime (PR_CREATION_TIM E)	Creation time Filetime Contains the creation date and time of a message.
0x3008	0x0040	PidTagLastModificatio nTime (PR_LAST_MODIFIC ATION_TIME)	Last modification time Filetime Contains the date and time when the object or subobject was last modified.
0x3009	0x0003	PidTagResourceFlags (PR_RESOURCE_FLA GS)	Resource flags Integer 32-bit signed Contains a bitmask of flags for message services and providers. See section: 4.13 Resource flag definitions
0x300a	0x001e 0x001f	PidTagProviderDisplay (PR_PROVIDER_DLL _NAME)	Service provider DLL filename ASCII string or Unicode string Contains the vendor-defined display name for a service provider.
0x300b	0x0102	PidTagSearchKey (PR_SEARCH_KEY)	Search key Binary data Contains a binary-comparable key that identifies correlated objects for a search.
0x300c	0x0102	PidTagProviderUid (PR_PROVIDER_UID)	Service provider identifier Binary data Contains a MAPIUID structure of the service provider that is handling a message.
0x300d	0x0003	PidTagProviderOrdinal (PR_PROVIDER_ORD INAL)	Service provider table index Integer 32-bit signed Contains the zero-based index of a service provider's position in the provider table.
0x3301	0x001e 0x001f	PR_FORM_VERSION	==Unknown== ASCII string or Unicode string
0x3302	0x0048	PR_FORM_CLSID	==Unknown== GUID

Item type	Value type	Identifier	Description
0x3303	0x001e 0x001f	PR_FORM_CONTAC T_NAME	Unknown ASCII string or Unicode string
0x3304	0x001e 0x001f	PR_FORM_CATEGO RY	Unknown ASCII string or Unicode string
0x3305	0x001e 0x001f	PR_FORM_CATEGO RY_SUB	Unknown ASCII string or Unicode string
0x3306	0x1003	PR_FORM_HOST_M AP	Unknown Array of Integer 32-bit signed values
0x3307	0x000b	PR_FORM_HIDDEN	Unknown Boolean
0x3308	0x001e 0x001f	PR_FORM_DESIGNE R_NAME	Unknown ASCII string or Unicode string
0x3309	0x0048	PR_FORM_DESIGNE R_GUID	Unknown GUID
0x330a	0x0003	PR_FORM_MESSAGE _BEHAVIOR	Unknown Integer 32-bit signed

3.7. Message store properties (0x3400 - 0x35ff)

Item type	Value type	Identifier	Description
0x3400	0x000b	PR_DEFAULT_STOR E	Unknown Boolean
0x340d	0x0003	PidTagStoreSupportMa sk (PR_STORE_SUPPOR T_MASK)	Message store characteristics mask Integer 32-bit signed Contains a bitmask of flags that client applications should query to determine the characteristics of a message store. See section: 4.14 Message store characteristics mask definitions
0x340e	0x0003	PR_STORE_STATE	Unknown Integer 32-bit signed
0x3410	0x0102	PR_IPM_SUBTREE_S EARCH_KEY	Unknown Binary data
0x3411	0x0102	PR_IPM_OUTBOX_S EARCH_KEY	Unknown Binary data
0x3412	0x0102	PR_IPM_WASTEBAS KET_SEARCH_KEY	Unknown Binary data
0x3413	0x0102	PR_IPM_SENTMAIL_ SEARCH_KEY	Unknown Binary data
0x3414	0x0102	PidTagStoreProvider	Message store provider

Item type	Value type	Identifier	Description
		(PR_MDB_PROVIDER)	Binary data Contains a provider-defined MAPIUID structure that indicates the type of the message store.
0x3415	0x000d	PR_RECEIVE_FOLDER_SETTINGS	Unknown Embedded object
0x3416	0x0102		Item proc search entry identifier Binary data Contains Folder information reference to "ItemProcSearch"
0x3419	0x0003	PR_SEARCH_OWNER_ID	Search owner identifier Integer 32-bit signed Contains the process identifier of the process that is sending notifications to the indexer about objects ready for indexing.
0x35df	0x0003	PidTagValidFolderMask (PR_VALID_FOLDER_MASK)	Valid folder mask Integer 32-bit signed States which folders are valid for this message store See section: 4.15 Valid folder mask definitions
0x35e0	0x0102	PidTagIpmSubtreeEntryId (PR_IPM_SUBTREE_ENTRYID)	IPM sub tree root folder entry identifier Binary data Contains the entry identifier of the root of the interpersonal message (IPM) folder subtree in the message store's folder tree. See section: 6.4 The entry identifier structure (ENTRYID)
0x35e2	0x0102	PidTagIpmOutboxEntryId (PR_IPM_OUTBOX_ENTRYID)	Outbox entry folder identifier Binary data Contains the entry identifier of the standard interpersonal message (IPM) Outbox folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x35e3	0x0102	PidTagIpmWastebasketEntryId (PR_IPM_WASTEBASKET_ENTRYID)	Wastebasket folder entry identifier Binary data Contains the entry identifier of the standard interpersonal message (IPM) Deleted Items folder. See section: 6.4 The entry identifier structure (ENTRYID)

Item type	Value type	Identifier	Description
0x35e4	0x0102	PidTagIpmSentMailEntryId (PR_IPM_SENTMAIL _ENTRYID)	Sent mail folder entry identifier Binary data Contains the entry identifier of the standard interpersonal message (IPM) Sent Items folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x35e5	0x0102	PidTagViewsEntryId (PR_VIEWS_ENTRYID)	Views folder entry identifier Binary data Contains the entry identifier of the user-defined Views folder.
0x35e6	0x0102	PidTagCommonViewsEntryId (PR_COMMON_VIEWS_ENTRYID)	Common views folder entry identifier Binary data Contains the entry identifier of the predefined common view folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x35e7	0x0102	PidTagFinderEntryId (PR_FINDER_ENTRYID)	Finder folder entry identifier Binary data Contains the entry identifier for the folder where search results are typically created. See section: 6.4 The entry identifier structure (ENTRYID)

3.8. Folder and address book container properties (0x3600 – 0x36ff)

Item type	Value type	Identifier	Description
0x3600	0x0003	PidTagContainerFlags (PR_CONTAINER_FLAGS)	Address book container capabilities flags" Integer 32-bit signed Contains a bitmask of flags describing capabilities of an address book container. See section: 4.16 Container flag definitions
0x3601	0x0003	PidTagFolderType (PR_FOLDER_TYPE)	Folder type Integer 32-bit signed Contains a constant that indicates the folder type See section: 4.17 Folder type definitions
0x3602	0x0003	PidTagContentCount (PR_CONTENT_COUNT)	Number of content items Integer 32-bit signed Contains the number of messages in a folder, as computed by the message store.
0x3603	0x0003	PidTagContentUnreadCount (PR_CONTENT_UNREAD)	Number of unread content items Integer 32-bit signed Contains the number of unread messages in a folder, as computed by the message

Item type	Value type	Identifier	Description
			store.
0x3604	0x000d	PidTagCreateTemplates (PR_CREATE_TEMPLATES)	Dialog box template entry identifiers Embedded object Contains an embedded table object that contains dialog box template entry identifiers.
0x3605	0x000d	PidTagDetailsTable (PR_DETAILS_TABLE)	Display table object Embedded object Contains an embedded display table object.
0x3607	0x000d	PR_SEARCH	<mark>Unknown</mark> Embedded object
0x3609	0x000b	PR_SELECTABLE	<mark>Unknown</mark> Boolean
0x360a	0x000b	PidTagSubfolders (PR_SUBFOLDERS)	Has sub folders Boolean Contains TRUE if a folder contains subfolders.
0x360b	0x0003	PR_STATUS	<mark>Unknown</mark> Integer 32-bit signed
0x360c	0x001e 0x001f	PR_ANR	<mark>Unknown</mark> ASCII string or Unicode string
0x360d	0x0003	PR_CONTENTS_SORT_ORDER	<mark>Unknown</mark> Integer 32-bit signed
0x360e	0x000d	PR_CONTAINER_HIERARCHY	<mark>Container hierarchy</mark> Embedded object
0x360f	0x000d	PR_CONTAINER_CONTENTS	<mark>Unknown</mark> Embedded object
0x3610	0x000d	PR_FOLDER_ASSOCIATED_CONTENTS	<mark>Unknown</mark> Embedded object
0x3611	0x0102	PR_DEF_CREATE_DL	<mark>Unknown</mark> Binary data
0x3612	0x0102	PR_DEF_CREATE_MAILUSER	<mark>Unknown</mark> Binary data
0x3613	0x001e 0x001f	PidTagContainerClass (PR_CONTAINER_CLASS)	Container class ASCII or Unicode string Contains a text string describing the type of a folder. Although this property is generally ignored, versions of Exchange Server prior to Exchange Server 2003 Mailbox Manager expect this property to

Item type	Value type	Identifier	Description
			be present. See section: 8.2 Container class definitions
0x3614	0x0014	PR_CONTAINER_MO DIFY_VERSION	<mark>Unknown</mark> Integer 64-bit signed
0x3615	0x0102	PidTagAbProviderId (PR_AB_PROVIDER_ ID)	Address book provider Binary data Contains an address book provider's MAPIUID structure.
0x3616	0x0102	PidTagDefaultViewEnt ryId (PR_DEFAULT_VIE W_ENTRYID)	Default view entry identifier Binary data Contains the entry identifier of the initial folder view. See section: 6.4 The entry identifier structure (ENTRYID)
0x3617	0x0003	PidTagAssociatedCont entCount (PR_ASSOC_CONTE NT_COUNT)	Number of associated content items Integer 32-bit signed Contains the count of items in the associated contents table of the folder.
0x361c	0x0102	PR_PACKED_NAME_ PROPS	<mark>Unknown</mark> Binary data Contains references to schema
0x36d0	0x0102	PidTagIpmAppointmen tEntryId (PR_IPM_APPOINTM ENT_ENTRYID)	Calendar folder entry identifier Binary data Contains the entry identifier of the Outlook Calendar folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x36d1	0x0102	PidTagIpmContactEntr yId (PR_IPM_CONTACT_ ENTRYID)	Contact folder entry identifier Binary data Contains the entry identifier of the Outlook Contacts folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x36d2	0x0102	PidTagIpmJournalEntr yId (PR_IPM_JOURNAL_ ENTRYID)	Journal folder entry identifier Binary data Contains the entry identifier of the Outlook Journal folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x36d3	0x0102	PidTagIpmNoteEntryId (PR_IPM_NOTE_ENT RYID)	Notes folder entry identifier Binary data Contains the entry identifier of the

Item type	Value type	Identifier	Description
			Outlook Notes folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x36d4	0x0102	PidTagIpmTaskEntryId (PR_IPM_TASK_ENTRYID)	Tasks folder entry identifier Binary data Contains the entry identifier of the Outlook Tasks folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x36d5	0x0102	PidTagRemindersOnlineEntryId (PR_REM_ONLINE_ENTRYID, ptagRemOnlineEntryId)	Online reminders folder entry identifier Binary data Contains folder information reference to "Online Reminders" See section: 6.4 The entry identifier structure (ENTRYID)
0x36d6	0x0102	PR_REMINDERS_OFFLINE_ENTRYID	Offline reminders folder entry identifier Binary data Contains folder information reference to "Offline Reminders" See section: 6.4 The entry identifier structure (ENTRYID)
0x36d7	0x0102	PidTagIpmDraftsEntryId (PR_IPM_DRAFTS_ENTRYID)	Drafts folder entry identifier Binary data Contains the entry identifier of the Outlook Drafts folder. See section: 6.4 The entry identifier structure (ENTRYID)
0x36d8	0x1102	PidTagAdditionalRenEntryIds (PR_ADDITIONAL_REN_ENTRYIDS, ptagAdditionalRenEntryIds) PR_OUTLOOK_2003_ENTRYIDS	Additional REN folder entry identifiers Array of Binary data values A multi-valued property that specifies the entry identifiers of certain special folders. The first five entries of this multi-valued property are mapped to the following special folders, if they exist on the store: 0 => Conflicts folder 1 => Sync Issues folder 2 => Local Failures folder 3 => Server Failures folder 4 => Junk E-mail Folder
0x36d9	0x0102		Unknown Binary data
0x36da	0x0102	PidTagExtendedFolderFlags (PR_EXTENDED_FOLDER_FLAGS)	Extended folder flags Binary data Contains extended flags about a folder. See section: 6.16 The extended folder flags structure

Item type	Value type	Identifier	Description
0x36db	0x0040		<mark>Unknown (Found in Exchange)</mark> Filetime
0x36dc	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x36de	0x0003		<mark>Unknown</mark> Integer 32-bit signed <mark>Some kind of flags</mark> <mark>0x00000000 => most folders</mark> <mark>0x10000000 => set in sync issues/local failures</mark> <mark>0x10000000 => set in server failures</mark> <mark>0x40000000 => set in calendar</mark>
0x36df	0x0102	PidTagFolderWebView Info (PR_FOLDER_WEBV IEWINFO)	Folder web view information Binary data Contains the URL for the home page of a folder. See section: 6.20 The folder web view information structure
0x36e0	0x0102	PR_FOLDER_XVIEW INFO_E	<mark>Unknown</mark> Binary data <mark>Does NOT contain an entry identifier</mark>
0x36e1	0x0003	PR_FOLDER_VIEWS _ONLY	<mark>Unknown</mark> Integer 32-bit signed
0x36e2	0x0003	PidTagOrdinalMost (PR_ORDINAL_MOS T)	Task ordinal maximum Integer 32-bit signed <mark>Contains a positive number whose negative is less than or equal to the value of PidLidTaskOrdinal of all Task objects in the folder.</mark>
0x36e4	0x1102	PidTagFreeBusyEntryI ds (PR_FREEBUSY_ENT RYIDS)	Free busy entry identifiers Array of Binary data values Contains the entry identifiers for the delegate information message, the free/busy message of the logged in user, and the folder whose PidTagDisplayName (PR_DISPLAY_NAME) is equal to "FreeBusy Data."
0x36e5	0x001e 0x001f	PR_DEF_MSG_CLAS S	<mark>Unknown</mark> ASCII string or Unicode string
0x36e6	0x001e	PR_DEF_FORM_NA	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
	0x001f	ME	ASCII string or Unicode string
0x36e9	0x000b	PR_GENERATE_EXCHANGE_VIEWS	Unknown Boolean
0x36eb	0x0102	PR_FOLDER_VIEWLIST	Folder view list Binary data Contains 4 zero bytes
0x36ec	0x0003	PR_AGING_PERIOD	Aging period Integer 32-bit signed Represents the number of time units that is used in determining the length of time an item remains in a folder before the item is archived.
0x36ee	0x0003	PR_AGING_GRANULARITY	Aging period granularity Integer 32-bit signed Represents the time unit that is used in determining the length of time an item remains in a folder before the item is archived. Se section: 4.18 Aging granularity definitions

3.9. Attachment properties (0x3700 – 0x38ff)

Item type	Value type	Identifier	Description
0x3700	0x0102	PR_ATTACHMENT_X400_PARAMETERS	Unknown Binary data
0x3701	0x000d	PidTagAttachDataObject (PR_ATTACH_DATA_OBJ)	Attachment data object Embedded object Contains an attachment object typically accessed through the Object Linking and Embedding (OLE) IStorage interface.
	0x0102	PidTagAttachDataBinary (PR_ATTACH_DATA_BIN)	Attachment data Binary data Contains binary attachment data typically accessed through the Object Linking and Embedding (OLE) IStream interface.
0x3702	0x0102	PidTagAttachEncoding (PR_ATTACH_ENCODING)	Attachment encoding Binary data formatted as MAPIOID Contains an ASN.1 object identifier that specifies the encoding for an attachment.
0x3703	0x001e	PidTagAttachExtensio	Attachment extension

Item type	Value type	Identifier	Description
	0x001f	n (PR_ATTACH_EXTENSION)	ASCII or Unicode string Contains a file name extension that indicates the document type of an attachment.
0x3704	0x001e 0x001f	PidTagAttachFilename (PR_ATTACH_FILENAME)	Attachment (short) filename ASCII or Unicode string Contains an attachment's base file name and extension, excluding path.
0x3705	0x0003	PidTagAttachMethod (PR_ATTACH_METHOD)	Attachment method Integer 32-bit signed Contains a MAPI-defined constant representing the way the contents of an attachment can be accessed. See section: 4.19 Attachment method definitions
0x3707	0x001e 0x001f	PidTagAttachLongFilename (PR_ATTACH_LONG_FILENAME)	Attachment long filename ASCII or Unicode string Contains an attachment's long filename and extension, excluding path.
0x3708	0x001e 0x001f	PidTagAttachPathname (PR_ATTACH_PATHNAME)	Attachment (short) pathname ASCII or Unicode string Contains an attachment's fully-qualified path and filename.
0x3709	0x0102	PidTagAttachRendering (PR_ATTACH_RENDERING)	Attachment rendering information Binary data Contains a Microsoft Windows metafile with rendering information for an attachment.
0x370a	0x0102	PidTagAttachTag (PR_ATTACH_TAG)	Attachment application tag Binary data formatted as MAPIOID Contains an ASN.1 object identifier specifying the application that supplied an attachment.
0x370b	0x0003	PidTagRenderingPosition (PR_RENDERING_POSITION)	Attachment rendering offset Integer 32-bit signed Contains an offset, in characters, to use in rendering an attachment within the main message text. When the supplied offset is -1 (0xffffffff), the attachment is not rendered by using this property. All values other than -1 indicate the position within the PidTagBody (PR_BODY) property at which the attachment is to be rendered.

Item type	Value type	Identifier	Description
0x370c	0x001e 0x001f	PidTagAttachTransport Name (PR_ATTACH_TRAN SPORT_NAME)	Attachment TNEF transport name ASCII or Unicode string Contains the name of an attachment file modified so that it can be associated with TNEF messages.
0x370d	0x001e 0x001f	PidTagAttachLongPath name (PR_ATTACH_LONG _PATHNAME)	Attachment long pathname ASCII or Unicode string Contains an attachment's fully-qualified long path and filename.
0x370e	0x001e 0x001f	PidTagAttachMimeTag (PR_ATTACH_MIME _TAG)	Attachment mime type ASCII or Unicode string Contains formatting information about a Multipurpose Internet Mail Extensions (MIME) attachment.
0x370f	0x0102	PidTagAttachAddition alInformation (PR_ATTACH_ADDI TIONAL_INFO)	Attachment encoding information Binary data
0x3710	0x0003	PidTagAttachMimeSeq uence (R_ATTACH_MIME_ SEQUENCE)	Attachment MIME sequence number Integer 32-bit signed
0x3711	0x001e 0x001f	PidTagAttachContentB ase (PR_ATTACH_CONT ENT_BASE)	Attachment MIME content base header URI ASCII or Unicode string
0x3712	0x001e 0x001f	PidTagAttachContentI d (PR_ATTACH_CONT ENT_ID)	Attachment MIME content identifier header ASCII or Unicode string
0x3713	0x001e 0x001f	PidTagAttachContentL ocation (PR_ATTACH_CONT ENT_LOCATION)	Attachment MIME content location header ASCII or Unicode string
0x3714	0x0003	PidTagAttachFlags (PR_ATTACH_FLAG S)	Attachment flags Integer 32-bit signed See section: 4.20 Attachment flag definitions
0x3716	0x001e 0x001f	PR_ATTACH_CONTE NT_DISPOSITION	<mark>Attachment content disposition</mark> ASCII or Unicode string
0x3719	0x001e 0x001f	PidTagAttachPayloadP roviderGuidString (PR_ATTACH_PAYL	Attachment MIME X-Payload-Provider-Guid header ASCII or Unicode string

Item type	Value type	Identifier	Description
		OAD_PROV_GUID_STR)	
0x371a	0x001e 0x001f	PidTagAttachPayloadClass (PR_ATTACH_PAYLOAD_CLASS)	Attachment MIME X-Payload-Class header ASCII or Unicode string
0x371b	0x001e 0x001f	PidTagTextAttachmentCharset (ptagTextAttachmentCharset)	Attachment character set ASCII or Unicode string
0x380b	0x0003		<mark>Unknown (Found in Exchange)</mark> Integer 32-bit signed
0x3880	0x0102	PR_SYNCEVENT_SUPPRESS_GUID	<mark>Synchronization event suppress identifier</mark> Binary data

3.10. Address book properties (0x3900 – 0x39ff)

Item type	Value type	Identifier	Description
0x3900	0x0003	PidTagDisplayType (PR_DISPLAY_TYPE)	Icon display type Integer 32-bit signed Contains a value used to associate an icon with a particular row of a table See section: 4.21 Icon display type definitions
0x3902	0x0102	PidTagTemplateid (PR_TEMPLATEID)	Service provider template entry identifier Binary data Contains an entry identifier that can find the code associated with a service provider.
0x3904	0x0102	PidTagPrimaryCapability (PR_PRIMARY_CAPABILITY)	Primary capability Binary data <mark>Unknown, deprecated according to MSDN</mark>
0x3905	0x0003	PidTagDisplayTypeEx (PR_DISPLAY_TYPE_EX)	Extended icon display type Integer 32-bit signed Contains the type of an entry, with respect to how the entry should be displayed in a row in a table for the Global Address List. See section: 4.22 Extended icon display

Item type	Value type	Identifier	Description
0x39fe	0x001e 0x001f	PidTagSmtpAddress (PR_SMTP_ADDRES S)	SMTP address ASCII or Unicode string Contains the SMTP address for the address book object.
0x39ff	0x001e 0x001f	PidTag7BitDisplayNa me (PR_7BIT_DISPLAY_ NAME)	Messaging username ASCII or Unicode string Contains a 7-bit ASCII representation of a messaging user's name.

3.11. Messaging user properties (0x3a00 – 0x3bff)

Item type	Value type	Identifier	Description
0x3a00	0x001e 0x001f	PidTagAccount (PR_ACCOUNT)	Recipient account name ASCII or Unicode string
0x3a01	0x0102	PidTagAlternateRecipi ent (PR_ALTERNATE_R ECIPIENT)	Alternate recipient entry identifiers Binary data Contains: FLATENTRYLIST
0x3a02	0x001e 0x001f	PidTagCallbackTeleph oneNumber (PR_CALLBACK_TE LEPHONE_NUMBER)	Callback telephone number ASCII or Unicode string
0x3a03	0x000b	PidTagConversionProh ibited (PR_CONVERSION_P ROHIBITED)	Conversion prohibited Boolean
0x3a04	0x000b	PR_DISCLOSE_RECI PIENTS	Disclosure recipient Boolean
0x3a05	0x001e 0x001f	PidTagGeneration (PR_GENERATION)	Generational abbreviation ASCII or Unicode string FTK: Name suffix
0x3a06	0x001e 0x001f	PidTagGivenName (PR_GIVEN_NAME)	Given name ASCII or Unicode string
0x3a07	0x001e 0x001f	PidTagGovernmentIdN umber (PR_GOVERNMENT_ ID_NUMBER)	Government identifier ASCII or Unicode string
0x3a08	0x001e 0x001f	PidTagBusinessTeleph oneNumber (PR_BUSINESS_TEL EPHONE_NUMBER, PR_OFFICE_TELEPH	Primary business (office) phone number ASCII or Unicode string

Item type	Value type	Identifier	Description
		ONE_NUMBER)	
0x3a09	0x001e 0x001f	PidTagHomeTelephone Number (PR_HOME_TELEPH ONE_NUMBER)	Home phone number ASCII or Unicode string
0x3a0a	0x001e 0x001f	PidTagInitials (PR_INITIALS)	Initials ASCII or Unicode string
0x3a0b	0x001e 0x001f	PidTagKeyword (PR_KEYWORD)	Keyword ASCII or Unicode string
0x3a0c	0x001e 0x001f	PidTagLanguage (PR_LANGUAGE)	Language ASCII or Unicode string
0x3a0d	0x001e 0x001f	PidTagLocation (PR_LOCATION)	Location ASCII or Unicode string
0x3a0e	0x000b	PidTagMailPermission (PR_MAIL_PERMISSI ON)	Permitted to send/receive messaged Boolean
0x3a0f	0x001e 0x001f	PidTagMessageHandlin gSystemCommonName (PR_MHS_COMMON _NAME)	Message handling system (MHS) common name ASCII or Unicode string
0x3a10	0x001e 0x001f	PidTagOrganizationalI dNumber (PR_ORGANIZATIO NAL_ID_NUMBER)	Organizational identification number ASCII or Unicode string
0x3a11	0x001e 0x001f	PidTagSurname (PR_SURNAME)	Surname ASCII or Unicode string <mark>FTK: Last name</mark>
0x3a12	0x0102	PidTagOriginalEntryId (PR_ORIGINAL_ENT RY_ID)	Original entry identifier Binary data Contains the original entry identifier for an entry copied from an address book to a personal address book or other writeable address book. See section: 6.4 The entry identifier structure (ENTRYID)
0x3a13	0x001e 0x001f	PidTagOriginalDisplay Name (PR_ORIGINAL_DISP LAY_NAME)	Original display name ASCII or Unicode string Contains the original display name for an entry copied from an address book to a personal address book or other writable address book.
0x3a14	0x0102	PidTagOriginalSearch Key (PR_ORIGINAL_SEA RCH_KEY)	Original search key Binary data Contains the original search key for an entry copied from an address book to a

Item type	Value type	Identifier	Description
			personal address book or other writeable address book.
0x3a15	0x001e 0x001f	PidTagPostalAddress (PR_POSTAL_ADDRESS)	Default Postal Address ASCII or Unicode string
0x3a16	0x001e 0x001f	PidTagCompanyName (PR_COMPANY_NAME)	Company name ASCII or Unicode string
0x3a17	0x001e 0x001f	PidTagTitle (PR_TITLE)	Job title ASCII or Unicode string <mark>FTK: Profession</mark>
0x3a18	0x001e 0x001f	PidTagDepartmentName (PR_DEPARTMENT_ NAME)	Department name ASCII or Unicode string Used in contact item
0x3a19	0x001e 0x001f	PidTagOfficeLocation (PR_OFFICE_LOCAT ION)	Office location ASCII or Unicode string
0x3a1a	0x001e 0x001f	PidTagPrimaryTelepho neNumber (PR_PRIMARY_TELE PHONE_NUMBER)	Primary Telephone ASCII or Unicode string
0x3a1b	0x001e 0x001f	PidTagBusiness2Telep honeNumber (PR_BUSINESS2_TEL EPHONE_NUMBER, PR_OFFICE2_TELEP HONE_NUMBER)	Secondary business (office) phone number ASCII or Unicode string
0x3a1c	0x001e 0x001f	PidTagMobileTelephon eNumber (PR_MOBILE_TELEP HONE_NUMBER, PR_CELLULAR_TEL EPHONE_NUMBER)	Mobile phone number ASCII or Unicode string
0x3a1d	0x001e 0x001f	PidTagRadioTelephone Number (PR_RADIO_TELEPH ONE_NUMBER)	Radio phone number ASCII or Unicode string
0x3a1e	0x001e 0x001f	PidTagCarTelephoneN umber (PR_CAR_TELEPHO NE_NUMBER)	Car phone number ASCII or Unicode string
0x3a1f	0x001e 0x001f	PidTagOtherTelephone Number (PR_OTHER_TELEPH	Alternate telephone number ASCII or Unicode string

Item type	Value type	Identifier	Description
		ONE_NUMBER)	
0x3a20	0x001e 0x001f	PidTagTransmittableDisplayName (PR_TRANSMITTABLE_DISPLAY_NAME)	Transmittable display name ASCII or Unicode string Contains a recipient's display name in a secure form that cannot be changed
0x3a21	0x001e 0x001f	PidTagPagerTelephoneNumber (PR_PAGER_TELEPHONE_NUMBER)	Pager phone number ASCII or Unicode string
0x3a22	0x0102	PidTagUserCertificate (PR_USER_CERTIFICATE)	User certificate Binary data Contains an ASN.1 authentication certificate
0x3a23	0x001e 0x001f	PidTagPrimaryFaxNumber (PR_PRIMARY_FAX_NUMBER)	Primary fax number ASCII or Unicode string
0x3a24	0x001e 0x001f	PidTagBusinessFaxNumber (PR_BUSINESS_FAX_NUMBER)	Business (office) fax number ASCII or Unicode string
0x3a25	0x001e 0x001f	PidTagHomeFaxNumber (PR_HOME_FAX_NUMBER)	Home fax number ASCII or Unicode string
0x3a26	0x001e 0x001f	PidTagCountry (PR_COUNTRY, PR_BUSINESS_ADDRESS_COUNTRY)	Country ASCII or Unicode string
0x3a27	0x001e 0x001f	PidTagLocality (PR_LOCALITY, PR_BUSINESS_ADDRESS_LOCALITY, PR_BUSINESS_ADDRESS_CITY)	Locality (town or city) ASCII or Unicode string
0x3a28	0x001e 0x001f	PidTagStateOrProvince (PR_STATE_OR_PROVINCE, PR_BUSINESS_ADDRESS_STATE_OR_PROVINCE)	State or province ASCII or Unicode string
0x3a29	0x001e 0x001f	PidTagStreetAddress (PR_STREET_ADDRESS, PR_BUSINESS_ADDRESS_STREET)	Street ASCII or Unicode string

Item type	Value type	Identifier	Description
0x3a2a	0x001e 0x001f	PidTagPostalCode (PR_POSTAL_CODE, PR_BUSINESS_ADD RESS_POSTAL_COD E)	Postal code ASCII or Unicode string
0x3a2b	0x001e 0x001f	PidTagPostOfficeBox (PR_POST_OFFICE_B OX, PR_BUSINESS_ADD RESS_PO_BOX)	Post office box ASCII or Unicode string
0x3a2c	0x001e 0x001f	PidTagTelexNumber (PR_TELEX_NUMBE R)	Telex number ASCII or Unicode string
0x3a2d	0x001e 0x001f	PidTagIsdnNumber (PR_ISDN_NUMBER)	ISDN number ASCII or Unicode string
0x3a2e	0x001e 0x001f	PidTagAssistantTeleph oneNumber (PR_ASSISTANT_TE LEPHONE_NUMBER)	Assistant phone number ASCII or Unicode string
0x3a2f	0x001e 0x001f	PidTagHome2Telephon eNumber (PR_HOME2_TELEPH ONE_NUMBER)	Secondary home phone number ASCII or Unicode string
0x3a30	0x001e 0x001f	PidTagAssistant (PR_ASSISTANT)	Assistant name ASCII or Unicode string
0x3a40	0x000b	PidTagSendRichInfo (PR_SEND_RICH_INF O)	Can receive rich text (RTF, OLE) Boolean Contains TRUE if the recipient can receive all message content, including Rich Text Format (RTF) and Object Linking and Embedding (OLE) objects
0x3a41	0x0040	PidTagWeddingAnnive rsary (PR_WEDDING_ANN IVERSARY)	Wedding anniversary Filetime
0x3a42	0x0040	PidTagBirthday (PR_BIRTHDAY)	Birthday Filetime
0x3a43	0x001e 0x001f	PidTagHobbies (PR_HOBBIES)	Hobbies ASCII or Unicode string
0x3a44	0x001e 0x001f	PidTagMiddleName (PR_MIDDLE_NAME)	Middle name(s) ASCII or Unicode string
0x3a45	0x001e 0x001f	PidTagDisplayNamePr efix	Display name prefix ASCII or Unicode string

Item type	Value type	Identifier	Description
		(PR_DISPLAY_NAME_PREFIX)	Contains the contact title (such as Mr., Ms.) <mark>FTK: Title</mark>
0x3a46	0x001e 0x001f	PidTagProfession (PR_PROFESSION)	Profession ASCII or Unicode string
0x3a47	0x001e 0x001f	PidTagPreferredByName (PR_PREFERRED_BY_NAME)	Preferred name ASCII or Unicode string
0x3a48	0x001e 0x001f	PidTagSpouseName (PR_SPOUSE_NAME)	Name spouse ASCII or Unicode string
0x3a49	0x001e 0x001f	PidTagComputerNetworkName (PR_COMPUTER_NETWORK_NAME)	Computer network name ASCII or Unicode string
0x3a4a	0x001e 0x001f	PidTagCustomerId (PR_CUSTOMER_ID)	Customer identifier ASCII or Unicode string
0x3a4b	0x001e 0x001f	PidTagTtyTddPhoneNumber (PR_TTYTDD_PHONE_NUMBER)	Text telephone (TTY) or telecommunication device for the deaf (TDD) phone number ASCII or Unicode string Alias: PidTagTelecommunicationsDeviceForDeafTelephoneNumber
0x3a4c	0x001e 0x001f	PidTagFtpSite (PR_FTP_SITE)	FTP site ASCII or Unicode string
0x3a4d	0x0002	PidTagGender (PR_GENDER)	Gender Integer 16-bit signed Contains the gender of the messaging user. See section: 4.23 Gender definitions
0x3a4e	0x001e 0x001f	PidTagManagerName (PR_MANAGER_NAME)	Name manager ASCII or Unicode string
0x3a4f	0x001e 0x001f	PidTagNickname (PR_NICKNAME)	Nickname ASCII or Unicode string
0x3a50	0x001e 0x001f	PidTagPersonalHomePage (PR_PERSONAL_HOME_PAGE)	Personal home page ASCII or Unicode string
0x3a51	0x001e 0x001f	PidTagBusinessHomePage (PR_BUSINESS_HOME_PAGE)	Business home page ASCII or Unicode string

Item type	Value type	Identifier	Description
0x3a52	0x0048	PidTagContactVersion (PR_CONTACT_VERSION)	Contact version GUID Contains the version of the contact information. ==Why as a GUID?==
0x3a53	0x1102	PR_CONTACT_ENTRYIDS	==Contact entry identifiers== Array of Binary data values ==Contains ENTRYID?==
0x3a54	0x101e 0x101f	PidTagContactAddressTypes (PR_CONTACT_ADDRTYPES)	Contact address types Array of ASCII or Unicode string values Contains a list of address types for a contact.
0x3a55	0x0003	PR_CONTACT_DEFAULT_ADDRESS_INDEX	==Contact default address index== Integer 32-bit signed
0x3a56	0x001e 0x001f	PR_CONTACT_EMAIL_ADDRESSES	==Contact email addresses== ASCII or Unicode string
0x3a57	0x001e 0x001f	PidTagCompanyMainTelephoneNumber (PR_COMPANY_MAIN_PHONE_NUMBER)	Company main phone number ASCII or Unicode string
0x3a58	0x001e 0x001f	PidTagChildrensNames (PR_CHILDRENS_NAMES)	Name(s) of children ASCII or Unicode string
0x3a59	0x001e 0x001f	PidTagHomeAddressCity (PR_HOME_ADDRESS_CITY)	City of home address ASCII or Unicode string
0x3a5a	0x001e 0x001f	PidTagHomeAddressCountry (PR_HOME_ADDRESS_COUNTRY)	Country of home address ASCII or Unicode string
0x3a5b	0x001e 0x001f	PidTagHomeAddressPostalCode (PR_HOME_ADDRESS_POSTAL_CODE)	Postal code of home address ASCII or Unicode string
0x3a5c	0x001e 0x001f	PidTagHomeAddressStateOrProvince (PR_HOME_ADDRESS_STATE_OR_PROVINCE)	State or province of home address ASCII or Unicode string
0x3a5d	0x001e 0x001f	PidTagHomeAddressStreet (PR_HOME_ADDRESS_STREET)	Street of home address ASCII or Unicode string
0x3a5e	0x001e	PidTagHomeAddressP	Post office box of home address

Item type	Value type	Identifier	Description
	0x001f	ostOfficeBox (PR_HOME_ADDRESS_POST_OFFICE_BOX)	ASCII or Unicode string
0x3a5f	0x001e 0x001f	PidTagOtherAddressCity (PR_OTHER_ADDRESS_CITY)	City of other address ASCII or Unicode string
0x3a60	0x001e 0x001f	PidTagOtherAddressCountry (PR_OTHER_ADDRESS_COUNTRY)	Country of other address ASCII or Unicode string
0x3a61	0x001e 0x001f	PidTagOtherAddressPostalCode (PR_OTHER_ADDRESS_POSTAL_CODE)	Postal code of other address ASCII or Unicode string
0x3a62	0x001e 0x001f	PidTagOtherAddressStateOrProvince (PR_OTHER_ADDRESS_STATE_OR_PROVINCE)	State or province of of other address ASCII or Unicode string
0x3a63	0x001e 0x001f	PidTagOtherAddressStreet (PR_OTHER_ADDRESS_STREET)	Street of other address ASCII or Unicode string
0x3a64	0x001e 0x001f	PidTagOtherAddressPostOfficeBox (PR_OTHER_ADDRESS_POST_OFFICE_BOX)	Post office box of other address ASCII or Unicode string
0x3a70	0x1102	PidTagUserX509Certificate (PR_USER_X509_CERTIFICATE)	User X.509 certificate Array of Binary data Contains a list of X.509 certificates
0x3a71	0x0003	PidTagSendInternetEncoding (PR_SEND_INTERNET_ENCODING)	Message encoding preference flags Integer 32-bit signed See section: 4.24 Encoding preference flag definitions

3.12. Distribution list properties (0x3c00 – 0x3cff)

Item type	Value type	Identifier	Description

3.13. Profile properties (0x3d00 – 0x3dff)

Item type	Value type	Identifier	Description
0x3d00	0x0102	PR_STORE_PROVID ERS	Unknown Binary data
0x3d01	0x0102	PR_AB_PROVIDERS	Unknown Binary data
0x3d02	0x0102	PR_TRANSPORT_PR OVIDERS	Unknown Binary data
0x3d04	0x000b	PR_DEFAULT_PROFI LE	Unknown Boolean
0x3d05	0x1102	PR_AB_SEARCH_PA TH	Unknown Array of Binary data values
0x3d06	0x0102	PR_AB_DEFAULT_D IR	Unknown Binary data
0x3d07	0x0102	PR_AB_DEFAULT_P AB	Unknown Binary data
0x3d08	0x0102	PR_FILTERING_HOO KS	Unknown Binary data
0x3d09	0x001e 0x001f	PR_SERVICE_NAME	Unknown ASCII or Unicode string
0x3d0a	0x001e 0x001f	PR_SERVICE_DLL_N AME	Unknown ASCII or Unicode string
0x3d0b	0x001e 0x001f	PR_SERVICE_ENTR Y_NAME	Unknown ASCII or Unicode string
0x3d0c	0x0102	PR_SERVICE_UID	Unknown Binary data
0x3d0d	0x0102	PR_SERVICE_EXTR A_UIDS	Unknown Binary data
0x3d0e	0x0102	PR_SERVICES	Unknown Binary data
0x3d0f	0x001e 0x001f	PR_SERVICE_SUPPO RT_FILES	Unknown ASCII or Unicode string
0x3d10	0x001e 0x001f	PR_SERVICE_DELET E_FILES	Unknown ASCII or Unicode string
0x3d11	0x0102	PR_AB_SEARCH_PA TH_UPDATE	Unknown Binary data
0x3d12	0x001e 0x001f	PR_PROFILE_NAME	Unknown ASCII or Unicode string
0x3d13	0x001e 0x001f	PR_SERVICE_INSTA LL_ID	Unknown ASCII or Unicode string

Item type	Value type	Identifier	Description
0x3d21	0x0102	ptagAdminNTSD (PR_ADMIN_SECURITY_DESCRIPTOR)	Administrator permissions (NT security descriptor) Binary data Holds the NT security descriptors of the Administrative users or groups that can access the folder. See section: 6.11 The security descriptor structure

3.14. Status object properties (0x3e00 – 0x3fff)

Item type	Value type	Identifier	Description
0x3e00	0x001e 0x001f	PR_IDENTITY_DISPLAY	<mark>Unknown</mark> ASCII or Unicode string
0x3e01	0x0102	PR_IDENTITY_ENTRYID	<mark>Unknown</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x3e02	0x0003	PR_RESOURCE_METHODS	<mark>Unknown</mark> Integer 32-bit signed
0x3e03	0x0003	PR_RESOURCE_TYPE	<mark>Unknown</mark> Integer 32-bit signed
0x3e04	0x0003	PR_STATUS_CODE	<mark>Unknown</mark> Integer 32-bit signed
0x3e05	0x0102	PR_IDENTITY_SEARCH_KEY	<mark>Unknown</mark> Binary data
0x3e06	0x0102	PR_OWN_STORE_ENTRYID	<mark>Unknown</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x3e07	0x001e 0x001f	PR_RESOURCE_PATH	<mark>Unknown</mark> ASCII or Unicode string
0x3e08	0x001e 0x001f	PR_STATUS_STRING	<mark>Unknown</mark> ASCII or Unicode string
0x3e09	0x000b	PR_X400_DEFERRED_DELIVERY_CANCEL	<mark>Unknown</mark> Boolean
0x3e0a	0x0102	PR_HEADER_FOLDER_ENTRYID	<mark>Unknown</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x3e0b	0x0003	PR_REMOTE_PROGRESS	<mark>Unknown</mark> Integer 32-bit signed

Item type	Value type	Identifier	Description
0x3e0c	0x001e 0x001f	PR_REMOTE_PROGRESS_TEXT	<mark>Unknown</mark> ASCII or Unicode string
0x3e0e	0x000b	PR_REMOTE_VALIDATE_OK	<mark>Unknown</mark> Boolean
0x3f00	0x0003	PR_CONTROL_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x3f01	0x0102	PR_CONTROL_STRUCTURE	<mark>Unknown</mark> Binary data
0x3f02	0x0003	PR_CONTROL_TYPE	<mark>Unknown</mark> Integer 32-bit signed
0x3f03	0x0003	PR_DELTAX	<mark>Unknown</mark> Integer 32-bit signed
0x3f04	0x0003	PR_DELTAY	<mark>Unknown</mark> Integer 32-bit signed
0x3f05	0x0003	PR_XPOS	<mark>Unknown</mark> Integer 32-bit signed
0x3f06	0x0003	PR_YPOS	<mark>Unknown</mark> Integer 32-bit signed
0x3f07	0x0102	PR_CONTROL_ID	<mark>Unknown</mark> Binary data
0x3f08	0x0003	PR_INITIAL_DETAILS_PANE	<mark>Unknown</mark> Integer 32-bit signed
0x3f80	0x0014	PR_DID	<mark>Unknown</mark> Integer 64-bit signed
0x3f81	0x0014	PR_SEQID	<mark>Unknown</mark> Integer 64-bit signed
0x3f82	0x0014	PR_DRAFTID	<mark>Unknown</mark> Integer 64-bit signed
0x3f83	0x0040	PR_CHECK_IN_TIME	<mark>Unknown</mark> Filetime
0x3f84	0x001e 0x001f	PR_CHECK_IN_COMMENT	<mark>Unknown</mark> ASCII or Unicode string
0x3f85	0x0003	PR_VERSION_OP_CODE	<mark>Unknown</mark> Integer 32-bit signed
0x3f86	0x0102	PR_VERSION_OP_DATA	<mark>Unknown</mark> Binary data
0x3f87	0x0003	PR_VERSION_SEQUENCE_NUMBER	<mark>Unknown</mark> Integer 32-bit signed
0x3f88	0x0014	PR_ATTACH_ID	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
			Integer 64-bit signed
0x3f8d	0x001e 0x001f	PR_PKM_DOC_STAT US	<mark>Unknown</mark> ASCII or Unicode string
0x3f8e	0x101e 0x101f	PR_MV_PKM_OPER ATION_REQ	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x3f8f	0x001e 0x001f	PR_PKM_DOC_INTE RNAL_STATE	<mark>Unknown</mark> ASCII or Unicode string
0x3f90	0x0002	PR_VERSIONING_FL AGS	<mark>Unknown</mark> Integer 16-bit signed
0x3f91	0x0102	PR_PKM_LAST_UNA PPROVED_VID	<mark>Unknown</mark> Binary data
0x3f92	0x101e 0x101f	PR_MV_PKM_VERSI ON_LABELS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x3f93	0x101e 0x101f	PR_MV_PKM_VERSI ON_STATUS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x3f94	0x0102	PR_PKM_INTERNAL _DATA	<mark>Unknown</mark> Binary data
0x3fc9	0x0102	PR_LAST_CONFLICT	<mark>Unknown</mark> Binary data
0x3fca	0x0102	PR_CONFLICT_MSG _KEY	<mark>Unknown</mark> Binary data
0x3fd0	0x0102	PR_REPL_HEADER	<mark>Unknown</mark> Binary data
0x3fd1	0x0102	PR_REPL_STATUS	<mark>Unknown</mark> Binary data
0x3fd2	0x0102	PR_REPL_CHANGES	<mark>Unknown</mark> Binary data
0x3fd3	0x0102	PR_REPL_RGM	<mark>Unknown</mark> Binary data
0x3fd4	0x0102	PR_RMI	<mark>Unknown</mark> Binary data
0x3fd5	0x0102	PR_INTERNAL_POS T_REPLY	<mark>Unknown</mark> Binary data
0x3fd6	0x0040	PR_NTSD_MODIFIC ATION_TIME	<mark>Unknown</mark> Filetime <mark>Last modification date and time of the NT security descriptor 0x0e27 (ptagNTSD)?</mark>

Item type	Value type	Identifier	Description
0x3fd8	0x001e 0x001f	PR_PREVIEW_UNRE AD	<mark>Unknown</mark> ASCII or Unicode string
0x3fd9	0x001e 0x001f	PR_PREVIEW	<mark>Unknown</mark> ASCII or Unicode string
0x3fda	0x001e 0x001f	PR_ABSTRACT	<mark>Unknown</mark> ASCII or Unicode string
0x3fdb	0x0003	PR_DL_REPORT_FL AGS	<mark>Unknown</mark> Integer 32-bit signed
0x3fdc	0x0102	PR_BILATERAL_INF O	<mark>Unknown</mark> Binary data
0x3fdd	0x0003	PR_MSG_BODY_ID	<mark>Unknown</mark> Integer 32-bit signed
0x3fde	0x0003	PidTagInternetCodepag e (PR_INTERNET_CPI D)	Message body codepage Integer 32-bit signed Indicates the code page used for PR_BODY (PidTagBody) or PR_BODY_HTML (PidTagBodyHtml) properties. See section: 4.25 Codepage definitions
0x3fdf	0x0003	PidTagAutoResponseS uppress (PR_AUTO_RESPON SE_SUPPRESS, ptagAutoResponseSup press)	<mark>Suppress auto response</mark> Integer 32-bit signed
0x3fe0	0x000d	PR_ACL_TABLE	Access control list table object Embedded object (Exchange 5.5)
	0x0102	PR_ACL_DATA	Access control list data Binary data
0x3fe1	0x000d	PidTagRulesTable (PR_RULES_TABLE)	Folder rules table Embedded object Contains a reference to the (folder) rules table object.
	0x0102	PidTagRulesData (PR_RULES_DATA)	Folder rules data Binary data Contains a reference to the (folder) rules data.
0x3fe2	0x0003	PR_FOLDER_DESIG N_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x3fe3	0x000b	PR_DELEGATED_BY _RULE	<mark>Unknown</mark> Boolean
0x3fe4	0x000b	PR_DESIGN_IN_PRO	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
		GRESS	Boolean
0x3fe5	0x000b	PR_SECURE_ORIGIN ATION	Unknown Boolean
0x3fe6	0x000b	PR_PUBLISH_IN_AD DRESS_BOOK	Unknown Boolean
0x3fe7	0x0003	PidTagResolveMethod (PR_RESOLVE_MET HOD)	Conflict resolution method Integer 32-bit signed Contains a folder's conflict resolution value. See section: 4.26 Conflict resolution method definitions
0x3fe8	0x001e 0x001f	PR_ADDRESS_BOOK _DISPLAY_NAME	Unknown ASCII or Unicode string
0x3fe9	0x0003	PR_EFORMS_LOCAL E_ID	Unknown Integer 32-bit signed
0x3fea	0x000b	PR_HAS_DAMS	Unknown Boolean
0x3feb	0x0003	PR_DEFERRED_SEN D_NUMBER	Unknown Integer 32-bit signed
0x3fec	0x0003	PR_DEFERRED_SEN D_UNITS	Unknown Integer 32-bit signed
0x3fed	0x0003	PR_EXPIRY_NUMBE R	Unknown Integer 32-bit signed
0x3fee	0x0003	PR_EXPIRY_UNITS	Unknown Integer 32-bit signed
0x3fef	0x0040	PR_DEFERRED_SEN D_TIME	Unknown Filetime
0x3ff0	0x0102	PidTagConflictEntryId (PR_CONFLICT_ENT RYID)	Conflict entry identifier Binary data Contains the entry identifier of the conflict resolution message. See section: 6.4 The entry identifier structure (ENTRYID)
0x3ff1	0x0003	PidTagMessageLocaleI d (PR_MESSAGE_LOC ALE_ID)	Message locale identifier Integer 32-bit signed Contains the LCID of the user who created the message. See section: 5.1 The LCID structure
0x3ff2	0x0102	PR_RULE_TRIGGER _HISTORY	Unknown Binary data
0x3ff3	0x0102	PR_MOVE_TO_STOR E_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)

Item type	Value type	Identifier	Description
0x3ff4	0x0003	PR_MOVE_TO_FOLDER_ENTRYID	<mark>Unknown</mark> Integer 32-bit signed See section: 6.4 The entry identifier structure (ENTRYID)
0x3ff5	0x0003	PR_STORAGE_QUOTA_LIMIT	<mark>Unknown</mark> Integer 32-bit signed
0x3ff6	0x0003	PR_EXCESS_STORAGE_USED	<mark>Unknown</mark> Integer 32-bit signed
0x3ff7	0x001e 0x001f	PR_SVR_GENERATING_QUOTA_MSG	<mark>Unknown</mark> ASCII or Unicode string
0x3ff8	0x001e 0x001f	PR_CREATOR_NAME	<mark>Unknown</mark> ASCII or Unicode string
0x3ff9	0x0102	PR_CREATOR_ENTRYID	<mark>Unknown</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x3ffa	0x001e 0x001f	PR_LAST_MODIFIER_NAME	Last modifier name ASCII or Unicode string
0x3ffb	0x0102	PR_LAST_MODIFIER_ENTRYID	Last modifier entry identifier Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x3ffc	0x001e 0x001f	PR_REPLY_RECIPIENT_SMTP_PROXIES	<mark>Unknown</mark> ASCII or Unicode string
0x3ffd	0x0003	PidTagMessageCodepage (PR_MESSAGE_CODEPAGE)	Message codepage Integer 32-bit signed Contains the codepage that is used for the message. See section: 4.25 Codepage definitions
0x3ffe	0x0102	PR_EXTENDED_ACL_DATA	Extended ACL data Binary data
0x3fff	0x000b	PR_FROM_I_HAVE	<mark>Unknown</mark> Boolean

3.15. Message envelope properties (0x4000 – 0x57ff)

Item type	Value type	Identifier	Description
0x4000	0x0003	PR_NEW_ATTACH	<mark>Unknown</mark> Integer 32-bit signed
0x4001	0x0003	PR_START_EMBED	<mark>Unknown</mark> Integer 32-bit signed
0x4002	0x0003	PR_END_EMBED	<mark>Unknown</mark> Integer 32-bit signed

Item type	Value type	Identifier	Description
0x4003	0x0003	PR_START_RECIP	<mark>Unknown</mark> Integer 32-bit signed
0x4004	0x0003	PR_END_RECIP	<mark>Unknown</mark> Integer 32-bit signed
0x4005	0x0003	PR_END_CC_RECIP	<mark>Unknown</mark> Integer 32-bit signed
0x4006	0x0003	PR_END_BCC_RECIP	<mark>Unknown</mark> Integer 32-bit signed
0x4007	0x0003	PR_END_P1_RECIP	<mark>Unknown</mark> Integer 32-bit signed
			<mark>Unknown</mark> Integer 32-bit signed
0x4009	0x0003	PR_START_TOP_FLD	<mark>Unknown</mark> Integer 32-bit signed
0x400a	0x0003	PR_START_SUB_FLD	<mark>Unknown</mark> Integer 32-bit signed
0x400b	0x0003	PR_END_FOLDER	<mark>Unknown</mark> Integer 32-bit signed
0x400c	0x0003	PR_START_MESSAGE	<mark>Unknown</mark> Integer 32-bit signed
0x400d	0x0003	PR_END_MESSAGE	<mark>Unknown</mark> Integer 32-bit signed
0x400e	0x0003	PR_END_ATTACH	<mark>Unknown</mark> Integer 32-bit signed
0x400f	0x0003	PR_EC_WARNING	<mark>Unknown</mark> Integer 32-bit signed
0x4010	0x0003	PR_START_FAI_MSG	<mark>Unknown</mark> Integer 32-bit signed
0x4011	0x0102	PR_NEW_FX_FOLDER	<mark>Unknown</mark> Binary data
0x4012	0x0003	PR_INCR_SYNC_CHG	<mark>Unknown</mark> Integer 32-bit signed
0x4013	0x0003	PR_INCR_SYNC_DEL	<mark>Unknown</mark> Integer 32-bit signed
0x4014	0x0003	PR_INCR_SYNC_END	<mark>Unknown</mark> Integer 32-bit signed
0x4015	0x0003	PR_INCR_SYNC_MSG	<mark>Unknown</mark> Integer 32-bit signed
0x4016	0x0003	PR_FX_DEL_PROP	<mark>Unknown</mark> Integer 32-bit signed
0x4017	0x0003	PR_IDSET_GIVEN	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
			Integer 32-bit signed
0x4019	0x0003	PR_SENDER_FLAGS	==Sender flags== Integer 32-bit signed
0x401a	0x0003	PR_SENT_REPRESEN TING_FLAGS	==Sent representing flags== Integer 32-bit signed
0x401b	0x0003	PR_RCVD_BY_FLAG S	==Received by flags== Integer 32-bit signed
0x401c	0x0003	PR_RCVD_REPRESE NTING_FLAGS	==Received representing flags== Integer 32-bit signed
0x401d	0x0003	PR_ORIGINAL_SEND ER_FLAGS	==Original sender flags== Integer 32-bit signed
0x401e	0x0003	PR_ORIGINAL_SENT _REPRESENTING_FL AGS	==Original sent representing flags== Integer 32-bit signed
0x401f	0x0003	PR_REPORT_FLAGS	==Unknown== Integer 32-bit signed
0x4020	0x0003	PR_READ_RECEIPT_ FLAGS	==Unknown== Integer 32-bit signed
0x4021	0x000b	PR_SOFT_DELETES	==Unknown== Boolean
0x402c	0x0102	PR_MESSAGE_SUBM ISSION_ID_FROM_C LIENT	==Unknown== Binary data
0x4030	0x001e 0x001f	PR_SENDER_SIMPLE _DISP_NAME	==Unknown== ASCII or Unicode string
0x4031	0x001e 0x001f	PR_SENT_REPRESEN TING_SIMPLE_DISP_ NAME	==Unknown== ASCII or Unicode string
0x4038	0x001e 0x001f	PR_CREATOR_SIMP LE_DISP_NAME	==Unknown== ASCII or Unicode string
0x403d	0x001e 0x001f	PR_ORG_ADDR_TYP E	Original e-mail address type ASCII or Unicode string ==(Or does ORG stand for something else?)==
0x403e	0x001e 0x001f	PR_ORG_EMAIL_AD DR	Original e-mail address ASCII or Unicode string ==(Or does ORG stand for something else?)==

Item type	Value type	Identifier	Description
0x4059	0x0003	PR_CREATOR_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x405a	0x0003	PR_MODIFIER_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x405b	0x0003	PR_ORIGINATOR_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x405c	0x0003	PR_REPORT_DESTINATION_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x405d	0x0003	PR_ORIGINAL_AUTHOR_FLAGS	Original author flags Integer 32-bit signed <mark>Unknown</mark>
0x4061	0x0102	PR_ORIGINATOR_SEARCH_KEY	<mark>Unknown</mark> Binary data
0x4064	0x0102	PR_REPORT_DESTINATION_SEARCH_KEY	<mark>Unknown</mark> Binary data
0x4065	0x0003	PR_ER_FLAG	<mark>Unknown</mark> Integer 32-bit signed
0x4068	0x0102	PR_INTERNET_SUBJECT	<mark>Unknown</mark> Binary data
0x4069	0x0102	PR_INTERNET_SENT_REPRESENTING_NAME	<mark>Unknown</mark> Binary data
0x4076	0x0003	PR_CONTENT_FILTER_SCL	<mark>Unknown</mark> Integer 32-bit signed

3.16. Recipient properties (0x5800 - 0x5fff)

Item type	Value type	Identifier	Description
0x5902	0x0003	PR_INET_MAIL_OVERRIDE_FORMAT	<mark>Unknown</mark> Integer 32-bit signed
0x5909	0x0003	PidTagMessageEditorFormat (PR_MSG_EDITOR_FORMAT)	Message editor format Integer 32-bit signed Specifies the format for an editor to use to display a message.

Item type	Value type	Identifier	Description
			See section: 4.27 Message editor format definitions
0x5fde	0x0003		==Unknown (Found in NK2 file)== Integer 32-bit signed
0x5fdf	0x0003		==Unknown (Found in NK2 file)== Integer 32-bit signed
0x5feb	0x0003		==Unknown (Found in NK2 file)== Integer 32-bit signed
0x5fef	0x0003		==Unknown (Found in NK2 file)== Integer 32-bit signed
0x5ff2	0x0003		==Unknown (Found in NK2 file)== Integer 32-bit signed
0x5ff5	0x0003		==Unknown (Found in NK2 file)== Integer 32-bit signed
0x5ff6	0x001e 0x001f	PR_RECIPIENT_DISPLAY_NAME	==Unknown== ASCII or Unicode string
0x5ff7	0x0102	PR_RECIPIENT_ENTRYID	==Unknown== Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x5ffb	0x0040	PR_RECIPIENT_TRACKSTATUS_ME	==Unknown== Filetime
0x5ffd	0x0003	PR_RECIPIENTS_FLAGS	==Unknown== Integer 32-bit signed
0x5fff	0x0003	PR_RECIPIENT_TRACKSTATUS	==Unknown== Integer 32-bit signed

3.17. Non-transmittable message properties (0x6000 - 0x65ff)

Item type	Value type	Identifier	Description
0x6001	0x0003	PR_DOTSTUFF_STATE	==Unknown== Integer 32-bit signed

Item type	Value type	Identifier	Description
	0x001e 0x001f		Alias (Found in NK2 file) ASCII or Unicode string
0x6002	0x000b		Unknown (Found in NK2 file) Boolean
0x6003	0x001e 0x001f		Unknown (Found in NK2 file) ASCII or Unicode string contains e-mail address and name
0x6004	0x0003		Unknown (Found in NK2 file) Integer 32-bit signed
0x6100	0x0003		Unknown Integer 32-bit signed Found in IPM.ExtendedRule.Message
0x6101	0x0003		Unknown Integer 32-bit signed Found in IPM.ExtendedRule.Message
0x6102	0x0003		Unknown Integer 32-bit signed Found in IPM.ExtendedRule.Message
0x6103	0x0003		Unknown Integer 32-bit signed Found in IPM.ExtendedRule.Message
0x6104	0x001e 0x001f		Unknown ASCII or Unicode string Found in IPM.ExtendedRule.Message
0x6105	0x001e 0x001f		Unknown ASCII or Unicode string Found in IPM.ExtendedRule.Message
0x6107	0x000b		Unknown Boolean Found in IPM.ExtendedRule.Message
0x65a0	0x0014	PR_RULE_SERVER_RULE_ID	Unknown Integer 64-bit signed
0x65c2	0x0102	PR_REPLY_TEMPLATE_ID	Unknown Binary data
0x65c6	0x0003	PidTagSecureSubmitFlags	Secure submit flags Integer 32-bit signed TODO specification

Item type	Value type	Identifier	Description
0x65e0	0x0102	PidTagSourceKey (PR_SOURCE_KEY)	Source key Binary data Contains the global identifier (GID) of the item.
0x65e1	0x0102	PidTagParentSourceKey (PR_PARENT_SOURCE_KEY)	Parent source key Binary data Contains the global identifier (GID) of the parent folder of the item.
0x65e2	0x0102	PidTagChangeKey (PR_CHANGE_KEY)	Change key Binary data Contains a global identifier (GID) indicating the last change to the object. See section: 6.7 The change key structure
0x65e3	0x0102	PidTagPredecessorChangeList (PR_PREDECESSOR_CHANGE_LIST)	Predecessor change list Binary data Contains a serialized representation of a PredecessorChangeList structure. See section: 6.8 The change list structure
0x65e4	0x0003	PR_SYNCHRONIZE_FLAGS	Unknown Integer 32-bit signed
0x65e5	0x000b	PR_AUTO_ADD_NEW_SUBS	Unknown Boolean
0x65e6	0x000b	PR_NEW_SUBS_GET_AUTO_ADD	Unknown Boolean
0x65e7	0x001e 0x001f	PR_MESSAGE_SITE_NAME	Unknown ASCII or Unicode string
0x65e8	0x000b	PR_MESSAGE_PROCESSED	Unknown Boolean
0x65e9	0x0003	PR_RULE_MSG_STATE	Unknown Integer 32-bit signed
0x65ea	0x0003	PR_RULE_MSG_USER_FLAGS	Unknown Integer 32-bit signed
0x65eb	0x001e 0x001f	PR_RULE_MSG_PROVIDER	Unknown ASCII or Unicode string
0x65ec	0x001e 0x001f	PR_RULE_MSG_NAME	Unknown ASCII or Unicode string
0x65ed	0x0003	PR_RULE_MSG_LEVEL	Unknown Integer 32-bit signed
0x65ee	0x0102	PR_RULE_MSG_PROVIDER_DATA	Unknown Binary data
0x65ef	0x0102	PR_RULE_MSG_ACTIONS	Unknown Binary data

Item type	Value type	Identifier	Description
0x65f0	0x0102	PR_RULE_MSG_CON DITION	Unknown Binary data
0x65f1	0x0003	PR_RULE_MSG_CON DITION_LCID	Unknown Integer 32-bit signed The LCID of the rule message condition (PR_RULE_MSG_CONDITION) See section: 5.1 The LCID structure
0x65f2	0x0002	PR_RULE_MSG_VER SION	Unknown Integer 16-bit signed
0x65f3	0x0003	PR_RULE_MSG_SEQ UENCE	Unknown Integer 32-bit signed
0x65f4	0x000b	PR_PREVENT_MSG_ CREATE	Unknown Boolean
0x65f5	0x0040	PR_IMAP_INTERNA L_DATE	Unknown GUID
0x65f6	0x0102		Unknown (Found in Exchange) Binary data

3.18. Non-transmittable properties (0x6600 – 0x67ff)

Item type	Value type	Identifier	Description
0x6600	0x0003	PR_PROFILE_VERSI ON	Unknown Integer 32-bit signed
0x6601	0x0003	PR_PROFILE_CONFI G_FLAGS	Unknown Integer 32-bit signed
0x6602	0x001e 0x001f	PR_PROFILE_HOME_ SERVER	Unknown ASCII or Unicode string
0x6603	0x001e 0x001f	PR_PROFILE_USER	Unknown ASCII or Unicode string
0x6604	0x0003	PR_PROFILE_CONNE CT_FLAGS	Profile connection flags Integer 32-bit signed
0x6605	0x0003	PR_PROFILE_TRANS PORT_FLAGS	Unknown Integer 32-bit signed
0x6606	0x0003	PR_PROFILE_UI_ST ATE	Unknown Integer 32-bit signed
0x6607	0x001e 0x001f	PR_PROFILE_UNRES OLVED_NAME	Unknown ASCII or Unicode string
0x6608	0x001e 0x001f	PR_PROFILE_UNRES OLVED_SERVER	Unknown ASCII or Unicode string
	0x0102		Unknown Binary data
0x6609	0x0003	PR_PROFILE_OPEN_	Unknown

Item type	Value type	Identifier	Description
		FLAGS	Integer 32-bit signed
	0x001e 0x001f	PR_PROFILE_BINDI NG_ORDER	==Unknown== ASCII or Unicode string
	0x0102		==Unknown== Binary data
0x660a	0x0003	PR_PROFILE_TYPE	==Unknown== Integer 32-bit signed
	0x0102		==Unknown== Binary data
0x660b	0x0003		==Unknown== Integer 32-bit signed
	0x001e 0x001f	PR_PROFILE_MAILB OX	==Unknown== ASCII or Unicode string
0x660c	0x001e 0x001f	PR_PROFILE_SERVE R	==Unknown== ASCII or Unicode string
0x660d	0x0003	PR_PROFILE_MAX_ RESTRICT	==Unknown== Integer 32-bit signed
0x660e	0x001e 0x001f	PR_PROFILE_AB_FIL ES_PATH	==Unknown== ASCII or Unicode string
0x660f	0x001e 0x001f	PR_PROFILE_FAVFL D_DISPLAY_NAME	==Unknown== ASCII or Unicode string
0x6610	0x0003		==Unknown== Integer 32-bit signed ==Some kind of flags? Value is does not change much across items==
	0x001e 0x001f	PR_PROFILE_OFFLI NE_STORE_PATH	==Unknown== ASCII or Unicode string
0x6611	0x0003	PidTagContactAddress BookStoreSupportMask (PR_CONTAB_STOR E_SUPPORT_MASK)	Contact address book store support flags Integer 32-bit signed Contains the PidTagStoreSupportMask (PR_STORE_SUPPORT_MASK) property obtained from the store that contains the Contacts folder. See section: 4.14 Message store characteristics mask definitions
	0x0102	PR_PROFILE_OFFLI NE_INFO	==Unknown== Binary data
0x6612	0x0003		==Unknown== Integer 32-bit signed
	0x001e 0x001f	PR_PROFILE_HOME_ SERVER_DN	==Unknown== ASCII or Unicode string
0x6613	0x0040		==Unknown== Filetime

Item type	Value type	Identifier	Description
	0x001e 0x001f	PR_PROFILE_HOME_ SERVER_ADDRS	Unknown ASCII or Unicode string
0x6614	0x001e 0x001f	PR_PROFILE_SERVE R_DN	Unknown ASCII or Unicode string
	0x0102		Unknown Binary data
0x6615	0x0048		Unknown GUID Found in message store contains GUID of PFF file used in entry identifiers
	0x001e 0x001f	PR_PROFILE_FAVFL D_COMMENT	Unknown ASCII or Unicode string
0x6616	0x001e 0x001f	PR_PROFILE_ALLPU B_DISPLAY_NAME	Unknown ASCII or Unicode string
0x6617	0x001e 0x001f	PR_PROFILE_ALLPU B_COMMENT	Unknown ASCII or Unicode string
0x6618	0x0003	PR_DISABLE_WINS OCK	Unknown Integer 32-bit signed
	0x000b	PR_IN_TRANSIT	Unknown Boolean
	0x0048		Unknown GUID Found in attachment
0x6619	0x0003	PR_PROFILE_AUTH_ PACKAGE	Unknown Integer 32-bit signed
	0x001e 0x001f	PidTagPstBodyPrefix	Body prefix ASCII or Unicode string Contains the first part of the e-mail body contents (short preview)
	0x0102	PR_USER_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x661a	0x001e 0x001f	PR_USER_NAME	Unknown ASCII or Unicode string
0x661b	0x0102	PR_MAILBOX_OWN ER_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x661c	0x001e 0x001f	PR_MAILBOX_OWN ER_NAME	Unknown ASCII or Unicode string
	0x0102		Unknown Binary data

Item type	Value type	Identifier	Description
0x661d	0x0003	PidTagPstBestBodyProptag	==Unknown== Integer 32-bit signed
	0x000b	PR_OOF_STATE	==Unknown== Boolean
0x661e	0x0102	PR_SCHEDULE_FOLDER_ENTRYID	==Unknown== Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x661f	0x0014		==Unknown== Integer 64-bit signed ==Found in message store and sync issues with similar value as PRQ_ID_SECURE4== ==For sync issues this value relates to the PRQ_ID_SECURE4 value of the messages in this folder. Could it be the PRQ_ID_SECURE4 value for the next new message.==
	0x0102	PR_IPM_DAF_ENTRYID	==Unknown== Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6620	0x0003		==Unknown== Integer 32-bit signed ==Found in message store and sync issues folder==
	0x0102	PidTagNonIpmSubtreeEntryId (PR_NON_IPM_SUBTREE_ENTRYID)	Non-IPM subtree entry identifier Binary data Shows the entry identifier of the NON_IPM_SUBTREE folder in an Exchange Public Folder store. See section: 6.4 The entry identifier structure (ENTRYID)
	0x1102	PidTagContactAddressBookFolderEntryIds (PR_CONTAB_FOLDER_ENTRYIDS)	Contact address book entry identifiers Array of Binary data values Contains identifiers for the Contacts folders in the message stores where mail users are kept.
0x6621	0x0102	PR_EFORMS_REGISTRY_ENTRYID	==Unknown== Binary data See section: 6.4 The entry identifier structure (ENTRYID)
	0x1103	PidTagContactAddressBookStoreSupportMasks (PR_CONTAB_STOR	Contact address book store support flags Array of Integer 32-bit signed values Contains flags indicating the store's supported features.

Item type	Value type	Identifier	Description
		E_SUPPORT_MASKS)	See section: 4.14 Message store characteristics mask definitions
0x6622	0x0040		Unknown Filetime
	0x0102	PR_SPLUS_FREE_BU SY_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6623	0x0003	PR_ROH_FLAGS	RPC over HTTP flags Integer 32-bit signed Contains the settings in a profile used by Microsoft Office Outlook to connect to Microsoft Exchange Server by using a remote procedure call (RPC) over Hypertext Transfer Protocol (HTTP). Se section: 4.28 RPC over HTTP flag definitions
	0x001e 0x001f	PR_HIERARCHY_SE RVER	Unknown ASCII or Unicode string
	0x0102	PR_OFFLINE_ADDR BOOK_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6624	0x0102	PR_EFORMS_FOR_L OCALE_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6625	0x0102	PR_FREE_BUSY_FO R_LOCAL_SITE_ENT RYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6626	0x0102	PR_ADDRBOOK_FO R_LOCAL_SITE_ENT RYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6627	0x0003	PR_ROH_PROXY_A UTH_SCHEME	RPC over HTTP proxy authentication scheme Integer 32-bit signed Represents the authentication protocol to be used for this profile. See section: 4.29 RPC over HTTP authentication scheme definitions
	0x0102	PR_OFFLINE_MESSA GE_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)

Item type	Value type	Identifier	Description
0x6628	0x0014		Unknown Integer 64-bit signed
	0x0102	PR_GW_MTSIN_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6629	0x0102	PR_GW_MTSOUT_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x662a	0x000b	PR_TRANSFER_ENABLED	Unknown Boolean
0x662b	0x0102	PR_TEST_LINE_SPEED	Unknown Binary data
0x662c	0x000d	PR_HIERARCHY_SYNCHRONIZER	Unknown Embedded object
0x662d	0x000d	PR_CONTENTS_SYNCHRONIZER	Unknown Embedded object Reference to the IExchangeExportChanges object
0x662e	0x000d	PR_COLLECTOR	Unknown Embedded object
0x662f	0x000d	PR_FAST_TRANSFER	Unknown Embedded object
0x6630	0x0102	PR_IPM_FAVORITES_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6631	0x0102	PR_IPM_PUBLIC_FOLDERS_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6632	0x0003		Unknown Integer 32-bit signed
	0x000b	PR_STORE_OFFLINE	Unknown Boolean
0x6633	0x000b	PidTagPstLrnorestrictions	Unknown Boolean
0x6634	0x000d	PR_CHANGE_ADVISOR	Unknown Embedded object
	0x0014		Unknown Integer 64-bit signed
0x6635	0x0003	PidTagPstHiddenCount	Number of hidden items

Item type	Value type	Identifier	Description
			Integer 32-bit signed
	0x001e 0x001f	PR_FAVORITES_DEFAULT_NAME	<mark>Unknown</mark> ASCII or Unicode string
0x6636	0x0003	PidTagPstHiddenUnread	Number of unread hidden items Integer 32-bit signed
	0x0102	PR_SYS_CONFIG_FOLDER_ENTRYID	<mark>Unknown</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6637	0x0048	PR_CHANGE_NOTIFICATION_GUID	<mark>Unknown</mark> GUID
0x6638	0x0003	PR_FOLDER_CHILD_COUNT	Number of sub folders Integer 32-bit signed <mark>Unknown</mark>
0x6639	0x0003	PR_RIGHTS	<mark>Unknown</mark> Integer 32-bit signed
0x663a	0x000b	PidTagHasRules (PR_HAS_RULES)	Has email rules Boolean
0x663b	0x0102	PidTagAddressBookEntryId (PR_ADDRESS_BOOK_ENTRYID)	Address book entry identifier Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x663c	0x0102	PR_PUBLIC_FOLDER_ENTRYID	<mark>Unknown</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x663d	0x0003	PR_OFFLINE_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x663e	0x0003	PidTagHierarchyChangeNumber (PR_HIERARCHY_CHANGE_NUM)	Hierarchy change number Integer 32-bit signed Contains a number that increases every time a sub folder is added to or deleted from the folder.
0x663f	0x0003		<mark>Unknown (Found in Exchange)</mark> Integer 32-bit signed
	0x000b	PR_HAS_MODERATOR_RULES	<mark>Unknown</mark> Boolean
0x6640	0x0003	PR_DELETED_MSG_COUNT	<mark>Unknown</mark> Integer 32-bit signed
0x6641	0x0003	PR_DELETED_FOLDER_COUNT	<mark>Unknown</mark> Integer 32-bit signed
0x6642	0x0040	PR_OLDEST_DELETED_ON	<mark>Unknown</mark> Filetime

Item type	Value type	Identifier	Description
0x6643	0x0003	PR_DELETED_ASSOC_MSG_COUNT	Unknown Integer 32-bit signed
0x6644	0x001e 0x001f	PR_REPLICA_SERVER	Unknown ASCII or Unicode string
0x6645	0x0102	PR_CLIENT_ACTIONS	Unknown Binary data
0x6646	0x0102	PR_DAM_ORIGINAL_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6647	0x000b	PR_DAM_BACK_PATCHED	Unknown Boolean
0x6648	0x0003	PR_RULE_ERROR	Unknown Integer 32-bit signed
0x6649	0x0003	PR_RULE_ACTION_TYPE	Unknown Integer 32-bit signed
0x664a	0x000b	PR_HAS_NAMED_PROPERTIES	Unknown Boolean
0x664b	0x0014	PR_REPLICA_VERSION	Unknown Integer 64-bit signed
0x6650	0x0003	PR_RULE_ACTION_NUMBER	Unknown Integer 32-bit signed
0x6651	0x0102	PR_RULE_FOLDER_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6652	0x0102	PR_ACTIVE_USER_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6653	0x0003	PR_0X400_ENVELOPE_TYPE	Unknown Integer 32-bit signed
0x6654	0x0040	PR_MSG_FOLD_TIME	Unknown Filetime
0x6655	0x0102	PR_ICS_CHANGE_KEY	Unknown Binary data
0x6656	0x0102		Unknown (found in exchange) Binary data
0x6658	0x0003	PR_GW_ADMIN_OPERATIONS	Unknown Integer 32-bit signed

Item type	Value type	Identifier	Description
0x6659	0x0102	PR_INTERNET_CON TENT	Unknown Binary data
0x665a	0x000b	PR_HAS_ATTACH_F ROM_IMAIL	Unknown Boolean
0x665b	0x001e 0x001f	PR_ORIGINATOR_N AME	Unknown ASCII or Unicode string
0x665c	0x001e 0x001f	PR_ORIGINATOR_A DDR	Unknown ASCII or Unicode string
0x665d	0x001e 0x001f	PR_ORIGINATOR_A DDRTYPE	Unknown ASCII or Unicode string
0x665e	0x0102	PR_ORIGINATOR_E NTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x665f	0x0040	PR_ARRIVAL_TIME	Unknown Filetime
0x6660	0x0102	PR_TRACE_INFO	Unknown Binary data
0x6661	0x0102	PR_SUBJECT_TRAC E_INFO	Unknown Binary data
0x6662	0x0003	PR_RECIPIENT_NUM BER	Unknown Integer 32-bit signed
0x6663	0x0102	PR_MTS_SUBJECT_I D	Unknown Binary data
0x6664	0x001e 0x001f	PR_REPORT_DESTIN ATION_NAME	Unknown ASCII or Unicode string
0x6665	0x0102	PR_REPORT_DESTIN ATION_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x6666	0x0102	PR_CONTENT_SEAR CH_KEY	Unknown Binary data
0x6667	0x0102	PR_FOREIGN_ID	Unknown Binary data
0x6668	0x0102	PR_FOREIGN_REPO RT_ID	Unknown Binary data
0x6669	0x0102	PR_FOREIGN_SUBJE CT_ID	Unknown Binary data
0x666a	0x0102	PR_INTERNAL_TRA CE_INFO	Unknown Binary data
0x666c	0x000b	PR_IN_CONFLICT	Unknown

Item type	Value type	Identifier	Description
			Boolean
0x666d	0x0003		<mark>Unknown</mark> Integer 32-bit signed
0x6670	0x0102	PR_LONGTERM_ENT RYID_FROM_TABLE	<mark>Unknown</mark> Binary data
0x6671	0x0014	PR_MEMBER_ID	<mark>Unknown</mark> Integer 64-bit signed
0x6672	0x001e 0x001f	PR_MEMBER_NAME	<mark>Unknown</mark> ASCII or Unicode string
0x6673	0x0003	PR_MEMBER_RIGHT S	<mark>Unknown</mark> Integer 32-bit signed
0x6674	0x0014	PR_RULE_ID	<mark>Unknown</mark> Integer 64-bit signed
0x6675	0x0102	PR_RULE_IDS	<mark>Unknown</mark> Binary data
0x6676	0x0003	PR_RULE_SEQUENC E	<mark>Unknown</mark> Integer 32-bit signed
0x6677	0x0003	PR_RULE_STATE	<mark>Unknown</mark> Integer 32-bit signed
0x6678	0x0003	PR_RULE_USER_FL AGS	<mark>Unknown</mark> Integer 32-bit signed
0x6679	0x000d	PR_RULE_CONDITIO N	<mark>Unknown</mark> Embedded object
0x667b	0x001e 0x001f	PR_PROFILE_MOAB	<mark>Unknown</mark> ASCII or Unicode string
0x667c	0x001e 0x001f	PR_PROFILE_MOAB _GUID	<mark>Unknown</mark> ASCII or Unicode string
0x667d	0x0003	PR_PROFILE_MOAB _SEQ	<mark>Unknown</mark> Integer 32-bit signed
0x667f	0x1102	PR_IMPLIED_RESTR ICTIONS	<mark>Unknown</mark> Array of Binary data values
0x6680	0x001e 0x001f	PR_RULE_ACTIONS	<mark>Unknown</mark> ASCII or Unicode string
0x6681	0x001e 0x001f	PR_RULE_PROVIDE R	<mark>Unknown</mark> ASCII or Unicode string
0x6682	0x001e 0x001f	PR_RULE_NAME	<mark>Unknown</mark> ASCII or Unicode string
0x6683	0x0003	PR_RULE_LEVEL	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
			Integer 32-bit signed
0x6684	0x0102	PR_RULE_PROVIDER_DATA	Unknown Binary data
0x6685	0x0040	PR_LAST_FULL_BACKUP	Last full backup time Filetime
0x6687	0x0102	PR_PROFILE_ADDR_INFO	Unknown Binary data
0x6689	0x0102	PR_PROFILE_OPTIONS_DATA	Unknown Binary data
0x668a	0x0102	PR_EVENTS_ROOT_FOLDER_ENTRYID	Unknown Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0x668d	0x001e 0x001f	PR_INBOUND_NEWSFEED_DN	Unknown ASCII or Unicode string
0x668e	0x001e 0x001f	PR_OUTBOUND_NEWSFEED_DN	Unknown ASCII or Unicode string
0x668f	0x0040	PidTagDeletedOn (PR_DELETED_ON)	Soft-deletion time Filetime Specifies the date and time when the item was soft deleted.
0x6690	0x0003	PR_REPLICATION_STYLE	Unknown Integer 32-bit signed
0x6691	0x0102	PR_REPLICATION_SCHEDULE	Unknown Binary data
0x6692	0x0003	PR_REPLICATION_MESSAGE_PRIORITY	Unknown Integer 32-bit signed
0x6693	0x0003	PR_OVERALL_MSG_AGE_LIMIT	Unknown Integer 32-bit signed
0x6694	0x0003	PR_REPLICATION_ALWAYS_INTERVAL	Unknown Integer 32-bit signed
0x6695	0x0003	PR_REPLICATION_MSG_SIZE	Unknown Integer 32-bit signed
0x6696	0x000b	PR_IS_NEWSGROUP_ANCHOR	Unknown Boolean
0x6697	0x000b	PR_IS_NEWSGROUP	Unknown Boolean
0x6698	0x0102	PR_REPLICA_LIST	Unknown

Item type	Value type	Identifier	Description
			Binary data
0x6699	0x0003	PR_OVERALL_AGE_LIMIT	Unknown Integer 32-bit signed
0x669a	0x001e 0x001f	PR_INTERNET_CHARSET	Unknown ASCII or Unicode string
0x669b	0x0014	PR_DELETED_MESSAGE_SIZE_EXTENDED	Unknown Integer 64-bit signed
0x669c	0x0014	PR_DELETED_NORMAL_MESSAGE_SIZE_EXTENDED	Unknown Integer 64-bit signed
0x669d	0x0014	PR_DELETED_ASSOC_MESSAGE_SIZE_EXTENDED	Unknown Integer 64-bit signed
0x669e	0x000b	PR_SECURE_IN_SITE	Unknown Boolean
0x66a0	0x001e 0x001f	PR_NT_USER_NAME	Unknown ASCII or Unicode string
	0x0102		Unknown (Found in Exchange) Binary data Contains an NT security identifier Mailbox user's SID?
0x66a1	0x0003	PR_LOCALE_ID	Unknown Integer 32-bit signed
0x66a2	0x0040	PR_LAST_LOGON_TIME	Unknown Filetime
0x66a3	0x0040	PR_LAST_LOGOFF_TIME	Unknown Filetime
0x66a4	0x0003	PR_STORAGE_LIMIT_INFORMATION	Unknown Integer 32-bit signed
0x66a5	0x001e 0x001f	PR_NEWSGROUP_COMPONENT	Unknown ASCII or Unicode string
0x66a6	0x0102	PR_NEWSFEED_INFO	Unknown Binary data
0x66a7	0x001e 0x001f	PR_INTERNET_NEWSGROUP_NAME	Unknown ASCII or Unicode string
0x66a8	0x0003	PR_FOLDER_FLAGS	Unknown Integer 32-bit signed
0x66a9	0x0040	PR_LAST_ACCESS_TIME	Last access time Filetime
0x66aa	0x0003	PR_RESTRICTION_C	Unknown

Item type	Value type	Identifier	Description
		OUNT	Integer 32-bit signed
0x66ab	0x0003	PR_CATEG_COUNT	Unknown Integer 32-bit signed
0x66ac	0x0003	PR_CACHED_COLU MN_COUNT	Unknown Integer 32-bit signed
0x66ad	0x0003	PR_NORMAL_MSG_ W_ATTACH_COUNT	Unknown (Number of messages with attachments in folder?) Integer 32-bit signed
0x66ae	0x0003	PR_ASSOC_MSG_W_ ATTACH_COUNT	Unknown (Number of associated messages with attachments in folder?) Integer 32-bit signed
0x66af	0x0003	PR_RECIPIENT_ON_ NORMAL_MSG_COU NT	Unknown Integer 32-bit signed
0x66b0	0x0003	PR_RECIPIENT_ON_ ASSOC_MSG_COUN T	Unknown Integer 32-bit signed
0x66b1	0x0003	PR_ATTACH_ON_NO RMAL_MSG_COUNT	Unknown Integer 32-bit signed
0x66b2	0x0003	PR_ATTACH_ON_AS SOC_MSG_COUNT	Unknown Integer 32-bit signed
0x66b3	0x0003	PR_NORMAL_MESS AGE_SIZE	Unknown Integer 32-bit signed
	0x0014	PR_NORMAL_MESS AGE_SIZE_EXTENDE D	Unknown Integer 64-bit signed
0x66b4	0x0003	PR_ASSOC_MESSAG E_SIZE	Unknown Integer 32-bit signed
	0x0014	PR_ASSOC_MESSAG E_SIZE_EXTENDED	Unknown Integer 64-bit signed
0x66b5	0x001e 0x001f	PR_FOLDER_PATHN AME	Unknown ASCII or Unicode string
0x66b6	0x0003	PR_OWNER_COUNT	Unknown Integer 32-bit signed
0x66b7	0x0003	PR_CONTACT_COU NT	Unknown Integer 32-bit signed
0x66c3	0x0003	PR_CODE_PAGE_ID	Unknown Integer 32-bit signed
0x66c4	0x0003	PR_RETENTION_AG E_LIMIT	Unknown Integer 32-bit signed
0x66c5	0x000b	PR_DISABLE_PERUS	Disable per-user read/unread processing

Item type	Value type	Identifier	Description
		ER_READ	Boolean Disable per-user read/unread processing for a public folder.
0x66c6	0x0102	PR_INTERNET_PARSE_STATE	Unknown Binary data
0x66c7	0x0102	PR_INTERNET_MESSAGE_INFO	Unknown Binary data
0x66fa	0x0003	PidTagLatestPstEnsure	Unknown Integer 32-bit signed
0x6700	0x001e 0x001f	PR_PST_PATH	Unknown ASCII or Unicode string
0x6701	0x000b	PR_PST_REMEMBER_PW	Unknown Boolean
0x6702	0x0003	PR_OST_ENCRYPTION	Unknown Integer 32-bit signed
0x6703	0x001e 0x001f	PR_PST_PW_SZ_OLD	Unknown ASCII or Unicode string
0x6704	0x001e 0x001f	PR_PST_PW_SZ_NEW	Unknown ASCII or Unicode string
0x6705	0x0003	PR_SORT_LOCALE_ID	Unknown Integer 32-bit signed
0x6705	0x000b	PidTagPstImpsubtreeDescendant	Unknown Boolean
0x6707	0x001e 0x001f	PidTagUrlName (PR_URL_NAME)	Object URL ASCII or Unicode string
0x6709	0x0040	PidTagLocalCommitTime (PR_LOCAL_COMMIT_TIME)	Local commit time Filetime Contains the date and time when the folder was committed to the database. Or the date and time the remote operation create message function (RopCreateMessage) was processed.
0x670a	0x0040	PR_LOCAL_COMMIT_TIME_MAX	Unknown Filetime Contains the date and time when any items in the folder were last changed
0x670b	0x0003	PR_DELETED_COUNT_TOTAL	Total deleted item count Integer 32-bit signed

Item type	Value type	Identifier	Description
			The number of items that have been deleted from the folder since the folder was created.
0x670c	0x0048	PR_AUTO_RESET	Unknown GUID
0x6710	0x0003	PR_URL_COMP_NA ME_HASH	Unknown Integer 32-bit signed
0x6711	0x0003	PR_MSG_FOLDER_T EMPLATE_RES_2	Unknown Integer 32-bit signed
0x6712	0x0003	PR_RANK	Unknown Integer 32-bit signed
	0x0102		Unknown (Found in Exchange) Binary data
0x6713	0x000b	PR_MSG_FOLDER_T EMPLATE_RES_4	Unknown Boolean
0x6714	0x000b	PR_MSG_FOLDER_T EMPLATE_RES_5	Unknown Boolean
0x6715	0x000b	PR_MSG_FOLDER_T EMPLATE_RES_6	Unknown Boolean
0x6716	0x0102	PR_MSG_FOLDER_T EMPLATE_RES_7	Unknown Binary data
0x6717	0x0102	PR_MSG_FOLDER_T EMPLATE_RES_8	Unknown Binary data
0x6718	0x0102	PR_MSG_FOLDER_T EMPLATE_RES_9	Unknown Binary data
0x6719	0x001e 0x001f	PR_MSG_FOLDER_T EMPLATE_RES_10	Unknown ASCII or Unicode string
0x671a	0x001e 0x001f	PR_MSG_FOLDER_T EMPLATE_RES_11	Unknown ASCII or Unicode string
0x671b	0x001e 0x001f	PR_MSG_FOLDER_T EMPLATE_RES_12	Unknown ASCII or Unicode string
0x671c	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string
0x671d	0x0102		Unknown (Found in Exchange) Binary data
0x671e	0x000b	PR_PF_PLATINUM_ HOME_MDB	Unknown Boolean
0x671f	0x000b	PR_PF_PROXY_REQ UIRED	Unknown Boolean
0x6720	0x0102	PR_INTERNET_FREE	Unknown

Item type	Value type	Identifier	Description
		_DOC_INFO	Binary data Contains textual data about MIME type
0x6721	0x0003	PR_PF_OVER_HARD_QUOTA_LIMIT	Unknown Integer 32-bit signed
0x6722	0x0003	PR_PF_MSG_SIZE_LIMIT	Unknown Integer 32-bit signed
0x6723	0x000b		Unknown (Found in Exchange) Boolean
0x672d	0x0003		Unknown Integer 32-bit signed
0x6730	0x0014		Unknown Integer 64-bit signed
0x6731	0x0003		Unknown Integer 32-bit signed
0x6732	0x001e 0x001f		Unknown ASCII or Unicode string
0x6733	0x001e 0x001f		Unknown ASCII or Unicode string
0x6740			Unknown (Found in Exchange) Has unknown MAPIDB value type 'V'
0x6741	0x0003		Unknown Integer 32-bit signed
0x6743	0x0003	PR_CONNECTION_MODULUS	Unknown Integer 32-bit signed
	0x0014	PR_CONNECTION_MODULUS_EXTENDED	Unknown Integer 64-bit signed
0x6744	0x001e 0x001f	PR_DELIVER_TO_DN	Unknown ASCII or Unicode string
0x6745	0x0102		Unknown Binary data
0x6746	0x0003	PR_MIME_SIZE	Unknown Integer 32-bit signed
0x6747	0x0014	PR_FILE_SIZE_EXTENDED	Unknown Integer 64-bit signed
0x6748	0x0014	PidTagFolderId (PR_FID, ptagFID)	Folder identifier Integer 64-bit signed

Item type	Value type	Identifier	Description
			See section: 6.19 The folder identifier structure
0x6749	0x0014	PidTagParentFolderId (PR_PARENT_FID, ptagParentFID)	Parent folder identifier Integer 64-bit signed See section: 6.19 The folder identifier structure
0x674a	0x0014	PidTagMid (PR_MID, ptagMID)	Message identifier Integer 64-bit signed See section: 6.18 The message identifier structure
0x674b	0x0014	PR_CATEG_ID	Exchange category identifier Integer 64-bit signed
0x674c	0x0014	PR_PARENT_CATEG _ID	Exchange parent category identifier Integer 64-bit signed
0x674d	0x0014	PR_INST_ID	Unknown Integer 64-bit signed
0x674e	0x0003	PR_INSTANCE_NUM	Unknown Integer 32-bit signed
0x674f	0x0014	PR_ADDRBOOK_MI D	Unknown Integer 64-bit signed
0x6750	0x0003	PR_ICS_NOTIF	Unknown Integer 32-bit signed
0x6751	0x0003	PR_ARTICLE_NUM_ NEXT	Unknown Integer 32-bit signed
0x6752	0x0003	PR_IMAP_LAST_AR TICLE_ID	Unknown Integer 32-bit signed
0x6753	0x000b	PR_NOT_822_RENDE RABLE	Unknown Boolean
0x6758	0x0102	PR_LTID	Unknown Binary data
0x6759	0x0102	PR_CN_EXPORT	Unknown Binary data
0x675a	0x0102	PR_PCL_EXPORT	Unknown Binary data
0x675b	0x1102	PR_CN_MV_EXPORT	Unknown Array of Binary data values
0x675d	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x675e	0x0003		Unknown (Found in Exchange) Integer 32-bit signed

Item type	Value type	Identifier	Description
0x6760	0x0003		Integer 32-bit signed
0x6761	0x0102		Binary data
0x6762	0x0102		Binary data
0x6763	0x0102		Binary data
0x6764	0x0014		Integer 64-bit signed
0x6765	0x0014		Integer 64-bit signed
0x6766	0x0102		Binary data
0x6767	0x0003		Integer 32-bit signed
0x6768	0x0102		Binary data
0x6769	0x0002		Integer 16-bit signed
0x676a	0x0102		Binary data
0x676b	0x0003		Integer 32-bit signed
			ASCII or Unicode string
0x676c	0x0102		Binary data
0x676d	0x000b		Boolean
0x676e	0x0003		Integer 32-bit signed
0x676f			ASCII or Unicode string
0x6770	0x0003	PidTagPstConfiguratio	Personal storage table configuration flags

Item type	Value type	Identifier	Description
		nFlags (PR_PST_CONFIG_FLAGS)	Integer 32-bit signed See section: 4.30 Personal storage table configuration flags definitions
	0x000b		Unknown (Found in Exchange) Boolean
0x6771	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x6772	0x0003	PidTagPstSubtreeContainer	Unknown Integer 32-bit signed
	0x000b		Unknown (Found in Exchange) Boolean
0x6773	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string Mailbox user's fullname?
0x6774	0x0014		Unknown (Found in Exchange) Integer 64-bit signed
0x6775	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string Contains mailbox user's lastname
	0x0102		Unknown (Found in Exchange) Binary data
0x6776	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string Contains mailbox user's firstname
	0x0102		Unknown (Found in Exchange) Binary data
0x6777	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x6778	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string Contains mailbox user's fullname
0x6779	0x0003	PR_PF_QUOTA_STYLE	Unknown (Found in Exchange) Integer 32-bit signed
0x677a	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x677b	0x0003	PR_PF_STORAGE_QUOTA	Unknown Integer 32-bit signed
0x677c	0x0003		Unknown (Found in Exchange)

Item type	Value type	Identifier	Description
			Integer 32-bit signed
0x677e	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x677f	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x6780	0x0003		<mark>Unknown (Found in Exchange)</mark> Integer 32-bit signed
0x6781	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x6782	0x0003		<mark>Unknown (Found in Exchange)</mark> Integer 32-bit signed
0x6783	0x0003	PR_SEARCH_FLAGS	<mark>Unknown (Found in Exchange)</mark> Integer 32-bit signed
	0x0102	PR_USER_SID	<mark>Unknown</mark> Binary data
0x6784	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x6785	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x6786	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x6787	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x6788	0x0003		<mark>Unknown (Found in Exchange)</mark> Integer 32-bit signed
0x678a	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x678b	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x678c	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x678d	<mark>0x001e</mark> <mark>0x001f</mark>		<mark>Unknown (Found in Exchange)</mark> ASCII or Unicode string
	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x678f	0x0102		<mark>Unknown (Found in Exchange)</mark> Binary data
0x6790	0x0102		<mark>Unknown (Found in Exchange)</mark>

Item type	Value type	Identifier	Description
			Binary data
0x6791	0x0014		Unknown (Found in Exchange) Integer 64-bit signed Some kind of identifier
0x6792	0x0102		Unknown (Found in Exchange) Binary data
0x6793	0x0102		Unknown (Found in Exchange) Binary data
0x6794	0x0102		Unknown (Found in Exchange) Binary data
0x6795	0x0102		Unknown (Found in Exchange) Binary data
0x6796	0x0102	PidTagCnsetSeen (ptagCnsetSeen)	Seen synchronization change number set Binary data Contains a set of synchronization item change numbers that previously have been communicated to a client and are now reflected in the clients local replica.
0x6797	0x0102		Unknown (Found in Exchange) Binary data
0x6798	0x0102		Unknown (Found in Exchange) Binary data
0x6799	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x679b	0x000b		Unknown (Found in Exchange) Boolean
0x679c	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string
0x679d	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x679e	0x0040		Unknown (Found in Exchange) Filetime
0x679f	0x0002		Unknown (Found in Exchange) Integer 16-bit signed
0x67a0	0x0002		Unknown (Found in Exchange) Integer 16-bit signed
0x67a1	0x0014		Unknown (Found in Exchange) Integer 64-bit signed
0x67a2	0x0002		Unknown (Found in Exchange) Integer 16-bit signed
0x67a3	0x0002		Unknown (Found in Exchange)

Item type	Value type	Identifier	Description
			Integer 16-bit signed
0x67a4	0x0014	PidTagChangeNumber (ptagCn)	Synchronization change number Integer 64-bit signed Contains the identifier of the last change to the message or folder that is being synchronized.
0x67a5	0x0102		Unknown (Found in Exchange) Binary data
0x67a6	0x1014		Unknown (Found in Exchange) Array of integer 64-bit signed values
0x67a7	0x0014		Unknown (Found in Exchange) Integer 64-bit signed
0x67aa	0x000b	PR_ASSOCIATED	Unknown (Is associated?) Boolean
0x67b0	0x0102		Unknown (Found in Exchange) Binary data
0x67b1	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x67b2	0x0102		Unknown (Found in Exchange) Binary data
0x67b3	0x0102		Unknown (Found in Exchange) Binary data
0x67b5	0x0102		Unknown (Found in Exchange) Binary data
0x67b6	0x0102		Unknown (Found in Exchange) Binary data
0x67e2	0x0003		Unknown Integer 32-bit signed
0x67c4	0x0002		Unknown (Found in Exchange) Integer 16-bit signed
0x67c7	0x101e 0x101f		Unknown (found in Exchange) Array of ASCII or Unicode string values
0x67c8	0x0003		Unknown (Found in Exchange) Integer 32-bit signed

Item type	Value type	Identifier	Description
0x67ce	0x0102		Unknown (Found in Exchange) Binary data
0x67d1	0x0040		Unknown (Found in Exchange) Filetime
0x67d3	0x0102		Unknown (Found in Exchange) Binary data
0x67d9	0x0102		Unknown (Found in Exchange) Binary data
0x67da	0x0102	PidTagCnsetSeenFAI (ptagCnsetSeenFAI)	Seen folder associated information synchronization change number set Binary data Contains a set of folder associated information (FAI) messages synchronization change numbers.
0x67db	0x0102		Unknown (Found in Exchange) Binary data
0x67dc	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x67dd	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x67e1	0x0040		Unknown (Found in Exchange) Filetime
0x67ec	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string
	0x0102		Unknown (Found in Exchange) Binary data
0x67ed	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x67ee	0x0102		Unknown (Found in Exchange) Binary data
0x67ef	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x67f0	0x0102	PR_PROFILE_SECURE_MAILBOX	Unknown Binary data
0x67f1	0x0002		Unknown (Found in Exchange) Integer 16-bit signed

Item type	Value type	Identifier	Description
	0x0003	PidTagLtpParentNid	Parent node identifier Integer 32-bit signed
0x67f2	0x0003	PidTagLtpRowId	Row identifier Integer 32-bit signed
	0x0102		Unknown (Found in Exchange) Binary data
0x67f3	0x0003	PidTagLtpRowVer	Row version Integer 32-bit signed
0x67f4	0x000b		Unknown (Found in Exchange) Boolean
	0x0014	PRQ_ID_SECURE4	Unknown Integer 64-bit signed Some kind of identifier related to 8c table in PFF format
0x67f5	0x000b		Unknown Boolean
0x67fb	0x0003		Unknown (Found in Exchange) Although value indicated as Integer 32-bit signed data is larger than 4 bytes
0x67fc	0x0102		Unknown (Found in Exchange) Binary data
0x67ff	0x0003	PidTagPstPassword (PR_PST_PASSWORD)	Password checksum Integer 32-bit signed Contains a weak CRC of the password or zero if no password is set
	0x0102		Unknown (Found in Exchange) Binary data

3.19. Message content properties for custom message classes (0x6800 – 0x7bff)

Item type	Value type	Identifier	Description
0x6800	0x001e 0x001f	PidTagOfflineAddress BookName (PR_OAB_NAME)	Offline address book name ASCII or Unicode string Contains the display name of the address list.
	0x001e 0x001f	PR_MAILBEAT_BOU NCE_SERVER	Unknown ASCII or Unicode string
0x6801	0x0040	PR_MAILBEAT_REQ UEST_SENT	Unknown Filetime

Item type	Value type	Identifier	Description
0x6802	0x001e 0x001f	PR_USENET_SITE_N AME	Unknown ASCII or Unicode string
0x6803	0x000b	PidTagSendOutlookRe callReport	Send recall report Boolean What recall report?
	0x0040	PR_MAILBEAT_REQ UEST_RECEIVED	Unknown Filetime
0x6804	0x0040	PR_MAILBEAT_REQ UEST_PROCESSED	Unknown Filetime
	0x0102		Unknown (Found in Exchange) Binary data
0x6805	0x0003	PR_SHUTOFFQUOTA	Unknown Integer 32-bit signed
	0x1003	PidTagOfflineAddress BookTruncatedProperti es (PR_OAB_TRUNCAT ED_PROPS)	Offline address book truncated properties Array of integer 32-bit signed values Contains a list of the property tags that have been truncated or limited by the server.
0x6806	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
	0x0040	PR_MAILBEAT_REP LY_SENT	Unknown Filetime
0x6807	0x0040	PR_MAILBEAT_REP LY_SUBMIT	Unknown Filetime
0x6808	0x0003	PidTagOfflineAddress BookFileType (PR_OAB_FILETYPE)	Offline address book file type Integer 32-bit signed
	0x0040	PR_MAILBEAT_REP LY_RECEIVED	Unknown Filetime
0x6809	0x0040	PR_MAILBEAT_REP LY_PROCESSED	Unknown Filetime
0x680b	0x000b		Unknown (Found in Exchange) Boolean
0x680c	0x0040		Unknown (Found in Exchange) Filetime
0x680d	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x6810	0x0003		Unknown (Found in Exchange) Integer 32-bit signed

Item type	Value type	Identifier	Description
0x6813	0x0040		Unknown (Found in Exchange) Filetime
0x6816	0x0102		Unknown (Found in Exchange) Binary data
0x6817	0x0002		Unknown (Found in Exchange) Integer 16-bit signed
	0x0040		Unknown (Found in Exchange) Filetime
0x681c	0x0014		Unknown (Found in Exchange) Integer 64-bit signed
0x681d	0x0048		Unknown (Found in Exchange) GUID
0x682f	0x001e 0x001f	PidTagMapiFormComp oseCommand	Unknown (found in [MS-PST]) ASCII or Unicode string
0x6833	0x0048		View class GUID 00062000-0000-0000-c000-000000000046
0x6834	0x0003	PR_VIEW_STYLE	View style Integer 32-bit signed
0x6835	0x0102		Binary view data Binary data
0x683a	0x0003	PR_VIEW_MAJORVE RSION	View major version Integer 32-bit signed
0x683c	0x0102		XML view data Binary data
0x683d	0x0040		Unknown Filetime
0x683f	0x0102		Unknown Filetime Contains a GUID similar to value in 0x6833
0x6841	0x0003		Unknown

Item type	Value type	Identifier	Description
			Integer 32-bit signed
0x6842	0x0102	PidTagSearchFolderId (PR_WB_SF_ID)	Search folder identifier Binary data Contains a globally unique identifier (GUID) that identifies the search folder.
0x6844	0x101e 0x101f	PR_DELEGATES_DISPLAY_NAMES	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x6845	0x0102	PR_DELEGATES_ENTRYID	<mark>Unknown</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
	0x1102	PR_DELEGATES_ENTRYIDS	<mark>Unknown</mark> Array of Binary data values
0x6846	0x0003		<mark>Unknown</mark> Integer 32-bit signed
0x6847	0x0003	PR_FREEBUSY_START_RANGE	<mark>Unknown</mark> Integer 32-bit signed
0x6848	0x0003	PidTagSearchFolderEfpFlags (PR_WB_SF_EFP_FLAGS)	Extended search folder flags Integer 32-bit signed Contains extended folder flags that apply to the search folder container for the search folder. See section: 6.16 The extended folder flags structure
	0x0003	<mark>PR_FREEBUSY_END_RANGE</mark>	<mark>Unknown</mark> Integer 32-bit signed
0x6849	0x001e 0x001f	PR_FREEBUSY_EMAIL_ADDRESS	<mark>Unknown</mark> ASCII or Unicode string
0x684f	0x1003	PR_FREEBUSY_ALL_MONTHS	<mark>Unknown</mark> Array of Integer 32-bit signed values
0x6850	0x1102	PR_FREEBUSY_ALL_EVENTS	<mark>Unknown</mark> Array of Binary data values
0x6851	0x1003	PR_FREEBUSY_TENTATIVE_MONTHS	<mark>Unknown</mark> Array of Integer 32-bit signed values
0x6852	0x1102	PR_FREEBUSY_TENTATIVE_EVENTS	<mark>Unknown</mark> Array of Binary data values
0x6853	0x1003	PR_FREEBUSY_BUSY_MONTHS	<mark>Unknown</mark> Array of Integer 32-bit signed values
0x6854	0x1102	PR_FREEBUSY_BUSY_EVENTS	<mark>Unknown</mark> Array of Binary data values

Item type	Value type	Identifier	Description
0x6855	0x1003	PR_FREEBUSY_OOF_MONTHS	Unknown Array of Integer 32-bit signed values
0x6856	0x1102	PR_FREEBUSY_OOF_EVENTS	Unknown Array of Binary data values
0x6868	0x0040	PR_FREEBUSY_LAST_MODIFIED	Unknown Filetime
0x6869	0x0003	PR_FREEBUSY_NUM_MONTHS	Unknown Integer 32-bit signed
0x686b	0x1003	PR_DELEGATES_SEE_PRIVATE	Unknown Array of Integer 32-bit signed values
0x686c	0x0102	PR_PERSONAL_FREEBUSY	Unknown Binary data
0x686d	0x000b	PR_PROCESS_MEETING_REQUESTS	Unknown Boolean
0x686e	0x000b	PR_DECLINE_RECURRING_MEETING_REQUESTS	Unknown Boolean
0x686f	0x000b	PR_DECLINE_CONFLICTING_MEETING_REQUESTS	Unknown Boolean
0x6909	0x0003		Unknown Integer 32-bit signed
0x6f02			Secure HTML Body
0x6f04			Secure Text Body
0x7001	0x0102	PR_VD_BINARY	Unknown Binary data
0x7002	0x001e 0x001f	PR_VD_STRINGS	Unknown ASCII or Unicode string
0x7003	0x0003	PidTagViewDescriptorFlags (PR_VD_FLAGS)	View descriptor flags Integer 32-bit signed
0x7004	0x0102	PidTagViewDescriptorLinkTo (PR_VD_LINK_TO)	View descriptor link to Binary data
0x7005	0x0102	PidTagViewDescriptor	View descriptor folder

Item type	Value type	Identifier	Description
		ViewFolder (PR_VD_VIEW_FOL DER)	Binary data
0x7006	0x001e 0x001f	PidTagViewDescriptor Name (PR_VD_NAME)	View descriptor name ASCII or Unicode string
0x7007	0x0003	PidTagViewDescriptor Version PR_VD_VERSION	View descriptor version Integer 32-bit signed

3.19.1. IPM.Microsoft.WunderBar.Link

Item type	Value type	Identifier	Description
0x6847	0x0003		Unknown Integer 32-bit signed
0x6849	0x0003		Unknown Integer 32-bit signed
0x684a	0x0003		Unknown Integer 32-bit signed
0x684b	0x0102		Unknown Binary data Contains 1 byte
0x684c	0x0102		Unknown Binary data Contains ENTRYID
0x684d	0x0102		Unknown Binary data Contains ENTRYID or 4 bytes value 0x82 0x81 0x00 0x00
0x684e	0x0102		Unknown Binary data Contains ENTRYID
0x684f	0x0102		Unknown Binary data Contains GUID
0x6850	0x0102		Unknown Binary data Contains GUID
0x6851	0x001e 0x001f		Unknown ASCII or Unicode string
0x6852	0x0003		Unknown Integer 32-bit signed

Item type	Value type	Identifier	Description
0x6890	0x0102		<mark>Unknown</mark> Binary data <mark>Contains GUID</mark>

3.19.2. IPM.Microsoft.WunderBar.SFInfo

Item type	Value type	Identifier	Description
0x6834	0x0003		<mark>Unknown</mark> Integer 32-bit signed
0x683a	0x0003		<mark>Unknown</mark> Integer 32-bit signed
0x6841	0x0003		<mark>Unknown</mark> Integer 32-bit signed
0x6842	0x0102		<mark>Unknown</mark> Binary data
0x6845	0x0102		<mark>Unknown</mark> Binary data
0x6846	0x0003		<mark>Unknown</mark> Integer 32-bit signed
0x6847	0x0003		<mark>Unknown</mark> Integer 32-bit signed
0x6848	0x0003		<mark>Unknown</mark> Integer 32-bit signed

3.19.3. IPM.RuleOrganizer

Item type	Value type	Identifier	Description
0x6802	0x0102		<mark>Unknown</mark> Binary data <mark>Rule element?</mark>

3.20. Non-transmittable properties for custom message classes (0x7c00 – 0x7fff)

Item type	Value type	Identifier	Description
0x7c00	0x001e 0x001f	PR_FAV_DISPLAY_ NAME	<mark>Unknown</mark> ASCII or Unicode string

Item type	Value type	Identifier	Description
0x7c02	0x0102	PR_FAV_PUBLIC_SO URCE_KEY	Unknown Binary data
0x7c04	0x0102	PR_OST_OSTID	Offline storage table identifier Binary data Contains the GUID of the OST file corresponding to the Exchange server
0x7c06	0x101e 0x101f		Unknown Array of ASCII or Unicode string values
0x7c07	0x0102		Unknown (Top of folders RecID) Binary data Contains an ENTRYID
0x7c0a	0x000b	PR_STORE_SLOWLI NK	Unknown Boolean
0x7c0c	0x0003		Unknown Integer 32-bit signed
0x7c0d	0x0014		Unknown Integer 64-bit signed
0x7c0e	0x0003		Unknown Integer 32-bit signed
0x7c0f	0x0003		Unknown Integer 32-bit signed
0x7c11	0x000b		Unknown Boolean
0x7c13	0x0003		Unknown Integer 32-bit signed
0x7d01	0x0003	PR_FAV_AUTOSUBF OLDERS	Unknown Integer 32-bit signed
	0x000b	PR_PROCESSED	Unknown Boolean
0x7d02	0x0102	PR_FAV_PARENT_S OURCE_KEY	Unknown Binary data
0x7d03	0x0003	PR_FAV_LEVEL_MA SK	Unknown Integer 32-bit signed

Item type	Value type	Identifier	Description
0x7d07	0x0003	PR_FAV_INHERIT_AUTO	<mark>Unknown</mark> Integer 32-bit signed
0x7d08	0x0102	PR_FAV_DEL_SUBS	<mark>Unknown</mark> Binary data
0x7ff9	0x0040		<mark>Unknown</mark> Filetime
0x7ffa	0x0003	PR_ATTACHMENT_LINKID	<mark>Attachment link identifier</mark> Integer 32-bit signed
0x7ffb	0x0040	PR_EXCEPTION_STARTTIME	<mark>Exception start time</mark> Filetime
0x7ffc	0x0040	PR_EXCEPTION_ENDTIME	<mark>Exception end time</mark> Filetime
0x7ffd	0x0003	PR_ATTACHMENT_FLAGS	<mark>Attachment flags</mark> Integer 32-bit signed
0x7ffe	0x000b	PR_ATTACHMENT_HIDDEN	<mark>Hidden attachment</mark> Boolean
0x7fff	0x000b		<mark>Unknown</mark> Boolean

3.20.1. IPM.Configuration

Found in:

- IPM.Configuration.AvailabilityOptions
- IPM.Configuration.Calendar
- IPM.Configuration.CategoryList
- IPM.Configuration.RssRule
- IPM.Configuration.WorkHours

Item type	Value type	Identifier	Description
0x7c06	0x0003		<mark>Unknown</mark> Integer 32-bit signed <mark>2 => value 0x7c08 is set</mark> <mark>4 => value 0x7c07 is set</mark>
0x7c07	0x0102		<mark>Unknown</mark> Binary data <mark>contains XML data</mark>
0x7c08	0x0102		<mark>Unknown</mark> Binary data

Item type	Value type	Identifier	Description
			contains XML data

3.21. Named properties (0x8000 – 0xfffe)

Note that the actual meaning of these item types can be overwritten by the name-to-id map.

Item type	Value type	Identifier	Description
0x8001	0x000b	PR_EMS_AB_DISPLAY_NAME_OVERRIDE	Unknown Boolean
0x8003	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
	0x1102	PR_EMS_AB_CA_CERTIFICATE	Unknown Array of Binary data values
0x8004	0x001e 0x001f	PR_EMS_AB_FOLDER_PATHNAME	Unknown ASCII or Unicode string
0x8005	0x000d	PR_EMS_AB_MANAGER	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_MANAGER_T	Unknown ASCII or Unicode string
0x8006	0x000d	PR_EMS_AB_HOME_MDB_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_HOME_MDB	Unknown ASCII or Unicode string
0x8007	0x000d	PR_EMS_AB_HOME_MTA_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_HOME_MTA	Unknown ASCII or Unicode string
0x8008	0x000d	PR_EMS_AB_IS_MEMBER_OF_DL	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_IS_MEMBER_OF_DL_T	Unknown ASCII or Unicode string
0x8009	0x000d	PR_EMS_AB_MEMBER	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_MEMBER_T	Unknown ASCII or Unicode string
0x800a	0x001e 0x001f	PR_EMS_AB_AUTOREPLY_MESSAGE	Unknown ASCII or Unicode string
0x800b	0x000b	PR_EMS_AB_AUTOREPLY	Unknown Boolean
0x800c	0x000d	PR_EMS_AB_OWNER_O	Unknown Embedded object

Item type	Value type	Identifier	Description
	0x001e 0x001f	PR_EMS_AB_OWNE R	Unknown ASCII or Unicode string
0x800d	0x000d	PR_EMS_AB_KM_SE RVER_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_KM_SE RVER	Unknown ASCII or Unicode string
	0x101e 0x101f		Unknown (found in Exchange) Array of ASCII or Unicode string values
0x800e	0x000d	PidTagAddressBookRe ports (R_EMS_AB_REPOR TS)	Address book reports Embedded object Contains list (table) of mail user's report
	0x101e 0x101f		Unknown (found in Exchange) Array of ASCII or Unicode string values
0x800f	0x001e 0x001f		Unknown (found in Exchange) Array of ASCII or Unicode string values
	0x101e 0x101f	PidTagAddressBookPro xyAddresses (PR_EMS_AB_PROX Y_ADDRESSES)	Address book proxy addresses Array of ASCII or Unicode string values Contains alternate e-mail addresses for the Address Book object.
0x8010	0x0102	PR_EMS_AB_HELP_ DATA32	Unknown Binary data
0x8011	0x001e 0x001f	PR_EMS_AB_TARGE T_ADDRESS	Unknown ASCII or Unicode string
0x8012	0x101e 0x101f	PR_EMS_AB_TELEP HONE_NUMBER	Unknown Array of ASCII or Unicode string values
0x8013	0x0102	PR_EMS_AB_NT_SE CURITY_DESCRIPTO R	Unknown Binary data
0x8014	0x000d	PR_EMS_AB_HOME_ MDB_BL_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_HOME_ MDB_BL	Unknown Array of ASCII or Unicode string values
0x8015	0x000d	PR_EMS_AB_PUBLIC _DELEGATES	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_PUBLIC _DELEGATES_T	Unknown ASCII or Unicode string
0x8016	0x0102	PR_EMS_AB_CERTIF ICATE_REVOCATIO N_LIST	Unknown Binary data
0x8017	0x0102	PR_EMS_AB_ADDRE SS_ENTRY_DISPLAY _TABLE	Unknown Binary data

Item type	Value type	Identifier	Description
0x8018	0x0102	PR_EMS_AB_ADDRESS_SYNTAX	Unknown Binary data
0x8021	0x101e 0x101f		Unknown (Found in Exchange) Array of ASCII or Unicode string values
0x8022	0x101e 0x101f		Unknown (Found in Exchange) Array of ASCII or Unicode string values
0x8023	0x0102	PR_EMS_AB_BUSINESS_ROLES	Unknown Binary data
0x8024	0x000d	PR_EMS_AB_OWNER_BL_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_OWNER_BL	Unknown Array of ASCII or Unicode string values
0x8025	0x1102	PR_EMS_AB_CROSS_CERTIFICATE_PAIR	Unknown Array of Binary data values
0x8026	0x1102	PR_EMS_AB_AUTHORITY_REVOCATION_LIST	Unknown Array of Binary data values
0x8027	0x0102	PR_EMS_AB_ASSOC_NT_ACCOUNT	Unknown Binary data
0x8028	0x0040	PR_EMS_AB_EXPIRATION_TIME	Unknown Filetime
0x8029	0x0003	PR_EMS_AB_USN_CHANGED	Unknown Integer 32-bit signed
0x802d	0x001e 0x001f	PR_EMS_AB_EXTENSION_ATTRIBUTE_1	Unknown ASCII or Unicode string
0x802e	0x001e 0x001f	PR_EMS_AB_EXTENSION_ATTRIBUTE_2	Unknown ASCII or Unicode string
0x802f	0x001e 0x001f	PR_EMS_AB_EXTENSION_ATTRIBUTE_3	Unknown ASCII or Unicode string
0x8030	0x001e 0x001f	PR_EMS_AB_EXTENSION_ATTRIBUTE_4	Unknown ASCII or Unicode string
0x8031	0x001e 0x001f	PR_EMS_AB_EXTENSION_ATTRIBUTE_5	Unknown ASCII or Unicode string
0x8032	0x001e 0x001f	PR_EMS_AB_EXTENSION_ATTRIBUTE_6	Unknown ASCII or Unicode string
0x8033	0x001e 0x001f	PR_EMS_AB_EXTENSION_ATTRIBUTE_7	Unknown ASCII or Unicode string
0x8034	0x001e 0x001f	PR_EMS_AB_EXTENSION_ATTRIBUTE_8	Unknown ASCII or Unicode string

Item type	Value type	Identifier	Description
0x8035	0x001e 0x001f	PR_EMS_AB_EXTEN SION_ATTRIBUTE_9	Unknown ASCII or Unicode string
0x8036	0x001e 0x001f	PR_EMS_AB_EXTEN SION_ATTRIBUTE_1 0	Unknown ASCII or Unicode string
0x8037	0x1102	PR_EMS_AB_SECURI TY_PROTOCOL	Unknown Array of Binary data values
0x8038	0x000d	PR_EMS_AB_PF_CO NTACTS_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_PF_CO NTACTS	Unknown ASCII or Unicode string
0x803a	0x0102	PR_EMS_AB_HELP_ DATA16	Unknown Binary data
0x803b	0x001e 0x001f	PR_EMS_AB_HELP_F ILE_NAME	Unknown ASCII or Unicode string
0x803c	0x000d	PR_EMS_AB_OBJ_DI ST_NAME_O	Unknown Embedded object
	0x001e 0x001f	PidTagAddressBookOb jectDistinguishedName (PR_EMS_AB_OBJ_D IST_NAME)	Address book object distinguished name ASCII or Unicode string
0x803d	0x001e 0x001f	PR_EMS_AB_ENCRY PT_ALG_SELECTED_ OTHER	Unknown ASCII or Unicode string
0x803e	0x001e 0x001f	PR_EMS_AB_AUTOR EPLY_SUBJECT	Unknown ASCII or Unicode string
0x803f	0x000d	PR_EMS_AB_HOME_ PUBLIC_SERVER_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_HOME_ PUBLIC_SERVER	Unknown ASCII or Unicode string
0x8040	0x101e 0x101f	PR_EMS_AB_ENCRY PT_ALG_LIST_NA	Unknown ASCII or Unicode string
0x8041	0x101e 0x101f	PR_EMS_AB_ENCRY PT_ALG_LIST_OTHE R	Unknown ASCII or Unicode string
0x8042	0x001e 0x001f	PR_EMS_AB_IMPOR TED_FROM	Unknown ASCII or Unicode string
0x8043	0x001e 0x001f	PR_EMS_AB_ENCRY PT_ALG_SELECTED_ NA	Unknown ASCII or Unicode string
0x8044	0x0003	PR_EMS_AB_ACCES	Unknown

Item type	Value type	Identifier	Description
		S_CATEGORY	Integer 32-bit signed
0x8045	0x0102	PR_EMS_AB_ACTIV ATION_SCHEDULE	==Unknown== Binary data
0x8046	0x0003	PR_EMS_AB_ACTIV ATION_STYLE	==Unknown== Integer 32-bit signed
0x8047	0x0102	PR_EMS_AB_ADDRE SS_ENTRY_DISPLAY _TABLE_MSDOS	==Unknown== Binary data
0x8048	0x001e 0x001f	PR_EMS_AB_ADDRE SS_TYPE	==Unknown== ASCII or Unicode string
0x8049	0x001e 0x001f	PR_EMS_AB_ADMD	==Unknown== ASCII or Unicode string
0x804a	0x001e 0x001f	PR_EMS_AB_ADMIN _DESCRIPTION	==Unknown== ASCII or Unicode string
0x804b	0x001e 0x001f	PR_EMS_AB_ADMIN _DISPLAY_NAME	==Unknown== ASCII or Unicode string
0x804c	0x001e 0x001f	PR_EMS_AB_ADMIN _EXTENSION_DLL	==Unknown== ASCII or Unicode string
0x804d	0x000d	PR_EMS_AB_ALIASE D_OBJECT_NAME_O	==Unknown== Embedded object
	0x001e 0x001f	PR_EMS_AB_ALIASE D_OBJECT_NAME	==Unknown== ASCII or Unicode string
0x804e	0x000d	PR_EMS_AB_ALT_R ECIPIENT_O	==Unknown== Embedded object
	0x001e 0x001f	PR_EMS_AB_ALT_R ECIPIENT	==Unknown== ASCII or Unicode string
0x804f	0x000d	PR_EMS_AB_ALT_R ECIPIENT_BL_O	==Unknown== Embedded object
	0x101e 0x101f	PR_EMS_AB_ALT_R ECIPIENT_BL	==Unknown== Array of ASCII or Unicode string values
0x8050	0x0102	PR_EMS_AB_ANCES TOR_ID	==Unknown== Binary data
0x8051	0x000d	PR_EMS_AB_ASSOC _REMOTE_DXA_O	==Unknown== Embedded object
	0x101e 0x101f	PR_EMS_AB_ASSOC _REMOTE_DXA	==Unknown== Array of ASCII or Unicode string values
0x8052	0x0003	PR_EMS_AB_ASSOCI ATION_LIFETIME	==Unknown== Integer 32-bit signed
0x8053	0x000d	PR_EMS_AB_AUTH_ ORIG_BL_O	==Unknown== Embedded object
	0x101e	PR_EMS_AB_AUTH_	==Unknown==

Item type	Value type	Identifier	Description
	0x101f	ORIG_BL	Array of ASCII or Unicode string values
0x8054	0x001e 0x001f	PR_EMS_AB_AUTHO RIZED_DOMAIN	Unknown ASCII or Unicode string
0x8055	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string Contains "D", "u" or "h"
	0x0102	PR_EMS_AB_AUTHO RIZED_PASSWORD	Unknown Bianry data
0x8056	0x001e 0x001f	PR_EMS_AB_AUTHO RIZED_USER	Unknown ASCII or Unicode string
0x8057	0x101e 0x101f	PR_EMS_AB_BUSINE SS_CATEGORY	Unknown Array of ASCII or Unicode string values
0x8058	0x000d	PR_EMS_AB_CAN_C REATE_PF_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_CAN_C REATE_PF	Unknown Array of ASCII or Unicode string values
0x8059	0x000d	PR_EMS_AB_CAN_C REATE_PF_BL_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_CAN_C REATE_PF_BL	Unknown Array of ASCII or Unicode string values
0x805a	0x000d	PR_EMS_AB_CAN_C REATE_PF_DL_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_CAN_C REATE_PF_DL	Unknown Array of ASCII or Unicode string values
0x805b	0x000d	PR_EMS_AB_CAN_C REATE_PF_DL_BL_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_CAN_C REATE_PF_DL_BL	Unknown Array of ASCII or Unicode string values
0x805c	0x000d	PR_EMS_AB_CAN_N OT_CREATE_PF_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_CAN_N OT_CREATE_PF	Unknown Array of ASCII or Unicode string values
0x805d	0x000d	PR_EMS_AB_CAN_N OT_CREATE_PF_BL_ O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_CAN_N OT_CREATE_PF_BL	Unknown Array of ASCII or Unicode string values
0x805e	0x000d	PR_EMS_AB_CAN_N OT_CREATE_PF_DL_ O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_CAN_N OT_CREATE_PF_DL	Unknown Array of ASCII or Unicode string values

Item type	Value type	Identifier	Description
0x805f	0x000d	PR_EMS_AB_CAN_N OT_CREATE_PF_DL_ BL_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_CAN_N OT_CREATE_PF_DL_ BL	Unknown Array of ASCII or Unicode string values
0x8060	0x000b	PR_EMS_AB_CAN_P RESERVE_DNS	Unknown Boolean
0x8061	0x0003	PR_EMS_AB_CLOCK _ALERT_OFFSET	Unknown Integer 32-bit signed
0x8062	0x000b	PR_EMS_AB_CLOCK _ALERT_REPAIR	Unknown Boolean
0x8063	0x0003	PR_EMS_AB_CLOCK _WARNING_OFFSET	Unknown Integer 32-bit signed
0x8064	0x000b	PR_EMS_AB_CLOCK _WARNING_REPAIR	Unknown Boolean
0x8065	0x001e 0x001f	PR_EMS_AB_COMPU TER_NAME	Unknown ASCII or Unicode string
0x8066	0x101e 0x101f	PR_EMS_AB_CONNE CTED_DOMAINS	Unknown Array of ASCII or Unicode string values
0x8067	0x0003	PR_EMS_AB_CONTA INER_INFO	Unknown Integer 32-bit signed
0x8068	0x0003	PR_EMS_AB_COST	Unknown Integer 32-bit signed
0x8069	0x001e 0x001f	PR_EMS_AB_COUNT RY_NAME	Unknown ASCII or Unicode string
0x806a	0x0003	PR_EMS_AB_DELIV_ CONT_LENGTH	Unknown Integer 32-bit signed
0x806b	0x1102	PR_EMS_AB_DELIV_ EITS	Unknown Array of Binary data values
0x806c	0x1102	PR_EMS_AB_DELIV_ EXT_CONT_TYPES	Unknown Array of Binary data values
0x806d	0x000b	PR_EMS_AB_DELIVE R_AND_REDIRECT	Unknown Boolean
0x806e	0x0003	PR_EMS_AB_DELIVE RY_MECHANISM	Unknown Integer 32-bit signed
0x806f	0x101e 0x101f	PR_EMS_AB_DESCRI PTION	Unknown Array of ASCII or Unicode string values
0x8070	0x101e 0x101f	PR_EMS_AB_DESTIN ATION_INDICATOR	Unknown Array of ASCII or Unicode string values
0x8071	0x001e 0x001f	PR_EMS_AB_DIAGN OSTIC_REG_KEY	Unknown ASCII or Unicode string

Item type	Value type	Identifier	Description
0x8072	0x000d	PR_EMS_AB_DL_ME M_REJECT_PERMS_ BL_O	<mark>Unknown</mark> Embedded object
0x8072	0x101e 0x101f	PR_EMS_AB_DL_ME M_REJECT_PERMS_ BL	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8073	0x000d	PR_EMS_AB_DL_ME M_SUBMIT_PERMS_ BL_O	<mark>Unknown</mark> Embedded object
0x8073	0x101e 0x101f	PR_EMS_AB_DL_ME M_SUBMIT_PERMS_ BL	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8074	0x1102	PR_EMS_AB_DL_ME MBER_RULE	<mark>Unknown</mark> Array of Binary data values
0x8075	0x000d	PR_EMS_AB_DOMAI N_DEF_ALT_RECIP_ O	<mark>Unknown</mark> Embedded object
0x8075	0x001e 0x001f	PR_EMS_AB_DOMAI N_DEF_ALT_RECIP	<mark>Unknown</mark> ASCII or Unicode string
0x8076	0x001e 0x001f	PR_EMS_AB_DOMAI N_NAME	<mark>Unknown</mark> ASCII or Unicode string
0x8077	0x0102	PR_EMS_AB_DSA_SI GNATURE	<mark>Unknown</mark> Binary data
0x8078	0x000b	PR_EMS_AB_DXA_A DMIN_COPY	<mark>Unknown</mark> Boolean
0x8079	0x000b	PR_EMS_AB_DXA_A DMIN_FORWARD	<mark>Unknown</mark> Boolean
0x807a	0x0003	PR_EMS_AB_DXA_A DMIN_UPDATE	<mark>Unknown</mark> Integer 32-bit signed
0x807b	0x000b	PR_EMS_AB_DXA_A PPEND_REQCN	<mark>Unknown</mark> Boolean
0x807c	0x000d	PR_EMS_AB_DXA_C ONF_CONTAINER_LI ST_O	<mark>Unknown</mark> Embedded object
	0x101e 0x101f	PR_EMS_AB_DXA_C ONF_CONTAINER_LI ST	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x807d	0x0040	PR_EMS_AB_DXA_C ONF_REQ_TIME	<mark>Unknown</mark> Filetime
0x807e	0x001e 0x001f	PR_EMS_AB_DXA_C ONF_SEQ	<mark>Unknown</mark> ASCII or Unicode string
0x807f	0x0003	PR_EMS_AB_DXA_C ONF_SEQ_USN	<mark>Unknown</mark> Integer 32-bit signed

Item type	Value type	Identifier	Description
0x8080	0x0003	PR_EMS_AB_DXA_EXCHANGE_OPTIONS	<mark>Unknown</mark> Integer 32-bit signed
0x8081	0x000b	PR_EMS_AB_DXA_EXPORT_NOW	<mark>Unknown</mark> Boolean
0x8082	0x0003	PR_EMS_AB_DXA_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x8083	0x001e 0x001f	PR_EMS_AB_DXA_IMP_SEQ	<mark>Unknown</mark> ASCII or Unicode string
0x8084	0x0040	PR_EMS_AB_DXA_IMP_SEQ_TIME	<mark>Unknown</mark> Filetime
0x8085	0x0003	PR_EMS_AB_DXA_IMP_SEQ_USN	<mark>Unknown</mark> Integer 32-bit signed
0x8086	0x000b	PR_EMS_AB_DXA_IMPORT_NOW	<mark>Unknown</mark> Boolean
0x8087	0x101e 0x101f	PR_EMS_AB_DXA_IN_TEMPLATE_MAP	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8088	0x000d	PR_EMS_AB_DXA_LOCAL_ADMIN_O	<mark>Unknown</mark> Embedded object
	0x001e 0x001f	PR_EMS_AB_DXA_LOCAL_ADMIN	<mark>Unknown</mark> ASCII or Unicode string
0x8089	0x0003	PR_EMS_AB_DXA_LOGGING_LEVEL	<mark>Unknown</mark> Integer 32-bit signed
0x808a	0x001e 0x001f	PR_EMS_AB_DXA_NATIVE_ADDRESS_TYPE	<mark>Unknown</mark> ASCII or Unicode string
0x808b	0x101e 0x101f	PR_EMS_AB_DXA_OUT_TEMPLATE_MAP	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x808c	0x001e 0x001f	PR_EMS_AB_DXA_PASSWORD	<mark>Unknown</mark> ASCII or Unicode string
0x808d	0x0003	PR_EMS_AB_DXA_PREV_EXCHANGE_OPTIONS	<mark>Unknown</mark> Integer 32-bit signed
0x808e	0x000b	PR_EMS_AB_DXA_PREV_EXPORT_NATIVE_ONLY	<mark>Unknown</mark> Boolean
0x808f	0x0003	PR_EMS_AB_DXA_PREV_IN_EXCHANGE_SENSITIVITY	<mark>Unknown</mark> Integer 32-bit signed
0x8090	0x000d	PR_EMS_AB_DXA_PREV_REMOTE_ENTRIES_O	<mark>Unknown</mark> Embedded object
	0x001e	PR_EMS_AB_DXA_P	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
	0x001f	REV_REMOTE_ENTR IES	ASCII or Unicode string
0x8091	0x0003	PR_EMS_AB_DXA_P REV_REPLICATION_ SENSITIVITY	<mark>Unknown</mark> Integer 32-bit signed
0x8092	0x0003	PR_EMS_AB_DXA_P REV_TEMPLATE_OP TIONS	<mark>Unknown</mark> Integer 32-bit signed
0x8093	0x0003	PR_EMS_AB_DXA_P REV_TYPES	<mark>Unknown</mark> Integer 32-bit signed
0x8094	0x001e 0x001f	PR_EMS_AB_DXA_R ECIPIENT_CP	<mark>Unknown</mark> ASCII or Unicode string
0x8095	0x000d	PR_EMS_AB_DXA_R EMOTE_CLIENT_O	<mark>Unknown</mark> Embedded object
	0x001e 0x001f	PR_EMS_AB_DXA_R EMOTE_CLIENT	<mark>Unknown</mark> ASCII or Unicode string
0x8096	0x001e 0x001f	PR_EMS_AB_DXA_R EQ_SEQ	<mark>Unknown</mark> ASCII or Unicode string
0x8097	0x0040	PR_EMS_AB_DXA_R EQ_SEQ_TIME	<mark>Unknown</mark> Filetime
0x8098	0x0003	PR_EMS_AB_DXA_R EQ_SEQ_USN	<mark>Unknown</mark> Integer 32-bit signed
0x8099	0x001e 0x001f	PR_EMS_AB_DXA_R EQNAME	<mark>Unknown</mark> ASCII or Unicode string
0x809a	0x001e 0x001f	PR_EMS_AB_DXA_S VR_SEQ	<mark>Unknown</mark> ASCII or Unicode string
0x809b	0x0040	PR_EMS_AB_DXA_S VR_SEQ_TIME	<mark>Unknown</mark> Filetime
0x809c	0x0003	PR_EMS_AB_DXA_S VR_SEQ_USN	<mark>Unknown</mark> Integer 32-bit signed
0x809d	0x0003	PR_EMS_AB_DXA_T ASK	<mark>Unknown</mark> Integer 32-bit signed
0x809e	0x0003	PR_EMS_AB_DXA_T EMPLATE_OPTIONS	<mark>Unknown</mark> Integer 32-bit signed
0x809f	0x0040	PR_EMS_AB_DXA_T EMPLATE_TIMESTA MP	<mark>Unknown</mark> Filetime
0x80a0	0x0003	PR_EMS_AB_DXA_T YPES	<mark>Unknown</mark> Integer 32-bit signed
0x80a1	0x000d	PR_EMS_AB_DXA_U NCONF_CONTAINER _LIST_O	<mark>Unknown</mark> Embedded object

Item type	Value type	Identifier	Description
	0x101e 0x101f	PR_EMS_AB_DXA_U NCONF_CONTAINER _LIST	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x80a2	0x0003	PR_EMS_AB_ENCAP SULATION_METHOD	<mark>Unknown</mark> Integer 32-bit signed
0x80a3	0x000b	PR_EMS_AB_ENCRY PT	<mark>Unknown</mark> Boolean
0x80a4	0x000b	PR_EMS_AB_EXPAN D_DLS_LOCALLY	<mark>Unknown</mark> Boolean
0x80a5	0x000d	PR_EMS_AB_EXPOR T_CONTAINERS_O	<mark>Unknown</mark> Boolean
0x80a5	0x101e 0x101f	PR_EMS_AB_EXPOR T_CONTAINERS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x80a6	0x000b	PR_EMS_AB_EXPOR T_CUSTOM_RECIPIE NTS	<mark>Unknown</mark> Boolean
0x80a7	0x000b	PR_EMS_AB_EXTEN DED_CHARS_ALLO WED	<mark>Unknown</mark> Boolean
0x80a8	0x1102	PR_EMS_AB_EXTEN SION_DATA	<mark>Unknown</mark> Array of Binary data values
0x80a9	0x101e 0x101f	PR_EMS_AB_EXTEN SION_NAME	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x80aa	0x101e 0x101f	PR_EMS_AB_EXTEN SION_NAME_INHERI TED	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x80ab	0x1102	PR_EMS_AB_FACSI MILE_TELEPHONE_ NUMBER	<mark>Unknown</mark> Array of Binary data values
0x80ac	0x0102	PR_EMS_AB_FILE_V ERSION	<mark>Unknown</mark> Binary data
0x80ad	0x000b	PR_EMS_AB_FILTER _LOCAL_ADDRESSE S	<mark>Unknown</mark> Boolean
0x80ae	0x000d	PR_EMS_AB_FOLDE RS_CONTAINER_O	<mark>Unknown</mark> Embedded object
	0x001e 0x001f	PR_EMS_AB_FOLDE RS_CONTAINER	<mark>Unknown</mark> ASCII or Unicode string
0x80af	0x0003	PR_EMS_AB_GARBA GE_COLL_PERIOD	<mark>Unknown</mark> Integer 32-bit signed
0x80b0	0x001e 0x001f	PR_EMS_AB_GATE WAY_LOCAL_CRED	<mark>Unknown</mark> ASCII or Unicode string

Item type	Value type	Identifier	Description
0x80b1	0x001e 0x001f	PR_EMS_AB_GATE WAY_LOCAL_DESIG	Unknown ASCII or Unicode string
0x80b2	0x101e 0x101f	PR_EMS_AB_GATE WAY_PROXY	Unknown Array of ASCII or Unicode string value
0x80b3	0x0102	PR_EMS_AB_GATE WAY_ROUTING_TR EE	Unknown Binary data
0x80b4	0x0040	PR_EMS_AB_GWAR T_LAST_MODIFIED	Unknown Filetime
0x80b5	0x000d	PR_EMS_AB_HAS_F ULL_REPLICA_NCS_ O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_HAS_F ULL_REPLICA_NCS	Unknown Array of ASCII or Unicode string value
0x80b6	0x000d	PR_EMS_AB_HAS_M ASTER_NCS_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_HAS_M ASTER_NCS	Unknown Array of ASCII or Unicode string value
0x80b7	0x0003	PR_EMS_AB_HEURIS TICS	Unknown Integer 32-bit signed
0x80b8	0x000b	PR_EMS_AB_HIDE_D L_MEMBERSHIP	Unknown Boolean
0x80b9	0x000b	PR_EMS_AB_HIDE_F ROM_ADDRESS_BO OK	Unknown Boolean
0x80ba	0x000d	PR_EMS_AB_IMPOR T_CONTAINER_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_IMPOR T_CONTAINER	Unknown ASCII or Unicode string
0x80bb	0x0003	PR_EMS_AB_IMPOR T_SENSITIVITY	Unknown Integer 32-bit signed
0x80bc	0x000d	PR_EMS_AB_INBOU ND_SITES_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_INBOU ND_SITES	Unknown Array of ASCII or Unicode string value
0x80bd	0x0003	PR_EMS_AB_INSTA NCE_TYPE	Unknown Integer 32-bit signed
0x80be	0x101e 0x101f	PR_EMS_AB_INTER NATIONAL_ISDN_N UMBER	Unknown Array of ASCII or Unicode string value
0x80bf	0x0102	PR_EMS_AB_INVOC ATION_ID	Unknown Binary data

Item type	Value type	Identifier	Description
0x80c0	0x000b	PR_EMS_AB_IS_DELETED	<mark>Unknown</mark> Boolean
0x80c1	0x000b	PR_EMS_AB_IS_SINGLE_VALUED	<mark>Unknown</mark> Boolean
0x80c2	0x1102	PR_EMS_AB_KCC_STATUS	<mark>Unknown</mark> Array of Binary data values
0x80c3	0x101e 0x101f	PR_EMS_AB_KNOWLEDGE_INFORMATION	<mark>Unknown</mark> Array of ASCII or Unicode string value
0x80c4	0x0003	PR_EMS_AB_LINE_WRAP	<mark>Unknown</mark> Integer 32-bit signed
0x80c5	0x0003	PR_EMS_AB_LINK_ID	<mark>Unknown</mark> Integer 32-bit signed
0x80c6	0x001e 0x001f	PR_EMS_AB_LOCAL_BRIDGE_HEAD	<mark>Unknown</mark> ASCII or Unicode string
0x80c7	0x001e 0x001f	PR_EMS_AB_LOCAL_BRIDGE_HEAD_ADDRESS	<mark>Unknown</mark> ASCII or Unicode string
0x80c8	0x000b	PR_EMS_AB_LOCAL_INITIAL_TURN	<mark>Unknown</mark> Boolean
0x80c9	0x000d	PR_EMS_AB_LOCAL_SCOPE_O	<mark>Unknown</mark> Embedded object
	0x101e 0x101f	PR_EMS_AB_LOCAL_SCOPE	<mark>Unknown</mark> Array of ASCII or Unicode string value
0x80ca	0x001e 0x001f	PR_EMS_AB_LOG_FILENAME	<mark>Unknown</mark> ASCII or Unicode string
0x80cb	0x0003	PR_EMS_AB_LOG_ROLLOVER_INTERVAL	<mark>Unknown</mark> Integer 32-bit signed
0x80cc	0x000b	PR_EMS_AB_MAINTAIN_AUTOREPLY_HISTORY	<mark>Unknown</mark> Boolean
0x80cd	0x0003	PR_EMS_AB_MAPI_DISPLAY_TYPE	<mark>Unknown</mark> Integer 32-bit signed
0x80ce	0x0003	PR_EMS_AB_MAPI_ID	<mark>Unknown</mark> Integer 32-bit signed
0x80cf	0x0003	PR_EMS_AB_MDB_BACKOFF_INTERVAL	<mark>Unknown</mark> Integer 32-bit signed
0x80d0	0x0003	PR_EMS_AB_MDB_MSG_TIME_OUT_PERIOD	<mark>Unknown</mark> Integer 32-bit signed
0x80d1	0x0003	PR_EMS_AB_MDB_O	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
		VER_QUOTA_LIMIT	Integer 32-bit signed
0x80d2	0x0003	PR_EMS_AB_MDB_S TORAGE_QUOTA	<mark>Unknown</mark> Integer 32-bit signed
0x80d3	0x0003	PR_EMS_AB_MDB_U NREAD_LIMIT	<mark>Unknown</mark> Integer 32-bit signed
0x80d4	0x000b	PR_EMS_AB_MDB_U SE_DEFAULTS	<mark>Unknown</mark> Boolean
0x80d5	0x000b	PR_EMS_AB_MESSA GE_TRACKING_ENA BLED	<mark>Unknown</mark> Boolean
0x80d6	0x000b	PR_EMS_AB_MONIT OR_CLOCK	<mark>Unknown</mark> Boolean
0x80d7	0x000b	PR_EMS_AB_MONIT OR_SERVERS	<mark>Unknown</mark> Boolean
0x80d8	0x000b	PR_EMS_AB_MONIT OR_SERVICES	<mark>Unknown</mark> Boolean
0x80d9	0x000d	PR_EMS_AB_MONIT ORED_CONFIGURAT IONS_O	<mark>Unknown</mark> Embedded object
	0x101e 0x101f	PR_EMS_AB_MONIT ORED_CONFIGURAT IONS	<mark>Unknown</mark> Array of ASCII or Unicode string value
0x80da	0x000d	PR_EMS_AB_MONIT ORED_SERVERS_O	<mark>Unknown</mark> Embedded object
	0x101e 0x101f	PR_EMS_AB_MONIT ORED_SERVERS	<mark>Unknown</mark> Array of ASCII or Unicode string value
0x80db	0x101e 0x101f	PR_EMS_AB_MONIT ORED_SERVICES	<mark>Unknown</mark> Array of ASCII or Unicode string value
0x80dc	0x0003	PR_EMS_AB_MONIT ORING_ALERT_DEL AY	<mark>Unknown</mark> Integer 32-bit signed
0x80dd	0x0003	PR_EMS_AB_MONIT ORING_ALERT_UNI TS	<mark>Unknown</mark> Integer 32-bit signed
0x80de	0x0003	PR_EMS_AB_MONIT ORING_AVAILABILI TY_STYLE	<mark>Unknown</mark> Integer 32-bit signed
0x80df	0x0102	PR_EMS_AB_MONIT ORING_AVAILABILI TY_WINDOW	<mark>Unknown</mark> Binary data
0x80e0	0x000d	PR_EMS_AB_MONIT ORING_CACHED_VI A_MAIL_O	<mark>Unknown</mark> Embedded object

Item type	Value type	Identifier	Description
0x80e0	0x101e 0x101f	PR_EMS_AB_MONIT ORING_CACHED_VI A_MAIL	Unknown Array of ASCII or Unicode string value
0x80e1	0x000d	PR_EMS_AB_MONIT ORING_CACHED_VI A_RPC_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_MONIT ORING_CACHED_VI A_RPC	Unknown Array of ASCII or Unicode string value
0x80e2	0x1102	PR_EMS_AB_MONIT ORING_ESCALATIO N_PROCEDURE	Unknown Array of Binary data values
0x80e3	0x0003	PR_EMS_AB_MONIT ORING_HOTSITE_PO LL_INTERVAL	Unknown Integer 32-bit signed
0x80e4	0x0003	PR_EMS_AB_MONIT ORING_HOTSITE_PO LL_UNITS	Unknown Integer 32-bit signed
0x80e5	0x0003	PR_EMS_AB_MONIT ORING_MAIL_UPDA TE_INTERVAL	Unknown Integer 32-bit signed
0x80e6	0x0003	PR_EMS_AB_MONIT ORING_MAIL_UPDA TE_UNITS	Unknown Integer 32-bit signed
0x80e7	0x0003	PR_EMS_AB_MONIT ORING_NORMAL_PO LL_INTERVAL	Unknown Integer 32-bit signed
0x80e8	0x0003	PR_EMS_AB_MONIT ORING_NORMAL_PO LL_UNITS	Unknown Integer 32-bit signed
0x80e9	0x000d	PR_EMS_AB_MONIT ORING_RECIPIENTS _O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_MONIT ORING_RECIPIENTS	Unknown Array of ASCII or Unicode string value
0x80ea	0x000d	PR_EMS_AB_MONIT ORING_RECIPIENTS _NDR_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_MONIT ORING_RECIPIENTS _NDR	Unknown Array of ASCII or Unicode string value
0x80eb	0x0003	PR_EMS_AB_MONIT ORING_RPC_UPDAT E_INTERVAL	Unknown Integer 32-bit signed

Item type	Value type	Identifier	Description
0x80ec	0x0003	PR_EMS_AB_MONIT ORING_RPC_UPDAT E_UNITS	<mark>Unknown</mark> Integer 32-bit signed
0x80ed	0x0003	PR_EMS_AB_MONIT ORING_WARNING_D ELAY	<mark>Unknown</mark> Integer 32-bit signed
0x80ee	0x0003	PR_EMS_AB_MONIT ORING_WARNING_U NITS	<mark>Unknown</mark> Integer 32-bit signed
0x80ef	0x001e 0x001f	PR_EMS_AB_MTA_L OCAL_CRED	<mark>Unknown</mark> ASCII or Unicode string
0x80f0	0x001e 0x001f	PR_EMS_AB_MTA_L OCAL_DESIG	<mark>Unknown</mark> ASCII or Unicode string
0x80f1	0x0102	PR_EMS_AB_N_ADD RESS	<mark>Unknown</mark> Binary data
0x80f2	0x0003	PR_EMS_AB_N_ADD RESS_TYPE	<mark>Unknown</mark> Integer 32-bit signed
0x80f3	0x001e 0x001f	PR_EMS_AB_NT_MA CHINE_NAME	<mark>Unknown</mark> ASCII or Unicode string
0x80f4	0x0003	PR_EMS_AB_NUM_O F_OPEN_RETRIES	<mark>Unknown</mark> Integer 32-bit signed
0x80f5	0x0003	PR_EMS_AB_NUM_O F_TRANSFER_RETRI ES	<mark>Unknown</mark> Integer 32-bit signed
0x80f6	0x0003	PR_EMS_AB_OBJEC T_CLASS_CATEGOR Y	<mark>Unknown</mark> Integer 32-bit signed
0x80f7	0x0003	PR_EMS_AB_OBJEC T_VERSION	<mark>Unknown</mark> Integer 32-bit signed
0x80f8	0x000d	PR_EMS_AB_OFF_LI NE_AB_CONTAINER S_O	<mark>Unknown</mark> Embedded object
	0x101e 0x101f	PR_EMS_AB_OFF_LI NE_AB_CONTAINER S	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x80f9	0x0102	PR_EMS_AB_OFF_LI NE_AB_SCHEDULE	<mark>Unknown</mark> Binary data
0x80fa	0x000d	PR_EMS_AB_OFF_LI NE_AB_SERVER_O	<mark>Unknown</mark> Embedded object
	0x001e 0x001f	PR_EMS_AB_OFF_LI NE_AB_SERVER	<mark>Unknown</mark> ASCII or Unicode string
0x80fb	0x0003	PR_EMS_AB_OFF_LI NE_AB_STYLE	<mark>Unknown</mark> Integer 32-bit signed

Item type	Value type	Identifier	Description
0x80fc	0x0003	PR_EMS_AB_OID_TYPE	Unknown Integer 32-bit signed
0x80fd	0x0102	PR_EMS_AB_OM_OBJECT_CLASS	Unknown Binary data
0x80fe	0x0003	PR_EMS_AB_OM_SYNTAX	Unknown Integer 32-bit signed
0x80ff	0x000b	PR_EMS_AB_OOF_REPLY_TO_ORIGINATOR	Unknown Boolean
0x8100	0x0003	PR_EMS_AB_OPEN_RETRY_INTERVAL	Unknown Integer 32-bit signed
0x8101	0x101e 0x101f	PR_EMS_AB_ORGANIZATION_NAME	Unknown Array of ASCII or Unicode string values
0x8102	0x101e 0x101f	PR_EMS_AB_ORGANIZATIONAL_UNIT_NAME	Unknown Array of ASCII or Unicode string values
0x8103	0x0102	PR_EMS_AB_ORIGINAL_DISPLAY_TABLE	Unknown Binary data
0x8104	0x0102	PR_EMS_AB_ORIGINAL_DISPLAY_TABLE_MSDOS	Unknown Binary data
0x8105	0x000d	PR_EMS_AB_OUTBOUND_SITES_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_OUTBOUND_SITES	Unknown Array of ASCII or Unicode string values
0x8106	0x0102	PR_EMS_AB_P_SELECTOR	Unknown Binary data
0x8107	0x0102	PR_EMS_AB_P_SELECTOR_INBOUND	Unknown Binary data
0x8108	0x0102	PR_EMS_AB_PER_MSG_DIALOG_DISPLAY_TABLE	Unknown Binary data
0x8109	0x0102	PR_EMS_AB_PER_RECIP_DIALOG_DISPLAY_TABLE	Unknown Binary data
0x810a	0x0102	PR_EMS_AB_PERIOD_REP_SYNC_TIMES	Unknown Binary data
0x810b	0x0003	PR_EMS_AB_PERIOD_REPL_STAGGER	Unknown Integer 32-bit signed
0x810c	0x1102	PR_EMS_AB_POSTAL_ADDRESS	Unknown Array of Binary data values
0x810d	0x1003	PR_EMS_AB_PREFE	Unknown

Item type	Value type	Identifier	Description
		RRED_DELIVERY_M ETHOD	Array of Integer 32-bit signed values
0x810e	0x001e 0x001f	PR_EMS_AB_PRMD	Unknown ASCII or Unicode string
0x810f	0x001e 0x001f	PR_EMS_AB_PROXY _GENERATOR_DLL	Unknown ASCII or Unicode string
0x8110	0x000d	PR_EMS_AB_PUBLIC _DELEGATES_BL_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_PUBLIC _DELEGATES_BL	Unknown Array of ASCII or Unicode string values
0x8111	0x0102	PR_EMS_AB_QUOTA _NOTIFICATION_SC HEDULE	Unknown Binary data
0x8112	0x0003	PR_EMS_AB_QUOTA _NOTIFICATION_ST YLE	Unknown Integer 32-bit signed
0x8113	0x0003	PR_EMS_AB_RANGE _LOWER	Unknown Integer 32-bit signed
0x8114	0x0003	PR_EMS_AB_RANGE _UPPER	Unknown Integer 32-bit signed
0x8115	0x001e 0x001f	PR_EMS_AB_RAS_C ALLBACK_NUMBER	Unknown ASCII or Unicode string
0x8116	0x001e 0x001f	PR_EMS_AB_RAS_P HONE_NUMBER	Unknown ASCII or Unicode string
0x8117	0x001e 0x001f	PR_EMS_AB_RAS_P HONEBOOK_ENTRY _NAME	Unknown ASCII or Unicode string
0x8118	0x001e 0x001f	PR_EMS_AB_RAS_R EMOTE_SRVR_NAM E	Unknown ASCII or Unicode string
0x8119	0x001e 0x001f	PR_CE_SIGNATURE	Text signature ASCII or Unicode string
	0x1102	PR_EMS_AB_REGIST ERED_ADDRESS	Unknown Array of Binary data values
0x811a	0x001e 0x001f	PR_EMS_AB_REMOT E_BRIDGE_HEAD	Unknown ASCII or Unicode string
0x811b	0x001e 0x001f	PR_EMS_AB_REMOT E_BRIDGE_HEAD_A DDRESS	Unknown ASCII or Unicode string
0x811c	0x000d	PR_EMS_AB_REMOT E_OUT_BH_SERVER _O	Unknown Embedded objects

Item type	Value type	Identifier	Description
	0x001e 0x001f	PR_EMS_AB_REMOT E_OUT_BH_SERVER	Unknown ASCII or Unicode string
0x811d	0x000d	PR_EMS_AB_REMOT E_SITE_O	Unknown Embedded objects
	0x001e 0x001f	PR_EMS_AB_REMOT E_SITE	Unknown ASCII or Unicode string
0x811e	0x0003	PR_EMS_AB_REPLIC ATION_SENSITIVITY	Unknown Integer 32-bit signed
0x811f	0x0003	PR_EMS_AB_REPLIC ATION_STAGGER	Unknown Integer 32-bit signed
0x8120	0x000b	PR_EMS_AB_REPOR T_TO_ORIGINATOR	Unknown Boolean
0x8121	0x000b	PR_EMS_AB_REPOR T_TO_OWNER	Unknown Boolean
0x8122	0x0003	PR_EMS_AB_REQ_S EQ	Unknown Integer 32-bit signed
0x8123	0x000d	PR_EMS_AB_RESPO NSIBLE_LOCAL_DX A_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_RESPO NSIBLE_LOCAL_DX A	Unknown ASCII or Unicode string
0x8124	0x000d	PR_EMS_AB_RID_SE RVER_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_RID_SE RVER	Unknown ASCII or Unicode string
0x8125	0x000d	PR_EMS_AB_ROLE_ OCCUPANT_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_ROLE_ OCCUPANT	Unknown Array of ASCII or Unicode string values
0x8126	0x101e 0x101f	PR_EMS_AB_ROUTI NG_LIST	Unknown Array of ASCII or Unicode string values
0x8127	0x0003	PR_EMS_AB_RTS_C HECKPOINT_SIZE	Unknown Integer 32-bit signed
0x8128	0x0003	PR_EMS_AB_RTS_R ECOVERY_TIMEOUT	Unknown Integer 32-bit signed
0x8129	0x0003	PR_EMS_AB_RTS_W INDOW_SIZE	Unknown Integer 32-bit signed
0x812a	0x000d	PR_EMS_AB_RUNS_ ON_O	Unknown Embedded object
0x812a	0x101e 0x101f	PR_EMS_AB_RUNS_ ON	Unknown Array of ASCII or Unicode string values

Item type	Value type	Identifier	Description
0x812b	0x0102	PR_EMS_AB_S_SELE CTOR	<mark>Unknown</mark> Binary data
0x812c	0x0102	PR_EMS_AB_S_SELE CTOR_INBOUND	<mark>Unknown</mark> Binary data
0x812d	0x0003	PR_EMS_AB_SEARC H_FLAGS	<mark>Unknown</mark> Integer 32-bit signed
0x812e	0x1102	PR_EMS_AB_SEARC H_GUIDE	<mark>Unknown</mark> Array of Binary data values
0x812f	0x000d	PR_EMS_AB_SEE_A LSO_O	<mark>Unknown</mark> Embedded object
	0x101e 0x101f	PR_EMS_AB_SEE_A LSO	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8130	0x101e 0x101f	PR_EMS_AB_SERIAL _NUMBER	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8131	0x0003	PR_EMS_AB_SERVIC E_ACTION_FIRST	<mark>Unknown</mark> Integer 32-bit signed
0x8132	0x0003	PR_EMS_AB_SERVIC E_ACTION_OTHER	<mark>Unknown</mark> Integer 32-bit signed
0x8133	0x0003	PR_EMS_AB_SERVIC E_ACTION_SECOND	<mark>Unknown</mark> Integer 32-bit signed
0x8134	0x0003	PR_EMS_AB_SERVIC E_RESTART_DELAY	<mark>Unknown</mark> Integer 32-bit signed
0x8135	0x001e 0x001f	PR_EMS_AB_SERVIC E_RESTART_MESSA GE	<mark>Unknown</mark> ASCII or Unicode string
0x8136	0x0003	PR_EMS_AB_SESSIO N_DISCONNECT_TI MER	<mark>Unknown</mark> Integer 32-bit signed
0x8137	0x101e 0x101f	PR_EMS_AB_SITE_A FFINITY	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8138	0x101e 0x101f	PR_EMS_AB_SITE_P ROXY_SPACE	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8139	0x0040	PR_EMS_AB_SPACE _LAST_COMPUTED	<mark>Unknown</mark> Filetime
0x813a	0x001e 0x001f	PR_EMS_AB_STREE T_ADDRESS	<mark>Unknown</mark> ASCII or Unicode string
0x813b	0x000d	PR_EMS_AB_SUB_R EFS_O	<mark>Unknown</mark> Embedded object
	0x101e 0x101f	PR_EMS_AB_SUB_R EFS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x813c	0x0003	PR_EMS_AB_SUBMI SSION_CONT_LENG	<mark>Unknown</mark> Integer 32-bit signed

Item type	Value type	Identifier	Description
		TH	
0x813d	0x1102	PR_EMS_AB_SUPPO RTED_APPLICATION _CONTEXT	Unknown Array of Binary data values
0x813e	0x000d	PR_EMS_AB_SUPPO RTING_STACK_O	Unknown Embedded object
0x813e	0x101e 0x101f	PR_EMS_AB_SUPPO RTING_STACK	Unknown Array of ASCII or Unicode string values
0x813f	0x000d	PR_EMS_AB_SUPPO RTING_STACK_BL_ O	Unknown Embedded object
0x813f	0x101e 0x101f	PR_EMS_AB_SUPPO RTING_STACK_BL	Unknown Array of ASCII or Unicode string values
0x8140	0x0102	PR_EMS_AB_T_SELE CTOR	Unknown Binary data
0x8141	0x0102	PR_EMS_AB_T_SELE CTOR_INBOUND	Unknown Binary data
0x8142	0x101e 0x101f	PR_EMS_AB_TARGE T_MTAS	Unknown Array of ASCII or Unicode string values
0x8143	0x1102	PR_EMS_AB_TELET EX_TERMINAL_IDE NTIFIER	Unknown Array of Binary data values
0x8144	0x0003	PR_EMS_AB_TEMP_ ASSOC_THRESHOLD	Unknown Integer 32-bit signed
0x8145	0x0003	PR_EMS_AB_TOMBS TONE_LIFETIME	Unknown Integer 32-bit signed
0x8146	0x001e 0x001f	PR_EMS_AB_TRACK ING_LOG_PATH_NA ME	Unknown ASCII or Unicode string
0x8147	0x0003	PR_EMS_AB_TRANS _RETRY_MINS	Unknown Integer 32-bit signed
0x8148	0x0003	PR_EMS_AB_TRANS _TIMEOUT_MINS	Unknown Integer 32-bit signed
0x8149	0x0003	PR_EMS_AB_TRANS FER_RETRY_INTER VAL	Unknown Integer 32-bit signed
0x814a	0x0003	PR_EMS_AB_TRANS FER_TIMEOUT_NON _URGENT	Unknown Integer 32-bit signed
0x814b	0x0003	PR_EMS_AB_TRANS FER_TIMEOUT_NOR MAL	Unknown Integer 32-bit signed

Item type	Value type	Identifier	Description
0x814c	0x0003	PR_EMS_AB_TRANS FER_TIMEOUT_URG ENT	Unknown Integer 32-bit signed
0x814d	0x0003	PR_EMS_AB_TRANS LATION_TABLE_US ED	Unknown Integer 32-bit signed
0x814e	0x000b	PR_EMS_AB_TRANS PORT_EXPEDITED_D ATA	Unknown Integer 32-bit signed
0x814f	0x0003	PR_EMS_AB_TRUST _LEVEL	Unknown Integer 32-bit signed
0x8150	0x0003	PR_EMS_AB_TURN_ REQUEST_THRESHO LD	Unknown Integer 32-bit signed
0x8151	0x000b	PR_EMS_AB_TWO_ WAY_ALTERNATE_ FACILITY	Unknown Boolean
0x8152	0x000d	PR_EMS_AB_UNAUT H_ORIG_BL_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_UNAUT H_ORIG_BL	Unknown Array of ASCII or Unicode string values
0x8153	0x1102	PR_EMS_AB_USER_ PASSWORD	Unknown Array of Binary data values
0x8154	0x0003	PR_EMS_AB_USN_C REATED	Unknown Integer 32-bit signed
	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string Description of time zone ?
0x8155	0x0003	PR_EMS_AB_USN_D SA_LAST_OBJ_REM OVED	Unknown Integer 32-bit signed
	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string Time representation format string?
0x8156	0x0003	PR_EMS_AB_USN_L AST_OBJ_REM	Unknown Integer 32-bit signed
	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string Long date representation format string?
0x8157	0x0003	PR_EMS_AB_USN_S OURCE	Unknown Integer 32-bit signed
	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string

Item type	Value type	Identifier	Description
0x8158	0x0003		Integer 32-bit signed
	0x101e 0x101f	PR_EMS_AB_X121_ADDRESS	Array of ASCII or Unicode string values
0x8159	0x0003		Integer 32-bit signed
	0x0102	PR_EMS_AB_X25_CALL_USER_DATA_INCOMING	Binary data
0x815a	0x0003		Integer 32-bit signed
	0x0102	PR_EMS_AB_X25_CALL_USER_DATA_OUTGOING	Binary data
0x815b	0x0003		Integer 32-bit signed
	0x0102	PR_EMS_AB_X25_FACILITIES_DATA_INCOMING	Binary data
0x815c	0x000b		Boolean
	0x0102	PR_EMS_AB_X25_FACILITIES_DATA_OUTGOING	Binary data
0x815d			ASCII or Unicode string
	0x0102	PR_EMS_AB_X25_LEASED_LINE_PORT	Binary data
0x815e	0x000b	PR_EMS_AB_X25_LEASED_OR_SWITCHED	Boolean
0x815f	0x000b		Boolean
	0x001e 0x001f	PR_EMS_AB_X25_REMOTE_MTA_PHONE	ASCII or Unicode string
0x8160	0x000b		Boolean
	0x0102	PR_EMS_AB_X400_ATTACHMENT_TYPE	Binary data
0x8161	0x0003	PR_EMS_AB_X400_S	

Item type	Value type	Identifier	Description
		ELECTOR_SYNTAX	Integer 32-bit signed
	0x001e 0x001f		<mark>Unknown (found in Exchange)</mark> ASCII or Unicode string values
0x8162	0x001e 0x001f		<mark>Unknown (found in Exchange)</mark> ASCII or Unicode string values
	0x0102	PR_EMS_AB_X500_ACCESS_CONTROL_LIST	<mark>Unknown</mark> Binary data
0x8163	0x0003	PR_EMS_AB_XMIT_TIMEOUT_NON_URGENT	<mark>Unknown</mark> Integer 32-bit signed
0x8164	0x0003	PR_EMS_AB_XMIT_TIMEOUT_NORMAL	<mark>Unknown</mark> Integer 32-bit signed
0x8165	0x0003	PR_EMS_AB_XMIT_TIMEOUT_URGENT	<mark>Unknown</mark> Integer 32-bit signed
0x8166	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
	0x0102	PR_EMS_AB_SITE_FOLDER_GUID	<mark>Unknown</mark> Binary data
0x8167	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
	0x000d	PR_EMS_AB_SITE_FOLDER_SERVER_O	<mark>Unknown</mark> Embedded object
	0x001e 0x001f	PR_EMS_AB_SITE_FOLDER_SERVER	<mark>Unknown</mark> ASCII or Unicode string
0x8168	0x0003	PR_EMS_AB_REPLICATION_MAIL_MSG_SIZE	<mark>Unknown</mark> Integer 32-bit signed
	0x101e 0x101f		<mark>Unknown (found in Exchange)</mark> Array of ASCII or Unicode string values
0x8169	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
	0x0102	PR_EMS_AB_MAXIMUM_OBJECT_ID	<mark>Unknown</mark> Binary data
0x816a	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
0x816b	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
0x816c	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed

Item type	Value type	Identifier	Description
0x816d	0x0003		==Unknown (found in Exchange)== Integer 32-bit signed
0x816e	==0x001e== ==0x001f==		==Unknown (found in Exchange)== ASCII or Unicode string values
0x816f	0x000b		==Unknown (found in Exchange)== Boolean
0x8170	0x000b		==Unknown (found in Exchange)== Boolean
	0x101e 0x101f	PidTagAddressBookNetworkAddress (PR_EMS_AB_NETWORK_ADDRESS)	Address book network address Array of ASCII or Unicode string values ==Contains a list of names by which a server is known to the various transports in use by the network.==
0x8171	0x000b		==Unknown (found in Exchange)== Boolean
	0x101e 0x101f	PR_EMS_AB_LDAP_ DISPLAY_NAME	==Unknown== Array of ASCII or Unicode string values
0x8172	0x000b		==Unknown (found in Exchange)== Boolean
0x8173	0x0003	PR_EMS_AB_SCHEMA_FLAGS	==Unknown== Integer 32-bit signed
	0x000b		==Unknown (found in Exchange)== Boolean
0x8174	0x000d	PR_EMS_AB_BRIDGEHEAD_SERVERS_O	==Unknown== Embedded object
	==0x001e== ==0x001f==		==Unknown (Found in Exchange)== ASCII or Unicode string ==Font name?==
	0x101e 0x101f	PR_EMS_AB_BRIDGEHEAD_SERVERS	==Unknown== Array of ASCII or Unicode string values
0x8175	0x0003		==Unknown (found in Exchange)== Integer 32-bit signed
	0x001e 0x001f	PR_EMS_AB_WWW_ HOME_PAGE	==Unknown== ASCII or Unicode string
0x8176	0x001e 0x001f	PR_EMS_AB_NNTP_ CONTENT_FORMAT	==Unknown== ASCII or Unicode string
0x8177	0x0003		==Unknown (found in Exchange)== Integer 32-bit signed
	0x001e 0x001f	PR_EMS_AB_POP_C ONTENT_FORMAT	==Unknown== ASCII or Unicode string
0x8178	0x0003	PR_EMS_AB_LANGUAGE	==Unknown== Integer 32-bit signed

Item type	Value type	Identifier	Description
	0x000b		<mark>Unknown (found in Exchange)</mark> Boolean
0x8179	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
	0x001e 0x001f	PR_EMS_AB_POP_C HARACTER_SET	<mark>Unknown</mark> ASCII or Unicode string
0x817a	0x0003	PR_EMS_AB_USN_IN TERSITE	<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
0x817b	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
	0x001e 0x001f	PR_EMS_AB_SUB_SI TE	<mark>Unknown</mark> ASCII or Unicode string
0x817c	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
	0x1003	PR_EMS_AB_SCHEM A_VERSION	<mark>Unknown</mark> Array of Integer 32-bit signed value
0x817d	0x0003		<mark>Unknown (found in Exchange)</mark> Integer 32-bit signed
	0x001e 0x001f	PR_EMS_AB_NNTP_ CHARACTER_SET	<mark>Unknown</mark> ASCII or Unicode string
0x817e	0x000b	PR_EMS_AB_USE_SE RVER_VALUES	<mark>Unknown</mark> Boolean
0x817f	0x0003	PR_EMS_AB_ENABL ED_PROTOCOLS	<mark>Unknown</mark> Integer 32-bit signed
0x8180	0x0102	PR_EMS_AB_CONNE CTION_LIST_FILTER	<mark>Unknown</mark> Binary data
0x8181	0x101e 0x101f	PR_EMS_AB_AVAIL ABLE_AUTHORIZAT ION_PACKAGES	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8182	0x101e 0x101f	PR_EMS_AB_CHARA CTER_SET_LIST	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8183	0x000b	PR_EMS_AB_USE_SI TE_VALUES	
0x8184	0x101e 0x101f	PR_EMS_AB_ENABL ED_AUTHORIZATIO N_PACKAGES	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8185	0x001e 0x001f	PR_EMS_AB_CHARA CTER_SET	<mark>Unknown</mark> ASCII or Unicode string
0x8186	0x0003	PR_EMS_AB_CONTE NT_TYPE	<mark>Unknown</mark> Integer 32-bit signed
0x8187	0x000b	PR_EMS_AB_ANONY MOUS_ACCESS	<mark>Unknown</mark> Boolean

Item type	Value type	Identifier	Description
0x8188	0x0102	PR_EMS_AB_CONTROL_MSG_FOLDER_ID	<mark>Unknown</mark> Binary data
0x8189	0x001e 0x001f	PR_EMS_AB_USENET_SITE_NAME	<mark>Unknown</mark> ASCII or Unicode string
0x818a	0x0102	PR_EMS_AB_CONTROL_MSG_RULES	<mark>Unknown</mark> Binary data
0x818b	0x001e 0x001f	PR_EMS_AB_AVAILABLE_DISTRIBUTIONS	<mark>Unknown</mark> ASCII or Unicode string
0x818d	0x0102	PR_EMS_AB_OUTBOUND_HOST	<mark>Unknown</mark> Binary data
0x818e	0x101e 0x101f	PR_EMS_AB_INBOUND_HOST	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x818f	0x0003	PR_EMS_AB_OUTGOING_MSG_SIZE_LIMIT	<mark>Unknown</mark> Integer 32-bit signed
0x8190	0x0003	PR_EMS_AB_INCOMING_MSG_SIZE_LIMIT	<mark>Unknown</mark> Integer 32-bit signed
0x8191	0x000b	PR_EMS_AB_SEND_TNEF	<mark>Unknown</mark> Boolean
0x8192	0x0102	PR_EMS_AB_AUTHORIZED_PASSWORD_CONFIRM	<mark>Unknown</mark> Binary data
0x8193	0x001e 0x001f	PR_EMS_AB_INBOUND_NEWSFEED	<mark>Unknown</mark> ASCII or Unicode string
0x8194	0x0003	PR_EMS_AB_NEWSFEED_TYPE	<mark>Unknown</mark> Integer 32-bit signed
0x8195	0x001e 0x001f	PR_EMS_AB_OUTBOUND_NEWSFEED	<mark>Unknown</mark> ASCII or Unicode string
0x8196	0x0102	PR_EMS_AB_NEWSGROUP_LIST	<mark>Unknown</mark> Binary data
0x8197	0x101e 0x101f	PR_EMS_AB_NNTP_DISTRIBUTIONS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8198	0x001e 0x001f	PR_EMS_AB_NEWSGROUP	<mark>Unknown</mark> ASCII or Unicode string
0x8199	0x001e 0x001f	PR_EMS_AB_MODERATOR	<mark>Unknown</mark> ASCII or Unicode string
0x819a	0x001e 0x001f	PR_EMS_AB_AUTHENTICATION_TO_USE	<mark>Unknown</mark> ASCII or Unicode string

Item type	Value type	Identifier	Description
0x819b	0x000b	PR_EMS_AB_HTTP_PUB_GAL	<mark>Unknown</mark> Boolean
0x819c	0x0003	PR_EMS_AB_HTTP_PUB_GAL_LIMIT	<mark>Unknown</mark> Integer 32-bit signed
0x819e	0x1102	PR_EMS_AB_HTTP_PUB_PF	<mark>Unknown</mark> Array of Binary data values
0x81a1	0x001e 0x001f	PR_EMS_AB_X500_RDN	<mark>Unknown</mark> ASCII or Unicode string
0x81a2	0x001e 0x001f	PR_EMS_AB_X500_NC	<mark>Unknown</mark> ASCII or Unicode string
0x81a3	0x101e 0x101f	PR_EMS_AB_REFERRAL_LIST	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x81a4	0x000b	PR_EMS_AB_NNTP_DISTRIBUTIONS_FLAG	<mark>Unknown</mark> Boolean
0x81a5	0x000d	PR_EMS_AB_ASSOC_PROTOCOL_CFG_NNTP_O	<mark>Unknown</mark> Embedded object
	0x001e 0x001f	PR_EMS_AB_ASSOC_PROTOCOL_CFG_NNTP	<mark>Unknown</mark> ASCII or Unicode string
0x81a6	0x000d	PR_EMS_AB_NNTP_NEWSFEEDS_O	<mark>Unknown</mark> Embedded object
	0x101e 0x101f	PR_EMS_AB_NNTP_NEWSFEEDS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x81a8	0x000b	PR_EMS_AB_ENABLED_PROTOCOL_CFG	<mark>Unknown</mark> Boolean
0x81a9	0x101e 0x101f	PR_EMS_AB_HTTP_PUB_AB_ATTRIBUTES	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x81ab	0x101e 0x101f	PR_EMS_AB_HTTP_SERVERS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x81ac	0x000b	PR_EMS_AB_MODERATED	<mark>Unknown</mark> Boolean
0x81ad	0x001e 0x001f	PR_EMS_AB_RAS_ACCOUNT	<mark>Unknown</mark> ASCII or Unicode string

Item type	Value type	Identifier	Description
0x81ae	0x0102	PR_EMS_AB_RAS_P ASSWORD	<mark>Unknown</mark> Binary data
0x81af	0x0102	PR_EMS_AB_INCOM ING_PASSWORD	<mark>Unknown</mark> Binary data
0x81b0	0x000b	PR_EMS_AB_OUTBO UND_HOST_TYPE	<mark>Unknown</mark> Boolean
0x81b1	0x000b	PR_EMS_AB_PROXY _GENERATION_ENA BLED	<mark>Unknown</mark> Boolean
0x81b2	0x0102	PR_EMS_AB_ROOT_ NEWSGROUPS_FOL DER_ID	<mark>Unknown</mark> Binary data
0x81b3	0x000b	PR_EMS_AB_CONNE CTION_TYPE	<mark>Unknown</mark> Boolean
0x81b4	0x0003	PR_EMS_AB_CONNE CTION_LIST_FILTER _TYPE	<mark>Unknown</mark> Integer 32-bit signed
0x81b5	0x0003	PR_EMS_AB_PORT_ NUMBER	<mark>Unknown</mark> Integer 32-bit signed
0x81b6	0x101e 0x101f	PR_EMS_AB_PROTO COL_SETTINGS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x81b7	0x001e 0x001f	PR_EMS_AB_GROUP _BY_ATTR_1	<mark>Unknown</mark> ASCII or Unicode string
0x81b8	0x001e 0x001f	PR_EMS_AB_GROUP _BY_ATTR_2	<mark>Unknown</mark> ASCII or Unicode string
0x81b9	0x001e 0x001f	PR_EMS_AB_GROUP _BY_ATTR_3	<mark>Unknown</mark> ASCII or Unicode string
0x81ba	0x001e 0x001f	PR_EMS_AB_GROUP _BY_ATTR_4	<mark>Unknown</mark> ASCII or Unicode string
0x81be	0x001e 0x001f	PR_EMS_AB_VIEW_ SITE	<mark>Unknown</mark> ASCII or Unicode string
0x81bf	0x001e 0x001f	PR_EMS_AB_VIEW_ CONTAINER_1	<mark>Unknown</mark> ASCII or Unicode string
0x81c0	0x001e 0x001f	PR_EMS_AB_VIEW_ CONTAINER_2	<mark>Unknown</mark> ASCII or Unicode string
0x81c1	0x001e 0x001f	PR_EMS_AB_VIEW_ CONTAINER_3	<mark>Unknown</mark> ASCII or Unicode string
0x81c2	0x0040	PR_EMS_AB_PROMO _EXPIRATION	<mark>Unknown</mark> Filetime
0x81c3	0x101e 0x101f	PR_EMS_AB_DISABL ED_GATEWAY_PRO	<mark>Unknown</mark> Array of ASCII or Unicode string values

Item type	Value type	Identifier	Description
		XY	
0x81c4	0x0102	PR_EMS_AB_COMPR OMISED_KEY_LIST	Unknown Binary data
0x81c5	0x000d	PR_EMS_AB_INSAD MIN_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_INSAD MIN	Unknown ASCII or Unicode string
0x81c6	0x000b	PR_EMS_AB_OVERR IDE_NNTP_CONTEN T_FORMAT	Unknown Boolean
0x81c7	0x000d	PR_EMS_AB_OBJ_VI EW_CONTAINERS_O	Unknown Embedded object
	0x101e 0x101f	PR_EMS_AB_OBJ_VI EW_CONTAINERS	Unknown Array of ASCII or Unicode string values
0x81e9	0x0003		Unknown (Found in Exchange) Integer 32-bit signed
0x81fe	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string
0x84da	0x001e 0x001f		Unknown (Found in Exchange) ASCII or Unicode string
0x8c18	0x0003	PR_EMS_AB_VIEW_ FLAGS	Unknown Integer 32-bit signed
0x8c19	0x001e 0x001f	PR_EMS_AB_GROUP _BY_ATTR_VALUE_ STR	Unknown ASCII or Unicode string
0x8c1a	0x000d	PR_EMS_AB_GROUP _BY_ATTR_VALUE_ DN_O	Unknown Embedded object
	0x001e 0x001f	PR_EMS_AB_GROUP _BY_ATTR_VALUE_ DN	Unknown ASCII or Unicode string
0x8c1b	0x1102	PR_EMS_AB_VIEW_ DEFINITION	Unknown Array of Binary data values
0x8c1c	0x0102	PR_EMS_AB_MIME_ TYPES	Unknown Binary data
0x8c1d	0x0003	PR_EMS_AB_LDAP_ SEARCH_CFG	Unknown Integer 32-bit signed

Item type	Value type	Identifier	Description
0x8c1e	0x000d	PR_EMS_AB_INBOUND_DN_O	<mark>Unknown</mark> Embedded object
	0x001e 0x001f	PR_EMS_AB_INBOUND_DN	<mark>Unknown</mark> ASCII or Unicode string
0x8c1f	0x000b	PR_EMS_AB_INBOUND_NEWSFEED_TYPE	<mark>Unknown</mark> Boolean
0x8c20	0x000b	PR_EMS_AB_INBOUND_ACCEPT_ALL	<mark>Unknown</mark> Boolean
0x8c21	0x000b	PR_EMS_AB_ENABLED	<mark>Unknown</mark> Boolean
0x8c22	0x000b	PR_EMS_AB_PRESERVE_INTERNET_CONTENT	<mark>Unknown</mark> Boolean
0x8c23	0x000b	PR_EMS_AB_DISABLE_DEFERRED_COMMIT	<mark>Unknown</mark> Boolean
0x8c24	0x000b	PR_EMS_AB_CLIENT_ACCESS_ENABLED	<mark>Unknown</mark> Boolean
0x8c25	0x000b	PR_EMS_AB_REQUIRE_SSL	<mark>Unknown</mark> Boolean
0x8c26	0x001e 0x001f	PR_EMS_AB_ANONYMOUS_ACCOUNT	<mark>Unknown</mark> ASCII or Unicode string
0x8c27	0x0102	PR_EMS_AB_CERTIFICATE_CHAIN_V3	<mark>Unknown</mark> Binary data
0x8c28	0x0102	PR_EMS_AB_CERTIFICATE_REVOCATION_LIST_V3	<mark>Unknown</mark> Binary data
0x8c29	0x0102	PR_EMS_AB_CERTIFICATE_REVOCATION_LIST_V1	<mark>Unknown</mark> Binary data
0x8c30	0x1102	PR_EMS_AB_CROSS_CERTIFICATE_CRL	<mark>Unknown</mark> Array of Binary data values
0x8c31	0x000b	PR_EMS_AB_SEND_EMAIL_MESSAGE	<mark>Unknown</mark> Boolean
0x8c32	0x000b	PR_EMS_AB_ENABLE_COMPATIBILITY	<mark>Unknown</mark> Boolean
0x8c33	0x101e 0x101f	PR_EMS_AB_SMIME_ALG_LIST_NA	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8c34	0x101e 0x101f	PR_EMS_AB_SMIME_ALG_LIST_OTHER	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8c35	0x001e	PR_EMS_AB_SMIME	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
	0x001f	_ALG_SELECTED_N A	ASCII or Unicode string
0x8c36	0x001e 0x001f	PR_EMS_AB_SMIME _ALG_SELECTED_O THER	<mark>Unknown</mark> ASCII or Unicode string
0x8c37	0x000b	PR_EMS_AB_DEFAU LT_MESSAGE_FORM AT	<mark>Unknown</mark> Boolean
0x8c38	0x001e 0x001f	PR_EMS_AB_TYPE	<mark>Unknown</mark> ASCII or Unicode string
0x8c3a	0x0003	PR_EMS_AB_DO_OA B_VERSION	<mark>Unknown</mark> Integer 32-bit signed
0x8c3b	0x0102	PR_EMS_AB_VOICE_ MAIL_SYSTEM_GUI D	<mark>Unknown</mark> Binary data
0x8c3c	0x001e 0x001f	PR_EMS_AB_VOICE_ MAIL_USER_ID	<mark>Unknown</mark> ASCII or Unicode string
0x8c3d	0x001e 0x001f	PR_EMS_AB_VOICE_ MAIL_PASSWORD	<mark>Unknown</mark> ASCII or Unicode string
0x8c3e	0x0102	PR_EMS_AB_VOICE_ MAIL_RECORDED_N AME	<mark>Unknown</mark> Binary data
0x8c3f	0x101e 0x101f	PR_EMS_AB_VOICE_ MAIL_GREETINGS	<mark>Unknown</mark> Array of ASCII or Unicode string values
0x8c40	0x1102	PR_EMS_AB_VOICE_ MAIL_FLAGS	<mark>Unknown</mark> Array of Binary data values
0x8c41	0x0003	PR_EMS_AB_VOICE_ MAIL_VOLUME	<mark>Unknown</mark> Integer 32-bit signed
0x8c42	0x0003	PR_EMS_AB_VOICE_ MAIL_SPEED	<mark>Unknown</mark> Integer 32-bit signed
0x8c43	0x1003	PR_EMS_AB_VOICE_ MAIL_RECORDING_ LENGTH	<mark>Unknown</mark> Array of Integer 32-bit signed values
0x8c44	0x001e 0x001f	PR_EMS_AB_DISPLA Y_NAME_SUFFIX	<mark>Unknown</mark> ASCII or Unicode string
0x8c45	0x1102	PR_EMS_AB_ATTRI BUTE_CERTIFICATE	<mark>Unknown</mark> Array of Binary data values
0x8c46	0x1102	PR_EMS_AB_DELTA _REVOCATION_LIST	<mark>Unknown</mark> Array of Binary data values
0x8c47	0x1102	PR_EMS_AB_SECURI TY_POLICY	<mark>Unknown</mark> Array of Binary data values

Item type	Value type	Identifier	Description
0x8c48	0x000b	PR_EMS_AB_SUPPO RT_SMIME_SIGNAT URES	Unknown Boolean
0x8c49	0x000b	PR_EMS_AB_DELEG ATE_USER	Unknown Boolean
0x8c50	0x000b	PR_EMS_AB_LIST_P UBLIC_FOLDERS	Unknown Boolean
0x8c51	0x001e 0x001f	PR_EMS_AB_LABEL EDURI	Unknown ASCII or Unicode string
0x8c52	0x000b	PR_EMS_AB_RETUR N_EXACT_MSG_SIZ E	Unknown Boolean
0x8c53	0x001e 0x001f	PR_EMS_AB_GENER ATION_QUALIFIER	Unknown ASCII or Unicode string
0x8c54	0x001e 0x001f	PR_EMS_AB_HOUSE _IDENTIFIER	Unknown ASCII or Unicode string
0x8c55	0x0102	PR_EMS_AB_SUPPO RTED_ALGORITHMS	Unknown Binary data
0x8c56	0x001e 0x001f	PR_EMS_AB_DMD_N AME	Unknown ASCII or Unicode string
0x8c57	0x001e 0x001f	PR_EMS_AB_EXTEN SION_ATTRIBUTE_1 1	Unknown ASCII or Unicode string
0x8c58	0x001e 0x001f	PR_EMS_AB_EXTEN SION_ATTRIBUTE_1 2	Unknown ASCII or Unicode string
0x8c59	0x001e 0x001f	PR_EMS_AB_EXTEN SION_ATTRIBUTE_1 3	Unknown ASCII or Unicode string
0x8c60	0x001e 0x001f	PR_EMS_AB_EXTEN SION_ATTRIBUTE_1 4	Unknown ASCII or Unicode string
0x8c61	0x001e 0x001f	PR_EMS_AB_EXTEN SION_ATTRIBUTE_1 5	Unknown ASCII or Unicode string
0x8c62	0x0003	PR_EMS_AB_REPLIC ATED_OBJECT_VER SION	Unknown Integer 32-bit signed
0x8c63	0x001e 0x001f	PR_EMS_AB_MAIL_ DROP	Unknown ASCII or Unicode string
	0x001e 0x001f	PR_EMS_AB_FORW ARDING_ADDRESS	Unknown ASCII or Unicode string
0x8c65	0x0102	PR_EMS_AB_FORM_	Unknown

Item type	Value type	Identifier	Description
		DATA	Binary data
0x8c66	0x001e 0x001f	PR_EMS_AB_OWA_SERVER	Unknown ASCII or Unicode string
0x8c67	0x001e 0x001f	PR_EMS_AB_EMPLOYEE_NUMBER	Unknown ASCII or Unicode string
0x8c68	0x001e 0x001f	PR_EMS_AB_TELEPHONE_PERSONAL_PAGER	Unknown ASCII or Unicode string
0x8c69	0x001e 0x001f	PR_EMS_AB_EMPLOYEE_TYPE	Unknown ASCII or Unicode string
0x8c6a	0x1102	PR_EMS_AB_TAGGED_X509_CERT	Unknown Array of Binary data values
0x8c6b	0x001e 0x001f	PR_EMS_AB_PERSONAL_TITLE	Unknown ASCII or Unicode string
0x8c6c	0x001e 0x001f	PR_EMS_AB_LANGUAGE_ISO639	Unknown ASCII or Unicode string
0x8c6d	0x001e 0x001f	PR_EMS_AB_OBJECT_GUID	Unknown ASCII or Unicode string
0x8c8e	0x001e 0x001f	PR_EMS_AB_PHONETIC_GIVEN_NAME	Unknown ASCII or Unicode string
0x8c8f	0x001e 0x001f	PR_EMS_AB_PHONETIC_SURNAME	Unknown ASCII or Unicode string
0x8c90	0x001e 0x001f	PR_EMS_AB_PHONETIC_DEPARTMENT_NAME	Unknown ASCII or Unicode string
0x8c91	0x001e 0x001f	PR_EMS_AB_PHONETIC_COMPANY_NAME	Unknown ASCII or Unicode string
0x8c92	0x001e 0x001f	PR_EMS_AB_PHONETIC_DISPLAY_NAME	Unknown ASCII or Unicode string
0x8c96	0x001e 0x001f	PR_EMS_AB_ROOM_CONTAINERS	Unknown ASCII or Unicode string
0xe100	0x0003		Unknown Integer 32-bit signed Found in PAB file
0xe101	0x0102		Unknown Binary data

Item type	Value type	Identifier	Description
			Contains GUID Found in PAB file
0xe400	0x0003		<mark>Unknown</mark> Integer 32-bit signed Found in PAB file
0xf000	0x000d	PR_EMS_AB_OTHER _RECIPS	<mark>Unknown</mark> Embedded object
0xfff8	0x101e 0x101f	PR_EMS_AB_CHILD_ RDNS	<mark>Unknown</mark> Array of ASCII or Unicode string value
0xfff9	0x001e 0x001f	PR_EMS_AB_HIERA RCHY_PATH	<mark>Unknown</mark> ASCII or Unicode string
0xfffa	0x0102	PR_EMS_AB_OBJEC T_OID	<mark>Unknown</mark> Binary data
0xfffb	0x000b	PR_EMS_AB_IS_MAS TER	<mark>Unknown</mark> Boolean
0xfffc	0x0102	PR_EMS_AB_PAREN T_ENTRYID	<mark>Unknown</mark> Binary data See section: 6.4 The entry identifier structure (ENTRYID)
0xfffd	0x0003	PR_EMS_AB_CONTA INERID	<mark>Unknown</mark> Integer 32-bit signed
0xfffe	0x001e 0x001f	PR_EMS_AB_SERVE R	<mark>Unknown</mark> ASCII or Unicode string

3.22. Special error value (0xffff)

Item type	Value type	Identifier	Description
0xffff		PROP_ID_INVALID	Invalid property

3.23. Named properties in the name-to-id map

The MAPI defines multiple types of property names:
- The MAPI property identifiers (PR_) which contain a 16-bit item type (PidTag). These properties are also referred to as tagged properties.
- Properties identified by name, e.g. X-Originating-IP (PidName). These properties are also referred to as named properties with string identifiers.
- The MAPI long (property) identifiers (LID_) which contain a 32-bit item type (PidLid). These properties are also referred to as named properties with numerical identifiers.

In a PFF these properties are mapped to named property values using the name-to-id map.

3.23.1. Class identifiers

The name-to-id map maps properties from COM interfaces to the PFF items. The COM interfaces are identified by their class identifier (CLSID) which is formatted as a GUID.

Class identifier	Interface
00020300-0000-0000-c000-000000000046	(IID_IMAPISession)
00020301-0000-0000-c000-000000000046	(IID_IMAPITable)
00020302-0000-0000-c000-000000000046	(IID_IMAPIAdviseSink)
00020303-0000-0000-c000-000000000046	(IID_IMAPIProp)
00020304-0000-0000-c000-000000000046	(IID_IProfSect)
00020305-0000-0000-c000-000000000046	(IID_IMAPIStatus)
00020306-0000-0000-c000-000000000046	(IID_IMsgStore)
00020307-0000-0000-c000-000000000046	(IID_IMessage)
00020308-0000-0000-c000-000000000046	(IID_IAttachment)
00020309-0000-0000-c000-000000000046	(IID_IAddrBook)
0002030a-0000-0000-c000-000000000046	(IID_IMailUser)
0002030b-0000-0000-c000-000000000046	(IID_IMAPIContainer)
0002030c-0000-0000-c000-000000000046	(IID_IMAPIFolder)
0002030d-0000-0000-c000-000000000046	(IID_IABContainer)
0002030e-0000-0000-c000-000000000046	(IID_IDistList)
0002030f-0000-0000-c000-000000000046	(IID_IMAPISup)
00020310-0000-0000-c000-000000000046	(IID_IMSProvider)
00020311-0000-0000-c000-000000000046	(IID_IABProvider)
00020312-0000-0000-c000-000000000046	(IID_IXPProvider)
00020313-0000-0000-c000-000000000046	(IID_IMSLogon)
00020314-0000-0000-c000-000000000046	(IID_IABLogon)
00020315-0000-0000-c000-000000000046	(IID_IXPLogon)
00020316-0000-0000-c000-000000000046	(IID_IMAPITableData)
00020317-0000-0000-c000-000000000046	(IID_IMAPISpoolerInit)
00020318-0000-0000-c000-000000000046	(IID_IMAPISpoolerSession)
00020319-0000-0000-c000-000000000046	(IID_ITNEF)
0002031a-0000-0000-c000-000000000046	(IID_IMAPIPropData)
0002031b-0000-0000-c000-000000000046	(IID_IMAPIControl)
0002031c-0000-0000-c000-000000000046	(IID_IProfAdmin)
0002031d-0000-0000-c000-000000000046	(IID_IMsgServiceAdmin)
0002031e-0000-0000-c000-000000000046	(IID_IMAPISpoolerService)

Class identifier	Interface
0002031f-0000-0000-c000-000000000046	(IID_IMAPIProgress)
00020320-0000-0000-c000-000000000046	(IID_ISpoolerHook)
00020321-0000-0000-c000-000000000046	(IID_IMAPIViewContext)
00020322-0000-0000-c000-000000000046	(IID_IMAPIFormMgr)
00020323-0000-0000-c000-000000000046	(IID_IEnumMAPIFormProp)
00020324-0000-0000-c000-000000000046	(IID_IMAPIFormInfo)
00020325-0000-0000-c000-000000000046	(IID_IProviderAdmin)
00020327-0000-0000-c000-000000000046	(IID_IMAPIForm)
00020328-0000-0000-c000-000000000046	MAPI (PS_MAPI)
00020329-0000-0000-c000-000000000046	Public stings (PS_PUBLIC_STRINGS)
0002032a-0000-0000-c000-000000000046	(IID_IPersistMessage)
0002032b-0000-0000-c000-000000000046	(IID_IMAPIViewAdviseSink)
0002032c-0000-0000-c000-000000000046	(IID_IStreamDocfile)
0002032d-0000-0000-c000-000000000046	(IID_IMAPIFormProp)
0002032e-0000-0000-c000-000000000046	(IID_IMAPIFormContainer)
0002032f-0000-0000-c000-000000000046	(IID_IMAPIFormAdviseSink)
00020330-0000-0000-c000-000000000046	(IID_IStreamTnef)
00020350-0000-0000-c000-000000000046	(IID_IMAPIFormFactory)
00020370-0000-0000-c000-000000000046	(IID_IMAPIMessageSite)
00020380-0000-0000-c000-000000000046	(PS_ROUTING_EMAIL_ADDRESSES)
00020381-0000-0000-c000-000000000046	(PS_ROUTING_ADDRTYPE)
00020382-0000-0000-c000-000000000046	(PS_ROUTING_DISPLAY_NAME)
00020383-0000-0000-c000-000000000046	(PS_ROUTING_ENTRYID)
00020384-0000-0000-c000-000000000046	(PS_ROUTING_SEARCH_KEY)
00020385-0000-0000-c000-000000000046	(MUID_PROFILE_INSTANCE)
00020386-0000-0000-c000-000000000046	Internet headers (PS_INTERNET_HEADERS)
00020387-0000-0000-c000-000000000046 - 000203ff-0000-0000-c000-000000000046	Reserved for MAPI use
0002038a-0000-0000-c000-000000000046	(IID_IMessageRaw)

Class identifier	Interface
00062000-0000-0000-c000-000000000046	Unknown
00062002-0000-0000-c000-000000000046	Appointment (PSETID_Appointment)
00062003-0000-0000-c000-000000000046	Task (PSETID_Task)
00062004-0000-0000-c000-000000000046	Address (PSETID_Address)
00062008-0000-0000-c000-000000000046	Common (PSETID_Common)
0006200a-0000-0000-c000-000000000046	Journal (PSETID_Log)
0006200b-0000-0000-c000-000000000046	Unknown
0006200e-0000-0000-c000-000000000046	Sticky note (PSETID_Note)
00062013-0000-0000-c000-000000000046	Unknown
00062014-0000-0000-c000-000000000046	Unknown
00062040-0000-0000-c000-000000000046	Sharing (PSETID_Sharing)
00062041-0000-0000-c000-000000000046	RSS feed (PSETID_PostRSS)
29f3ab52-554d-11d0-a97c-00a0c911f50a	Unknown
29f3ab53-554d-11d0-a97c-00a0c911f50a	Unknown
29f3ab55-554d-11d0-a97c-00a0c911f50a	Unknown
29f3ab56-554d-11d0-a97c-00a0c911f50a	Unknown
29f3ab60-554d-11d0-a97c-00a0c911f50a	Unknown
41564737-3200-10a1-989b-0000e87b4fb1	Unknown
4442858e-a9e3-4e80-b900-317a210cc15b	Unified messaging (PSETID_UnifiedMessaging)
49691c90-7e17-101a-a91c-08002b2ecda9	Unknown
4e3a7680-b77a-11d0-9da5-00c04fd65685	Unknown

Class identifier	Interface
6ed8da90-450b-101b-98da-00aa003f1305	Calendar (PSETID_Meeting)
71035549-0739-4dcb-9163-00f0580dbbdf	Air Sync (PSETID_AirSync)
94faef10-f947-11d0-800e-00a0c90dc8db	<mark>Unknown</mark>
96357f7f-59e1-47d0-99a7-46515c183b54	Attachment (PSETID_Attachment)
a417bc12-7be1-11ce-ad82-00aa006ec559	<mark>Unknown</mark>
b725f130-47ef-101a-a5f1-02608c9eebac	<mark>Unknown</mark>
c671a7cb-d1a9-47cb-8c1e-c978c8c69f94	<mark>Unknown</mark>

A certain property set is defined for these interfaces.

<mark>TODO</mark>

```
Class identifier: 20     : 560c36c0-503a-11cf-baa1-00004c752a9a (Unknown)
Class identifier: 21     : c82bf596-b831-11d0-b733-00aa00a1ebd2 (Unknown)
Class identifier: 22     : 0b63e350-9ccc-11d0-bcdb-00805fccce04 (Unknown)
Class identifier: 23     : 0b63e343-9ccc-11d0-bcdb-00805fccce04 (Unknown)
Class identifier: 24     : d1b5d3f0-c0b3-11cf-9a92-00a0c908dbf1 (Unknown)
Class identifier: 25     : 70eb7a10-55d9-11cf-b75b-00aa0051fe20 (Unknown)
Class identifier: 26     : 31f400a0-fd07-11cf-b9bd-00aa003db18e (Unknown)
Class identifier: 27     : f29f85e0-4ff9-1068-ab91-08002b27b3d9 (Unknown)
Class identifier: 28     : d5cdd502-2e9c-101b-9397-08002b2cf9ae (Unknown)

Class identifier: 10 : 11000e07-b51b-40d6-af21-caa85edab1d0 (Unknown)
Class identifier: 11 : 0006200b-0000-0000-c000-000000000046 (Unknown)
Class identifier: 12 : 29f3ab56-554d-11d0-a97c-00a0c911f50a (Unknown)
Class identifier: 13 : 4e3a7680-b77a-11d0-9da5-00c04fd65685 (Unknown)
Class identifier: 15 : 00062013-0000-0000-c000-000000000046 (Unknown)
Class identifier: 16 : 94faef10-f947-11d0-800e-00a0c90dc8db (Unknown)

Class identifier: 21 : b725f130-47ef-101a-a5f1-02608c9eebac (Unknown)
Class identifier: 22 : 49691c90-7e17-101a-a91c-08002b2ecda9 (Unknown)
Class identifier: 23 : 560c36c0-503a-11cf-baa1-00004c752a9a (Unknown)
Class identifier: 24 : c82bf596-b831-11d0-b733-00aa00a1ebd2 (Unknown)
Class identifier: 25 : 0b63e350-9ccc-11d0-bcdb-00805fccce04 (Unknown)
Class identifier: 26 : 0b63e343-9ccc-11d0-bcdb-00805fccce04 (Unknown)
Class identifier: 27 : d1b5d3f0-c0b3-11cf-9a92-00a0c908dbf1 (Unknown)
Class identifier: 28 : 70eb7a10-55d9-11cf-b75b-00aa0051fe20 (Unknown)
Class identifier: 29 : 31f400a0-fd07-11cf-b9bd-00aa003db18e (Unknown)
Class identifier: 30 : f29f85e0-4ff9-1068-ab91-08002b27b3d9 (Unknown)
Class identifier: 31 : d5cdd502-2e9c-101b-9397-08002b2cf9ae (Unknown)

Class identifier: 03     : 00062014-0000-0000-c000-000000000046 (Unknown)
Class identifier: 10     : 11000e07-b51b-40d6-af21-caa85edab1d0 (Unknown)
Class identifier: 11     : 0006200b-0000-0000-c000-000000000046 (Unknown)
```

```
Class identifier: 13   : 00062013-0000-0000-c000-000000000046 (Unknown)
Class identifier: 14   : 4e3a7680-b77a-11d0-9da5-00c04fd65685 (Unknown)
Class identifier: 15   : 94faef10-f947-11d0-800e-00a0c90dc8db (Unknown)

Class identifier: 21   : b725f130-47ef-101a-a5f1-02608c9eebac (Unknown)
Class identifier: 22   : 49691c90-7e17-101a-a91c-08002b2ecda9 (Unknown)
Class identifier: 23   : 560c36c0-503a-11cf-baa1-00004c752a9a (Unknown)
Class identifier: 24   : c82bf596-b831-11d0-b733-00aa00a1ebd2 (Unknown)
Class identifier: 25   : 0b63e350-9ccc-11d0-bcdb-00805fccce04 (Unknown)
Class identifier: 26   : 0b63e343-9ccc-11d0-bcdb-00805fccce04 (Unknown)
Class identifier: 27   : d1b5d3f0-c0b3-11cf-9a92-00a0c908dbf1 (Unknown)
Class identifier: 28   : 70eb7a10-55d9-11cf-b75b-00aa0051fe20 (Unknown)
Class identifier: 29   : 31f400a0-fd07-11cf-b9bd-00aa003db18e (Unknown)
Class identifier: 30   : f29f85e0-4ff9-1068-ab91-08002b27b3d9 (Unknown)
Class identifier: 31   : d5cdd502-2e9c-101b-9397-08002b2cf9ae (Unknown)
```

3.23.2. Calendar property set (0x0000000 - 0x00000ff)

Named properties mapped to the Calendar interface GUID: 6ed8da90-450b-101b-98da-00aa003f1305.

Item type	Value type	Identifier	Description
0x00000001	0x0040	LID_ATTENDEE_CRITICAL_CHANGE (PidLidAttendeeCriticalChange)	Attendee critical change Filetime
0x00000002	0x001e 0x001f	LID_WHERE (PidLidWhere)	Location ASCII or Unicode string
0x00000003	0x0102	LID_GLOBAL_OBJID (PidLidGlobalObjectId)	Global object identifier Binary data
0x00000004	0x000b	LID_IS_SILENT (PidLidIsSilent)	Is silent Boolean
0x00000005	0x000b	PidLidIsRecurring (LID_IS_RECURRING)	Is recurring Boolean Specifies whether or not the object is associated with a recurring series.
0x00000006	0x001e 0x001f	LID_REQUIRED_ATTENDEES (PidLidRequiredAttendees)	Required attendees ASCII or Unicode string
0x00000007	0x001e 0x001f	LID_OPTIONAL_ATTENDEES (PidLidOptionalAttendees)	Optional attendees ASCII or Unicode string
0x00000008	0x001e 0x001f	LID_RESOURCE_ATTENDEES (PidLidResourceAttendees)	Resource attendees ASCII or Unicode string

Item type	Value type	Identifier	Description
0x00000009	0x000b	LID_DELEGATE_MAIL (PidLidDelegateMail)	Delegate mail Boolean
0x0000000a	0x000b	LID_IS_EXCEPTION (PidLidIsException)	Is exception Boolean
0x0000000b	0x000b	LID_SINGLE_INVITE (PidLidSingleInvite)	Single invite Boolean
0x0000000c	0x0003	LID_TIME_ZONE (PidLidTimeZone)	Time zone Integer 32-bit signed
0x00000011	0x0002	LID_DAY_INTERVAL (PidLidDayInterval)	Day interval Integer 16-bit signed
0x00000012	0x0002	LID_WEEK_INTERVAL (PidLidWeekInterval)	Week interval Integer 16-bit signed
0x00000013	0x0002	LID_MONTH_INTERVAL (PidLidMonthInterval)	Month interval Integer 16-bit signed
0x00000014	0x0002	LID_YEAR_INTERVAL (PidLidYearInterval)	Year interval Integer 16-bit signed
0x0000001a	0x0040	LID_OWNER_CRITICAL_CHANGE (PidLidOwnerCriticalChange)	Owner critical change Filetime
0x0000001c	0x0003	LID_CALENDAR_TYPE (PidLidCalendarType)	Calendar type Integer 32-bit signed
0x0000001d	0x001e 0x001f	LID_ALL_ATTENDEES_LIST (PidLidAllAttendeesList)	Resource attendees ASCII or Unicode string
0x00000021	0x0003		Unknown Integer 32-bit signed
0x00000023	0x0102	PidLidCleanGlobalObjId	Clean global object identifier Binary data
0x00000024	0x001e	PidLidApptMessageCla	Appointment message class

Item type	Value type	Identifier	Description
	0x001f	ss	==ASCII== or Unicode string
0x00000026	0x0003	PidLidMeetingType	Meeting type Integer 32-bit signed
0x00000028	==0x001e== 0x001f	PidLidOldLocation	Location before update ==ASCII== or Unicode string
0x00000029	0x0040	PidLidOldWhenStartW hole	Start time before update Filetime
0x0000002a	0x0040	PidLidOldWhenEndW hole	End time before update Filetime

3.23.3. Address property set (0x0008000 - 0x00080ff)

Named properties mapped to the Address interface GUID: 00062004-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008002	0x001e ==0x001f==	PidLidYomiCompanyN ame	==Unknown== ASCII ==or Unicode== string
0x00008005	0x001e ==0x001f==	PidLidFileUnder	File under ASCII ==or Unicode== string ==FTK: File as==
0x00008006	0x0003	PidLidFileUnderID	==File under identifier== Integer 32-bit signed
0x00008007	0x1003	PidLidContactItemData	==Unknown== Array of Integer 32-bit signed values
0x0000800e	0x001e ==0x001f==		==Unknown== ASCII ==or Unicode== string
0x00008010	0x001e ==0x001f==	PidLidDepartment	==Unknown== ASCII ==or Unicode== string
0x00008015	0x000b	PidLidHasPicture	==Unknown== Boolean
0x0000801a	0x001e ==0x001f==	PidLidHomeAddress	Home Address ASCII ==or Unicode== string
0x0000801b	0x001e	PidLidWorkAddress	Business Address

Item type	Value type	Identifier	Description
	0x001f		ASCII or Unicode string
0x0000801c	0x001e 0x001f	PidLidOtherAddress	Other Address ASCII or Unicode string
0x00008022	0x001e 0x001f	PidLidPostalAddressId	Selected Mailing Address ASCII or Unicode string
0x00008023	0x0003	PidLidContactCharacterSet	Unknown Integer 32-bit signed
0x00008025	0x000b	PidLidAutoLog	Journal Boolean
0x00008026	0x1003	PidLidFileUnderList	Unknown Array of Integer 32-bit signed values
0x00008027	0x1003	PidLidEmailList	Unknown Array of Integer 32-bit signed values
0x00008028	0x1003	PidLidAddressBookProviderEmailList	Unknown Array of Integer 32-bit signed values
0x00008029	0x0003	PidLidAddressBookProviderArrayType	Unknown Integer 32-bit signed
0x0000802b	0x001e 0x001f	PidLidHtml	Webpage ASCII or Unicode string
0x0000802c	0x001e 0x001f	PidLidYomiFirstName	Unknown ASCII or Unicode string
0x0000802d	0x001e 0x001f	PidLidYomiLastName	Unknown ASCII or Unicode string
0x00008040	0x0102	PidLidBusinessCardDisplayDefinition	Unknown Binary data
0x00008041	0x0102	PidLidBusinessCardCardPicture	Unknown Binary data
0x00008045	0x001e 0x001f	PidLidWorkAddressStreet	Business Address City ASCII or Unicode string
0x00008046	0x001e 0x001f	PidLidWorkAddressCity	Business Address Street ASCII or Unicode string
0x00008047	0x001e 0x001f	PidLidWorkAddressState	Business Address State ASCII or Unicode string
0x00008048	0x001e 0x001f	PidLidWorkAddressPostalCode	Business Address Postal Code ASCII or Unicode string

Item type	Value type	Identifier	Description
0x00008049	0x001e 0x001f	PidLidWorkAddressCountry	Business Address Country ASCII or Unicode string
0x0000804a	0x001e 0x001f	PidLidWorkAddressPostOfficeBox	Unknown ASCII or Unicode string
0x0000804c	0x0003	PidLidDistributionListChecksum	Unknown Integer 32-bit signed
0x0000804d	0x0102	PidLidBirthdayEventEntryId	Unknown Binary data
0x0000804e	0x0102	PidLidAnniversaryEventEntryId	Unknown Binary data
0x0000804f	0x001e 0x001f	PidLidContactUserField1	Unknown ASCII or Unicode string
0x00008050	0x001e 0x001f	PidLidContactUserField2	Unknown ASCII or Unicode string
0x00008051	0x001e 0x001f	PidLidContactUserField3	Unknown ASCII or Unicode string
0x00008052	0x001e 0x001f	PidLidContactUserField4	Unknown ASCII or Unicode string
0x00008053	0x001e 0x001f	PidLidDistributionListName	Unknown ASCII or Unicode string
0x00008054	0x1102	PidLidDistributionListOneOffMembers	Unknown Array of Binary data values
0x00008055	0x1102	PidLidDistributionListMembers	Unknown Array of Binary data values
0x00008062	0x001e 0x001f	PidLidInstantMessagingAddress	IM Address ASCII or Unicode string
0x00008080	0x001e 0x001f	PidLidEmail1DisplayName	E-mail1 Display Name ASCII or Unicode string
0x00008081	0x0102	PidLidEmail1EntryId	E-mail1 entry identifier Binary Data
0x00008082	0x001e 0x001f	PidLidEmail1AddressType	E-mail1 Address Type ASCII or Unicode string
0x00008083	0x001e 0x001f	PidLidEmail1EmailAddress	E-mail1 Address ASCII or Unicode string
0x00008084	0x001e 0x001f	PidLidEmail1OriginalDisplayName	E-mail1 Display Name ASCII or Unicode string
0x00008085	0x0102	PidLidEmail1OriginalEntryId	E-mail1 original entry identifier Binary Data

Item type	Value type	Identifier	Description
0x00008087	0x001e 0x001f	PidLidEmail1EmailType	E-mail1 type ASCII or Unicode string
0x00008090	0x001e 0x001f	PidLidEmail2DisplayName	E-mail2 display name ASCII or Unicode string
0x00008091	0x0102	PidLidEmail2EntryId	E-mail2 entry identifier Binary Data
0x00008092	0x001e 0x001f	PidLidEmail2AddressType	E-mail2 address type ASCII or Unicode string
0x00008093	0x001e 0x001f	PidLidEmail2EmailAddress	E-mail2 e-mail address ASCII or Unicode string
0x00008094	0x001e 0x001f	PidLidEmail2OriginalDisplayName	E-mail2 original display name ASCII or Unicode string
0x00008095	0x0102	PidLidEmail2OriginalEntryId	E-mail2 original entry identifier Binary Data
0x000080a0	0x001e 0x001f	PidLidEmail3DisplayName	E-mail3 display name ASCII or Unicode string
0x000080a1	0x0102	PidLidEmail3EntryId	E-mail3 entry identifier Binary Data
0x000080a2	0x001e 0x001f	PidLidEmail3AddressType	E-mail3 address type ASCII or Unicode string
0x000080a3	0x001e 0x001f	PidLidEmail3EmailAddress	E-mail3 e-mail address ASCII or Unicode string
0x000080a4	0x001e 0x001f	PidLidEmail3OriginalDisplayName	E-mail3 original display name ASCII or Unicode string
0x000080a5	0x0102	PidLidEmail3OriginalEntryId	E-mail3 original entry identifier Binary Data
0x000080b2	0x001e 0x001f	PidLidFax1AddressType	Fax1 Address Type ASCII or Unicode string
0x000080b3	0x001e 0x001f	PidLidFax1EmailAddress	Fax1 Email Address ASCII or Unicode string
0x000080b4	0x001e 0x001f	PidLidFax1OriginalDisplayName	Fax1 Original Display Name ASCII or Unicode string
0x000080b5	0x0102	PidLidFax1OriginalEntryId	Fax1 Original Entry ID Binary data
0x000080c2	0x001e 0x001f	PidLidFax2AddressType	Fax2 Address Type ASCII or Unicode string

Item type	Value type	Identifier	Description
0x000080c3	0x001e 0x001f	PidLidFax2EmailAddress	Fax2 Email Address ASCII or Unicode string
0x000080c4	0x001e 0x001f	PidLidFax2OriginalDisplayName	Fax2 Original Display Name ASCII or Unicode string
0x000080c5	0x0102	PidLidFax2OriginalEntryId	Fax2 Original Entry ID Binary data
0x000080d2	0x001e 0x001f	PidLidFax3AddressType	Fax3 Address Type ASCII or Unicode string
0x000080d3	0x001e 0x001f	PidLidFax3EmailAddress	Fax3 Email Address ASCII or Unicode string
0x000080d4	0x001e 0x001f	PidLidFax3OriginalDisplayName	Fax3 Original Display Name ASCII or Unicode string
0x000080d5	0x0102	PidLidFax3OriginalEntryId	Fax3 Original Entry ID Binary data
0x000080d8	0x001e 0x001f	PidLidFreeBusyLocation	Unknown ASCII or Unicode string
0x000080da	0x001e 0x001f	PidLidHomeAddressCountryCode	Unknown ASCII or Unicode string
0x000080db	0x001e 0x001f	PidLidWorkAddressCountryCode	Unknown ASCII or Unicode string
0x000080dc	0x001e 0x001f	PidLidOtherAddressCountryCode	Unknown ASCII or Unicode string
0x000080dd	0x001e 0x001f	PidLidAddressCountryCode	Unknown ASCII or Unicode string

3.23.4. Task property set (0x0008100 - 0x00081ff)

Named properties mapped to the Task interface GUID: 00062003-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008101	0x0003	PidLidTaskStatus	Status Integer 32-bit signed 0x0 => Not started [TODO]
0x00008102	0x0005	PidLidPercentComplete	Percent Complete Floating point double precision (64-bit)
0x00008103	0x000b	PidLidTeamTask	Is team task Boolean

Item type	Value type	Identifier	Description
0x00008104	0x0040	PidLidTaskStartDate	Start date Filetime
0x00008105	0x0040	PidLidTaskDueDate	Due date Filetime
0x00008107	0x000b	PidLidTaskResetReminder	<mark>Unknown</mark> Boolean
0x00008108	0x000b	PidLidTaskAccepted	<mark>Unknown</mark> Boolean
0x00008109	0x000b	PidLidTaskDeadOccurrence	<mark>Unknown</mark> Boolean
0x0000810f	0x0040	PidLidTaskDateCompleted	Date completed Filetime
0x00008110	0x0003	PidLidTaskActualEffort	Actual effort in minutes Integer 32-bit signed
0x00008111	0x0003	PidLidTaskEstimatedEffort	Total effort in minutes Integer 32-bit signed
0x00008112	0x0003	PidLidTaskVersion	Task version Integer 32-bit signed <mark>FTK: Access count</mark>
0x00008113	0x0003	PidLidTaskState	<mark>Unknown</mark> Integer 32-bit signed
0x00008115	0x0040	PidLidTaskLastUpdate	<mark>Unknown</mark> Filetime
0x00008116	0x0102	PidLidTaskRecurrence	<mark>Unknown</mark> Binary data
0x00008117	0x0102	PidLidTaskAssigners	<mark>Unknown</mark> Binary data
0x00008119	0x000b	PidLidTaskStatusOnComplete	<mark>Unknown</mark> Boolean
0x0000811a	0x0003	PidLidTaskHistory	<mark>Unknown</mark> Integer 32-bit signed
0x0000811b	0x000b	PidLidTaskUpdates	<mark>Unknown</mark> Boolean
0x0000811c	0x000b	PidLidTaskComplete	Complete Boolean
0x0000811e	0x000b	PidLidTaskFCreator	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
			Boolean
0x0000811f	0x001e 0x001f	PidLidTaskOwner	Owner ASCII or Unicode string
0x00008120	0x0003	PidLidTaskMultipleRecipients	Unknown Integer 32-bit signed
0x00008121	0x001e 0x001f	PidLidTaskAssigner	Delegator ASCII or Unicode string
0x00008122	0x001e 0x001f	PidLidTaskLastUser	Unknown ASCII or Unicode string
0x00008123	0x0003	PidLidTaskOrdinal	Ordinal Integer 32-bit signed
0x00008124	0x000b	PidLidTaskNoCompute	Unknown Boolean
0x00008125	0x001e 0x001f	PidLidTaskLastDelegate	Unknown ASCII or Unicode string
0x00008126	0x000b	PidLidTaskFRecurring	Is recurring Boolean
0x00008127	0x001e 0x001f	PidLidTaskRole	Role ASCII or Unicode string
0x00008129	0x0003	PidLidTaskOwnership	Ownership Integer 32-bit signed
0x0000812a	0x0003	PidLidAcceptanceState	Delegation State Integer 32-bit signed
0x0000812c	0x000b	PidLidTaskFFixOffline	Unknown Boolean

3.23.5. Appointment property set (0x0008200 - 0x00082ff)

Named properties mapped to the Appointment interface GUID: 00062002-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008200	0x000b	PidLidSendMeetingAsIcal	Send As ICAL Boolean Specifies if a meeting request should be sent as an iCal message.
0x00008201	0x0003	PidLidAppointmentSequence	Appointment sequence Integer 32-bit signed Specifies a bit field that describes the state of the object.

Item type	Value type	Identifier	Description
			See section: 4.31 Appointment sequence definitions
0x00008202	0x0040	PidLidAppointmentSequenceTime	Appointment sequence last modification date and time Filetime Specifies the date and time at which this property was last modified.
0x00008203	0x0003	PidLidAppointmentLastSequence	Appointment last sequence number Integer 32-bit signed Indicates to the organizer the last sequence number that was sent to any attendee.
0x00008204	0x0003	PidLidChangeHighlight	Unknown Integer 32-bit signed
0x00008205	0x0003	PidLidBusyStatus	Busy Status Integer 32-bit signed 0x02 => Show time as busy [TODO]
0x00008206	0x000b	PidLidFExceptionalBody	Unknown Boolean
0x00008207	0x0003	PidLidAppointmentAuxiliaryFlags	Unknown Integer 32-bit signed
0x00008208	0x001e 0x001f	PidLidLocation	Location ASCII or Unicode string Represents the location of an appointment.
0x00008209	0x001e 0x001f	PidLidMeetingWorkspaceUrl	Unknown ASCII or Unicode string
0x0000820a	0x000b	PidLidForwardInstance	Unknown Boolean
0x0000820c	0x1102	PidLidLinkedTaskItems	Unknown Array of Binary data values
0x0000820d	0x0040	PidLidAppointmentStartWhole	Start time Filetime
0x0000820e	0x0040	PidLidAppointmentEndWhole	End time Filetime
0x0000820f	0x0040		Unknown Filetime
0x00008210	0x0040		Unknown Filetime
0x00008211	0x0040		Unknown Filetime

Item type	Value type	Identifier	Description
0x00008212	0x0040		Unknown Filetime
0x00008213	0x0003	PidLidAppointmentDuration	Duration in minutes Integer 32-bit signed Represents the length of time, in minutes, when an appointment is scheduled.
0x00008214	0x0003	PidLidAppointmentColor	Color Integer 32-bit signed Specifies the color to use when displaying the calendar. See section: 4.32 Appointment color definitions FTK: Label
0x00008215	0x0003		Unknown Integer 32-bit signed
	0x000b	PidLidAppointmentSubType	Sub type Boolean [TODO] FTK: All Day Event
0x00008216	0x0102	PidLidAppointmentRecur	Unknown Binary data
0x00008217	0x0003	PidLidAppointmentStateFlags	Meeting status Integer 32-bit signed [TODO definitions]
0x00008218	0x0003	PidLidResponseStatus	Response status Integer 32-bit signed [TODO definitions]
0x00008220	0x0040	PidLidAppointmentReplyTime	Unknown Filetime
0x00008223	0x0003		Unknown Integer 32-bit signed
	0x000b	PidLidRecurring (PR_RECURRING)	Is recurrent Boolean Specifies whether an appointment message is recurrent.
0x00008224	0x0003	PidLidIntendedBusyStatus	Unknown Integer 32-bit signed
0x00008228	0x0040	PidLidExceptionReplaceTime	Recurrence base Filetime
0x00008229	0x0003		Unknown

Item type	Value type	Identifier	Description
			Integer 32-bit signed
	0x000b	PidLidFInvited	Unknown Boolean
0x0000822b	0x000b	PidLidFExceptionalAttendees	Unknown Boolean
0x00008230	0x001e 0x001f	PidLidAppointmentReplyName	Unknown ASCII or Unicode string
0x00008231	0x0003	PidLidRecurrenceType	Recurrence Type Integer 32-bit signed
0x00008232	0x001e 0x001f	PidLidRecurrencePattern	Recurrence Pattern ASCII or Unicode string
0x00008233	0x0102	PidLidTimeZoneStruct	Unknown Binary data
0x00008234	0x001e 0x001f	PidLidTimeZoneDescription	Time zone ASCII or Unicode string
0x00008235	0x0040	PidLidClipStart	First effective time Filetime
0x00008236	0x0040	PidLidClipEnd	Last effective time Filetime
0x00008237	0x0102	PidLidOriginalStoreEntryId	Unknown Binary data
0x00008238	0x001e 0x001f	PidLidAllAttendeesString	All Attendees ASCII or Unicode string
0x0000823a	0x000b	PidLidAutoFillLocation	Unknown Boolean
0x0000823b	0x001e 0x001f	PidLidToAttendeesString	To Attendees ASCII or Unicode string
0x0000823c	0x001e 0x001f	PidLidCcAttendeesString	CC Attendees ASCII or Unicode string
0x0000823d	0x0003	PidLidAppointmentUnsendableRecipients	Unknown Integer 32-bit signed
0x00008240	0x000b	PidLidConferencingCheck	Is an online meeting Boolean
0x00008241	0x0003	PidLidConferencingType	Net meeting type Integer 32-bit signed
0x00008242	0x001e 0x001f	PidLidDirectory	Net meeting server ASCII or Unicode string

Item type	Value type	Identifier	Description
0x00008243	0x001e 0x001f	PidLidOrganizerAlias	Net meeting organizer alias ASCII or Unicode string
0x00008244	0x000b	PidLidAutoStartCheck	Net meeting auto start Boolean
0x00008245	0x0003	PidLidAutoStartWhen	Unknown Integer 32-bit signed
0x00008246	0x000b	PidLidAllowExternalCheck	Conference server allow external Boolean
0x00008247	0x001e 0x001f	PidLidCollaborateDoc	Net meeting document path name ASCII or Unicode string
0x00008248	0x001e 0x001f	PidLidNetShowUrl	Net show URL ASCII or Unicode string
0x00008249	0x001e 0x001f	PidLidOnlinePassword	Conference server password ASCII or Unicode string
0x00008250	0x0040	PidLidAppointmentProposedStartWhole	Unknown Filetime
0x00008251	0x0040	PidLidAppointmentProposedEndWhole	Unknown Filetime
0x00008256	0x0003	PidLidAppointmentProposedDuration	Unknown Integer 32-bit signed
0x00008257	0x000b	PidLidAppointmentCounterProposal	Appointment counter proposal Boolean
0x00008259	0x0003	PidLidAppointmentProposalNumber	Unknown Integer 32-bit signed
0x0000825a	0x000b	PidLidAppointmentNotAllowPropose	Unknown Boolean
0x0000825e	0x0102	PidLidAppointmentTimeZoneDefinitionStartDisplay	Appointment start time time zone Binary data
0x0000825f	0x0102	PidLidAppointmentTimeZoneDefinitionEndDisplay	Appointment end time time zone Binary data
0x00008260	0x0102	PidLidAppointmentTimeZoneDefinitionRecur	Unknown Binary data

3.23.6. Common property set (0x0008500 - 0x00085ff)

Named properties mapped to the Common interface GUID: 00062008-0000-0000-c000-000000000046

Item type	Value type	Identifier	Description
0x00008570	0x0003		Unknown Integer 32-bit signed
0x00008501	0x0003	PidLidReminderDelta	Reminder minutes before start Integer 32-bit signed Specifies the interval, in minutes, between the time when the reminder first becomes overdue and the start time of the calendar object.
0x00008502	0x0040	PidLidReminderTime	Reminder time Filetime Specifies the initial signal time for a reminder.
0x00008503	0x0003		Unknown Integer 32-bit signed
	0x000b	PidLidReminderSet	Is reminder Boolean Specifies whether a reminder is set on the object.
0x00008506	0x0003		Unknown Integer 32-bit signed
	0x000b	PidLidPrivate	Is private Boolean Indicates whether the end-user wants this message object hidden from other users who have access to the message object.
0x0000850e	0x000b	PidLidAgingDontAgeMe	No aging Boolean Specifies a value of TRUE if the item will not be automatically archived.
0x00008510	0x0003	PidLidSideEffects	Unknown Integer 32-bit signed
0x00008514	0x000b	PidLidSmartNoAttach	Unknown Boolean

Item type	Value type	Identifier	Description
0x00008516	0x0040	PidLidCommonStart	Common start time Filetime
0x00008517	0x0040	PidLidCommonEnd	Common end time Filetime
0x00008518	0x0003	PidLidTaskMode	Unknown Integer 32-bit signed
0x00008519	0x0102	PidLidTaskGlobalId	Unknown Binary data
0x0000851a	0x0003	PidLidAutoProcessState	Unknown Integer 32-bit signed
0x0000851c	0x000b	PidLidReminderOverride	Unknown Boolean
0x0000851d	0x0003	PidLidReminderType	Unknown Integer 32-bit signed
0x0000851e	0x000b	PidLidReminderPlaySound	Unknown Boolean
0x0000851f	0x001e 0x001f	PidLidReminderFileParameter	Reminder sound filename ASCII or Unicode string Specifies the filename of the sound that a client should play when the reminder for that object becomes overdue.
0x00008520	0x0102	PidLidVerbStream	Unknown Binary data
0x00008524	0x001e 0x001f	PidLidVerbResponse	Unknown ASCII or Unicode string
0x00008530	0x001e 0x001f	PidLidFlagRequest	Unknown ASCII or Unicode string
0x00008534	0x001e 0x001f	PidLidMileage	Mileage ASCII or Unicode string
0x00008535	0x001e 0x001f	PidLidBillingInformation	Billing Information ASCII or Unicode string
0x00008536	0x001e 0x001f	PidLidNonSendtableTo	Unknown ASCII or Unicode string
0x00008537	0x001e 0x001f	PidLidNonSendableCc	Unknown ASCII or Unicode string
0x00008538	0x001e 0x001f	PidLidNonSendableBcc	Unknown ASCII or Unicode string

Item type	Value type	Identifier	Description
0x00008539	0x101e 0x101f	PidLidCompanies	Companies Array of ASCII or Unicode string values
0x0000853a	0x101e 0x101f	PidLidContacts	Contacts Array of ASCII or Unicode string values
0x00008543	0x1003	PidLidNonSendToTrackStatus	Unknown Array of Integer 32-bit signed values
0x00008544	0x1003	PidLidNonSendCcTrackStatus	Unknown Array of Integer 32-bit signed values
0x00008545	0x1003	PidLidNonSendBccTrackStatus	Unknown Array of Integer 32-bit signed values
0x00008552	0x0003	PidLidCurrentVersion	Outlook Internal Version Integer 32-bit signed
0x00008554	0x001e 0x001f	PidLidCurrentVersionName	Outlook Version ASCII or Unicode string
0x00008560	0x0040	PidLidReminderSignalTime	Reminder signal time Filetime
0x00008580	0x001e 0x001f	PidLidInternetAccountName	Unknown ASCII or Unicode string
0x00008581	0x001e 0x001f	PidLidInternetAccountStamp	Unknown ASCII or Unicode string
0x00008582	0x000b	PidLidUseTnef	Use TNEF Boolean Specifies whether Transport Neutral Encapsulation Format (TNEF) should be included on a message when that message is converted from MAPI to Multipurpose Internet Mail Extensions (MIME) or Simple Mail Transfer Protocol (SMTP) format.
0x00008583	0x001e 0x001f		Unknown ASCII or Unicode string Contains the value of the SPAN class definition in the RTF body
0x00008584	0x0102	PidLidContactLinkSearchKey	Unknown Binary data
0x00008585	0x0102	PidLidContactLinkEntry	Unknown Binary data

Item type	Value type	Identifier	Description
0x00008586	0x001e 0x001f	PidLidContactLinkName	Unknown ASCII or Unicode string
0x0000859c	0x0102	PidLidSpamOriginalFolder	Unknown Binary data Related to change key (0x65e2) /list (0x65e3) ?
0x000085a0	0x0040	PidLidToDoOrdinalDate	Unknown Filetime
0x000085a1	0x001e 0x001f	PidLidToDoSubOrdinal	Unknown ASCII or Unicode string
0x000085a4	0x001e 0x001f	PidLidToDoTitle	Unknown ASCII or Unicode string
0x000085b1	0x001e 0x001f	PidLidInfoPathFormName	Unknown ASCII or Unicode string
0x000085b5	0x000b	PidLidClassified	Unknown Boolean
0x000085b6	0x001e 0x001f	PidLidClassification	Unknown ASCII or Unicode string
0x000085b7	0x001e 0x001f	PidLidClassificationDescription	Unknown ASCII or Unicode string
0x000085b8	0x001e 0x001f	PidLidClassificationGuid	Unknown ASCII or Unicode string
0x000085ba	0x000b	PidLidClassificationKeep	Unknown Boolean
0x000085bd	0x0102	PidLidReferenceEntryId	Unknown Binary data
0x000085bf	0x0040	PidLidValidFlagStringProof	Unknown Filetime
0x000085c0	0x0003	PidLidFlagString	Unknown Integer 32-bit signed
0x000085c2	0x0102		Unknown

Item type	Value type	Identifier	Description
			Binary data ==Contains a ZIP file==
0x000085c3	0x0102		==Unknown== Binary data ==Contains an XML file==

3.23.7. Journal property set (0x0008700 - 0x00087ff)

Named properties mapped to the Journal interface GUID: 0006200a-0000-0000-c000-000000000046

Item type	Value type	Identifier	Description
0x00008700	0x001e ==0x001f==	PidLidLogType	Type ASCII ==or Unicode== string
0x00008706	0x0040	PidLidLogStart	Start Filetime
0x00008707	0x0003	PidLidLogDuration	Duration Integer 32-bit signed
0x00008708	0x0040	PidLidLogEnd	End Filetime
0x0000870c	0x0003	PidLidLogFlags	LogFlags Integer 32-bit signed
0x0000870e	0x000b	PidLidDocumentPrinted	DocPrinted Boolean
0x0000870f	0x000b	PidLidDocumentSaved	DocSaved Boolean
0x00008710	0x000b	PidLidDocumentRouted	DocRouted Boolean
0x00008711	0x000b	PidLidDocumentPosted	DocPosted Boolean
0x00008712	0x001e ==0x001f==	PidLidLogTypeDesc	TypeDescription ASCII ==or Unicode== string

3.23.8. RSS feed property set (0x0008900 - 0x00089ff)

Named properties mapped to the RSS feed interface GUID: 00062041-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008900	0x001e 0x001f	PidLidPostRssChannel Link	Channel ASCII or Unicode string values
0x00008901	0x001e 0x001f	PidLidPostRssItemLink	Item link ASCII or Unicode string values
0x00008902	0x0003	PidLidPostRssItemHash	Item hash Integer 32-bit signed
0x00008903	0x001e 0x001f	PidLidPostRssItemGuid	Item GUID ASCII or Unicode string values
0x00008904	0x001e 0x001f	PidLidPostRssChannel	Channel GUID ASCII or Unicode string values
0x00008905	0x001e 0x001f	PidLidPostRssItemXml	Item XML ASCII or Unicode string values
0x00008906	0x001e 0x001f	PidLidPostRssSubscription	Subscription ASCII or Unicode string values

3.23.9. Sharing property set (0x0008a00 - 0x0008aff)

Named properties mapped to the Sharing interface GUID: 00062040-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008a00	0x0003	PidLidSharingStatus	==Unknown== Integer 32-bit signed
0x00008a01	0x0102	PidLidSharingProvider Guid	==Unknown== Binary data
0x00008a02	0x001e 0x001f	PidLidSharingProvider Name	==Unknown== ASCII or Unicode string
0x00008a03	0x001e 0x001f	PidLidSharingProvider Url	==Unknown== ASCII or Unicode string
0x00008a04	0x001e 0x001f	PidLidSharingRemotePath	==Unknown== ASCII or Unicode string
0x00008a05	0x001e 0x001f	PidLidSharingRemoteName	==Unknown== ASCII or Unicode string
0x00008a06	0x001e 0x001f	PidLidSharingRemoteUid	==Unknown== ASCII or Unicode string
0x00008a07	0x001e 0x001f	PidLidSharingInitiatorName	==Unknown== ASCII or Unicode string
0x00008a08	0x001e 0x001f	PidLidSharingInitiatorSmtp	==Unknown== ASCII or Unicode string
0x00008a09	0x0102	PidLidSharingInitiatorEntryId	==Unknown== Binary data
0x00008a0a	0x0003	PidLidSharingFlags	==Unknown==

Item type	Value type	Identifier	Description
			Integer 32-bit signed
0x00008a0b	0x001e 0x001f	PidLidSharingProvider Extension	<mark>Unknown</mark> ASCII or Unicode string
0x00008a0c	0x001e 0x001f	PidLidSharingRemote User	<mark>Unknown</mark> ASCII or Unicode string
0x00008a0d	0x001e 0x001f	PidLidSharingRemoteP ass	<mark>Unknown</mark> ASCII or Unicode string
0x00008a0e	0x001e 0x001f	PidLidSharingLocalPat h	<mark>Unknown</mark> ASCII or Unicode string
0x00008a0f	0x001e 0x001f	PidLidSharingLocalNa me	<mark>Unknown</mark> ASCII or Unicode string
0x00008a10	0x001e 0x001f	PidLidSharingLocalUid	<mark>Unknown</mark> ASCII or Unicode string
0x00008a13	0x0102	PidLidSharingFilter	<mark>Unknown</mark> Binary data
0x00008a14	0x001e 0x001f	PidLidSharingLocalTy pe	<mark>Unknown</mark> ASCII or Unicode string
0x00008a15	0x0102	PidLidSharingFolderEn tryId	<mark>Unknown</mark> Binary data
0x00008a17	0x0003	PidLidSharingCapabilit ies	<mark>Unknown</mark> Integer 32-bit signed
0x00008a18	0x0003	PidLidSharingFlavor	<mark>Unknown</mark> Integer 32-bit signed
0x00008a19	0x0003	PidLidSharingAnonymi ty	<mark>Unknown</mark> Integer 32-bit signed
0x00008a1a	0x0003	PidLidSharingReciproc ation	<mark>Unknown</mark> Integer 32-bit signed
0x00008a1b	0x0003	PidLidSharingPermissi ons	<mark>Unknown</mark> Integer 32-bit signed
0x00008a1c	0x0102	PidLidSharingInstance Guid	<mark>Unknown</mark> Binary data
0x00008a1d	0x001e 0x001f	PidLidSharingRemoteT ype	<mark>Unknown</mark> ASCII or Unicode string
0x00008a1e	0x001e 0x001f	PidLidSharingParticipa nts	<mark>Unknown</mark> ASCII or Unicode string
0x00008a1f	0x0040	PidLidSharingLastSync Time	<mark>Unknown</mark> Filetime
0x00008a21	0x001e	PidLidSharingExtensio	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
	0x001f	nXml	ASCII or Unicode string
0x00008a22	0x0040	PidLidSharingRemoteLastModificationTime	<mark>Unknown</mark> Filetime
0x00008a23	0x0040	PidLidSharingLocalLastModificationTime	<mark>Unknown</mark> Filetime
0x00008a24	0x001e 0x001f	PidLidSharingConfigurationUrl	<mark>Unknown</mark> ASCII or Unicode string
0x00008a25	0x0040	PidLidSharingStart	<mark>Unknown</mark> Filetime
0x00008a26	0x0040	PidLidSharingStop	<mark>Unknown</mark> Filetime
0x00008a27	0x0003	PidLidSharingResponseType	<mark>Unknown</mark> Integer 32-bit signed
0x00008a28	0x0040	PidLidSharingResponseTime	<mark>Unknown</mark> Filetime
0x00008a29	0x0102	PidLidSharingOriginalMessageEntryId	<mark>Unknown</mark> Binary data
0x00008a2a	0x0003	PidLidSharingSyncInterval	<mark>Unknown</mark> Integer 32-bit signed
0x00008a2b	0x0003	PidLidSharingDetail	<mark>Unknown</mark> Integer 32-bit signed
0x00008a2c	0x0003	PidLidSharingTimeToLive	<mark>Unknown</mark> Integer 32-bit signed
0x00008a2d	0x0102	PidLidSharingBindingEntryId	<mark>Unknown</mark> Binary data
0x00008a2e	0x0102	PidLidSharingIndexEntryId	<mark>Unknown</mark> Binary data
0x00008a2f	0x001e 0x001f	PidLidSharingRemoteComment	<mark>Unknown</mark> ASCII or Unicode string
0x00008a40	0x0040	PidLidSharingWorkingHoursStart	<mark>Unknown</mark> Filetime
0x00008a41	0x0040	PidLidSharingWorkingHoursEnd	<mark>Unknown</mark> Filetime
0x00008a42	0x0003	PidLidSharingWorkingHoursDay	<mark>Unknown</mark> Integer 32-bit signed
0x00008a43	0x0102	PidLidSharingWorkingHoursTimeZone	<mark>Unknown</mark> Binary data
0x00008a44	0x0040	PidLidSharingDataRangeStart	<mark>Unknown</mark> Filetime
0x00008a45	0x0040	PidLidSharingDataRan	<mark>Unknown</mark>

Item type	Value type	Identifier	Description
		geEnd	Filetime
0x00008a46	0x0003	PidLidSharingRangeStart	<mark>Unknown</mark> Integer 32-bit signed
0x00008a47	0x0003	PidLidSharingRangeEnd	<mark>Unknown</mark> Integer 32-bit signed
0x00008a48	0x001e 0x001f	PidLidSharingRemoteStoreUid	<mark>Unknown</mark> ASCII or Unicode string
0x00008a49	0x001e 0x001f	PidLidSharingLocalStoreUid	<mark>Unknown</mark> ASCII or Unicode string
0x00008a4b	0x0003	PidLidSharingRemoteByteSize	<mark>Unknown</mark> Integer 32-bit signed
0x00008a4c	0x0003	PidLidSharingRemoteCrc	<mark>Unknown</mark> Integer 32-bit signed
0x00008a4d	0x001e 0x001f	PidLidSharingLocalComment	<mark>Unknown</mark> ASCII or Unicode string
0x00008a4e	0x0003	PidLidSharingRoamLog	<mark>Unknown</mark> Integer 32-bit signed
0x00008a4f	0x0003	PidLidSharingRemoteMessageCount	<mark>Unknown</mark> Integer 32-bit signed
0x00008a51	0x001e 0x001f	PidLidSharingBrowseUrl	<mark>Unknown</mark> ASCII or Unicode string
0x00008a55	0x0040	PidLidSharingLastAutoSyncTime	<mark>Unknown</mark> Filetime
0x00008a56	0x0003	PidLidSharingTimeToLiveAuto	<mark>Unknown</mark> Integer 32-bit signed
0x00008a5b	0x001e 0x001f	PidLidSharingRemoteVersion	<mark>Unknown</mark> ASCII or Unicode string
0x00008a5c	0x0102	PidLidSharingParentBindingEntryId	<mark>Unknown</mark> Binary data
0x00008a60	0x0003	PidLidSharingSyncFlags	<mark>Unknown</mark> Integer 32-bit signed

3.23.10. Sticky note property set (0x0008b00 - 0x0008bff)

Named properties mapped to the Sticky note interface GUID: 0006200e-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008b00	0x0003	PidLidNoteColor	Color Integer 32-bit signed
0x00008b02	0x0003	PidLidNoteWidth	Width Integer 32-bit signed
0x00008b03	0x0003	PidLidNoteHeight	Height Integer 32-bit signed
0x00008b04	0x0003	PidLidNoteX	Left Integer 32-bit signed
0x00008b05	0x0003	PidLidNoteY	Top Integer 32-bit signed

3.23.11. Public strings property set

Named properties mapped to the public strings interface GUID: 00020329-0000-0000-c000-000000000046

Item type	Value type	Identifier	Description
0x00002328	0x101e 0x101f	PidLidCategories	Categories Array of ASCII or Unicode string values

Item string	Value type	Identifier	Description
AppName	0x001e 0x001f	PidNameApplicationName	Application name ASCII or Unicode string values
Author	0x001e 0x001f	PidNameAuthor	Author ASCII or Unicode string values
ByteCount	0x0003	PidNameByteCount	Byte size Integer 32-bit signed
Category	0x001e 0x001f	PidNameCategory	Category ASCII or Unicode string values
CharCount	0x0003	PidNameCharacterCount	Number of characters Integer 32-bit signed
Comments	0x001e 0x001f	PidNameComments	Comments ASCII or Unicode string values
Company	0x001e 0x001f	PidNameCompany	Company ASCII or Unicode string values
CreateDtmRo	0x0040	PidNameCreateDateTimeReadOnly	Read only creation time Filetime
DRMLicense	0x1102	PidNameRightsManagementLicense	Digital rights management license Array of Binary data values

Item string	Value type	Identifier	Description
EditTime	0x001e 0x001f	PidNameEditTime	<mark>Unknown</mark> ASCII or Unicode string values
http://schem as.microsoft .com/excha nge/junkem ailmovesta mp	0x0003	PidNameJunkEmailMo veStamp	<mark>Unknown</mark> Integer 32-bit signed
HiddenCou nt	0x0003	PidNameHiddenCount	<mark>Unknown</mark> Integer 32-bit signed
Keywords	0x101e 0x101f	PidNameKeywords	Keywords Array of ASCII or Unicode string values
LastAuthor	0x001e 0x001f	PidNameLastAuthor	<mark>Unknown</mark> ASCII or Unicode string values
LastPrinted	0x0040	PidNameLastPrinted	<mark>Unknown</mark> Filetime
LastSaveDt m	0x0040	PidNameLastSaveDate Time	<mark>Unknown</mark> Filetime
LineCount	0x0003	PidNameLineCount	<mark>Unknown</mark> Integer 32-bit signed
Manager	0x001e 0x001f	PidNameManager	<mark>Unknown</mark> ASCII or Unicode string values
MMClipCo unt	0x0003	PidNameMultimediaCli pCount	<mark>Unknown</mark> Integer 32-bit signed
NoteCount	0x0003	PidNameNoteCount	<mark>Unknown</mark> Integer 32-bit signed
OMSAccou ntGuid	0x001e 0x001f	PidNameOMSAccount Guid	<mark>Unknown</mark> ASCII or Unicode string values
OMSMobile Model	0x001e 0x001f	PidNameOMSMobileM odel	<mark>Unknown</mark> ASCII or Unicode string values
OMSSched uleTime	0x0040	PidNameOMSGSchedu leTime	<mark>Unknown</mark> Filetime
OMSServic eType	0x0003	PidNameOMSServiceT ype	<mark>Unknown</mark> Integer 32-bit signed
OMSSource Type	0x0003	PidNameOMSSourceT ype	<mark>Unknown</mark> Integer 32-bit signed
http://schem as.microsoft .com/outloo k/phishingst amp	0x0003	PidNamePhishingStam p	<mark>Unknown</mark> Integer 32-bit signed
PageCount	0x0003	PidNamePageCount	<mark>Unknown</mark> Integer 32-bit signed

Item string	Value type	Identifier	Description
ParCount	0x0003	PidNameParagraphCount	Unknown Integer 32-bit signed
PresFormat	0x001e 0x001f	PidNamePresentationFormat	Unknown ASCII or Unicode string values
Security	0x0003	PidNameSecurity	Unknown Integer 32-bit signed
SlideCount	0x0003	PidNameSlideCount	Unknown Integer 32-bit signed
Subject	0x001e 0x001f	PidNameSubject	Unknown ASCII or Unicode string values
Template	0x001e 0x001f	PidNameTemplate	Unknown ASCII or Unicode string values
Title	0x001e 0x001f	PidNameTitle	Unknown ASCII or Unicode string values
WordCount	0x0003	PidNameWordCount	Unknown Integer 32-bit signed
urn:schemas:contacts:fileas	0x001e 0x001f		Unknown ASCII or Unicode string values
urn:schemas:calendar:sequence	0x0003		Unknown Integer 32-bit signed
urn:schemas:calendar:version	0x001e 0x001f		Unknown ASCII or Unicode string values

3.23.12. Internet headers property set

Named properties mapped to the Internet headers interface GUID: 00020386-0000-0000-c000-000000000046.

Item string	Value type	Identifier	Description
Accept-Language	0x001e 0x001f	PidNameAcceptLanguage	Accept language ASCII or Unicode string values
Content-Base	0x001e 0x001f	PidNameBodyContentBase	Body content base ASCII or Unicode string values
Content-Class	0x001e 0x001f	PidNameContentClass	Content class ASCII or Unicode string values
Content-Transfer-Encoding	0x001e 0x001f	PidNameContentTransferEncoding	Content transfer encoding ASCII or Unicode string values
Content-Type	0x001e 0x001f	PidNameContentType	Content type ASCII or Unicode string values

Item string	Value type	Identifier	Description
Xref	0x001e 0x001f	PidNameCrossReferenc e	Cross reference (Xref) ASCII or Unicode string values
X-Sharing-Browse-Url	0x001e 0x001f	PidNameXSharingBro wseUrl	Sharing browse URL ASCII or Unicode string values
X-Sharing-Capabilities	0x001e 0x001f	PidNameXSharingCapa bilities	Sharing capabilities ASCII or Unicode string values
X-Sharing-Config-Url	0x001e 0x001f	PidNameXSharingConf igUrl	Sharing configuration URL ASCII or Unicode string values
X-Sharing-Extended-Caps	0x001e 0x001f	PidNameXSharingExte ndedCaps	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Flavor	0x001e 0x001f	PidNameXSharingFlav or	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Instance-Guid	0x001e 0x001f	PidNameXSharingInsta nceGuid	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Local-Type	0x001e 0x001f	PidNameXSharingLoca lType	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Provider-Guid	0x001e 0x001f	PidNameXSharingProv iderGuid	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Provider-Name	0x001e 0x001f	PidNameXSharingProv iderName	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Provider-Url	0x001e 0x001f	PidNameXSharingProv iderUrl	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Remote-Name	0x001e 0x001f	PidNameXSharingRem oteName	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Remote-Path	0x001e 0x001f	PidNameXSharingRem otePath	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Remote-Store-Uid	0x001e 0x001f	PidNameXSharingRem oteStoreUid	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Remote-Type	0x001e 0x001f	PidNameXSharingRem oteType	<mark>Unknown</mark> ASCII or Unicode string values
X-Sharing-Remote-Uid	0x001e 0x001f	PidNameXSharingRem oteUid	<mark>Unknown</mark> ASCII or Unicode string values

Other strings found in several Personal Folder Files:

Item string	Value type	Identifier	Description
dkim-signature	0x001e 0x001f		DKIM signature ASCII or Unicode string values
domainkey-signature	0x001e 0x001f		Domain key signature ASCII or Unicode string values
errors-to	0x001e 0x001f		Errors to ASCII or Unicode string values
in-reply-to	0x001e 0x001f		In reply to ASCII or Unicode string values
list-archive	0x001e 0x001f		List archive ASCII or Unicode string values
list-info	0x001e 0x001f		List info ASCII or Unicode string values
list-owner	0x001e 0x001f		List owner ASCII or Unicode string values
list-post	0x001e 0x001f		List post ASCII or Unicode string values
list-server	0x001e 0x001f		List server ASCII or Unicode string values
return-path	0x001e 0x001f		Return path ASCII or Unicode string values
Spam	0x0005		Unknown Floating point double precision (64-bit)
SpamBayes OriginalFolderStoreID	0x0102		Unknown Binary data
SpamBayes OriginalFolderID	0x0102		Unknown Binary data
user-agent	0x001e 0x001f		User agent ASCII or Unicode string values
x-accept-language	0x001e 0x001f		Unknown ASCII or Unicode string values
x-antivirus	0x001e 0x001f		Unknown ASCII or Unicode string values
x-antivirus-status	0x001e 0x001f		Unknown ASCII or Unicode string values
x-demt-data	0x001e 0x001f		Unknown ASCII or Unicode string values
x-dolist-unsubscribe	0x001e 0x001f		Unknown ASCII or Unicode string values
x-fid	0x001e 0x001f		Unknown ASCII or Unicode string values

Item string	Value type	Identifier	Description
x-header-versions	0x001e 0x001f		Unknown ASCII or Unicode string values
x-header-masterid	0x001e 0x001f		Unknown ASCII or Unicode string values
x-header-companydb username	0x001e 0x001f		Unknown ASCII or Unicode string values
x-lumos-senderid	0x001e 0x001f		Unknown ASCII or Unicode string values
x-mimeole	0x001e 0x001f		Unknown ASCII or Unicode string values Added by Microsoft MimeOLE
x-ns-id	0x001e 0x001f		Unknown ASCII or Unicode string values
x-ns-batch	0x001e 0x001f		Unknown ASCII or Unicode string values
x-originalarri valtime	0x001e 0x001f		Original arrival time ASCII or Unicode string values
x-refid	0x001e 0x001f		Reference identifier ASCII or Unicode string values
x-return-path-hint	0x001e 0x001f		Unknown ASCII or Unicode string values
x-roving-campaignid	0x001e 0x001f		Unknown ASCII or Unicode string values
x-roving-id	0x001e 0x001f		Unknown ASCII or Unicode string values
x-roving-streamid	0x001e 0x001f		Unknown ASCII or Unicode string values
x-sender	0x001e 0x001f		Sender ASCII or Unicode string values
x-subscripted _email	0x001e 0x001f		Unknown ASCII or Unicode string values
x-trace	0x001e 0x001f		Unknown ASCII or Unicode string values

3.23.13. Attachment property set

Named properties mapped to the Attachment interface GUID: 96357f7f-59e1-47d0-99a7-46515c183b54.

Item string	Value type	Identifier	Description
Attachment MacContent Type	0x001e 0x001f	PidNameAttachmentM acContentType	Attachment content type for Apple Macintosh ASCII or Unicode string values
Attachment MacInfo	0x0102	PidNameAttachmentM acInfo	Attachment information for Apple Macintosh Binary data

3.23.14. Unified messaging property set

Named properties mapped to the unified messaging interface GUID: 4442858e-a9e3-4e80-b900-317a210cc15b.

Item string	Value type	Identifier	Description
UMAudioN otes	0x001e 0x001f	PidNameAudioNotes	Audio notes ASCII or Unicode string values

3.23.15. Other property sets

CLSID: 0006200b-0000-0000-c000-000000000046

Named properties mapped to <mark>unknown</mark> interface GUID: 0006200b-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008808			
0x00008809			

CLSID: 00062013-0000-0000-c000-000000000046

Named properties mapped to <mark>unknown</mark> interface GUID: 00062013-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008d00			

CLSID: 00062014-0000-0000-c000-000000000046

Named properties mapped to <mark>unknown</mark> interface GUID: 00062014-0000-0000-c000-000000000046.

Item type	Value type	Identifier	Description
0x00008f05			

Item type	Value type	Identifier	Description
0x00008f07			

CLSID: 29f3ab56-554d-11d0-a97c-00a0c911f50a

Named properties mapped to ==unknown== interface GUID: 29f3ab56-554d-11d0-a97c-00a0c911f50a.

Item type	Value type	Identifier	Description
0x0000a000	0x0003		==Unknown== Integer 32-bit signed

CLSID: 4e3a7680-b77a-11d0-9da5-00c04fd65685

Named properties mapped to ==unknown== interface GUID: 4e3a7680-b77a-11d0-9da5-00c04fd65685.

Item string	Value type	Identifier	Description
Internet Charset Body	0x001e 0x001f		==Body formatted in the Internet character set== ASCII or Unicode string values

4. MAPI definitions

4.1. Acknowledgment mode definitions

The acknowledgment mode definitions are used by the following properties:
- 0x0001 (PidTagAcknowledgementMode)

Value	Description
0	Manual
1	Automatic

4.2. Importance definitions

The importance definitions are used by the following properties:
- 0x0017 (PidTagImportance)

Value	Identifier	Description
0	IMPORTANCE_LOW	Low
1	IMPORTANCE_NORMAL	Normal
2	IMPORTANCE_HIGH	High

4.3. Priority definitions

The priority definitions are used by the following properties:
- 0x0026 (PidTagPriority)

Value	Identifier	Description
-1	PRIO_NONURGENT	Non urgent
0	PRIO_NORMAL	Normal
1	PRIO_URGENT	Urgent

4.4. Sensitivity definitions

The sensitivitiy definitions are used by the following properties:
- 0x002e (PidTagOriginalSensitivity)
- 0x0036 (PidTagSensitivity)

Value	Identifier	Description
0	SENSITIVITY_NONE	None
1	SENSITIVITY_PERSONAL	Personal
2	SENSITIVITY_PRIVATE	Private
3	SENSITIVITY_COMPANY_CONFIDENTIAL	Company Confidential

4.5. Address type definitions

The address type definitions are used by the following properties:
- 0x0064 (PidTagSentRepresentingAddressType)
- 0x0066 (PidTagOriginalSenderAddressType)
- 0x0068 (PidTagOriginalSentRepresentingAddressType)
- 0x0075 (PidTagReceivedByAddressType)
- 0x0077 (PidTagReceivedRepresentingAddressType)
- 0x0079 (PidTagOriginalAuthorAddressType)
- 0x007b (PidTagOriginallyIntendedRecipAddrtype)
- 0x0c1e (PidTagSenderAddressType)
- 0x3002 (PidTagAddressType)

Value	Description
"EX"	ExChange address
"FAX"	FAX number
"MHS"	X.400 Message Handling Service address
"PROFS"	
"SMTP"	Simple Mail Transfer Protocol address
"UNKNOWN"	
"X400"	X.400 address

The value string should contain only the uppercase alphabetic characters from A through Z and the numbers from 0 through 9.

4.6. Recipient type definitions

The recipient type definitions are used by the following properties:
* 0x0c15 (PidTagRecipientType)

Value	Identifier	Description
0	MAPI_ORIG	Originator The originator.
1	MAPI_TO	To The recipient is a primary (To) recipient.
2	MAPI_CC	CC The recipient is a carbon copy (CC) recipient, a recipient that receives a message in addition to the primary recipients.
3	MAPI_BCC	BCC The recipient is a blind carbon copy (BCC) recipient. Primary and carbon copy recipients are unaware of the existence of BCC recipients.
Special purpose flags		
0x10000000	MAPI_P1	Resend The recipient did not successfully receive the message on the previous attempt.
0x80000000	MAPI_SUBMITTED	Already processed The recipient has already received the message and does not need to receive it again.

4.7. Message flag definitions

The message flag definitions are used by the following properties:
* 0x0e07 (PidTagMessageFlags)

Value	Identifier	Description
0x0001	MSGFLAG_READ	Read The message is marked as having been read.
0x0002	MSGFLAG_UNMODIFIED	Unmodified The outgoing message has not been modified since the first time that it was saved; the incoming message has not been modified since it was delivered.
0x0004	MSGFLAG_SUBMIT	Submit The message is marked for sending.

Value	Identifier	Description
0x0008	MSGFLAG_UNSENT	Unsent The message is still being composed.
0x0010	MSGFLAG_HASATTACH	Has attachment(s) The message has at least one attachment.
0x0020	MSGFLAG_FROMME	From Me The messaging user sending was the messaging user receiving the message.
0x0040	MSGFLAG_ASSOCIATED	Associated The message is an associated message of a folder.
0x0080	MSGFLAG_RESEND	Resend The message includes a request for a resend operation with a nondelivery report.
0x0100	MSGFLAG_RN_PENDING	Read notification pending A read report needs to be sent for the message.
0x0200	MSGFLAG_NRN_PENDING	Non-Read notification pending A nonread report needs to be sent for the message.
0x1000	MSGFLAG_ORIGIN_X400	Origin X.400 The incoming message arrived over an X.400 link.
0x2000	MSGFLAG_ORIGIN_INTERNET	Origin Internet The incoming message arrived over the Internet.
0x8000	MSGFLAG_ORIGIN_MISC_EXT	Origin external The incoming message arrived over an external link other than X.400 or the Internet.

4.8. Message submit flag definitions

The message submit flag definitions are used by the following properties:
- 0x0e14 (PidTagSubmitFlags)

Value	Identifier	Description
0x00000001	SUBMITFLAG_LOCKED	The MAPI spooler currently has the message locked.
0x00000002	SUBMITFLAG_PREPROCESS	The message needs preprocessing.

4.9. Message status flag definitions

The message status flag definitions are used by the following properties:
- 0x0e17 (PidTagMessageStatus)

Value	Identifier	Description
0x00000001	MSGSTATUS_HIGHLIGHTED	The message is to be highlighted in recipients' folder displays.
0x00000002	MSGSTATUS_TAGGED	The message has been tagged for a client-defined purpose.
0x00000004	MSGSTATUS_HIDDEN	The message is to be suppressed from recipients' folder displays.
0x00000008	MSGSTATUS_DELMARKED	The message has been marked for subsequent deletion.
0x00000100	MSGSTATUS_DRAFT	The message is in draft revision status.
0x00000200	MSGSTATUS_ANSWERED	The message has been replied to.
0x00001000	MSGSTATUS_REMOTE_DOWNLOAD	The message has been marked for downloading from the remote message store to the local client.
0x00002000	MSGSTATUS_REMOTE_DELETE	The message has been marked for deletion at the remote message store without downloading to the local client.

4.10. Access flags definitions

The access flags definitions are used by the following properties:
• 0x0ff4 (PidTagAccess)

Value	Identifier	Description
0x00000001	MAPI_ACCESS_MODIFY	Write access
0x00000002	MAPI_ACCESS_READ	Read access
0x00000004	MAPI_ACCESS_DELETE	Deletion permission
0x00000008	MAPI_ACCESS_CREATE_HIERARCHY	Permission to create sub folders in the folder hierarchy
0x00000010	MAPI_ACCESS_CREATE_CONTENTS	Permission to create content messages
0x00000020	MAPI_ACCESS_CREATE_ASSOCIATED	Permission to create associated content messages

4.11. Row type definitions

The row type definitions are used by the following properties:
• 0x0ff5 (PidTagRowType)

Value	Identifier	Description
0x00000001	TBL_LEAF_ROW	Data row

Value	Identifier	Description
0x00000002	TBL_EMPTY_CATEGORY	Header row with empty category
0x00000004	TBL_EXPANDED_CATEGORY	Expanded header row
0x00000008	TBL_COLLAPSED_CATEGORY	Collapsed header row

4.12. Client access level flags definitions

The client access level flags definitions are used by the following properties:
- 0x0ff7 (PidTagAccessLevel)

Value	Identifier	Description
0x00000000		Read-only
0x00000001		Modify

4.13. Resource flag definitions

The resource flag definitions are used by the following properties:
- 0x3009 (PidTagResourceFlags)

For a message service:

Value	Identifier	Description
0x00000001	SERVICE_DEFAULT_STORE	The message service contains the default store.
0x00000002	SERVICE_SINGLE_COPY	Any attempt to create or copy this message service into a profile where the service already exists will fail.
0x00000004	SERVICE_CREATE_WITH_STORE	Reserved
0x00000008	SERVICE_PRIMARY_IDENTITY	The corresponding message service contains the provider used for the primary identity for this session.
0x00000020	SERVICE_NO_PRIMARY_IDENTITY	Set to indicate that none of the providers in the message service can be used to supply an identity.

For a service provider:

Value	Identifier	Description
0x00000001	STATUS_DEFAULT_OUTBOUND	This identity should be applied to outbound messages if the profile contains multiple instances of this transport provider.
0x00000002	STATUS_DEFAULT_STORE	This message store is the default store for the profile.

Value	Identifier	Description
0x00000004	STATUS_PRIMARY_IDENTITY	This provider furnishes the primary identity for the session.
0x00000008	STATUS_SIMPLE_STORE	This message store will be used by Simple MAPI as its default message store.
0x00000010	STATUS_XP_PREFER_LAST	This transport expects to be the last transport selected to send a message when multiple transport providers are able to transmit the message.
0x00000020	STATUS_NO_PRIMARY_IDENTITY	This provider does not furnish an identity in its status row.
0x00000040	STATUS_NO_DEFAULT_STORE	This message store is incapable of becoming the default message store for the profile.
0x00000080	STATUS_TEMP_SECTION	This message store should not be published in the message store table and will be deleted from the profile after logoff.
0x00000100	STATUS_OWN_STORE	This transport provider is tightly coupled with a message store and furnishes the PR_OWN_STORE_ENTRYID (PidTagOwnStoreEntryId) property in its status row.
0x00000200	HOOK_INBOUND	The spooler hook needs to process inbound messages.
0x00000400	HOOK_OUTBOUND	The spooler hook needs to process outbound messages.
0x00000800	STATUS_NEED_IPM_TREE	The standard folders in this message store, including the interpersonal message (IPM) root folder, have not yet been verified.
0x00001000	STATUS_PRIMARY_STORE	This message store is to be used when a client application logs on.
0x00002000	STATUS_SECONDARY_STORE	This message store is to be used if the primary store is not available when a client application logs on.

4.14. Message store characteristics mask definitions

The message store characteristics maskdefinitions are used by the following properties:
- 0x340d (PidTagStoreSupportMask)
- 0x6611 (PidTagContactAddressBookStoreSupportMask)
- 0x6621 (PidTagContactAddressBookStoreSupportMasks)

Value	Identifier	Description
0x00000001	STORE_ENTRYID_UNIQUE	Entry identifiers for the objects in the message store are unique, that is, never reused during the life of the store.

Value	Identifier	Description
0x00000002	STORE_READONLY	All interfaces for the message store have a read-only access level.
0x00000004	STORE_SEARCH_OK	The message store supports search-results folders.
0x00000008	STORE_MODIFY_OK	The message store supports modification of its existing messages.
0x00000010	STORE_CREATE_OK	The message store supports creation of new messages.
0x00000020	STORE_ATTACH_OK	The message store supports attachments (OLE or non-OLE) to messages.
0x00000040	STORE_OLE_OK	The message store supports OLE attachments. The OLE data is accessible through an IStorage interface, such as that available through the PidTagAttachDataObject (PR_ATTACH_DATA_OBJ) property.
0x00000080	STORE_SUBMIT_OK	The message store supports marking a message for submission.
0x00000100	STORE_NOTIFY_OK	The message store supports notifications.
0x00000200	STORE_MV_PROPS_OK	The message store supports multivalued properties, guarantees the stability of value order in a multivalued property throughout a save operation, and supports instantiation of multivalued properties in tables
0x00000400	STORE_CATEGORIZE_OK	The message store supports categorized views of tables.
0x00000800	STORE_RTF_OK	The message store supports Rich Text Format (RTF) messages, usually compressed, and the store itself keeps PR_BODY and PR_RTF_COMPRESSED synchronized.
0x00001000	STORE_RESTRICTION_OK	The message store supports restrictions.
0x00002000	STORE_SORT_OK	The message store supports sorting views of tables.
0x00004000	STORE_PUBLIC_FOLDERS	The folders in this store are public (multi-user), not private (possibly multi-instance but not multi-user).
0x00008000	STORE_UNCOMPRESSED_RTF	The message store supports storage of RTF messages in uncompressed form. An uncompressed RTF stream is identified by the value dwMagicUncompressedRTF in the stream header. The dwMagicUncompressedRTF value is defined in the RTFLIB.H file.
0x00010000	STORE_HTML_OK	The message store supports HTML messages, stored in the PidTagBodyHtml (PR_BODY_HTML) property.

Value	Identifier	Description
0x00020000	STORE_ANSI_OK	The message store supports properties containing ANSI (8-bit) characters.
0x00040000	STORE_UNICODE_OK	The message store supports properties containing Unicode characters.
0x00080000	STORE_LOCALSTORE	This flag is reserved and should not be used.
0x00200000	STORE_ITEMPROC	In a wrapped PST store, indicates that when a new message arrives at the store, the store does rules and spam filter processing on the message separately. The store calls IMAPISupport::Notify, setting fnevNewMail in the NOTIFICATION structure that is passed as a parameter, and then passes the details of the new message to the listening client. Subsequently, when the listening client receives the notification, it does not process rules on the message.
0x00800000	STORE_PUSHER_OK	The MAPI Protocol Handler will not crawl the store, and the store is responsible to push any changes through notifications to the indexer to have messages indexed.

4.15. Valid folder mask definitions

The valid folder mask definitions are used by the following properties:
· 0x35df (PidTagValidFolderMask)

Value	Identifier	Description
0x0001	FOLDER_IPM_SUBTREE_VALID	The IPM folder subtree has a valid entry identifier.
0x0002	FOLDER_IPM_INBOX_VALID	The interpersonal message (IPM) receive folder has a valid entry identifier.
0x0004	FOLDER_IPM_OUTBOX_VALID	The IPM Outbox folder has a valid entry identifier
0x0008	FOLDER_IPM_WASTEBOX_VALID	The IPM Deleted Items folder has a valid entry identifier.
0x0010	FOLDER_IPM_SENTMAIL_VALID	The IPM Sent Items folder has a valid entry identifier.
0x0020	FOLDER_VIEWS_VALID	The views folder has a valid entry identifier.
0x0040	FOLDER_COMMON_VIEWS_VALID	The common views folder has a valid entry identifier
0x0080	FOLDER_FINDER_VALID	The finder folder has a valid entry identifier.

4.16. Container flag definitions

The container flag definitions are used by the following properties:
- 0x3600 (PidTagContainerFlags)

Value	Identifier	Description
0x00000001	AB_RECIPIENTS	The container can hold recipients. This flag does not indicate whether any recipients are actually present in the container, or whether they can be added or removed.
0x00000002	AB_SUBCONTAINERS	The container can hold child containers. This flag does not indicate whether any subcontainers are actually present in the container, nor whether they can be added or removed.
0x00000004	AB_MODIFIABLE	Entries can be added to and removed from the container. This flag does not indicate whether any entries in the container can be modified.
0x00000008	AB_UNMODIFIABLE	Entries cannot be added to or removed from the container. This flag does not indicate whether any entries in the container can be modified.
0x00000010	AB_FIND_ON_OPEN	Displays a dialog box to request a restriction before displaying any contents of the container.
0x00000020	AB_NOT_DEFAULT	The container is not the default one

4.17. Folder type definitions

The folder type definitions are used by the following properties:
- 0x3601 (PidTagFolderType)

Value	Identifier	Description
0	FOLDER_ROOT	The root folder of the folder hierarchy table, that is, a folder that has no parent folder.
1	FOLDER_GENERIC	A generic folder that contains messages and other folders.
2	FOLDER_SEARCH	A folder that contains the results of a search, in the form of links to messages that meet search criteria.
4		Found in Exchange MDB Attachments Folder

4.18. Aging granularity definitions

The folder type definitions are used by the following properties:
- 0x36ee (PR_AGING_GRANULARITY)

Value	Identifier	Description
0	AG_MONTHS	0x36ec (PR_AGING_PERIOD) is defined in months
1	AG_WEEKS	0x36ec (PR_AGING_PERIOD) is defined in weeks
2	AG_DAYS	0x36ec (PR_AGING_PERIOD) is defined in days

4.19. Attachment method definitions

The attachment method definitions are used by the following properties:
- 0x3705 (PidTagAttachMethod)

Value	Identifier	Description
0	NO_ATTACHMENT	None (No attachment)
1	ATTACH_BY_VALUE	By value The PR_ATTACH_DATA_BIN (PidTagAttachDataBinary) property contains the attachment data.
2	ATTACH_BY_REFERENCE	By reference The PR_ATTACH_PATHNAME (PidTagAttachPathname) or PR_ATTACH_LONG_PATHNAME (PidTagAttachLongPathname) property contains a fully-qualified path identifying the attachment to recipients with access to a common file server.
3	ATTACH_BY_REF_RESOLVE	By reference resolve The PR_ATTACH_PATHNAME or PR_ATTACH_LONG_PATHNAME property contains a fully-qualified path identifying the attachment.
4	ATTACH_BY_REF_ONLY	By reference only The PR_ATTACH_PATHNAME or PR_ATTACH_LONG_PATHNAME property contains a fully-qualified path identifying the attachment.
5	ATTACH_EMBEDDED_MSG	Embedded message The PidTagAttachDataObject (PR_ATTACH_DATA_OBJ) property contains an embedded object that supports the IMessage interface.
6	ATTACH_OLE	OLE The attachment is an embedded OLE object. When the OLE object is in OLE 2.0 IStorage format, the data is accessible through PidTagAttachDataObject (PR_ATTACH_DATA_OBJ). When the OLE

Value	Identifier	Description
		object is in OLE 1.0 OLESTREAM format, the data is accessible through PR_ATTACH_DATA_BIN as an IStream. The type of the OLE encoding can be determined by the PR_ATTACH_TAG (PidTagAttachTag) value.

4.20. Attachment flag definitions

The attachment flags definitions are used by the following properties:
- 0x3714 (PidTagAttachFlags)

Value	Identifier	Description
0x00000001	ATT_INVISIBLE_IN_HTML	Attachment not available in HTML
0x00000002	ATT_INVISIBLE_IN_RTF	Attachment not available in RTF
0x00000004	ATT_MHTML_REF	Unknown

4.21. Icon display type definitions

The icon display type definitions are used by the following properties:
- 0x3900 (PidTagDisplayType)

Value	Identifier	Description
Used by address book contents tables		
0x00000000	DT_MAILUSER	A typical messaging user with a mailbox.
0x00000001	DT_DISTLIST	A distribution list.
0x00000002	DT_FORUM	A forum, such as a bulletin board service or a public or shared folder.
0x00000003	DT_AGENT	A dynamic distribution list or an automated agent, such as Quote-Of-The-Day or a weather chart display.
0x00000004	DT_PRIVATE_DISTLIST	A private, personally administered distribution list.
0x00000005	DT_ORGANIZATION	A special alias defined for a large group, such as helpdesk, accounting, or blood-drive coordinator.
0x00000006	DT_REMOTE_MAILUSER	A recipient known to be from a foreign or remote messaging system or an address list entry in the Global Address List.
0x00000007	DT_ROOM	Conference room.
0x00000008	DT_EQUIPMENT	Equipment, for example, a printer or a projector.
0x00000009	DT_SEC_DISTLIST	Security distribution list.
Used by address book hierarchy tables and one-off tables		

Value	Identifier	Description
0x00010000	DT_MODIFIABLE	Modifiable; the container should be denoted as modifiable in the user interface.
0x00020000	DT_GLOBAL	A global address book.
0x00030000	DT_LOCAL	A local address book that you share with a small workgroup.
0x00040000	DT_WAN	A wide area network address book.
0x00050000	DT_NOT_SPECIFIC	Does not match any of the other settings.
Used by folder hierarchy tables		
0x01000000	DT_FOLDER	Display default folder icon adjacent to folder.
0x02000000	DT_FOLDER_LINK	Display default folder link icon adjacent to folder rather than the default folder icon.
0x04000000	DT_FOLDER_SPECIAL	Display icon for a folder with an application-specific distinction, such as a special type of public folder.

If this property is not set, the client should assume the default type appropriate for the table, typically DT_FOLDER, DT_LOCAL, or DT_MAILUSER.

4.22. Extended icon display type definitions

The icon display type definitions are used by the following properties:
- 0x3905 (PidTagDisplayTypeEx)

The following are conveniance macro's for the extended icon display type defintions.

Value	Identifier	Description
0x000000ff	DTE_MASK_LOCAL	
0x0000ff00	DTE_MASK_REMOTE	
0x40000000	DTE_FLAG_ACL_CAPABLE	
0x80000000	DTE_FLAG_REMOTE_VALID	

The actual definitions other than the icon display type definitions are currently not specified.

MSDN: Client applications must not define any new values and must be prepared to deal with an undocumented value.

4.23. Gender definitions

The gender definitions are used by the following properties:
- 0x3a4d (PidTagGender)

Value	Identifier	Description
0x0000	genderUnspecified	Unspecified

Value	Identifier	Description
0x0001	genderFemale	Female
0x0002	genderMale	Male

4.24. Encoding preference flag definitions

The encoding preference flag definitions are used by the following properties:
• 0x3a71 (PidTagSendInternetEncoding)

Value	Identifier	Description
0x00010000	MAPI_SEND_NO_RICH_INFO	<mark>Unknown</mark>
0x00020000	ENCODING_PREFERENCE	If not set the encoding is left to the messaging system.
0x00040000	ENCODING_MIME	Encode the message using MIME. If not set the message body is encoded in plain text and the attachments in UUENCODE.
0x00080000	BODY_ENCODING_HTML	Encode the message body in HTML. Ignored unless the ENCODING_MIME is set.
0x00100000	BODY_ENCODING_TEXT_AND_HTML	Encode the message body in text and HTML using Multipurpose Internet Mail Extensions (MIME) multipart alternatives. Ignored unless the ENCODING_MIME is set.
0x00200000	MAC_ATTACH_ENCODING_UUENCODE	Encode Macintosh attachments in Apple double mode. Ignored unless the ENCODING_MIME is set.
0x00400000	MAC_ATTACH_ENCODING_APPLESINGLE	Encode Macintosh attachments in Apple single mode. Ignored unless the ENCODING_MIME is set.
0x00600000	MAC_ATTACH_ENCODING_APPLEDOUBLE	Encode Macintosh attachments in UUENCODE. If ENCODING_MIME flag is set, this flag is ignored and BinHex encoding is used.
0x10000000	OOP_DONT_LOOKUP	<mark>Unknown</mark>

Note that MAC_ATTACH_ENCODING_APPLEDOUBLE (0x00600000) consists of 2 flags.

4.25. Codepage definitions

The codepage definitions are used by the following properties:
• 0x3fde (PidTagInternetCodepage)
• 0x3ffd (PidTagMessageCodepage)

Codepage	Character Set	Description
874	windows-874	Thai (Windows)
932	iso-2022-jp	Japanese (Shift-JIS)
936	gb2312	Chinese Simplified (GB2312)
949	ks_c_5601-1987	Korean
950	big5	Chinese Traditional (Big5)
1200	unicode	Unicode Either UTF-8 or UTF-16 little-endian <mark>Not defined by MSDN but found in PST file created by ExMerge v6.5.7529.0.</mark>
1250	windows-1250	Central European (Windows)
1251	windows-1251	Cyrillic (Windows)
1252	windows-1252	Western European (Windows)
1253	windows-1253	Greek (Windows)
1254	windows-1254	Turkish (Windows)
1255	windows-1255	Hebrew (Windows)
1256	windows-1256	Arabic (Windows)
1257	windows-1257	Baltic (Windows)
1258	windows-1258	Vietnamese (Windows)
20127	us-ascii	US-ASCII
20866	koi8-r	Cyrillic (KOI8-R)
21866	koi8-u	Cyrillic (KOI8-U)
28591	iso-8859-1	Western European (ISO) <mark>MSDN does not define the control characters 0x80 - 0x9f</mark>
28592	iso-8859-2	Central European (ISO) <mark>MSDN does not define the control characters 0x80 - 0x9f</mark>
28593	iso-8859-3	Latin 3 (ISO) <mark>MSDN does not define the control characters 0x80 - 0x9f</mark>
28594	iso-8859-4	Baltic (ISO) <mark>MSDN does not define the control characters 0x80 - 0x9f</mark>
28595	iso-8859-5	Cyrillic (ISO) <mark>MSDN does not define the control characters 0x80 - 0x9f</mark>
28596	iso-8859-6	Arabic (ISO) <mark>MSDN does not define the control characters 0x80 - 0x9f</mark>
28597	iso-8859-7	Greek (ISO)

Codepage	Character Set	Description
38598	iso-8859-8-i	Hebrew (ISO-Logical)
28599	iso-8859-9	Turkish (ISO)
28605	iso-8859-15	Latin 9 (ISO)
50220	iso-2022-jp	Japanese (JIS)
50221	csISO2022JP	Japanese (JIS-Allow 1 byte Kana)
51932	euc-jp	Japanese (EUC)
51949	euc-kr	Korean (EUC)
52936	hz-gb-2312	Chinese Simplified (HZ)
65000	utf-7	Unicode (UTF-7)
65001	utf-8	Unicode (UTF-8)

What about MacRoman? The list above is probably incomplete. Use MSDN codepage definitions (below) to fill missing codepages.

Codepage	Character Set	Description
037	IBM037	IBM EBCDIC US-Canada
437	IBM437	OEM United States
500	IBM500	IBM EBCDIC International
708	ASMO-708	Arabic (ASMO 708)
709		Arabic (ASMO-449+, BCON V4)
710		Arabic - Transparent Arabic
720	DOS-720	Arabic (Transparent ASMO); Arabic (DOS)
737	ibm737	OEM Greek (formerly 437G); Greek (DOS)
775	ibm775	OEM Baltic; Baltic (DOS)
850	ibm850	OEM Multilingual Latin 1; Western European (DOS)
852	ibm852	OEM Latin 2; Central European (DOS)
855	IBM855	OEM Cyrillic (primarily Russian)
857	ibm857	OEM Turkish; Turkish (DOS)
858	IBM00858	OEM Multilingual Latin 1 + Euro symbol
860	IBM860	OEM Portuguese; Portuguese (DOS)

Codepage	Character Set	Description
861	ibm861	OEM Icelandic; Icelandic (DOS)
862	DOS-862	OEM Hebrew; Hebrew (DOS)
863	IBM863	OEM French Canadian; French Canadian (DOS)
864	IBM864	OEM Arabic; Arabic (864)
865	IBM865	OEM Nordic; Nordic (DOS)
866	cp866	OEM Russian; Cyrillic (DOS)
869	ibm869	OEM Modern Greek; Greek, Modern (DOS)
870	IBM870	IBM EBCDIC Multilingual/ROECE (Latin 2); IBM EBCDIC Multilingual Latin 2
874	windows-874	ANSI/OEM Thai (same as 28605, ISO 8859-15); Thai (Windows)
875	cp875	IBM EBCDIC Greek Modern
932	shift_jis	ANSI/OEM Japanese; Japanese (Shift-JIS)
936	gb2312	ANSI/OEM Simplified Chinese (PRC, Singapore); Chinese Simplified (GB2312)
949	ks_c_5601-1987	ANSI/OEM Korean (Unified Hangul Code)
950	big5	ANSI/OEM Traditional Chinese (Taiwan; Hong Kong SAR, PRC); Chinese Traditional (Big5)
1026	IBM1026	IBM EBCDIC Turkish (Latin 5)
1047	IBM01047	IBM EBCDIC Latin 1/Open System
1140	IBM01140	IBM EBCDIC US-Canada (037 + Euro symbol); IBM EBCDIC (US-Canada-Euro)
1141	IBM01141	IBM EBCDIC Germany (20273 + Euro symbol); IBM EBCDIC (Germany-Euro)
1142	IBM01142	IBM EBCDIC Denmark-Norway (20277 + Euro symbol); IBM EBCDIC (Denmark-Norway-Euro)
1143	IBM01143	IBM EBCDIC Finland-Sweden (20278 + Euro symbol); IBM EBCDIC (Finland-Sweden-Euro)
1144	IBM01144	IBM EBCDIC Italy (20280 + Euro symbol); IBM EBCDIC (Italy-Euro)
1145	IBM01145	IBM EBCDIC Latin America-Spain (20284 + Euro symbol); IBM EBCDIC (Spain-Euro)
1146	IBM01146	IBM EBCDIC United Kingdom (20285 + Euro symbol); IBM EBCDIC (UK-Euro)
1147	IBM01147	IBM EBCDIC France (20297 + Euro symbol); IBM EBCDIC (France-Euro)
1148	IBM01148	IBM EBCDIC International (500 + Euro symbol); IBM EBCDIC (International-Euro)
1149	IBM01149	IBM EBCDIC Icelandic (20871 + Euro symbol);

Codepage	Character Set	Description
		IBM EBCDIC (Icelandic-Euro)
1200	utf-16	Unicode UTF-16, little endian byte order (BMP of ISO 10646); available only to managed applications
1201	unicodeFFFE	Unicode UTF-16, big endian byte order; available only to managed applications
1250	windows-1250	ANSI Central European; Central European (Windows)
1251	windows-1251	ANSI Cyrillic; Cyrillic (Windows)
1252	windows-1252	ANSI Latin 1; Western European (Windows)
1253	windows-1253	ANSI Greek; Greek (Windows)
1254	windows-1254	ANSI Turkish; Turkish (Windows)
1255	windows-1255	ANSI Hebrew; Hebrew (Windows)
1256	windows-1256	ANSI Arabic; Arabic (Windows)
1257	windows-1257	ANSI Baltic; Baltic (Windows)
1258	windows-1258	ANSI/OEM Vietnamese; Vietnamese (Windows)
1361	Johab	Korean (Johab)
10000	macintosh	MAC Roman; Western European (Mac)
10001	x-mac-japanese	Japanese (Mac)
10002	x-mac-chinesetrad	MAC Traditional Chinese (Big5); Chinese Traditional (Mac)
10003	x-mac-korean	Korean (Mac)
10004	x-mac-arabic	Arabic (Mac)
10005	x-mac-hebrew	Hebrew (Mac)
10006	x-mac-greek	Greek (Mac)
10007	x-mac-cyrillic	Cyrillic (Mac)
10008	x-mac-chinesesimp	MAC Simplified Chinese (GB 2312); Chinese Simplified (Mac)
10010	x-mac-romanian	Romanian (Mac)
10017	x-mac-ukrainian	Ukrainian (Mac)
10021	x-mac-thai	Thai (Mac)
10029	x-mac-ce	MAC Latin 2; Central European (Mac)
10079	x-mac-icelandic	Icelandic (Mac)
10081	x-mac-turkish	Turkish (Mac)
10082	x-mac-croatian	Croatian (Mac)
12000	utf-32	Unicode UTF-32, little endian byte order; available only to managed applications

Codepage	Character Set	Description
12001	utf-32BE	Unicode UTF-32, big endian byte order; available only to managed applications
20000	x-Chinese_CNS	CNS Taiwan; Chinese Traditional (CNS)
20001	x-cp20001	TCA Taiwan
20002	x_Chinese-Eten	Eten Taiwan; Chinese Traditional (Eten)
20003	x-cp20003	IBM5550 Taiwan
20004	x-cp20004	TeleText Taiwan
20005	x-cp20005	Wang Taiwan
20105	x-IA5	IA5 (IRV International Alphabet No. 5, 7-bit); Western European (IA5)
20106	x-IA5-German	IA5 German (7-bit)
20107	x-IA5-Swedish	IA5 Swedish (7-bit)
20108	x-IA5-Norwegian	IA5 Norwegian (7-bit)
20127	us-ascii	US-ASCII (7-bit)
20261	x-cp20261	T.61
20269	x-cp20269	ISO 6937 Non-Spacing Accent
20273	IBM273	IBM EBCDIC Germany
20277	IBM277	IBM EBCDIC Denmark-Norway
20278	IBM278	IBM EBCDIC Finland-Sweden
20280	IBM280	IBM EBCDIC Italy
20284	IBM284	IBM EBCDIC Latin America-Spain
20285	IBM285	IBM EBCDIC United Kingdom
20290	IBM290	IBM EBCDIC Japanese Katakana Extended
20297	IBM297	IBM EBCDIC France
20420	IBM420	IBM EBCDIC Arabic
20423	IBM423	IBM EBCDIC Greek
20424	IBM424	IBM EBCDIC Hebrew
20833	x-EBCDIC-KoreanExtended	IBM EBCDIC Korean Extended
20838	IBM-Thai	IBM EBCDIC Thai
20866	koi8-r	Russian (KOI8-R); Cyrillic (KOI8-R)
20871	IBM871	IBM EBCDIC Icelandic
20880	IBM880	IBM EBCDIC Cyrillic Russian
20905	IBM905	IBM EBCDIC Turkish
20924	IBM00924	IBM EBCDIC Latin 1/Open System (1047 + Euro symbol)
20932	EUC-JP	Japanese (JIS 0208-1990 and 0121-1990)

Codepage	Character Set	Description
20936	x-cp20936	Simplified Chinese (GB2312); Chinese Simplified (GB2312-80)
20949	x-cp20949	Korean Wansung
21025	cp1025	IBM EBCDIC Cyrillic Serbian-Bulgarian
21027		(deprecated)
21866	koi8-u	Ukrainian (KOI8-U); Cyrillic (KOI8-U)
28591	iso-8859-1	ISO 8859-1 Latin 1; Western European (ISO)
28592	iso-8859-2	ISO 8859-2 Central European; Central European (ISO)
28593	iso-8859-3	ISO 8859-3 Latin 3
28594	iso-8859-4	ISO 8859-4 Baltic
28595	iso-8859-5	ISO 8859-5 Cyrillic
28596	iso-8859-6	ISO 8859-6 Arabic
28597	iso-8859-7	ISO 8859-7 Greek
28598	iso-8859-8	ISO 8859-8 Hebrew; Hebrew (ISO-Visual)
28599	iso-8859-9	ISO 8859-9 Turkish
28603	iso-8859-13	ISO 8859-13 Estonian
28605	iso-8859-15	ISO 8859-15 Latin 9
29001	x-Europa	Europa 3
38598	iso-8859-8-i	ISO 8859-8 Hebrew; Hebrew (ISO-Logical)
50220	iso-2022-jp	ISO 2022 Japanese with no halfwidth Katakana; Japanese (JIS)
50221	csISO2022JP	ISO 2022 Japanese with halfwidth Katakana; Japanese (JIS-Allow 1 byte Kana)
50222	iso-2022-jp	ISO 2022 Japanese JIS X 0201-1989; Japanese (JIS-Allow 1 byte Kana - SO/SI)
50225	iso-2022-kr	ISO 2022 Korean
50227	x-cp50227	ISO 2022 Simplified Chinese; Chinese Simplified (ISO 2022)
50229		ISO 2022 Traditional Chinese
50930		EBCDIC Japanese (Katakana) Extended
50931		EBCDIC US-Canada and Japanese
50933		EBCDIC Korean Extended and Korean
50935		EBCDIC Simplified Chinese Extended and Simplified Chinese
50936		EBCDIC Simplified Chinese
50937		EBCDIC US-Canada and Traditional Chinese

Codepage	Character Set	Description
50939		EBCDIC Japanese (Latin) Extended and Japanese
51932	euc-jp	EUC Japanese
51936	EUC-CN	EUC Simplified Chinese; Chinese Simplified (EUC)
51949	euc-kr	EUC Korean
51950		EUC Traditional Chinese
52936	hz-gb-2312	HZ-GB2312 Simplified Chinese; Chinese Simplified (HZ)
54936	GB18030	Windows XP and later: GB18030 Simplified Chinese (4 byte); Chinese Simplified (GB18030)
57002	x-iscii-de	ISCII Devanagari
57003	x-iscii-be	ISCII Bengali
57004	x-iscii-ta	ISCII Tamil
57005	x-iscii-te	ISCII Telugu
57006	x-iscii-as	ISCII Assamese
57007	x-iscii-or	ISCII Oriya
57008	x-iscii-ka	ISCII Kannada
57009	x-iscii-ma	ISCII Malayalam
57010	x-iscii-gu	ISCII Gujarati
57011	x-iscii-pa	ISCII Punjabi
65000	utf-7	Unicode (UTF-7)
65001	utf-8	Unicode (UTF-8)

4.26. Conflict resolution method definitions

The conflict resolution method definitions are used by the following properties:
· 0x3fe7 (PidTagResolveMethod)

Value	Identifier	Description
0x00000000	LVE_METHOD_DEFAULT	Conflict resolve message should be generated.
0x00000001	RESOLVE_METHOD_LAST_WRITER_WINS	Overwrite target message with current changes being applied.
0x00000002	RESOLVE_NO_CONFLICT_NOTIFICATION	Do not send conflict notification message when generating conflict resolve message in public folder.

4.27. Message editor format definitions

The message editor format definitions are used by the following properties:
· 0x5909 (PidTagMessageEditorFormat)

Value	Identifier	Description
0	EDITOR_FORMAT_DONTK NOW	The format for the editor to use is unknown.
1	EDITOR_FORMAT_PLAINT EXT	The editor should display the message in plain text format.
2	EDITOR_FORMAT_HTML	The editor should display the message in HTML format.
3	EDITOR_FORMAT_RTF	The editor should display the message in Rich Text Format.

4.28. RPC over HTTP flag definitions

The RPC over HTTP flag definitions are used by the following properties:
- 0x6623 (PR_ROH_FLAGS)

Value	Identifier	Description
0x00000001	ROHFLAGS_USE_ROH	Connect to the Exchange Server using RPC over HTTP.
0x00000002	ROHFLAGS_SSL_ONLY	Connect to the Exchange Server using Secure Socket Layer (SSL) only.
0x00000004	ROHFLAGS_MUTUAL_AUT H	Mutually authenticate the session when connecting by using SSL.
0x00000008	ROHFLAGS_HTTP_FIRST_O N_FAST	On fast networks, connect by using HTTP first. Then, connect by using TCP/IP.
0x00000020	ROHFLAGS_HTTP_FIRST_O N_SLOW	On slow networks, connect by using HTTP first. Then, connect by using TCP/IP.

4.29. RPC over HTTP authentication scheme definitions

The RPC over HTTP authentication scheme definitions are used by the following properties:
- 0x6627 (PR_ROH_PROXY_AUTH_SCHEME)

Value	Identifier	Description
0x00000001	ROHAUTH_BASIC	Basic authentication
0x00000002	ROHAUTH_NTLM	NTLM authentication

4.30. Personal storage table configuration flags definitions

The personal storage table configuration flags definitions are used by the following entry types:
- 0x6770 (PidTagPstConfigurationFlags)

Bit(s)	Identifier	Description
0x00000001	PST_CONFIG_CREATE_NOWARN	Do not warn if not configured
0x00000002	PST_CONFIG_PRESERVE_DISPLAY_NAME	Preserve display name property
0x00000008	OST_CONFIG_POLICY_DELAY_IGNORE_OST	Prompt user for location of missing OST file
0x00000010	OST_CONFIG_CREATE_NEW_DEFAULT	Make a new copy of the OST file
0x80000000	PST_CONFIG_UNICODE	Unicode PST file

4.31. Appointment sequence definitions

The appointment sequence definitions are used by the following properties:
- 0x00008201 (PidLidAppointmentSequence)

Value	Identifier	Description
0x00000001	asfMeeting (M)	This flag indicates that the object is a meeting object or a meeting-related object.
0x00000002	asfReceived (R)	This flag indicates that the represented object was received from someone else.
0x00000004	asfCanceled (C)	This flag indicates that the meeting object represented by the object has been canceled.

4.32. Appointment color definitions

The appointment color definitions are used by the following properties:
- 0x00008214 (PidLidAppointmentColor)

Value	Description
0x00000000	None
0x00000001	Red
0x00000002	Blue
0x00000003	Green
0x00000004	Grey
0x00000005	Orange
0x00000006	Cyan
0x00000007	Olive
0x00000008	Purple

Value	Description
0x00000009	Teal
0x0000000a	Yellow

5. Windows data types

5.1. The LCID structure

The entry type should be of value type 0x0003 (Integer 32-bit signed)

The LCID structure is used by the following entry types:
· 0x3ff1 (PidTagMessageLocaleId)
· 0x65f1 (PR_RULE_MSG_CONDITION_LCID)

Language Code Identifiers (LCID) structure to define codepages. This structure consists of:

offset	size	value	description
0 (LSB)	16 bits		Language identifier
2	4 bits		Sort order
2.4	12 bits		Reserved

5.1.1. Sort orders

Value	Identifier	Description
0x00	SORT_CHINESE_BIG5	Chinese BIG5 order
0x00	SORT_CHINESE_PRCP	PRC Chinese phonetic order
0x00	SORT_DEFAULT	Default sort order
0x00	SORT_GEORGIAN_TRADITIONAL	Georgian traditional order
0x00	SORT_HUNGARIAN_DEFAULT	Hungarian default order
0x00	SORT_JAPANESE_XJIS	Japanese XJIS order
0x00	SORT_KOREAN_KSC	Korean KSC order
0x01	SORT_CHINESE_UNICODE	Chinese Unicode order
0x01	SORT_GEORGIAN_MODERN	Georgian modern order
0x01	SORT_GERMAN_PHONE_BOOK	German phone book order
0x01	SORT_HUNGARIAN_TECHNICAL	Hungarian technical order
0x01	SORT_JAPANESE_UNICODE	Japanese Unicode order

Value	Identifier	Description
0x01	SORT_KOREAN_UNICODE	Korean Unicode order
0x02	SORT_CHINESE_PRC	PRC Chinese stroke count order
0x03	SORT_CHINESE_BOPOMOFO	Traditional Chinese Bopomofo order
0x04	SORT_CHINESE_RADICALSTROKE	Chinese radical/stroke order
0x04	SORT_JAPANESE_RADICALSTROKE	Japanese radical/stroke sort order

5.1.2. Language identifiers

The IETF language tags are defined by Best Current Practice (BCP) 47, which is currently Request for Comments (RFC) 4646 and 4647.

A database of the language identifiers is maintained by IANA:
http://www.iana.org/assignments/language-subtag-registry

Value	Language identifier	Language
0x0001	ar	Arabic
0x0002	bg	Bulgarian
0x0003	ca	Catalan
0x0004	zh-Hans	Chinese, Han (Simplified variant)
0x0005	cs	Czech
0x0006	da	Danish
0x0007	de	German
0x0008	el	Modern Greek (1453-)
0x0009	en	English
0x000a	es	Spanish
0x000b	fi	Finnish
0x000c	fr	French
0x000d	he	Hebrew
0x000e	hu	Hungarian
0x000f	is	Icelandic
0x0010	it	Italian
0x0011	ja	Japanese
0x0012	ko	Korean
0x0013	nl	Dutch
0x0014	no	Norwegian

Value	Language identifier	Language
0x0015	pl	Polish
0x0016	pt	Portuguese
0x0017	rm	Romansh
0x0018	ro	Romanian
0x0019	ru	Russian
0x001a	hr	Croatian
0x001b	sk	Slovak
0x001c	sq	Albanian
0x001d	sv	Swedish
0x001e	th	Thai
0x001f	tr	Turkish
0x0020	ur	Urdu
0x0021	id	Indonesian
0x0022	uk	Ukrainian
0x0023	be	Belarusian
0x0024	sl	Slovenian
0x0025	et	Estonian
0x0026	lv	Latvian
0x0027	lt	Lithuanian
0x0028	tg	Tajik
0x0029	fa	Persian
0x002a	vi	Vietnamese
0x002b	hy	Armenian
0x002c	az	Azerbaijani
0x002d	eu	Basque
0x002e	hsb	Upper Sorbian
0x002f	mk	Macedonian
0x0032	tn	Tswana
0x0034	xh	Xhosa
0x0035	zu	Zulu
0x0036	af	Afrikaans
0x0037	ka	Georgian
0x0038	fo	Faroese
0x0039	hi	Hindi
0x003a	mt	Maltese

Value	Language identifier	Language
0x003b	se	Northern Sami
0x003c	ga	Irish
0x003e	ms	Malay (macrolanguage)
0x003f	kk	Kazakh
0x0040	ky	Kirghiz
0x0041	sw	Swahili (macrolanguage)
0x0042	tk	Turkmen
0x0043	uz	Uzbek
0x0044	tt	Tatar
0x0045	bn	Bengali
0x0046	pa	Panjabi
0x0047	gu	Gujarati
0x0048	or	Oriya
0x0049	ta	Tamil
0x004a	te	Telugu
0x004b	kn	Kannada
0x004c	ml	Malayalam
0x004d	as	Assamese
0x004e	mr	Marathi
0x004f	sa	Sanskrit
0x0050	mn	Mongolian
0x0051	bo	Tibetan
0x0052	cy	Welsh
0x0053	km	Central Khmer
0x0054	lo	Lao
0x0056	gl	Galician
0x0057	kok	Konkani (macrolanguage)
0x005a	syr	Syriac
0x005b	si	Sinhala
0x005d	iu	Inuktitut
0x005e	am	Amharic
0x005f	tzm	Central Atlas Tamazight
0x0061	ne	Nepali
0x0062	fy	Western Frisian
0x0063	ps	Pushto

Value	Language identifier	Language
0x0064	fil	Filipino
0x0065	dv	Dhivehi
0x0068	ha	Hausa
0x006a	yo	Yoruba
0x006b	quz	Cusco Quechua
0x006c	nso	Pedi
0x006d	ba	Bashkir
0x006e	lb	Luxembourgish
0x006f	kl	Kalaallisut
0x0070	ig	Igbo
0x0078	ii	Sichuan Yi
0x007a	arn	Mapudungun
0x007c	moh	Mohawk
0x007e	br	Breton
0x0080	ug	Uighur
0x0081	mi	Maori
0x0082	oc	Occitan (post 1500)
0x0083	co	Corsican
0x0084	gsw	Swiss German
0x0085	sah	Yakut
0x0086	qut	
0x0087	rw	Kinyarwanda
0x0088	wo	Wolof
0x008c	prs	Dari
0x0091	gd	Scottish Gaelic
0x0401	ar-SA	Arabic, Saudi Arabia
0x0402	bg-BG	Bulgarian, Bulgaria
0x0403	ca-ES	Catalan, Spain
0x0404	zh-TW	Chinese, Taiwan, Province of China
0x0405	cs-CZ	Czech, Czech Republic
0x0406	da-DK	Danish, Denmark
0x0407	de-DE	German, Germany
0x0408	el-GR	Modern Greek (1453-), Greece
0x0409	en-US	English, United States
0x040a	es-ES_tradnl	Spanish

Value	Language identifier	Language
0x040b	fi-FI	Finnish, Finland
0x040c	fr-FR	French, France
0x040d	he-IL	Hebrew, Israel
0x040e	hu-HU	Hungarian, Hungary
0x040f	is-IS	Icelandic, Iceland
0x0410	it-IT	Italian, Italy
0x0411	ja-JP	Japanese, Japan
0x0412	ko-KR	Korean, Republic of Korea
0x0413	nl-NL	Dutch, Netherlands
0x0414	nb-NO	Norwegian Bokmål, Norway
0x0415	pl-PL	Polish, Poland
0x0416	pt-BR	Portuguese, Brazil
0x0417	rm-CH	Romansh, Switzerland
0x0418	ro-RO	Romanian, Romania
0x0419	ru-RU	Russian, Russian Federation
0x041a	hr-HR	Croatian, Croatia
0x041b	sk-SK	Slovak, Slovakia
0x041c	sq-AL	Albanian, Albania
0x041d	sv-SE	Swedish, Sweden
0x041e	th-TH	Thai, Thailand
0x041f	tr-TR	Turkish, Turkey
0x0420	ur-PK	Urdu, Pakistan
0x0421	id-ID	Indonesian, Indonesia
0x0422	uk-UA	Ukrainian, Ukraine
0x0423	be-BY	Belarusian, Belarus
0x0424	sl-SI	Slovenian, Slovenia
0x0425	et-EE	Estonian, Estonia
0x0426	lv-LV	Latvian, Latvia
0x0427	lt-LT	Lithuanian, Lithuania
0x0428	tg-Cyrl-TJ	Tajik, Cyrillic, Tajikistan
0x0429	fa-IR	Persian, Islamic Republic of Iran
0x042a	vi-VN	Vietnamese, Viet Nam
0x042b	hy-AM	Armenian, Armenia
0x042c	az-Latn-AZ	Azerbaijani, Latin, Azerbaijan
0x042d	eu-ES	Basque, Spain

Value	Language identifier	Language
0x042e	wen-DE	Sorbian languages, Germany
0x042f	mk-MK	Macedonian, The Former Yugoslav Republic of Macedonia
0x0430	st-ZA	Southern Sotho, South Africa
0x0431	ts-ZA	Tsonga, South Africa
0x0432	tn-ZA	Tswana, South Africa
0x0433	ven-ZA	South Africa
0x0434	xh-ZA	Xhosa, South Africa
0x0435	zu-ZA	Zulu, South Africa
0x0436	af-ZA	Afrikaans, South Africa
0x0437	ka-GE	Georgian, Georgia
0x0438	fo-FO	Faroese, Faroe Islands
0x0439	hi-IN	Hindi, India
0x043a	mt-MT	Maltese, Malta
0x043b	se-NO	Northern Sami, Norway
0x043e	ms-MY	Malay (macrolanguage), Malaysia
0x043f	kk-KZ	Kazakh, Kazakhstan
0x0440	ky-KG	Kirghiz, Kyrgyzstan
0x0441	sw-KE	Swahili (macrolanguage), Kenya
0x0442	tk-TM	Turkmen, Turkmenistan
0x0443	uz-Latn-UZ	Uzbek, Latin, Uzbekistan
0x0444	tt-RU	Tatar, Russian Federation
0x0445	bn-IN	Bengali, India
0x0446	pa-IN	Panjabi, India
0x0447	gu-IN	Gujarati, India
0x0448	or-IN	Oriya, India
0x0449	ta-IN	Tamil, India
0x044a	te-IN	Telugu, India
0x044b	kn-IN	Kannada, India
0x044c	ml-IN	Malayalam, India
0x044d	as-IN	Assamese, India
0x044e	mr-IN	Marathi, India
0x044f	sa-IN	Sanskrit, India
0x0450	mn-MN	Mongolian, Mongolia
0x0451	bo-CN	Tibetan, China
0x0452	cy-GB	Welsh, United Kingdom

Value	Language identifier	Language
0x0453	km-KH	Central Khmer, Cambodia
0x0454	lo-LA	Lao, Lao People's Democratic Republic
0x0455	my-MM	Burmese, Myanmar
0x0456	gl-ES	Galician, Spain
0x0457	kok-IN	Konkani (macrolanguage), India
0x0458	mni	Manipuri
0x0459	sd-IN	Sindhi, India
0x045a	syr-SY	Syriac, Syrian Arab Republic
0x045b	si-LK	Sinhala, Sri Lanka
0x045c	chr-US	Cherokee, United States
0x045d	iu-Cans-CA	Inuktitut, Unified Canadian Aboriginal Syllabics, Canada
0x045e	am-ET	Amharic, Ethiopia
0x045f	tmz	Tamanaku
0x0461	ne-NP	Nepali, Nepal
0x0462	fy-NL	Western Frisian, Netherlands
0x0463	ps-AF	Pushto, Afghanistan
0x0464	fil-PH	Filipino, Philippines
0x0465	dv-MV	Dhivehi, Maldives
0x0466	bin-NG	Bini, Nigeria
0x0467	fuv-NG	Nigerian Fulfulde, Nigeria
0x0468	ha-Latn-NG	Hausa, Latin, Nigeria
0x0469	ibb-NG	Ibibio, Nigeria
0x046a	yo-NG	Yoruba, Nigeria
0x046b	quz-BO	Cusco Quechua, Bolivia
0x046c	nso-ZA	Pedi, South Africa
0x046d	ba-RU	Bashkir, Russian Federation
0x046e	lb-LU	Luxembourgish, Luxembourg
0x046f	kl-GL	Kalaallisut, Greenland
0x0470	ig-NG	Igbo, Nigeria
0x0471	kr-NG	Kanuri, Nigeria
0x0472	gaz-ET	West Central Oromo, Ethiopia
0x0473	ti-ER	Tigrinya, Eritrea
0x0474	gn-PY	Guarani, Paraguay
0x0475	haw-US	Hawaiian, United States
0x0477	so-SO	Somali, Somalia

Value	Language identifier	Language
0x0478	ii-CN	Sichuan Yi, China
0x0479	pap-AN	Papiamento, Netherlands Antilles
0x047a	arn-CL	Mapudungun, Chile
0x047c	moh-CA	Mohawk, Canada
0x047e	br-FR	Breton, France
0x0480	ug-CN	Uighur, China
0x0481	mi-NZ	Maori, New Zealand
0x0482	oc-FR	Occitan (post 1500), France
0x0483	co-FR	Corsican, France
0x0484	gsw-FR	Swiss German, France
0x0485	sah-RU	Yakut, Russian Federation
0x0486	qut-GT	Guatemala
0x0487	rw-RW	Kinyarwanda, Rwanda
0x0488	wo-SN	Wolof, Senegal
0x048c	prs-AF	Dari, Afghanistan
0x048d	plt-MG	Plateau Malagasy, Madagascar
0x0491	gd-GB	Scottish Gaelic, United Kingdom
0x0801	ar-IQ	Arabic, Iraq
0x0804	zh-CN	Chinese, China
0x0807	de-CH	German, Switzerland
0x0809	en-GB	English, United Kingdom
0x080a	es-MX	Spanish, Mexico
0x080c	fr-BE	French, Belgium
0x0810	it-CH	Italian, Switzerland
0x0813	nl-BE	Dutch, Belgium
0x0814	nn-NO	Norwegian Nynorsk, Norway
0x0816	pt-PT	Portuguese, Portugal
0x0818	ro-MO	Romanian, Macao
0x0819	ru-MO	Russian, Macao
0x081a	sr-Latn-CS	Serbian, Latin, Serbia and Montenegro
0x081d	sv-FI	Swedish, Finland
0x0820	ur-IN	Urdu, India
0x082c	az-Cyrl-AZ	Azerbaijani, Cyrillic, Azerbaijan
0x082e	dsb-DE	Lower Sorbian, Germany
0x083b	se-SE	Northern Sami, Sweden

Value	Language identifier	Language
0x083c	ga-IE	Irish, Ireland
0x083e	ms-BN	Malay (macrolanguage), Brunei Darussalam
0x0843	uz-Cyrl-UZ	Uzbek, Cyrillic, Uzbekistan
0x0845	bn-BD	Bengali, Bangladesh
0x0846	pa-PK	Panjabi, Pakistan
0x0850	mn-Mong-CN	Mongolian, Mongolian, China
0x0851	bo-BT	Tibetan, Bhutan
0x0859	sd-PK	Sindhi, Pakistan
0x085d	iu-Latn-CA	Inuktitut, Latin, Canada
0x085f	tzm-Latn-DZ	Central Atlas Tamazight, Latin, Algeria
0x0861	ne-IN	Nepali, India
0x086b	quz-EC	Cusco Quechua, Ecuador
0x0873	ti-ET	Tigrinya, Ethiopia
0x0c01	ar-EG	Arabic, Egypt
0x0c04	zh-HK	Chinese, Hong Kong
0x0c07	de-AT	German, Austria
0x0c09	en-AU	English, Australia
0x0c0a	es-ES	Spanish, Spain
0x0c0c	fr-CA	French, Canada
0x0c1a	sr-Cyrl-CS	Serbian, Cyrillic, Serbia and Montenegro
0x0c3b	se-FI	Northern Sami, Finland
0x0c5f	tmz-MA	Tamanaku, Morocco
0x0c6b	quz-PE	Cusco Quechua, Peru
0x1001	ar-LY	Arabic, Libyan Arab Jamahiriya
0x1004	zh-SG	Chinese, Singapore
0x1007	de-LU	German, Luxembourg
0x1009	en-CA	English, Canada
0x100a	es-GT	Spanish, Guatemala
0x100c	fr-CH	French, Switzerland
0x101a	hr-BA	Croatian, Bosnia and Herzegovina
0x103b	smj-NO	Lule Sami, Norway
0x1401	ar-DZ	Arabic, Algeria
0x1404	zh-MO	Chinese, Macao
0x1407	de-LI	German, Liechtenstein
0x1409	en-NZ	English, New Zealand

Value	Language identifier	Language
0x140a	es-CR	Spanish, Costa Rica
0x140c	fr-LU	French, Luxembourg
0x141a	bs-Latn-BA	Bosnian, Latin, Bosnia and Herzegovina
0x143b	smj-SE	Lule Sami, Sweden
0x1801	ar-MA	Arabic, Morocco
0x1809	en-IE	English, Ireland
0x180a	es-PA	Spanish, Panama
0x180c	fr-MC	French, Monaco
0x181a	sr-Latn-BA	Serbian, Latin, Bosnia and Herzegovina
0x183b	sma-NO	Southern Sami, Norway
0x1c01	ar-TN	Arabic, Tunisia
0x1c09	en-ZA	English, South Africa
0x1c0a	es-DO	Spanish, Dominican Republic
0x1c0c	fr-West	French
0x1c1a	sr-Cyrl-BA	Serbian, Cyrillic, Bosnia and Herzegovina
0x1c3b	sma-SE	Southern Sami, Sweden
0x2001	ar-OM	Arabic, Oman
0x2009	en-JM	English, Jamaica
0x200a	es-VE	Spanish, Venezuela
0x200c	fr-RE	French, Réunion
0x201a	bs-Cyrl-BA	Bosnian, Cyrillic, Bosnia and Herzegovina
0x203b	sms-FI	Skolt Sami, Finland
0x2401	ar-YE	Arabic, Yemen
0x2409	en-CB	English
0x240a	es-CO	Spanish, Colombia
0x240c	fr-CG	French, Congo
0x241a	sr-Latn-RS	Serbian, Latin, Serbia
0x243b	smn-FI	Inari Sami, Finland
0x2801	ar-SY	Arabic, Syrian Arab Republic
0x2809	en-BZ	English, Belize
0x280a	es-PE	Spanish, Peru
0x280c	fr-SN	French, Senegal
0x281a	sr-Cyrl-RS	Serbian, Cyrillic, Serbia
0x2c01	ar-JO	Arabic, Jordan
0x2c09	en-TT	English, Trinidad and Tobago

Value	Language identifier	Language
0x2c0a	es-AR	Spanish, Argentina
0x2c0c	fr-CM	French, Cameroon
0x2c1a	sr-Latn-ME	Serbian, Latin, Montenegro
0x3001	ar-LB	Arabic, Lebanon
0x3009	en-ZW	English, Zimbabwe
0x300a	es-EC	Spanish, Ecuador
0x300c	fr-CI	French, Côte d'Ivoire
0x301a	sr-Cyrl-ME	Serbian, Cyrillic, Montenegro
0x3401	ar-KW	Arabic, Kuwait
0x3409	en-PH	English, Philippines
0x340a	es-CL	Spanish, Chile
0x340c	fr-ML	French, Mali
0x3801	ar-AE	Arabic, United Arab Emirates
0x3809	en-ID	English, Indonesia
0x380a	es-UY	Spanish, Uruguay
0x380c	fr-MA	French, Morocco
0x3c01	ar-BH	Arabic, Bahrain
0x3c09	en-HK	English, Hong Kong
0x3c0a	es-PY	Spanish, Paraguay
0x3c0c	fr-HT	French, Haiti
0x4001	ar-QA	Arabic, Qatar
0x4009	en-IN	English, India
0x400a	es-BO	Spanish, Bolivia
0x4409	en-MY	English, Malaysia
0x440a	es-SV	Spanish, El Salvador
0x4809	en-SG	English, Singapore
0x480a	es-HN	Spanish, Honduras
0x4c0a	es-NI	Spanish, Nicaragua
0x500a	es-PR	Spanish, Puerto Rico
0x540a	es-US	Spanish, United States
0x641a	bs-Cyrl	Bosnian, Cyrillic
0x681a	bs-Latn	Bosnian, Latin
0x6c1a	sr-Cyrl	Serbian, Cyrillic
0x701a	sr-Latn	Serbian, Latin
0x703b	smn	Inari Sami

Value	Language identifier	Language
0x742c	az-Cyrl	Azerbaijani, Cyrillic
0x743b	sms	Skolt Sami
0x7804	zh	Chinese
0x7814	nn	Norwegian Nynorsk
0x781a	bs	Bosnian
0x782c	az-Latn	Azerbaijani, Latin
0x783b	sma	Southern Sami
0x7843	uz-Cyrl	Uzbek, Cyrillic
0x7850	mn-Cyrl	Mongolian, Cyrillic
0x785d	iu-Cans	Inuktitut, Unified Canadian Aboriginal Syllabics
0x7c04	zh-Hant	Chinese, Han (Traditional variant)
0x7c14	nb	Norwegian Bokmål
0x7c1a	sr	Serbian
0x7c28	tg-Cyrl	Tajik, Cyrillic
0x7c2e	dsb	Lower Sorbian
0x7c3b	smj	Lule Sami
0x7c43	uz-Latn	Uzbek, Latin
0x7c50	mn-Mong	Mongolian, Mongolian
0x7c5d	iu-Latn	Inuktitut, Latin
0x7c5f	tzm-Latn	Central Atlas Tamazight, Latin
0x7c68	ha-Latn	Hausa, Latin

6. MAPI data types

6.1. MAPI X.400 object identifiers (MAPIOID)

The MAPI X.400 object identifiers are used by the following properties:
· 0x3702 (PR_ATTACH_ENCODING)
· 0x370a (PR_ATTACH_TAG)

The MAPI X.400 object identifier consists of:

offset	size	value	description
0	7		The MAPI prefix 0x2a 0x86 0x48 0x86 0xf7 0x14 0x03
7	1		Object identifier type 0x0a => tag 0x0b => encoding
8	...		Object identifier data Known tags (0x0a)

offset	size	value	description
			0x01 => TNEF
			0x03 => OLE
			0x03 0x01 => OLE1
			0x03 0x01 0x01 => OLE1 storage
			0x03 0x02 => OLE2
			0x03 0x02 0x01 => OLE2 storage
			0x04 => Unknown (MacBinary related?)
			Known encodings (0x0b)
			0x01 => MacBinary
			0x04 => Mime Tag

```
References:
initoid.h
mapioid.h

OID 1 0xb0 0xb1
OID 2 0xb0 0xb1 0xb2
OID 3 0xb0 0xb1 0xb2 0xb3
OID 4 0xb0 0xb1 0xb2 0xb3 0xb4

[MSDN]
For complete information on these object identifiers, see the documentation on
ASN.1, X.208, and X.209. The object identifier is found in the application-
reference element of the FTBP (File Transfer Body Part) environment.
```

```
libpff_table_read_entry_value: table set: 000 entry: 006 item entry type
: 0x370a (PR_ATTACH_TAG : Attachment application tag)
libpff_table_read_entry_value: table set: 000 entry: 006 item entry value type
: 0x0102 (PT_BINARY : Binary data)
libpff_table_read_entry_value: table set: 000 entry: 006 item entry value
: at offset: 211 of size: 9
00000000: 2a 86 48 86 f7 14 03 0a  04                      *.H..... .

found with a MacBinary PR_ATTACH_ENCODING
```

6.2. The MAPI unique identifier (MAPIUID)

The MAPIUID is a little-endian version of a GUID.

TheMAPIUID is used by the following entry types:
· 0x3414 (PidTagStoreProvider)
· 0x3615 (PidTagAbProviderId)

6.3. The embedded object

The embedded object has a value type of 0x000d (Embedded object)

The embedded object is used by the following entry types:
· 0x3701 (PidTagAttachDataObject)

The embedded object is 8 bytes of size and consists of:

offset	size	value	description
0	4		Local descriptor identifier
4	4		<mark>Unknown</mark>

6.4. The entry identifier structure (ENTRYID)

The entry type should be of value type 0x0102 (Binary data). The entry identifier is used to define object specific references in a generic way.

The entry identifier structure is variable of size and consists of:

offset	size	value	description
0	4		Flags Byte array
4	16		Service provider identifier MAPIUID
20	...		Object identifier

6.4.1. The entry identifier flags

The first byte of the entry identifier flags can contain the following flags:

Bit(s)	Identifier	Description
0x08	MAPI_NOTRESERVED	Other users cannot access the entry identifier
0x10	MAPI_NOW	The entry identifier cannot be used at other times
0x20	MAPI_THISSESSION	The entry identifier cannot be used on other sessions.
0x40	MAPI_NOTRECIP	The entry identifier cannot be used as a recipient on a message
0x80	MAPI_SHORTTERM	The entry identifier is short-term. All other values in this byte must be set unless other uses of the entry identifier are enabled.

<mark>Seen 0xff being used in 0x684e of IPM.Microsoft.WunderBar.Link</mark>

```
Entry identifier from and Exchange database table: Folders, column: N3616
Flags                            : 0xef, 0x00, 0x00, 0x00
Service provider identifier    : 19f83992-c48f-47bf-bada-7aaea4ef8ad9
(Unknown)
Object identifier data:
Descriptor identifier           : 1049576
```

The second byte of the entry identifier flags can contain the following flags:

Bit(s)	Identifier	Description
0x80	MAPI_COMPOUND	

6.4.2. The service provider identifier

Identifier	Service provider
a41f2b81-a3be-1910-9d6e-00dd010f5402	One-off entry identifier
c840a7dc-42c0-1a10-b4b9-08002b2fe182	X500 address <mark>Main address book?</mark>
<mark>4a2f9232-b9d7-4afc-a1d5-9634785b50af</mark>	<mark>Folder reference (32-bit)</mark>
<mark>4b2ef2ba-7cd4-4f00-a536-a91f779c1d42</mark>	<mark>Folder reference (64-bit)</mark>
<mark>828a5cbd-68fa-49e8-bfab-60c8b4ee1bf6</mark>	<mark>Folder reference (32-bit) (Outlook 2000)</mark>
<mark>829f38c5-0f8f-48db-942b-2adceac3d50b</mark>	<mark>Folder reference (64-bit) (Outlook 2003 11.0)</mark>
94e24743-0110-4003-a103-7e01054f2e69	<mark>Unknown</mark>

6.4.3. Object identifiers

Folder reference

<mark>The folder reference has service provider identifier:</mark>
•   <mark>4a2f9232-b9d7-4afc-a1d5-9634785b50af</mark>
•   <mark>4b2ef2ba-7cd4-4f00-a536-a91f779c1d42</mark>
•   <mark>828a5cbd-68fa-49e8-bfab-60c8b4ee1bf6</mark>
•   <mark>829f38c5-0f8f-48db-942b-2adceac3d50b</mark>

The folder reference entry identifier is used by the following entry types:
•   0x3416
•   0x35e0 (PR_IPM_SUBTREE_ENTRYID)
•   0x35e2 (PR_IPM_OUTBOX_ENTRYID)
•   0x35e3 (PR_IPM_WASTEBASKET_ENTRYID)
•   0x35e4 (PR_IPM_SENTMAIL_ENTRYID)
•   0x35e5 (PR_VIEWS_ENTRYID)
•   0x35e6 (PR_COMMON_VIEWS_ENTRYID)
•   0x35e7 (PR_FINDER_ENTRYID)
•   0x36d0 (PR_IPM_APPOINTMENT_ENTRYID)
•   0x36d1 (PR_IPM_CONTACT_ENTRYID)
•   0x36d3 (PR_IPM_NOTE_ENTRYID)
•   0x36d4 (PR_IPM_TASK_ENTRYID)
•   0x36d5 (PR_REMINDERS_ONLINE_ENTRYID)
•   0x36d7 (PR_IPM_DRAFTS_ENTRYID)

The object identifier is 4 bytes of size and consists of:

offset	size	value	description
0	4		(item) descriptor identifier

94e24743-0110-4003-a103-7e01054f2e69

One-off entry identifier

The one-off entry identifier has service provider identifier:
• a41f2b81-a3be-1910-9d6e-00dd010f5402

The one-off entry identifier is used by the following entry types:
• 0x003f (PR_RECEIVED_BY_ENTRYID)
• 0x0041 (PR_SENT_REPRESENTING_ENTRYID)
• 0x0043 (PR_RCVD_REPRESENTING_ENTRYID)
• 0x0c19 (PR_SENDER_ENTRYID)
• 0x0e0a (PR_SENTMAIL_ENTRYID)

One-off entry identifiers are used for addresses not found in any available address books.

The object identifier of the one-off entry identifier consists off:

offset	size	value	description
0	2	0x00000	Version
2	2		Flags
4	...		Display name ASCII or Unicode string terminated by NUL-character
...	...		Address type ASCII or Unicode string terminated by NUL-character See section: 4.5 Address type definitions
...	...		E-mail address ASCII or Unicode string terminated by NUL-character

One-off entry identifier flags

The one-off entry identifier flags

Value	Identifier	Description
0x0001	MAPI_ONE_OFF_NO_RICH_	Set if a recipient should not receive message

Value	Identifier	Description
	INFO	content in the Transport Neutral Encapsulation Format (TNEF)
0x1000		Unknown
0x8000	MAPI_ONE_OFF_UNICODE	Set if the display name and e-mail address are Unicode strings

X500 address

The X500 address has service provider identifier:
- c840a7dc-42c0-1a10-b4b9-08002b2fe182

The X500 address entry identifier is used by the following entry types:
- 0x003f (PR_RECEIVED_BY_ENTRYID)
- 0x0041 (PR_SENT_REPRESENTING_ENTRYID)
- 0x0043 (PR_RCVD_REPRESENTING_ENTRYID)
- 0x0c19 (PR_SENDER_ENTRYID)
- 0x0e0a (PR_SENTMAIL_ENTRYID)

offset	size	value	description
0	4	0x00000001	Unknown X500 type indicator?
4	4	0x00000000 0x00000001	Unknown
10			X500 address ASCII string terminated by NUL-character

6.5. The entries structure

The entries structure has a value type of 0x0102 (Binary data). It is basically an array of entry identifiers. The entries structure is used by:
- 0x004f (PR_REPLY_RECIPIENT_ENTRIES)

The entries structure is variable of size and consists of:

offset	size	value	description
0	4		The number of entries
4	4		The size of the entries
Entries			
8	4		Entry data size
12	...		Entry data (consists of an entry identifier structure)

6.6. The multi value entry identifiers structure

The multi value entry identifiers structure has a value type of 0x1102 (Array of Binary data values). It is basically an array followed by an entry identifier. The multi value entry identifiers structure is used by:
- 0x36d8 (PR_ADDITIONAL_REN_ENTRYIDS)
- 0x36e4 (PR_FREEBUSY_ENTRYIDS)

The entries structure is variable of size and consists of:

offset	size	value	description
0	4		The number of entries
Entries			
4	4		Entry identifier offset The offset is relative to the start of the multi value entry identifiers structure and stored after the entries
Entries data (stored after the entries)			
...	24		Entry data (consists of an entry identifier structure)

Contains a folder reference entry identifier; is the size fixed or does it need to be determined run-time?

6.7. The change key structure

The change key structure has a value type of 0x0102 (Binary data).
And is used by:
- 0x65e2 (PR_CHANGE_KEY)

The change list structure consists of a variable size:

offset	size	value	description
10	16		GUID
16	...		Data

6.8. The change list structure

The change list (PredecessorChangeList) structure has a value type of 0x0102 (Binary data).
And is used by:
- 0x65e3 (PR_PREDECESSOR_CHANGE_LIST)

The change list structure consists of multiple entries of a variable size:

offset	size	value	description
0	1		Size
1	16		GUID

offset	size	value	description
17	Size – 16		<mark>Data</mark>

<mark>The first (in PST) and the second (in OST) entry (GUID + Data) equals the search key</mark>

<mark>Contains a set of external identifiers (XIDs) (is GUID) that represent change numbers of messaging objects in different replicas. The order of the XIDs does not have significance for interpretation, but is significant for serialization and deserialization. The set of XIDs MUST be serialized without padding as an array of SizedXid structures binary-sorted by the value of NamespaceGuid field of the XID structure in the ascending order.</mark>

6.9. The conversation index structure

The conversation index structure has a value type of 0x0102 (Binary data). The conversation index structure is used by:
- 0x0071 (PidTagConversationIndex)

The conversation index structure consists of:
- a header block
- optional child blocks

The header block is 22 bytes of size and consists of:

offset	size	value	description
0	6		Current system time in UTC The 6 most significant bytes of a filetime structure in big-endian According to [MAPI] the first byte is reserved 0x01, however it makes more sense that the first byte is part of the current system time
6	16		GUID <mark>It is assumed that the GUID is also in big-endian</mark>

The current system time can be converted into a little-endian filetime stream, in which the lower 32-bit of the filetime are stored first.

```
stream[ 0 ] = 0
stream[ 1 ] = 0
stream[ 2 ] = header_block[ 5 ]
stream[ 3 ] = header_block[ 4 ]
stream[ 4 ] = header_block[ 3 ]
stream[ 5 ] = header_block[ 2 ]
stream[ 6 ] = header_block[ 1 ]
stream[ 7 ] = header_block[ 0 ]
```

The stream needs to be converted into two 32-bit values.

```
filetime.lower = convert_stream_to_32bit( stream[ 0 – 3 ], little_endian )
filetime.upper = convert_stream_to_32bit( stream[ 4 – 7 ], little_endian )
```

The child blocks is 5 bytes of size and consists of:

offset	size	value	description
0	1 bit		The time range bit Represents the difference between the current time and the time stored in the header block.
0.1	31 bits		Current system time delta The difference between the current time and the time in the previous header or child block expressed in filetime units. This value is stored in big-endian. Note that MSDN refers to this as the difference between the current time and the header block, after looking at the creation time of multiple e-mail messages this does not make sense.
4	4 bits		A random number generated by calling the Win32 function GetTickCount.
4.4	4 bits		A sequence count that is taken from part of the random number.

The current system time delta is represented in two different ways. If the time range bit is:
- not set (0) the difference is less than .02 second and greater than two years. This results in that the high 15 bits and the low 18 bits of the current system time in the header block are discarded.
- set (1) the difference is less than one second and greater than 56 years. This results in that the high 10 bits and the low 23 bits of the current system time in the header block are discarded.

6.10. The embedded object information reference record

The entry type should be of value type 0x000d (Embedded object)

The Embedded object information reference record consists of 8 bytes:

offset	size	value	description
0	4		The descriptor index identifier
4	4		The object size

6.11. The security descriptor structure

The entry type should be of value type 0x0102 (Binary data)

The security descriptor structure is used by the following entry types:
- 0x0e27 (ptagNTSD)
- 0x3d21 (ptagAdminNTSD)

The security descriptor is variable of size and consists of:

- security descriptor transfer header
- NT security descriptor

The security descriptor transfer header is variable of size and consists of:

offset	size	value	description
0	2		Byte size of the header
2	2		The version (SECURITY_DESCRIPTOR_TRANSFER_VERSION)
4	4		Security information flags
8	...		Additional data

The additional data consists of:

```
//              <0 or more>
//                      2 BYTES                                  Property Tag
//                      16 BYTES                                 Named Property
GUID
//                      1 BYTE                                   Named property
"kind"
//                      if (kind == MNID_ID)
//                              4 BYTES                          Named property
ID
//                      else
//                              <null terminated property name in UNICODE!!!!!>
```

The security descriptor transfer header is followed by the NT security descriptor which is also used in several other parts of Windows NT, like NTFS. See working document about: NT security descriptor definitions

Security information flags

Value	Identifier	Description
0x00000001	OWNER_SECURITY_INFORMATION	The owner identifier of the object is being referenced.
0x00000002	GROUP_SECURITY_INFORMATION	The primary group identifier of the object is being referenced.
0x00000004	DACL_SECURITY_INFORMATION	The DACL of the object is being referenced.
0x00000008	SACL_SECURITY_INFORMATION	The SACL of the object is being referenced.
0x00000010	LABEL_SECURITY_INFORMATION	The mandatory integrity label is being referenced.
0x10000000	PROTECTED_SACL_SECURITY_INFORMATION	The SACL cannot inherit ACEs.
0x20000000	PROTECTED_DACL_SECURITY_INFORMATION	The DACL cannot inherit access control entries (ACEs).
0x40000000	UNPROTECTED_SACL_SEC	The SACL inherits ACEs from the parent object.

Value	Identifier	Description
	URITY_INFORMATION	
0x80000000	UNPROTECTED_DACL_SEC URITY_INFORMATION	The DACL inherits ACEs from the parent object.

6.12. The free/busy data structure

The entry type should be of value type 0x0102 (Binary data)

The free/busy data structure is used by the following entry types:
- 0x686c (PR_PERSONAL_FREEBUSY)

Item type 0x686c with value type 0x0102
```
00000000: ef be ad de 40 00 00 00   00 00 01 00 00 00 00 00
00000010: 00 00 00 00 00 00 00 00   08 00 00 00 04 00 00 00
00000020: 00 00 00 00 00 00 00 00   00 00 00 00 00 00 00 00
00000030: 00 30 85 90 7a 93 c8 01   00 f0 4b 09 4c b2 c9 01
```

6.13. The appointment recur structure

The entry type should be of value type 0x0102 (Binary data)

The appointment recur structure is used by the following entry types:
- 0x8216 (PidLidAppointmentRecur)

TODO
```
00000000: 04 30 04 30 0b 20 01 00   00 00 c0 21 00 00 01 00   .0.0. .. ...!....
00000010: 00 00 00 00 00 00 20 00   00 00 23 20 00 00 0a 00   ...... . ..# ....
00000020: 00 00 00 00 00 00 00 00   00 00 00 00 00 00 60 71   ........ ......`q
00000030: c7 0c df 80 e9 5a 06 30   00 00 08 30 00 00 1c 02   .....Z.0 ...0....
00000040: 00 00 3a 02 00 00 00 00   00 00 00 00 00 00 00 00   ..:..... ........
```

6.14. The time zone structure

The entry type should be of value type 0x0102 (Binary data)

The time zone structure is used by the following entry types:
- 0x8233 (PidLidTimeZoneStruct)

TODO
```
00000000: c4 ff ff ff 00 00 00 00   c4 ff ff ff 00 00 00 00   ........ ........
00000010: 0a 00 00 00 05 00 03 00   00 00 00 00 00 00 00 00   ........ ........
00000020: 00 00 03 00 00 00 05 00   02 00 00 00 00 00 00 00   ........ ........
```

6.15. The time zone definitions structure

The entry type should be of value type 0x0102 (Binary data)

The time zone definitions structure is used by the following entry types:

- 0x825e (PidLidAppointmentTimeZoneDefinitionStartDisplay)
- 0x825f (PidLidAppointmentTimeZoneDefinitionEndDisplay)

```
00000000: 02 01 34 00 02 00 17 00  57 00 2e 00 20 00 45 00  ..4..... W... .E.
00000010: 75 00 72 00 6f 00 70 00  65 00 20 00 53 00 74 00  u.r.o.p. e. .S.t.
00000020: 61 00 6e 00 64 00 61 00  72 00 64 00 20 00 54 00  a.n.d.a. r.d. .T.
00000030: 69 00 6d 00 65 00 01 00  02 01 3e 00 02 00 41 06  i.m.e... ..>...A.
00000040: 00 00 00 00 00 00 00 00  00 00 00 00 00 00 c4 ff  ........ ........
00000050: ff ff 00 00 00 00 c4 ff  ff ff 00 00 0a 00 00 00  ........ ........
00000060: 05 00 03 00 00 00 00 00  00 00 00 00 03 00 00 00  ........ ........
00000070: 05 00 02 00 00 00 00 00  00 00                    ........ ..
```

6.16. The extended folder flags structure

The entry type should be of value type 0x0102 (Binary data)

The extended folder flags are used by the following entry types:
- 0x36da (PidTagExtendedFolderFlags)
- 0x6848 (PidTagSearchFolderEfpFlags)

> *This property is a binary stream that contains encoded sub-properties for the folder. It is formatted as a series of variable length sub items. The first 8 bits of the sub item is an ID field, which indicates what kind of flag the sub item represents. The second 8 bits is the number of bytes of data that follow. [MAPI]*

offset	size	value	description
0	1		Extended flag type
1	1		Extended flag data size
2	...		Extended flag data

Extended flags types:

Value	Name	Remarks
0x00	Invalid	Do not use this value
0x01	ExtendedFlags	
0x02	SearchFolderID	The data field is a 16-byte field. When the application creates a persistent search folder, it must set this field on the folder to the same value as the PR_WB_SF_TAG (PidTagSearchFolderId) binary property on the Search Folder Message.
0x03	SearchFolderTag	Specified in [MS- OXOSRCH]
0x04	Reserved	
0x05	ToDoFolderVersion	The data field is a 4-byte field. When the application creates the to-do search folder, it must set the value of this field on the folder to the little-endian integer value of" 0x000c0000":
0x06	Reserved	

Extended flag data of type: ExtendedFlags

Bits	Description
0-1	Reserved.
2	Set to 0 if the application should show a policy description.
3-5	Reserved.
6-7	Controls the display of the number of messages in the folder. 0x00 – Use the default setting 0x01 – Use the number of unread messages 0x02 – Use the total number of messages 0x03 - Invalid
8-31	Reserved.

Example:
```
0x36da (PidTagExtendedFolderFlags : Extended folder flags)
0x0102 (PT_BINARY : Binary data)
00000000: 01 04 00 00 10 00

01 => extended flags
04 => 32-bit value
0x00100000 => some unknown flag is set
```

```
01 04 00 00 00 01 (Reminders)
01 04 00 00 10 00 (Deleted Items, Inbox, Outbox, Sent Items, Calendar,
Journal, Drafts, Notes, RSS Feeds, Tasks, Renamed by MAE)
01 04 08 00 10 00 (Sync Issues, Conflicts, Local Failures, Server Failures)
01 04 00 00 40 00 05 04  00 00 0c 00 (To-Do Search)
01 04 00 00 40 00 (Tracked Mail Processing)
01 04 00 40 10 00 (Contacts)
01 04 00 80 1e 00 (Junk E-mail)
06 04 02 00 00 00 (IPM_SUBTREE)
```

6.17. The global identifier structure

The entry type should be of value type 0x0102 (Binary data)

The global identifier structure (GID) used by the following entry types:
- TODO

offset	size	value	description
0	16		Database identifier Contains a GUID
16	6		Item object identifier (or global counter)

6.18. The message identifier structure

The entry type should be of value type 0x0014 (Integer 64-bit signed)

The message identifier structure (MID) used by the following entry types:
- 0x674a (PidTagMid)

offset	size	value	description
0	2		Store object identifier (or replica identifier)
2	6		Message object identifier (or global counter)

6.19. The folder identifier structure

The entry type should be of value type 0x0014 (Integer 64-bit signed)

The folder identifier structure (FID) used by the following entry types:
- 0x6748 (PidTagFolderId)

offset	size	value	description
0	2		Store object identifier (or replica identifier)
2	6		Folder object identifier (or global counter)

6.20. The folder web view information structure

TODO

```
The following is a parse of the sample data for the WebViewPersistenceObject
stream.

dwVersion
    Offset 0x0, 4 bytes: 0x00000002 (WEBVIEW_PERSISTENCE_VERSION).

dwType
    Offset 0x4, 4 bytes: 0x00000001 (WEBVIEWURL).

dwFlags
    Offset 0x8, 4 bytes: 0x00000001 (WEBVIEW_FLAGS_SHOWBYDEFAULT).

dwUnused[7]
    Offset 0xC, 28 bytes: all zeros.

cbData
    Offset 0x28, 4 bytes: 0x00000032.

wzURL
    Offset 0x2C, 0x32 bytes: array of 25 WCHARs. A Unicode zero-terminated
string value: "http://www.microsoft.com".
```

6.21. Other structures

6.21.1. The 0x6835 (binary view data) structure

The entry type should be of value type 0x0102 (Binary data)

The 0x6835 (binary view data) structure is used by the following entry types:
• 0x6835 (binary view data)

offset	size	value	description
0	4		Signature 0xda 0xda 0x00 0x00
4	4		Empty
8	4		Unknown 0x5c 0xed 0x01 0x00 0x6c 0xed 0x01 0x00
12	4		Unknown 0x33 0x0c 0x00 0x00
16	4		Unknown 0x80 0x80 0x80 0x00
20	4		Unknown 0x03 0x00 0x00 0x00
24	4		Unknown 0x08 0x00 0x00 0x00
28	4		Size of the collapse state
32	...		Collapse state data

Examples of the collapse state data

```
00000020: 52 4d 4a 47 02 00 00 00  44 63 30 00 ff ff 02 00    RMJG.... Dc0.....
00000030: 03 00 00 00 01 00 00 00  01 00 00 00 03 00 90 10    ........ ........
00000040: 00 00 00 00 03 00 95 10  00 00 00 00 40 00 06 0e    ........ ....@...
00000050: 01 00 00 00 44 63 30 00  24 d1 2e 00 01 01          ....Dc0. $.....
```

```
00000020: 41 67 67 54 61 62 53 74  61 74 65 00 0c 00 00 00    AggTabSt ate.....
00000030: 01 00 00 00 01 00 00 00  0c 00 00 00 01 00 00 00    ........ ........
00000040: 01 00 00 00 00 00 00 00                             ........
```

Font related data (related to the 0x80 0x80 0x80 0x00 value?)

offset	size	value	description
0	2		Size of the following string in little-endian 0x08 0x00
2	8	"Segoe UI"	Unknown Name of font
10	2		Unknown

offset	size	value	description
			0x50 0x00
12	2		Unknown 0x20 0x00
14	2		Unknown 0x40 0x00
16	4		Unknown
20	2		Size of the following string in little-endian 0x08 0x00
22	8	"Segoe UI"	Unknown Name of font
30	2		Unknown 0x50 0x00
32	2		Unknown 0x20 0x00
34	2		Unknown 0x40 0x00
36	4		Unknown
40	2		Size of the following string in little-endian 0x08 0x00
42	8	"Segoe UI"	Unknown Name of font
50	2		Unknown 0x50 0x00
52	2		Unknown 0x20 0x00
54	2		Unknown 0x40 0x00
56	4		Unknown
60	4		Unknown 0x10 0x00 0x00 0x00
64	4		Unknown 0x58 0x00 0x00 0x00
68	4		Unknown 0xf4 0x01 0x00 0x00
72	12		Empty
84	4		Number of visible columns
88	(amount x 4)		Visible column order Contains the column index number
...	4		Number of column definitions

offset	size	value	description
....	...		Column definition entries

Column definition entry

offset	size	value	description
0	4		Unknown 0x06 0x1f 0x00 0x00 0x09 0x1f 0x00 0x00 0x11 0x0a 0x40 0x08
4	4		Unknown 0x80 0x04 0x03 0x00 0x80 0x02 0x00 0x00 0x00 0x01 0x00 0x00
8	4		Unknown 0x00 0x06 0x00 0x00 0x00 0x09 0x00 0x00 0x00 0x11 0x00 0x00 Relates to value at offset 0
12	2		Unknown 0x00 0x00
14	2		Property value type
15	1		Unknown 0x00 => empty 0x02 => Class identifier
16	...		Data after previous unknown
...	1		Unknown 0x00 => empty 0x01 => 2 byte number of characters + UTF-16 string
...	...		Data after previous unknown
...	2		Property entry type
...	2		Unknown 0x00 0x00
	1		Unknown 0x00 => empty 0x02 => 20 bytes data ? 0x03 => 7 bytes data? 0x04 => 4 bytes data 0x06 =>
	...		Data after previous unknown
	1		Unknown 0x00 => empty 0x0b => 14 bytes data ? 0x0e => 7 bytes data ?

offset	size	value	description
	...		<mark>Data after previous unknown</mark>
...	1		<mark>Unknown 0x00 => empty</mark>
...	...		<mark>Data after previous unknown</mark>
...	1		<mark>Unknown 0x00 => empty 0x01 => byte</mark>
...	...		<mark>Data after previous unknown</mark>
...	4		<mark>Unknown 0x00 0x00 0x00 0x00</mark>
...	2		Narrow heading string length in big-endian
...	...		Narrow heading string ASCII string not NUL-terminated
...	2		<mark>Unknown 0x64 0x00</mark>
...	2		<mark>Unknown 0x02 0x00</mark>
...	2		<mark>Unknown 0x00 0x00</mark>
...	2		Text alignment <mark>0x49 0x01 align left 0x6a 0x01 align center</mark>
...	2		<mark>Unknown 0x00 0x00</mark>
...	2		Column width
...	4		Column index number in big-endian <mark>0x00fe (not used column?)</mark>
...	1		<mark>Unknown 0x00 0xff (not used column?)</mark>
...	1		<mark>Unknown 0x01 0x02</mark>
...	4		Wide heading string byte size
...	2		Wide heading string length in big-endian byte size = length x 2
...	...		Wide heading string UTF-16 string NUL-terminated
...	2		<mark>Unknown 0x00 0x00</mark>

6.21.2. The 0x859c (PidLidSpamOriginalFolder) structure

The entry type should be of value type 0x0102 (Binary data)

The 0x859c (PidLidSpamOriginalFolder) structure is used by the following entry types:
- 0x859c (PidLidSpamOriginalFolder)

The 00x859c (PidLidSpamOriginalFolder) structure consists of multiple entries of a variable size:

offset	size	value	description
0	4		Empty
4	16		GUID
20	2		Unknown 01 00
22	16		GUID
38	4		Empty
42	4		Unknown

7. MAPI data

7.1. The message body

Both the plain text message body (PidTagBody) and the HTML message body (PidTagBodyHtml) are stored using a codepage. The codepage (character set) used can determined as following:
1. use the PidTagInternetCodepage if available
2. else use the PidTagMessageCodepage if available
3. else use the system codepage.

Note that some items do contain both a PidTagInternetCodepage and PidTagMessageCodepage, but the PidTagMessageCodepage is used to code the plain text message body (PidTagBody).

8. Item classes

The item classes are defined by the MAPI interface definitions:

Item class	Corresponding MAPI interface	Parent MAPI interface
	IMAPIProp	(IUnknown)
Container	IMAPIContainer	IMAPIProp
Folder	IMAPIFolder	IMAPIContainer
Message	IMessage	IMAPIProp
Message store	IMsgStore	IMAPIProp
Address book folder	IABContainer	IMAPIContainer
Attachment	IAttach	IMAPIProp

Item class	Corresponding MAPI interface	Parent MAPI interface
Distribution list	IDistList	IMAPIContainer
Task		
Appointment		
Contact		

IUnknown is not a MAPI interface, but actually a COM interface that specifies the most basic of interfaces. IMAPIProp is the most basic MAPI interface.

8.1. Object type

MAPI items sometimes define 0x0ffe PidTagObjectType (PR_OBJECT_TYPE). This value contains the following values.

Value	Identifier	Description
0x00000001	MAPI_STORE	Message store
0x00000002	MAPI_ADDRBOOK	Address book
0x00000003	MAPI_FOLDER	Folder
0x00000004	MAPI_ABCONT	Address book container
0x00000005	MAPI_MESSAGE	Message
0x00000006	MAPI_MAILUSER	(Individual) Recipient
0x00000007	MAPI_ATTACH	Attachment
0x00000008	MAPI_DISTLIST	Distribution list (recipient)
0x00000009	MAPI_PROFSECT	Profile section
0x0000000a	MAPI_STATUS	Status object
0x0000000b	MAPI_SESSION	Session
0x0000000c	MAPI_FORMINFO	Form information

8.2. Container class definitions

The container classes are defined by PidTagContainerClass (PR_CONTAINER_CLASS). The following are known:

Message type	Usage
IPF	(inter-personal folder)
IPF.Note	Folder containing e-mails
IPF.Appointment	Folder containing appointments
IPF.Contact	Folder containing contacts
IPF.Journal	Folder containing journal entries (activities)
IPF.StickyNote	Folder containing notes

Message type	Usage
IPF.Task	Folder containing tasks
Outlook.ItemProcessor	
IPF.Note.OutlookHomepage	(used by RSS Feeds folder)

8.3. Message class definitions

Message classes are defined by PidTagMessageClass (PR_MESSAGE_CLASS). The IPM prefix stands for inter-personal message and is used for virtually all the visible items used in Microsoft Outlook. The message class can have a prefix like REPORT and a suffix like NDR. The middle portion of the message class describes the item type.

Item type	Usage
IPM	Common (inter-personal message) Items for which the specified form cannot be found
IPM.Activity	Journal entry
IPM.Appointment	Appointment
IPM.Configuration.*	Configuration
IPM.Conflict.Message	Conflict message
IPM.Contact	Contact
IPM.DistList	Distribution list
IPM.Document.*	Document
IPM.OLE.Class	The exception item of a recurrence series
IPM.OLE.CLASS.{00061055-0000-0000-C000-000000000046}	Recurring appointment
IPM.Note	E-mail message (note)
IPM.FAX IPM.Note.Fax	Fax
IPM.Note.IMC.Notification	Reports from the Internet Mail Connect (the Exchange Server gateway to the Internet)
IPM.Note.Mobile.SMS	Mobile text message
IPM.Note.Mobile.MMS	Mobile multimedia message
IPM.Note.Rules.OofTemplate.Microsoft	Out-of-office template
IPM.Note.Secure	Encrypted notes to other people
IPM.Note.Secure.Sign	Digitally signed notes to other people
IPM.Note.SMIME	S/MIME e-mail
IPM.Note.SMIME.MultipartSigned	S/MIME e-mail
IPM.Note.Voicemail	Voicemail
IPM.Post	Posting note in a folder

Item type	Usage
IPM.Post.RSS	RSS feed
IPM.Report	Reporting item status
IPM.Sharing IPM.Sharing.*	<mark>Sharing</mark>
IPM.Schedule.Meeting.Request	Request for meeting
IPM.Schedule.Meeting.Resp.*	Response on request for meeting
IPM.Schedule.Meeting.Canceled	Meeting cancellation
IPM.Schedule.Meeting.Notification	Notification for meeting
IPM.StickyNote	Sticky note <mark>MSDN: Creating note</mark>
IPM.Task	Task
IPM.TaskRequest.*	Task request

Prefix	Usage
REPORT	Report According to the Exchange protocol documentation REPORT is only used with IPM.Note

Suffix	Usage
REPORT.IPM.Note.*	
REPORT.IPM.Note.DR	Delivery report The e-mail was delivered
REPORT.IPM.Note.NDR	Nondelivery report The e-mail could not be delivered
REPORT.IPM.Note.IPNRN	Read receipt The recipient read the e-mail
REPORT.IPM.Note.IPNNRN	Non-read receipt The recipient deleted the e-mail without reading
IPM.Schedule.Meeting.Resp.*	
IPM.Schedule.Meeting.Resp.Neg	Responses to decline meeting requests
IPM.Schedule.Meeting.Resp.Pos	Responses to accept meeting requests
IPM.Schedule.Meeting.Resp.Tent	A new time for the meeting is proposed <mark>MSDN: Responses to tentatively accept meeting requests</mark>
REPORT.IPM.Schedule.Meeting.Resp.*	
<mark>REPORT.IPM.Schedule.Meeting.Request.NDR</mark>	
IPM.TaskRequest.*	
IPM.TaskRequest.Accept	Responses to accept task requests

Suffix	Usage
IPM.TaskRequest.Decline	Responses to decline task requests
IPM.TaskRequest.Update	Update for a task requested
IPM.Document.*	

Other message classes:

Item type	Usage
IPM.Microsoft.ScheduleData.FreeBusy	Free Busy Schedule Data
IPM.Microsoft.FolderDesign.NamedView	
IPM.Microsoft.WunderBar.Persistence	
IPM.Microsoft.WunderBar.SFInfo	
IPM.Microsoft.WunderBar.Link	
IPM.Microsoft.MigrationStatus	
IPC.MS.Outlook.AgingProperties	
	Is used for message delivery/read notice?
IPM.ContactLinkingViews	
IPM.Contact.OlTrans	(some kind of contact class)
IPM.MessageManager	
IPM.Note.StorageQuotaWarning	Storage quota warning
IPM.Rule.Message	
IPM.RuleOrganizer	Outlook Rules Organizer
IPM.Schedule.Meeting	Meeting
IPM.ExtendedRule.Message	
IPM.Configuration.Calendar	
IPM.Configuration.AvailabilityOptions	
IPM.Configuration.WorkHours	
IPM.Configuration.RssRule	
IPM.Configuration.HomeTimeZone	
IPM.Configuration.CategoryList	

Item type	Usage
IPM.ContactLinkingViews	
IPM.Contact.OlTrans	Contact
IPM.Note.StorageQuotaWarning	
IPM.Microsoft.SniffData	

```
IPC
REPORT.IPM

MSDN:
IPM.Recall.Report    Message recall reports
IPM.Outlook.Recall   Recalling sent messages from recipient Inboxes
IPM.Remote           Remote Mail message headers
IPM.Note.Rules.ReplyTemplate.Microsoft   Editing rule reply templates
IPM.Resend           Resending a failed message
```

9. Other item classes

9.1. Name to identifier map

Item type	Value type	Identifier	Description
0x0001	0x0003	PidTagNameidBucketCount	Name-to-ID Map Number of Validation Entries Integer 32-bit signed (Hash bucket count)
0x0002	0x0102	PidTagNameidStreamGuid	Name-to-ID map Class Identifiers Contains the name-to-id map table class identifiers Binary data
0x0003	0x0102	PidTagNameidStreamEntry	Name-to-ID map Entries Contains the name-to-id map table entries Binary data
0x0004	0x0102	PidTagNameidStreamString	Name-to-ID map Strings Contains the name-to-id map table strings Binary data
0x1000 - 0xfffe	0x0102	PidTagNameidBucketBase	Name-to-ID Map Validation Entries Binary data (Hash buckets) According to [MS-PST] a hash bucket can hold up to 8 validation entries

10. Error values (SCODE)

Error values are stored in a SCODE structure. The SCODE structure is also known as HRESULT.

The SCODE structure consist of:

offset	size	value	description
0 (LSB)	16 bits		The error or warning code
2	11 bits		Error facility
3.3	1 bit		r-bit Reserved
3.4	1 bit		N-bit Reserved
3.5	1 bit		C-bit Reserved
3.6	1 bit		R-bit Reserved
3.7	1 bit		S-bit (success-bit) 0 indicates success and 1 failure.

10.1. Error facility definitions

The SCODE specifies error and warning values for different facilities:

Value	Identifier	Description
0x000	FACILITY_NULL	Used for broadly applicable common status codes such as S_OK or E_OUTOF_MEMORY.
0x001	FACILITY_RPC	For status codes returned from remote procedure calls.
0x002	FACILITY_DISPATCH	For late binding IDispatch interface errors.
0x003	FACILITY_STORAGE	For status codes returned from IStorage or IStream method calls relating to structured storage. Status codes with code (lower 16 bits) values in the range of Windows error codes (that is, less than 256) have the same meaning as the corresponding Windows errors.
0x004	FACILITY_ITF	For most status codes returned from interface methods; the value is defined by the interface. That is, two HRESULT values with exactly the same 32-bit value returned from two different interfaces might have different meanings.
0x008	FACILITY_WINDOWS	
0x010	FACILITY_SCARD	

Value	Identifier	Description
0x011	FACILITY_COMPLUS	
0x019	FACILITY_HTTP	
0x020	FACILITY_BACKGROUNDC OPY	
0x026	FACILITY_GRAPHICS	
0x027	FACILITY_NAP FACILITY_SHELL	
0x028	FACILITY_INK	
0x030	FACILITY_PLA	
0x031	FACILITY_FVE	
0x032	FACILITY_FWP	
0x034	FACILITY_NDIS	
0x7ff	FACILITY_BACKUP	
0x800	FACILITY_NTDSB	

10.2. Error values

[TODO]

11. Notes

Where is PidTagConversationTracking (Boolean) ?
Where is PidTagConversationId (Binary Data) ?

11.1. Conversation identifier

offset	size	value	description
0	2		Unknown (i)
2	4		Buffer
6	64		Unknown (in) GUID
70	16		MD5 digest hash

11.2. Subject control codes

The PidTagSubject sometimes contains 2 control code character values at the start of the string.

```
0x01 0x01
0x01 0x04  IPM.Note, ?
0x01 0x05 (RE:)
0x01 0x06  IPM.Note, ?
0x01 0x07  REPORT.IPM.Note.IPNRN, Read Receipt
0x01 0x10  REPORT.IPM.Note.NDR, Undeliverable
0x01 0x14  REPORT.IPM.Note.NDR, Undeliverable
0x01 0x1a  IPM.Note.Rules.OofTemplate.Microsoft, Out of Office AutoReply
```

11.3. IExchangeModifyTable

MAPI property	Usage
PR_RULE_ACTIONS	(Defined by MAPI)
PR_RULE_CONDITION	(Defined by MAPI)
PR_RULE_ID	(Defined by MAPI)
PR_RULE_LEVEL	(Defined by MAPI)
PR_RULE_NAME	(Defined by MAPI)
PR_RULE_PROVIDER	(Defined by MAPI)
PR_RULE_PROVIDER_DATA	(Defined by MAPI)
PR_RULE_SEQUENCE	(Defined by MAPI)
PR_RULE_STATE	(Defined by MAPI)
PR_RULE_USER_FLAGS	(Defined by MAPI)
PR_MEMBER_ENTRYID	(Defined by MAPI)
PR_MEMBER_ID	(Defined by MAPI)
PR_MEMBER_NAME	(Defined by MAPI)
PR_MEMBER_RIGHTS	(Defined by MAPI)

11.4. IMailUser

MAPI property	Usage
PR_ADDRTYPE	(Defined by MAPI)
PR_DISPLAY_NAME	(Defined by MAPI)
PR_DISPLAY_TYPE	(Defined by MAPI)
PR_EMAIL_ADDRESS	(Defined by MAPI)
PR_ENTRYID	(Defined by MAPI)
PR_OBJECT_TYPE	(Defined by MAPI)
PR_RECORD_KEY	(Defined by MAPI)
PR_SEARCH_KEY	(Defined by MAPI)
PR_ACCOUNT	(Defined by MAPI)

MAPI property	Usage
PR_ASSISTANT	(Defined by MAPI)
PR_BUSINESS_TELEPHONE_NUMBER	(Defined by MAPI)
PR_GIVEN_NAME	(Defined by MAPI)
PR_GOVERNMENT_ID_NUMBER	(Defined by MAPI)
PR_LOCALITY	(Defined by MAPI)
PR_POSTAL_ADDRESS	(Defined by MAPI)

11.5. IMAPIStatus

MAPI property	Usage
PR_DISPLAY_NAME	(Defined by MAPI)
PR_PROVIDER_DISPLAY	(Defined by MAPI)
PR_PROVIDER_DLL_NAME	(Defined by MAPI)
PR_RESOURCE_FLAGS	(Defined by MAPI)
PR_RESOURCE_METHODS	(Defined by MAPI)
PR_RESOURCE_TYPE	(Defined by MAPI)
PR_STATUS_CODE	(Defined by MAPI)

11.5.1. IProfSect

MAPI property	Usage
PR_OBJECT_TYPE	(Defined by MAPI)
PR_PROFILE_NAME	(Defined by MAPI)

11.6. COM class identifiers

Class identifier	Interface
00000000-0000-0000-c000-000000000046	IUnknown
00020400-0000-0000-c000-000000000046	IDispatch

11.7. The free/busy entry identifiers structure

The entry type should be of value type 0x0102 (Binary data)

The free/busy entry identifiers structure is used by the following entry types:
- 0x36e4 (PR_FREEBUSY_ENTRYIDS)

Item type 0x36e4 with value type 0x0102

```
00000000: 03 00 00 00 10 00 00 00   28 00 00 00 28 00 00 00
Array of 3 values followed by a folder information reference ?
00000010: 00 00 00 00 c5 38 9f 82   8f 0f db 48 94 2b 2a dc
00000020: ea c3 d5 0b 28 00 10 00
Refers to "IPM.Microsoft.ScheduleData.FreeBusy"
```

The value type should be 0x1102

11.8. Recipient types

```
#define MAPI_P1      0x10000000  /* Recipient is a P1 resend recipient      */
#define MAPI_SUBMITTED 0x80000000 /* Recipient is already processed         */
/* #define MAPI_AUTHORIZE 4       recipient is a CMC authorizing user       */
/*#define MAPI_DISCRETE 0x10000000 Recipient is a P1 resend recipient       */
```


11.9. PRQ_ID_SECURE4

```
0x0000004400000000 => SPAM Search Folder 2

0x0100000000000000 => IPM_SUBTREE
0x0200000000000000 => NON_IPM_SUBTREE
0x0300000000000000 => EFORMS REGISTRY
0x0400000000000000 => Organization Forms
0x0500000000000000 => Private root folder
0x0600000000000000 => Common Views
0x0700000000000000 => Finder
0x0800000000000000 => Shortcuts
0x0900000000000000 => Views
0x0a00000000000000 => IPM_SUBTREE
0x0f00000000000000 => ~MAPISP(Internal)

0x1000000000000000 => Drizzle
0x1200000000000000 => Shared Data
```


11.10. Outlook.prf

```
; Outlook PRF file for Exchange Server users
; -------------------------------------------
; Copyright (C), Microsoft Corporation, 1996.
;
; The following PRF file is included as an example of how to create a PRF
; file that will configure Outlook users with Exchange Server.  Section 1,
; 2, and 3 may be modified. DO NOT MODIFY SECTION 4.  It will most likely
; cause Exchange services to crash. Be very careful when editing to ensure
; property values match their property types. NOTE: The HomeServer setting
; for the Microsoft Exchange Server must be filled in before using this
; file.
;
; For information about how to disable Outlook Profile Setup and instead
; use the Inbox Setup Wizard, see NONE.PRF in the Office Resource Kit.

; ************************************************************************
;
; Section 1 - Profile defaults.
```

```
[General]
Custom=1
;    -- Required.  Indicates that this is a customized PRF file.
ProfileName=Microsoft Outlook
DefaultProfile=Yes
OverwriteProfile=Yes
DefaultStore=Service2


; ************************************************************************
;
; Section 2 - Services in profile.

[Service List]
Service1=Microsoft Outlook Client
Service2=Microsoft Exchange Server
Service3=Outlook Address Book


; ************************************************************************
;
; Section 3 - Default values for each service.

[Service1]
EmptyWastebasket=FALSE
SelectEntireWord=TRUE
AfterMoveMessage=2
CloseOriginalMessage=FALSE
GenReadReceipt=FALSE
GenDeliveryReceipt=FALSE
DefaultSensitivity=0
DefaultPriority=1
SaveSentMail=TRUE


[Service2]
ConversionProhibited=TRUE
HomeServer=Enter your Microsoft Exchange Server Name
;        Required.
;    --  The name of the Microsoft Exchange Server the user should
;    connect to.  You can specify any Microsoft Exchange Server
;    in your site, and the correct Home Server will be assigned
;    when the user first logs on.

[Service3]
Ben=TRUE
;    --  Dummy property.  Do not delete or modify.



; ************************************************************************
;
; Section 4 - Mapping for profile properties.  DO NOT MODIFY.

; ************************************************************************
;
; Microsoft Outlook Client definitions

[Microsoft Outlook Client]
SectionGUID=0a0d020000000000c000000000000046

EmptyWastebasket=PT_BOOLEAN,0x0115
;    -- A boolean value indicating whether or not to empty the
;    wastebasket on exit.

SelectEntireWord=PT_BOOLEAN,0x0118
;    -- A boolean value indicating whether or not to select entire
;    words when selecting.
```

```
AfterMoveMessage=PT_LONG,0x013B
;    -- Indicates what to do after moving or deleting a message.
;    Possible values are shown below:
;    0 - Open Next Message
;    1 - Return to Viewer
;    2 - Open Previous Message

CloseOriginalMessage=PT_BOOLEAN,0x0132
;    -- A boolean value indicating whether or not to close the
;    original message after replying.

GenReadReceipt=PT_BOOLEAN,0x0141
;    -- A boolean value indicating whether or not to generate
;    a read receipt on sent mail.

GenDeliveryReceipt=PT_BOOLEAN,0x014C
;    -- A boolean value indicating whether or not to generate
;    a delivery receipt on sent mail.

DefaultSensitivity=PT_LONG,0x014F
;    -- The default sensitivity to send mail with.
;    Possible values are shown below:
;    0 - Normal
;    1 - Personal
;    2 - Private
;    3 - Confidential

DefaultPriority=PT_LONG,0x0140
;    -- The default priority to send mail with.
;    Possible values are shown below:
;    0 - Low
;    1 - Normal
;    2 - High

SaveSentMail=PT_BOOLEAN,0x0142
;    -- A boolean value indicating whether to save a copy of
;    sent messages in the sent items folder.


; **********************************************************************
;
; Microsoft Exchange Server service definitions.

[Microsoft Exchange Server]
ServiceName=MSEMS
MDBGUID=5494A1C0297F101BA58708002B2A2517


MailboxName=PT_STRING8,0x6607
;    -- The name of the user's Exchange Server Mailbox


HomeServer=PT_STRING8,0x6608
;    -- The name of the Microsoft Exchange Server the user should
;    connect to.  You can specify any Microsoft Exchange Server
;    in your site, and the correct Home Server will be assigned
;    when the user first logs on.

OfflineFolderPath=PT_STRING8,0x6610
;        -- The path to the Offline Store File that contains
;        local replicas of the user's Mailbox and Favorites.
;        If you do not specify a value, no Offline Store will
```

```
;        be created.  If you specify a path, an Offline Store
;        will be created and the Inbox, Outbox, Deleted Items,
;        and Sent Items folders will be replicated to it.


OfflineAddressBookPath=PT_STRING8,0x660E
;    -- The path to the directory to store offline address
;    book files in.


ExchangeConfigFlags=PT_LONG,0x6601
;        -- Flags that control behavior when connecting to the Exchange
;        Server.
;        The following values are possible:
;        VALUE           RESULT
;        4               Normal
;        6               Ask whether to connect or work offline at startup.
;        12              Allow clients to be authenticated via the Internet
;        14              Combination of 6 and 12.


ConversionProhibited=PT_BOOLEAN,0x3A03
;        -- A boolean value indicating whether NEWPROF should
;        attempt to resolve the Exchange mailbox name at run time.
;        If set to TRUE, NEWPROF will copy the name to the profile
;        without resolving it.
;        If FALSE, the name will be resolved. Invalid server or
;        mailbox name will not be copied to the profile.

; **********************************************************************
;
; Microsoft Mail service definitions.


[Microsoft Mail]
ServiceName=MSFS

;        --  The path to the users post office.  Mapped network drives, UNC
;        and NETWARE paths are acceptable.  NETWARE paths of the type
;        NWServer/share:dir\dir1 are converted to UNC paths of the type
;        \\NWServer\share\dir\dir1.


ServerPath=PT_STRING8,0x6600

;        --  The users mailbox name.  eg. in a NET/PO/USER address,
;            this is USER.  The maximum mailbox name is 10 characters.


Mailbox=PT_STRING8,0x6601

;        --  The users mailbox password.  The maximum password is 8
;            characters.


Password=PT_STRING8,0x67f0

;        --  A boolean value indicating whether the users password is
;            to be remembered in the profile or not.  This is useful because
;            if the password is remembered the user can bypass the logon
;            prompt if his server path, mailbox name and password are all ;
supplied.


RememberPassword=PT_BOOLEAN,0x6606

;        --  The connection type.  This may be one of CFG_CONN_AUTO,
;            CFG_CONN_LAN, CFG_CONN_REMOTE, CFG_CONN_OFFLINE as defined
;            below.
```

```
;
;          0x0          --  LAN type connection.  Used to connect to the
;                           post office using a UNC path or pre-existing
;                           mapped drive.
;          0x1          --  Dial up connection using Dial-up Networking.
;          0x2          --  Not connected.
;          0x3          --  Automatically detect whether the connection
;                           type is LAN or REMOTE. This connection type
;                           is only available on Win95.


ConnectionType=PT_LONG,0x6603


;       --  A boolean value indicating whether session logging
;           is on or off.


UseSessionLog=PT_BOOLEAN,0x6604


;       --  The path to the session log file.


SessionLogPath=PT_STRING8,0x6605


;       --  A boolean value which indicates whether mail in the outbox
;           is sent.


EnableUpload=PT_BOOLEAN,0x6620


;       --  A boolean value which indicates whether mail in the server
;           mailbag is downloaded.


EnableDownload=PT_BOOLEAN,0x6621


;       --  A bit array which allows the user to indicate which addresses
;           for which the transport is to attempt delivery.  This is useful
;           in order to allow a user to specify that a transport only
;           handle delivery for a subset of the addresses it can really
;           process. When multiple transports are installed and the user
;           wants a different transport to handle some specific address
;           types they can use this bit array to specify that the MSMAIL
;           transport only handle a specific set of addresses.
;
;           Possible values as defined below include:
;
;           0x00000001     --  Local Post Office and External Post Office
;                               address types
;           0x00000002     --  PROFS address types
;           0x00000004     --  SNADS address types
;           0x00000008     --  MCI address types
;           0x00000010     --  X.400 address types
;           0x00000040     --  FAX address types
;           0x00000080     --  MHS address types
;           0x00000100     --  SMTP address types
;           0x00000800     --  OfficeVision address types
;           0x00001000     --  MacMail address types
;           0x000019df     --  All of the above address types


UploadMask=PT_LONG,0x6622


;       --  A boolean value which indicates whether a netbios notification
;           is sent to a recipients transport when mail is delivered to
;           their server inbox.
```

```
NetBiosNotification=PT_BOOLEAN,0x6623


;       --  The polling interval in minutes when the transport
;           checks for new mail.  1 <= polling interval <= 9999


NewMailPollInterval=PT_STRING8,0x6624


;       --  A boolean value which, if TRUE, only displays the Microsoft
;           Mail Global Address list for name selection.  The Postoffice
;           list, external post office lists, and gateway address lists are
;           not shown.


DisplayGalOnly=PT_BOOLEAN,0x6625


;       --  A boolean value which indicates whether the user wants to enable
;           headers while working on the LAN.  Headers mode allows the user
;           to download message headers and selectively choose which mail
;           to download.


UseHeadersOnLAN=PT_BOOLEAN,0x6630


;       --  A boolean value which indicates whether the user wants to use
;           name resolution based on a local copy of the server address book
;           rather than the server address book itself.


UseLocalAdressBookOnLAN=PT_BOOLEAN,0x6631


;       --  A boolean value which indicates whether EXTERNAL.EXE, a server
;           process, should be used to deliver submitted mail messages.
;           This is sometimes useful when mail is running on a slow LAN
;           connection.


UseExternalToHelpDeliverOnLAN=PT_BOOLEAN,0x6632



;       --  A boolean value which indicates whether the user wants to
;           enable headers while working over a slow speed link. Headers
;           mode allows the user to download message headers and
;           selectively choose which mail to download.


UseHeadersOnRAS=PT_BOOLEAN,0x6640


;       --  A boolean value which indicates whether the user wants to use
;           name resolution based on a local copy of the server address
;           book rather than the server address book itself.


UseLocalAdressBookOnRAS=PT_BOOLEAN,0x6641


;       --  A boolean value which indicates whether EXTERNAL.EXE, a server
;           process, should be used to deliver submitted mail messages.
;           This speeds up message delivery when mail is running on a
;           Dial-up network connection.


UseExternalToHelpDeliverOnRAS=PT_BOOLEAN,0x6639


;       --  A boolean value which indicates that a Dial-up Network
;           connection should be established when the transport provider
;           starts up.
```

```
ConnectOnStartup=PT_BOOLEAN,0x6642


;       -- A boolean value which indicates that a Dial-up Network
;          connection should be automatically terminated when headers are
;          finished downloading.

DisconnectAfterRetrieveHeaders=PT_BOOLEAN,0x6643


;       -- A boolean value which indicates that a Dial-up Network
;          connection should be automatically terminated after mail has
;          finished being sent received.

DisconnectAfterRetrieveMail=PT_BOOLEAN,0x6644


;       -- A boolean value which indicates that a Dial-up Network
;          connection should be automatically terminated when the provider
;          is exited.

DisconnectOnExit=PT_BOOLEAN,0x6645


;       -- The name of the Dial-up Network profile that the transport will
;          use by default to attempt the connection.

DefaultDialupConnectionName=PT_STRING8,0x6646


;       -- Number of times to attempt dial for connection.
;          1 <= retry attempts <= 9999

DialupRetryCount=PT_STRING8,0x6648


;       -- Delay between retry attempts in seconds.
;          30 <= retry delay <= 9999

DialupRetryDelay=PT_STRING8,0x6649




; ***********************************************************************
; Personal Folders service definitions.

[Personal Folders]
ServiceName=MSPST MS

;       -- Path to personal folders.

PathToPersonalFolders=PT_STRING8,0x6700

;       -- A boolean value that determines if the personal folders
;          password should be cached.

RememberPassword=PT_BOOLEAN,0x6701

;       -- A value that designates the type of encryption that is used to
;          compress the data in the PST:
;
;          No Encryption            0x80000000
;          Compressable Encryption  0x40000000
;          Best Encryption          0x20000000

EncryptionType=PT_LONG,0x6702
```

```
;       -- PST password.

Password=PT_STRING8,0x6703




;  *********************************************************************
;
; Personal Address Book service definitions.

[Personal Address Book]
ServiceName=MSPST AB

;       -- Path to personal address book.

PathToPersonalAddressBook=PT_STRING8,0x6600

;       -- Determines if PAB entries are first, last, or last, first.
;
;           first last                0
;           last, first              1

ViewOrder=PT_LONG,0x6601




;  *********************************************************************
;
; Outlook Address Book service definitions.

[Outlook Address Book]
ServiceName=CONTAB
Ben=PT_STRING8,0x6700
;       -- Dummy property.  Do not modify.
```

11.11. Unknown long property identifier (libpst)?

Item type	Value type	Identifier	Description
0xffffffff	0x101e 0x101f		Unknown Array of ASCII or Unicode string value

11.12. Filetime precission

An estimation of the significance of the bits in the filetime (PT_SYSTIME) structure.

Bits	Usage
Lower 32-bit	
0 – 24	Mainly significant for the 100ns intervals
25 – 29	Mainly significant for the seconds
30 – 31	Mainly significant for the minutes
Upper 32-bit	
32 – 35	Mainly significant for the minutes

Bits	Usage
36 – 40	Mainly significant for the hours
41 – 63	Mainly significant for the days

11.13. PR_ATTACH_VIRUS_SCAN_INFO

Found in EDB does not change often

```
03 00 43 41 49 5f 56 00  00 00 00 68 69 80 00 00
00 00 00
```

11.14. PR_INTERNET_MESSAGE_INFO

Found in EDB does not change often

```
49 4e 46 4f 0a 00 00 00  04 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00  00 00 00 00
```

11.15. PR_INTERNET_PARSE_STATE

Found in EDB, start of data changes

```
01 00 f2 bd 00 00 00 00  94 00 00 00 f2 bd 00 00
01 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00  94 00 00 00 94 00 00 00
00 00 00 00 00 00 00 00  01 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00
```

11.16. PR_INTERNET_CONTENT

Found in EDB,

```
D0 01 00 00 00 00 00 00  01 00 00 00 00 00 00 00
01 00 00 00 00 00 00 00  00 10 00 00 00 00 00 00
00 20 00 00 00 00 00 00  00 00 00 00 00 00 00 00
```

11.17. 0x67b2 0x0102

```
03 00 79 0e (0x0e79 0x0003) PR_TRUST_SENDER
03 00 a1 66
03 00 f1 3f
02 01 20 67
03 01 59 66
02 01 c6 66
03 00 fd 3f
```

```
03 00 de 3f
02 01 c7 66
0b 00 5a 66
b0 84 55 80
b0 84 42 80
0b 00 47 80
b0 84 41 80
0b 00 46 80
0b 00 48 80
0b 00 49 80
0b 00 4a 80
0b 00 4c 80
48 10 1d 82
0b 00 1f 0e
40 00 39 00
```

11.18. 0x677f 0x0102

Mapi identifiers

```
14 00 48 67
14 00 88 3f
02 01 b0 67
40 00 8f 66
03 00 43 67 40 00 39 00 14 00 a4 67 02 01 a5 67
14 10 a6 67 02 01 e0 65 02 01 e2 65 02 01 e3 65
02 00 a9 67 0b 00 ad 67 03 00 07 0e 0b 00 aa 67
0b 00 1b 0e 03 00 17 0e 03 00 ab 67 40 00 06 0e
b0 84 1a 00 b0 84 3d 00 b0 84 1d 0e 03 00 17 00
0b 00 ae 67 0b 00 af 67 0b 00 57 00 0b 00 58 00
0b 00 59 00 0b 00 ea 3f 40 00 48 00 02 01 47 00
40 00 07 30 40 00 08 30 0b 00 01 0e fb 00 40 67
02 01 45 67 14 00 4a 67 14 00 80 3f 02 01 c2 65
02 01 f3 3f 02 01 f4 3f 02 01 d4 3f 03 00 23 0e
b0 84 35 10 b0 84 39 10 02 01 68 40 02 01 69 40
b0 84 36 10 02 01 12 10 14 00 4b 67 02 00 f2 65
03 00 f3 65 03 00 e9 65 02 01 f0 65 03 00 f1 65
0b 00 53 67 0b 00 08 67 03 00 00 66 03 00 01 66
03 00 02 66 03 00 03 66 03 00 04 66 b0 84 f3 10
03 00 10 67 b0 84 07 67 40 00 54 66 0b 00 f4 10
0b 00 f5 10 0b 00 f6 10 40 00 09 67 48 10 0c 67
03 00 61 0e 0b 00 62 0e 03 00 08 0e 02 01 b9 67
02 01 ba 67 02 01 bd 67 02 01 be 67
```

11.19. PR_CONTENTS_SYNCHRONIZER

```
    /*-------------------------------------------------------------------------
     *
     *     Flags used by Exchange Incremental Change Synchronization Interface
     *
     *-----------------------------------------------------------------------*/
    #define SYNC_UNICODE                        0x01
    #define SYNC_NO_DELETIONS                   0x02
    #define SYNC_NO_SOFT_DELETIONS                  0x04
    #define SYNC_READ_STATE                     0x08
    #define SYNC_ASSOCIATED                     0x10
    #define SYNC_NORMAL                         0x20
```

```
    #define SYNC_NO_CONFLICTS                       0x40
    #define SYNC_ONLY_SPECIFIED_PROPS               0x80
    #define SYNC_NO_FOREIGN_KEYS                    0x100
    #define SYNC_LIMITED_IMESSAGE                   0x200
    #define SYNC_CATCHUP                            0x400
    #define SYNC_NEW_MESSAGE                        0x800 // only applicable to
ImportMessageChange()
    #define SYNC_MSG_SELECTIVE                      0x1000 // Used internally.
Will reject if used by clients.
    #define SYNC_BEST_BODY                         0x2000
    #define SYNC_IGNORE_SPECIFIED_ON_ASSOCIATED    0x4000
    #define SYNC_PROGRESS_MODE                     0x8000 // AirMapi progress
mode
    #define SYNC_FXRECOVERMODE                     0x10000
    #define SYNC_DEFER_CONFIG                      0x20000
    #define SYNC_FORCE_UNICODE                     0x40000 // Forces server to
return Unicode properties
```

```
    #define CONVENIENT_DEPTH   ((ULONG) 0x00000001
    #define SHOW_SOFT_DELETES ((ULONG) 0x00000002)
    #define SHOW_SUBFOLDERS    ((ULONG 0x00000004)
```

Appendix A. References

[SMITH02]
Title: outlook.pst -- format of MS Outlook .pst file
Author(s):   David Smith, Joe Nahmias, Brad Hards, Carl Byington
URL: http://hg.file-ten-sg.com/libpst/

[LIBNTFS]
Tile: libntfs documentation
URL: http://www.linux-ntfs.org/doku.php?id=libntfs

[MSDN]
Title: Microsoft Developer Network
URL: http://msdn.microsoft.com/

[MS-OXCFXICS]
Title: [MS-OXCFXICS]: Bulk Data Transfer Protocol Specification
URL: http://msdn.microsoft.com/

[MS-OXOAB]
Title: [MS-OXOAB]: Offline Address Book (OAB) File Format and Schema
URL: http://msdn.microsoft.com/

[MS-OXORULE]
Title: [MS-OXORULE]: E-Mail Rules Protocol Specification
URL: http://msdn.microsoft.com/

[MS-PST]
Title: [MS-PST] Outlook Personal Folders File Format (.pst) structure specification
URL: http://msdn.microsoft.com/

[OPENCHANGE]
Title: Openchange MAPI library
URL: http://www.openchange.org/index.php

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