

# [MS-OXREF]: Exchange Server Protocols Master Reference

---

## Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation for protocols, file formats, languages, standards as well as overviews of the interaction among each of these technologies.
- **Copyrights.** This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you may make copies of it in order to develop implementations of the technologies described in the Open Specifications and may distribute portions of it in your implementations using these technologies or your documentation as necessary to properly document the implementation. You may also distribute in your implementation, with or without modification, any schema, IDL's, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications.
- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.
- **Patents.** Microsoft has patents that may cover your implementations of the technologies described in the Open Specifications. Neither this notice nor Microsoft's delivery of the documentation grants any licenses under those or any other Microsoft patents. However, a given Open Specification may be covered by Microsoft's Open Specification Promise (available here: <http://www.microsoft.com/interop/osp>) or the Community Promise (available here: <http://www.microsoft.com/interop/cp/default.msp>). If you would prefer a written license, or if the technologies described in the Open Specifications are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting [iplq@microsoft.com](mailto:iplq@microsoft.com).
- **Trademarks.** The names of companies and products contained in this documentation may be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights.
- **Fictitious Names.** The example companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

**Reservation of Rights.** All other rights are reserved, and this notice does not grant any rights other than specifically described above, whether by implication, estoppel, or otherwise.

**Tools.** The Open Specifications do not require the use of Microsoft programming tools or programming environments in order for you to develop an implementation. If you have access to Microsoft programming tools and environments you are free to take advantage of them. Certain Open Specifications are intended for use in conjunction with publicly available standard specifications and network programming art, and assumes that the reader either is familiar with the aforementioned material or has immediate access to it.

## Revision Summary

Date	Revision History	Revision Class	Comments
04/04/2008	0.1		Initial Availability.
06/27/2008	1.0		Initial Release.
08/06/2008	1.01		Updated references to reflect date of initial release.
09/03/2008	1.02		Changed title of document.
12/03/2008	1.03		Updated IP notice.
02/04/2009	1.04		Updated references.
03/04/2009	1.05		Updated references.
04/10/2009	2.0		Updated references.
07/15/2009	3.0	Major	Revised and edited for technical content.
11/04/2009	3.0.1	Editorial	Revised and edited the technical content
02/10/2010	4.0.0	Major	Updated and revised the technical content.
05/05/2010	5.0.0	Major	Updated and revised the technical content.
08/04/2010	5.1	Minor	Clarified the meaning of the technical content.
11/03/2010	5.2	Minor	Clarified the meaning of the technical content.
03/18/2011	6.0	Major	Significantly changed the technical content.

## Table of Contents

<b>1</b>	<b>Support .....</b>	<b>4</b>
<b>2</b>	<b>External References .....</b>	<b>5</b>
<b>3</b>	<b>Internal References .....</b>	<b>17</b>
<b>4</b>	<b>Change Tracking.....</b>	<b>24</b>

## 1 Support

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

## 2 External References

[ASF] Microsoft Corporation, "Advanced Systems Format Specification", December 2004, [http://download.microsoft.com/download/7/9/0/790fecaa-f64a-4a5e-a430-0bccdab3f1b4/ASF\\_Specification.doc](http://download.microsoft.com/download/7/9/0/790fecaa-f64a-4a5e-a430-0bccdab3f1b4/ASF_Specification.doc)

If you have any trouble finding [ASF], please check [here](#).

[C706] The Open Group, "DCE 1.1: Remote Procedure Call", C706, August 1997, <http://www.opengroup.org/public/pubs/catalog/c706.htm>

[E164] ITU-T, "The International Public Telecommunication Numbering Plan", Recommendation E.164, February 2005, <http://www.itu.int/rec/T-REC-E.164/e>

**Note** There is a charge to download the specification.

[FIPS180] Federal Information Processing Standards Publication, "Secure Hash Standard", FIPS PUB 180-1, April 1995, <http://www.itl.nist.gov/fipspubs/fip180-1.htm>

[G711] ITU-T, "Pulse code modulation (PCM) of voice frequencies", Recommendation G.711, June, 1990, <http://www.itu.int/rec/T-REC-G.711-198811-I/en>

[GSM610] ETSI, "European digital cellular telecommunications system (Phase 1); Full rate speech; Transcoding (GSM 06.10)", February 1992, [http://pda.etsi.org/pda/home.asp?wki\\_id=v9jLO9Nb7wSVbbYKNyW](http://pda.etsi.org/pda/home.asp?wki_id=v9jLO9Nb7wSVbbYKNyW)

[HTML] World Wide Web Consortium, "HTML 4.01 Specification", December 1999, <http://www.w3.org/TR/html4/>

[IEEE1003.1] The Open Group, "IEEE Std 1003.1, 2004 Edition", 2004, [http://www.unix.org/version3/ieee\\_std.html](http://www.unix.org/version3/ieee_std.html)

**Note** Registration is required to view or download this specification.

[ISO/IEC8802-3] International Organization for Standardization, "Information technology -- Telecommunications and information exchange between systems -- Local and metropolitan area networks -- Specific requirements -- Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications", ISO/IEC 8802-3:2000, [http://www.iso.org/iso/iso\\_catalogue/catalogue\\_tc/catalogue\\_detail.htm?csnumber=31002](http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=31002)

[ISO/IEC8825-1] International Organization for Standardization, "Information technology -- ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)", ISO/IEC 8825-1:1998, [http://www.iso.org/iso/iso\\_catalogue/catalogue\\_tc/catalogue\\_detail.htm?csnumber=32306](http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=32306)

[ISO-639-2] International Organization for Standardization, "Codes for the representation of names of languages -- Part 2: Alpha-3 code", ISO 639-2:1998, [http://www.iso.org/iso/iso\\_catalogue/catalogue\\_tc/catalogue\\_detail.htm?csnumber=4767](http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=4767)

[ISO-8601] International Organization for Standardization, "Data Elements and Interchange Formats - Information Interchange - Representation of Dates and Times", ISO/IEC 8601:2004, December 2004, <http://www.iso.org/iso/en/CatalogueDetailPage.CatalogueDetail?CSNUMBER=40874&ICS1=1&ICS2=140&ICS3=30>

**Note** There is a charge to download the specification.

[LDAPEX-SVB] Boreham, D., Sermersheim, J., and Kashi, A., "LDAP Extensions for Scrolling View Browsing of Search Results", (working draft), November 2002, <http://www.ietf.org/proceedings/02nov/I-D/draft-ietf-ldapext-ldapv3-vlv-09.txt>

[MacBin] Apple Corporation, "Macintosh Binary Transfer Format ("MacBinary III") Standard Proposal", December 1996, [http://web.archive.org/web/20050305044255/www.lazerware.com/formats/macbinary/macbinary\\_ii.html](http://web.archive.org/web/20050305044255/www.lazerware.com/formats/macbinary/macbinary_ii.html)

[MSDN-ADDP] Microsoft Corporation, "Establishing an ActiveSync Desktop-Device Partnership", August 2008, [http://msdn2.microsoft.com/en-us/library/ms972959.aspx#monitor\\_perf\\_topic8](http://msdn2.microsoft.com/en-us/library/ms972959.aspx#monitor_perf_topic8)

[MSDN-APM] Marquardt, T., "ASP.NET Performance Monitoring, and When to Alert Administrators", July 2003, <http://msdn.microsoft.com/en-us/library/ms972959.aspx>

[MSDN-CESHU] Microsoft Corporation, "Constructing Exchange Store HTTP URLs", June 2006, [http://msdn.microsoft.com/en-us/library/aa493863\(EXCHG.80\).aspx](http://msdn.microsoft.com/en-us/library/aa493863(EXCHG.80).aspx)

[MSDN-DVASP] Microsoft Corporation, "DVASPECT Enumeration", <http://msdn.microsoft.com/en-us/library/ms690318.aspx>

[MSDN-ENM] Microsoft Corporation, "Event Notification in MAPI", [http://msdn.microsoft.com/en-us/library/ms528269\(EXCHG.10\).aspx](http://msdn.microsoft.com/en-us/library/ms528269(EXCHG.10).aspx)

[MSDN-EXCHFBURL] Microsoft Corporation, "ms-Exch-FB-URL Attribute", June 2006, [http://msdn.microsoft.com/en-us/library/aa581086\(EXCHG.80\).aspx](http://msdn.microsoft.com/en-us/library/aa581086(EXCHG.80).aspx)

[MSDN-FAIT] Microsoft Corporation, "Folder-Associated Information Tables", [http://msdn.microsoft.com/en-us/library/ms683212\(VS.85\).aspx](http://msdn.microsoft.com/en-us/library/ms683212(VS.85).aspx)

[MSDN-RpcBindingSetAuthInfoEx] Microsoft Corporation, "RpcBindingSetAuthInfoEx Function", [http://msdn.microsoft.com/en-us/library/aa375608\(v=VS.85\).aspx](http://msdn.microsoft.com/en-us/library/aa375608(v=VS.85).aspx)

[MSDN-SOCKADDR] Microsoft Corporation, "sockaddr", <http://msdn.microsoft.com/en-us/library/ms740496.aspx>

[MSDN-STIS] Microsoft Corporation, "About Structured Storage", <http://msdn.microsoft.com/en-us/library/aa378734.aspx>

[MSDN-UAF] Microsoft Corporation, "UUENCODE Attachment Format", [http://msdn.microsoft.com/en-us/library/aa579638\(v=EXCHG.80\).aspx](http://msdn.microsoft.com/en-us/library/aa579638(v=EXCHG.80).aspx)

[MSDN-WMSSDK] Microsoft Corporation, "Windows Media Services 9 Series SDK", <http://msdn.microsoft.com/en-us/library/ms738748.aspx>

[MSDN-WS2] Microsoft Corporation, "Windows Sockets 2", [http://msdn.microsoft.com/en-us/library/ms740673\(VS.85\).aspx](http://msdn.microsoft.com/en-us/library/ms740673(VS.85).aspx)

[MSFT-ARPTC] Microsoft Corporation, "AD RMS Policy Template Considerations", [http://technet.microsoft.com/en-us/library/dd996658\(WS.10\).aspx](http://technet.microsoft.com/en-us/library/dd996658(WS.10).aspx)

[MSFT-AUTODISCOVER] Masterson, J., Turick, J., Smith IV, R., "White Paper: Exchange 2007 Autodiscover Service", November 2007, <http://www.microsoft.com/downloads/details.aspx?FamilyID=DD422B8D-FF06-4207-B476-6B5396A18A2B>

[MSFT-DNS-SRV] Microsoft Corporation, "A new feature is available that enables Outlook 2007 to use DNS Service Location (SRV) records to locate the Exchange Autodiscover service", August 2007, <http://support.microsoft.com/?kbid=940881>

[MSFT-IRMEAS] Microsoft Corporation, "Understanding Information Rights Management in Exchange ActiveSync", June 2010, [http://technet.microsoft.com/en-us/library/ff657743\(EXCHG.141\).aspx](http://technet.microsoft.com/en-us/library/ff657743(EXCHG.141).aspx)

[MSFT-RTF] Microsoft Corporation, "Rich Text Format (RTF) Specification, Version 1.9.1", March 2008, <http://www.microsoft.com/downloads/details.aspx?FamilyID=DD422B8D-FF06-4207-B476-6B5396A18A2B&displaylang=en>

[MSFT-SAP] Microsoft Corporation, "Security and Protection", January 2009, [http://technet.microsoft.com/en-us/library/aa996775\(EXCHG.80\).aspx](http://technet.microsoft.com/en-us/library/aa996775(EXCHG.80).aspx)

[MSFT-SETIMAP] Microsoft Corporation, "Set-ImapSettings", [http://technet.microsoft.com/en-us/library/aa998252\(EXCHG.140\).aspx](http://technet.microsoft.com/en-us/library/aa998252(EXCHG.140).aspx)

[RFC1034] Mockapetris, P., "Domain Names - Concepts and Facilities", STD 13, RFC 1034, November 1987, <http://www.ietf.org/rfc/rfc1034.txt>

[RFC1035] Mockapetris, P., "Domain Names - Implementation and Specification", STD 13, RFC 1035, November 1987, <http://www.ietf.org/rfc/rfc1035.txt>

[RFC1123] Braden, R., "Requirements for Internet Hosts - Application and Support", STD 3, RFC 1123, October 1989, <http://www.ietf.org/rfc/rfc1123.txt>

[RFC1274] Barker, P., and Kille, S., "The COSINE and Internet X.500 Schema", RFC 1274, November 1991, <http://www.ietf.org/rfc/rfc1274.txt>

[RFC1279] Hardcastle-Kille, S., "X.500 and Domains", RFC 1279, November 1991, <http://www.rfc-editor.org/rfc/rfc1279.txt>

[RFC1321] Rivest, R., "The MD5 Message-Digest Algorithm", RFC 1321, April 1992, <http://www.ietf.org/rfc/rfc1321.txt>

[RFC1327] Hardcastle-Kille S., "Mapping Between X.400(1988) / ISO 10021 and RFC 822", RFC 1327, May 1992, <http://www.ietf.org/rfc/rfc1327.txt>

[RFC1521] Borenstein, N., and Freed, N., "MIME (Multipurpose Internet Mail Extensions) Part One: Mechanisms for Specifying and Describing the Format of Internet Message Bodies", RFC 1521, September, 1993, <http://www.ietf.org/rfc/rfc1521.txt>

[RFC1522] Moore, K., "MIME (Multipurpose Internet Mail Extensions) Part Two: Message Header Extensions for Non-ASCII Text", RFC 1522, September 1993, <http://www.rfc-editor.org/rfc/rfc1522.txt>

[RFC1652] Klensin, J., Freed, N., Ed., Rose, M., et al., "SMTP Service Extension for 8bit-MIMEtransport", RFC 1652, July 1994, <http://www.rfc-editor.org/rfc/rfc1652.txt>

[RFC1731] Myers, J., "IMAP4 Authentication Mechanisms", RFC 1731, December 1994, <http://www.rfc-editor.org/rfc/rfc1731.txt>

[RFC1734] Myers, J., "POP3 AUTHentication Command", RFC 1734, December 1994, <http://www.ietf.org/rfc/rfc1734.txt>

[RFC1738] Berners-Lee, T., Masinter, L., and McCahill, M., "Uniform Resource Locators (URL)", RFC 1738, December 1994, <http://www.ietf.org/rfc/rfc1738.txt>

[RFC1740] Faltstrom, P., Crocker, D., and Fair, E., "MIME Encapsulation of Macintosh files – MacMIME", RFC 1740, December 1994, <http://www.rfc-editor.org/rfc/rfc1740.txt>

[RFC1741] Faltstrom, P., Crocker, D., and Fair, E., "MIME Content Type for BinHex Encoded Files", RFC 1741, December 1994, <http://www.rfc-editor.org/rfc/rfc1741.txt>

[RFC1766] Alvestrand, H., "Tags for the Identification of Languages", RFC 1766, March 1995, <http://www.ietf.org/rfc/rfc1766.txt>

[RFC1823] Howes, T., and Smith, M., "The LDAP Application Program Interface", RFC 1823, August 1995, <http://www.rfc-editor.org/rfc/rfc1823.txt>

[RFC1847] Galvin, J., Murphy, S., Crocker, S., and Freed, N., "Security Multiparts for MIME: Multipart/Signed and Multipart/Encrypted", RFC 1847, October 1995, <http://www.rfc-editor.org/rfc/rfc1847.txt>

[RFC1866] Berners-Lee, T., and Connolly, D., "Hypertext Markup Language - 2.0", RFC 1866, November 1995, <http://www.ietf.org/rfc/rfc1866.txt>

[RFC1869] Klensin, J., Freed, N., Ed., Rose, M., et al., "SMTP Service Extensions", STD 10, RFC 1869, November 1995, <http://www.rfc-editor.org/rfc/rfc1869.txt>

[RFC1870] Klensin, J., Freed, N., Ed., Moore, K., "SMTP Service Extension for Message Size Declaration", STD 10, RFC 1870, November 1995, <http://www.rfc-editor.org/rfc/rfc1870.txt>

[RFC1891] Moore, K., "SMTP Service Extension for Delivery Status Notifications", RFC 1891, January 1996, <http://www.rfc-editor.org/rfc/rfc1891.txt>

[RFC1896] Resnick, P., and Walker, A., "The text/enriched MIME Content-type", RFC 1896, February 1996, <http://www.rfc-editor.org/rfc/rfc1896.txt>

[RFC1939] Myers, J., and Rose, M., "Post Office Protocol - Version 3", STD 53, RFC 1939, May 1996, <http://www.ietf.org/rfc/rfc1939.txt>

[RFC1945] Berners-Lee, T., Fielding, R., and Frystyk, H., "Hypertext Transfer Protocol -- HTTP/1.0", RFC 1945, May 1996, <http://www.ietf.org/rfc/rfc1945.txt>

[RFC1950] Deutsch, P., and Gailly, J-L., "ZLIB Compressed Data Format Specification version 3.3", RFC 1950, May 1996, <http://www.ietf.org/rfc/rfc1950.txt>

[RFC1951] Deutsch, P., "DEFLATE Compressed Data Format Specification version 1.3", RFC 1951, May 1996, <http://www.ietf.org/rfc/rfc1951.txt>

[RFC1960] Howes, T., "A String Representation of LDAP Search Filters", RFC 1960, June 1996, <http://www.rfc-editor.org/rfc/rfc1960.txt>

[RFC20] Cerf, V., "ASCII Format for Network Interchange", RFC 20, October 1969, <http://www.ietf.org/rfc/rfc20.txt>

[RFC2034] Freed, N., "SMTP Service Extension for Returning Enhanced Error Codes", RFC 2034, October 1996, <http://www.rfc-editor.org/rfc/rfc2034.txt>

[RFC2045] Freed, N., and Borenstein, N., "Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies", RFC 2045, November 1996, <http://ietf.org/rfc/rfc2045.txt>

[RFC2046] Freed, N., and Borenstein, N., "Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types", RFC 2046, November 1996, <http://ietf.org/rfc/rfc2046.txt>



[RFC2047] Moore, K., "MIME (Multipurpose Internet Mail Extensions) Part Three: Message Header Extensions for Non-ASCII Text", RFC 2047, November 1996, <http://ietf.org/rfc/rfc2047.txt>

[RFC2048] Freed, N., Klensin, J., Postel, J., "Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures", BCP 13, RFC 2048, November 1996, <http://tools.ietf.org/html/rfc2048>

[RFC2049] Freed, N., and Borenstein N., "Multipurpose Internet Mail Extensions (MIME) Part Five: Conformance Criteria and Examples", RFC 2049, November 1996, <http://www.rfc-editor.org/rfc/rfc2049.txt>

[RFC2060] Crispin, M., "INTERNET MESSAGE ACCESS PROTOCOL — VERSION 4rev1", RFC 2060, December 1996, <http://www.rfc-editor.org/rfc/rfc2060.txt>

[RFC2068] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2068, January 1997, <http://www.ietf.org/rfc/rfc2068.txt>

[RFC2076] Palme, J., "Common Internet Message Headers", RFC 2076, February 1997, <http://www.rfc-editor.org/rfc/rfc2076.txt>

[RFC2110] Palme, J., and Hopmann, A., "MIME E-mail Encapsulation of Aggregate Documents, such as HTML (MHTML)", March 1997, <http://www.rfc-editor.org/rfc/rfc2110.txt>

[RFC2111] Levinson, E., "Content-ID and Message-ID Uniform Resource Locators", March 1997, <http://www.ietf.org/rfc/rfc2111.txt>

[RFC2156] Kille, S., "MIXER (Mime Internet X.400 Enhanced Relay): Mapping between X.400 and RFC 822/MIME", RFC 2156, January 1998, <http://www.rfc-editor.org/rfc/rfc2156.txt>

[RFC2177] Leiba, B., "IMAP4 IDLE command", RFC 2177, June 1997, <http://www.rfc-editor.org/rfc/rfc2177.txt>

[RFC2246] Dierks, T., and Allen, C., "The TLS Protocol Version 1.0", RFC 2246, January 1999, <http://www.ietf.org/rfc/rfc2246.txt>

[RFC2247] Kille, S., Wahl, M., Grimstad, A., and Huber, R., "Using Domains in LDAP/X.500 Distinguished Names", RFC 2247, January 1998, <http://www.ietf.org/rfc/rfc2247.txt>

[RFC2291] Slein, J., Vitali, F., Whitehead, E., et al., "Requirements for a Distributed Authoring and Versioning Protocol for the World Wide Web", RFC 2291, February 1998, <http://www.ietf.org/rfc/rfc2291.txt>

[RFC2298] Fajman, R., "An Extensible Message Format for Message Disposition Notifications", RFC 2298, March 1998, <http://www.rfc-editor.org/rfc/rfc2298.txt>

[RFC2315] Kaliski, B., "PKCS #7: Cryptographic Message Syntax Version 1.5", RFC 2315, March 1998, <http://www.ietf.org/rfc/rfc2315.txt>

[RFC2368] Hoffman, P., Masinter, L., and Zawinski, J., "The mailto URL scheme", RFC 2368, July 1998, <http://www.ietf.org/rfc/rfc2368.txt>

[RFC2369] Neufeld, G., and Baer, J., "The Use of URLs as Meta-Syntax for Core Mail List Commands and their Transport through Message Header Fields", RFC 2369, July 1998, <http://www.rfc-editor.org/rfc/rfc2369.txt>

[RFC2387] Levinson, E., "The MIME Multipart/Related Content-type", RFC 2387, August 1998, <http://ietf.org/rfc/rfc2387.txt>

- [RFC2392] Levinson, E., "Content-ID and Message-ID Uniform Resource Locators", RFC 2392, August 1998, <http://www.rfc-editor.org/rfc/rfc2392.txt>
- [RFC2396] Berners-Lee, T., Fielding, R., and Masinter, L., "Uniform Resource Identifiers (URI): Generic Syntax", RFC 2396, August 1998, <http://www.ietf.org/rfc/rfc2396.txt>
- [RFC2425] Howes, T., Smith, M., Dawson, F., "A MIME Content-Type for Directory Information", RFC 2425, September 1998, <http://tools.ietf.org/html/rfc2425>
- [RFC2426] Howes, T. and Dawson, F., "vCard MIME Directory Profile", RFC 2426, September 1998, <http://tools.ietf.org/html/rfc2426>
- [RFC2445] Dawson, F. and Stenerson, D., "Internet Calendaring and Scheduling Core Object Specification (iCalendar)", RFC 2445, November 1998, <http://tools.ietf.org/html/rfc2445>
- [RFC2446] Silverberg, S., Mansour, S., Dawson, F., and Hopson, R., "iCalendar Transport-Independent Interoperability Protocol (iMIP) Scheduling Events, BusyTime, To-Dos, and Journal Entries", RFC 2446, November 1998, <http://www.ietf.org/rfc/rfc2446.txt>
- [RFC2447] Dawson, F., Mansour, S., and Silverberg, S., "iCalendar Message-Based Interoperability Protocol (iMIP)", RFC 2447, November 1998, <http://www.rfc-editor.org/rfc/rfc2447.txt>
- [RFC2449] Gellens, R., Newman, C., and Lundblade, L., "POP3 Extension Mechanism", RFC 2449, November 1998, <http://www.rfc-editor.org/rfc/rfc2449.txt>
- [RFC2459] Housley, R., Ford, W., Polk, W., and Solo, D., "Internet X.509 Public Key Infrastructure Certificate and CRL Profile", RFC 2459, January 1999, <http://www.ietf.org/rfc/rfc2459.txt>
- [RFC2460] Deering, S., and Hinden, R., "Internet Protocol, Version 6 (IPv6) Specification", RFC 2460, December 1998, <http://www.ietf.org/rfc/rfc2460.txt>
- [RFC2518] Goland, Y., Whitehead, E., Faizi, A., et al., "HTTP Extensions for Distributed Authoring - WebDAV", RFC 2518, February 1999, <http://www.ietf.org/rfc/rfc2518.txt>
- [RFC2557] Palme, J., Hopmann, A., Shelness, N., "MIME Encapsulation of Aggregate Documents, such as HTML (MHTML)", RFC 2557, March 1999, <http://tools.ietf.org/html/rfc2557>
- [RFC2595] Newman, C., "Using TLS with IMAP, POP3 and ACAP", RFC 2595, June 1999, <http://www.rfc-editor.org/rfc/rfc2595.txt>
- [RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>
- [RFC2617] Franks, J., Hallam-Baker, P., Hostetler, J., et al., "HTTP Authentication: Basic and Digest Access Authentication", RFC 2617, June 1999, <http://www.ietf.org/rfc/rfc2617.txt>
- [RFC2696] Weider, C., Herron, A., Anantha, A., and Howes, T., "LDAP Control Extension for Simple Paged Results Manipulation", RFC 2696, September 1999, <http://www.ietf.org/rfc/rfc2696.txt>
- [RFC2782] Gulbrandsen, A., Vixie, P., and Esibov, L., "A DNS RR for specifying the location of services (DNS SRV)", RFC 2782, February 2000, <http://www.ietf.org/rfc/rfc2782.txt>
- [RFC2798] Smith, M., "Definition of the inetOrgPerson LDAP Object Class", RFC 2798, April 2000, <http://www.ietf.org/rfc/rfc2798.txt>
- [RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, <http://www.ietf.org/rfc/rfc2818.txt>

[RFC2821] Klensin, J., "Simple Mail Transfer Protocol", STD 10, RFC 2821, April 2001, <http://www.ietf.org/rfc/rfc2821.txt>

[RFC2822] Resnick, P., Ed., "Internet Message Format", STD 11, RFC 2822, April 2001, <http://www.ietf.org/rfc/rfc2822.txt>

[RFC2849] Good, G., "The LDAP Data Interchange Format (LDIF) - Technical Specification", RFC 2849, June 2000, <http://www.ietf.org/rfc/rfc2849.txt>

[RFC2876] Pawling, J., "Use of the KEA and SKIPJACK Algorithms in CMS", RFC 2876, July 2000, <http://www.rfc-editor.org/rfc/rfc2876.txt>

[RFC2891] Howes, T., Wahl, M., and Anantha, A., "LDAP Control Extension for Server Side Sorting of Search Results", RFC 2891, August 2000, <http://www.ietf.org/rfc/rfc2891.txt>

[RFC2920] Freed, N., "SMTP Service Extension for Command Pipelining", STD 60, RFC 2920, September 2000, <http://www.rfc-editor.org/rfc/rfc2920.txt>

[RFC2980] Barber, S., "Common NNTP Extensions", RFC 2980, October 2000, <http://www.ietf.org/rfc/rfc2980.txt>

[RFC3030] Vaudreuil, G., "SMTP Service Extensions for Transmission of Large and Binary MIME Messages", RFC 3030, December 2000, <http://www.rfc-editor.org/rfc/rfc3030.txt>

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

[RFC3174] Eastlake III, D., and Jones, P., "US Secure Hash Algorithm 1 (SHA1)", RFC 3174, September 2001, <http://www.ietf.org/rfc/rfc3174.txt>

[RFC3207] Hoffman, P., "SMTP Service Extension for Secure SMTP over Transport Layer Security", RFC 3207, February 2002, <http://www.rfc-editor.org/rfc/rfc3207.txt>

[RFC3261] Rosenberg, J., Schulzrinne, H., Camarillo, G., Johnston, A., Peterson, J., Sparks, R., Handley, M., and Schooler, E., "SIP: Session Initiation Protocol", RFC 3261, June 2002, <http://www.ietf.org/rfc/rfc3261.txt>

[RFC3280] Housley, R., Polk, W., Ford, W., and Solo, D., "Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile", RFC 3280, April 2002, <http://www.ietf.org/rfc/rfc3280.txt>

[RFC3282] Alvestrand, H., "Content Language Headers", RFC 3282, May 2002, <http://www.rfc-editor.org/rfc/rfc3282.txt>

[RFC3464] Moore, K., and Vaudreuil, G., "An Extensible Message Format for Delivery Status Notifications", RFC 3464, January 2003, <http://www.rfc-editor.org/rfc/rfc3464.txt>

[RFC3501] Crispin, M., "INTERNET MESSAGE ACCESS PROTOCOL – VERSION 4rev1", RFC 3501, March 2003, <http://www.rfc-editor.org/rfc/rfc3501.txt>

[RFC3516] Nerenberg, L., "IMAP4 Binary Content Extension", RFC 3516, April 2003, <http://www.rfc-editor.org/rfc/rfc3516.txt>

[RFC3629] Yergeau, F., "UTF-8, A Transformation Format of ISO 10646", STD 63, RFC 3629, November 2003, <http://www.ietf.org/rfc/rfc3629.txt>

- [RFC3744] Clemm, G., Reschke, J., Sedlar, E., and Whitehead, J., "Web Distributed Authoring and Versioning (WebDAV) Access Control Protocol", RFC 3744, May 2004, <http://www.rfc-editor.org/rfc/rfc3744.txt>
- [RFC3798] Hansen, T., and Vaudreuil, G., Eds., "Message Disposition Notification", RFC 3798, May 2004, <http://www.rfc-editor.org/rfc/rfc3798.txt>
- [RFC3851] Ramsdell, B., Ed., "Secure/Multipurpose Internet Mail Extensions (S/MIME) Version 3.1 Message Specification", RFC 3851, July 2004, <http://www.rfc-editor.org/rfc/rfc3851.txt>
- [RFC3852] Housley, R., "Cryptographic Message Syntax (CMS)", RFC 3852, July 2004, <http://www.ietf.org/rfc/rfc3852.txt>
- [RFC3977] Feather, C., "Network News Transfer Protocol (NNTP)", RFC 3977, October 2006, <http://www.rfc-editor.org/rfc/rfc3977.txt>
- [RFC3986] Berners-Lee, T., Fielding, R., and Masinter, L., "Uniform Resource Identifier (URI): Generic Syntax", STD 66, RFC 3986, January 2005, <http://www.ietf.org/rfc/rfc3986.txt>
- [RFC4120] Neuman, C., Yu, T., Hartman, S., and Raeburn, K., "The Kerberos Network Authentication Service (V5)", RFC 4120, July 2005, <http://www.ietf.org/rfc/rfc4120.txt>
- [RFC4121] Zhu, L., Jaganathan, K., and Hartman, S., "The Kerberos Version 5 Generic Security Service Application Program Interface (GSS-API) Mechanism: Version 2", RFC 4121, July 2005, <http://www.ietf.org/rfc/rfc4121.txt>
- [RFC4122] Leach, P., Mealling, M., and Salz, R., "A Universally Unique Identifier (UUID) URN Namespace", RFC 4122, July 2005, <http://www.ietf.org/rfc/rfc4122.txt>
- [RFC4210] Adams, C., Farrell, S., Kause, T., and Mononen, T., "Internet X.509 Public Key Infrastructure Certificate Management Protocol (CMP)", RFC 4210, September 2005, <http://www.rfc-editor.org/rfc/rfc4210.txt>
- [RFC4287] Nottingham, M., and Sayre, E.R., "The Atom Syndication Format", RFC 4287, December 2005, <http://www.ietf.org/rfc/rfc4287.txt>
- [RFC4315] Crispin, M., "Internet Message Access Protocol (IMAP) - UIDPLUS extension", RFC 4315, December 2005, <http://www.ietf.org/rfc/rfc4315.txt>
- [RFC4346] Dierks, T., and Rescorla, E., "The Transport Layer Security (TLS) Protocol Version 1.1", RFC 4346, April 2006, <http://www.ietf.org/rfc/rfc4346.txt>
- [RFC4409] Gellens, R., and Klensin, J., "Message Submission for Mail", RFC 4409, April 2006, <http://www.rfc-editor.org/rfc/rfc4409.txt>
- [RFC4511] Sermersheim, J., "Lightweight Directory Access Protocol (LDAP): The Protocol", RFC 4511, June 2006, <http://www.rfc-editor.org/rfc/rfc4511.txt>
- [RFC4512] Zeilenga, K., "Lightweight Directory Access Protocol (LDAP): Directory Information Models", RFC 4512, June 2006, <http://www.rfc-editor.org/rfc/rfc4512.txt>
- [RFC4519] Sciberras, A., Ed., "Lightweight Directory Access Protocol (LDAP): Schema for User Applications", RFC 4519, June 2006, <http://www.rfc-editor.org/rfc/rfc4519.txt>
- [RFC4523] Zeilenga, K., "Lightweight Directory Access Protocol (LDAP) Schema Definitions for X.509 Certificates", RFC 4523, June 2006, <http://www.ietf.org/rfc/rfc4523.txt>

[RFC4524] Zeilenga, K., "COSINE LDAP/X.500 Schema", RFC 4524, June 2006, <http://www.ietf.org/rfc/rfc4524.txt>

[RFC4616] Zeilenga, K., Ed., "The PLAIN Simple Authentication and Security Layer (SASL) Mechanism", RFC 4616, August 2006, <http://www.rfc-editor.org/rfc/rfc4616.txt>

[RFC4646] A. Phillips, Ed., and M. Davis, Ed., "Tags for Identifying Languages", BCP 47, RFC 4646, September 2006, <http://www.ietf.org/rfc/rfc4646.txt>

[RFC4648] Josefsson, S., "The Base16, Base32, and Base64 Data Encodings", RFC 4648, October 2006, <http://www.ietf.org/rfc/rfc4648.txt>

[RFC4791] Daboo, C., Desruisseaux, B., Dusseault, L., "Calendaring Extensions to WebDAV (CalDAV)", RFC 4791, March 2007, <http://www.rfc-editor.org/rfc/rfc4791.txt>

[RFC4954] Siemborski, R., and Melnikov, A., Eds., "SMTP Service Extension for Authentication", RFC 4954, July 2007, <http://www.rfc-editor.org/rfc/rfc4954.txt>

[RFC4985] Santesson, S., "Internet X.509 Public Key Infrastructure Subject Alternative Name for Expression of Service Name", RFC 4985, August 2007, <http://www.rfc-editor.org/rfc/rfc4985.txt>

[RFC5234] Crocker, D., Ed., and Overell, P., "Augmented BNF for Syntax Specifications: ABNF", STD 68, RFC 5234, January 2008, <http://www.ietf.org/rfc/rfc5234.txt>

[RFC5321] Klensin, J., "Simple Mail Transfer Protocol", October 2008, <http://tools.ietf.org/html/rfc5321>

[RFC5322] Resnick, P., Ed., "Internet Message Format", RFC 5322, October 2008, <http://www.ietf.org/rfc/rfc5322.txt>

[RFC5323] Reschke, J., Ed., Reddy, S., Davis, J., and Babich, A., "Web Distributed Authoring and Versioning (WebDAV) SEARCH", RFC 5323, November 2008, <http://www.rfc-editor.org/rfc/rfc5323.txt>

[RFC5751] Ramsdell, B., and Turner, S., "Secure/Multipurpose Internet Mail Extensions (S/MIME) Version 3.2 Message Specification", RFC 5751, January 2010, <http://www.rfc-editor.org/rfc/rfc5751.txt>

[RFC768] Postel, J., "User Datagram Protocol", STD 6, RFC 768, August 1980, <http://www.ietf.org/rfc/rfc768.txt>

[RFC791] Postel, J., "Internet Protocol", STD 5, RFC 791, September 1981, <http://www.ietf.org/rfc/rfc791.txt>

[RFC821] Postel, J., "Simple Mail Transfer Protocol", STD 10, RFC 821, August 1982, <http://www.ietf.org/rfc/rfc0821.txt>

[RFC822] Crocker, D.H., "Standard for ARPA Internet Text Messages", STD 11, RFC 822, August 1982, <http://www.ietf.org/rfc/rfc0822.txt>

[RFC850] Horton, M., "Standard for Interchange of USENET Messages", RFC 850, June 1983, <http://www.rfc-editor.org/rfc/rfc850.txt>

[RFC959] Postel, J., and Reynolds, J., "File Transfer Protocol (FTP)", RFC 959, October 1985, <http://www.ietf.org/rfc/rfc959.txt>

[RSS2.0] Winer, D., "RSS 2.0 Specification", Fall 2002, version 2.0.1: July 2003, <http://cyber.law.harvard.edu/rss/rss.html>

[SAML] Hallam-Baker, P., Kaler, C., Monzillo, R., and Nadalin, A., Eds., "Web Services Security: SAML Token Profile", Oasis Standard, December 2004, <http://docs.oasis-open.org/wss/oasis-wss-saml-token-profile-1.0.pdf>

[SMIL2.1] Bulterman, D., Grassel, G., Jansen, J., Eds., et al., "Synchronized Multimedia Integration Language (SMIL 2.1)", December 2005, <http://www.w3.org/TR/2005/REC-SMIL2-20051213/>

[SOAP1.1] Box, D., Ehnebuske, D., Kakivaya, G., et al., "Simple Object Access Protocol (SOAP) 1.1", May 2000, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

[SOAP1.2/1] Gudgin, M., Hadley, M., Mendelsohn, N., Moreau, J., and Nielsen, H.F., "SOAP Version 1.2 Part 1: Messaging Framework", W3C Recommendation, June 2003, <http://www.w3.org/TR/2003/REC-soap12-part1-20030624>

[UASDC] Ziv, J. and Lempel, A., "A Universal Algorithm for Sequential Data Compression", May 1977, <http://ieeexplore.ieee.org/iel5/18/22696/01055714.pdf>

[UNICODE] The Unicode Consortium, "Unicode Home Page", 2006, <http://www.unicode.org/>

[W3C-XMLNote] Layman, A., Jung, E., Maler, E., et al., "XML-Data", W3C Note, January 1998, <http://www.w3.org/TR/1998/NOTE-XML-data-0105>

[WAVE] IBM Corporation and Microsoft Corporation, "Multimedia Programming Interface and Data Specifications 1.0", August 1991, <http://www-mmstp.ece.mcgill.ca/Documents/AudioFormats/WAVE/Docs/riffmci.pdf>

[WBXML1.2] Martin, B., and Jano, B., Eds., "WAP Binary XML Content Format", June 1999, <http://www.w3.org/1999/06/NOTE-wbxml-19990624>

[WSA10] W3C, "WS-Addressing 1.0 Namespace: <http://www.w3.org/2005/08/addressing>", <http://www.w3.org/2005/08/addressing/>

[WSADDRBIND] Gudgin, M., Hadley, M., Rogers, T., Eds., "Web Services Addressing 1.0 – SOAP Binding", W3C Recommendation, May 2006, <http://www.w3.org/TR/2006/REC-ws-addr-soap-20060509/>

[WSADDRCORE] Gudgin, M., Hadley, M., Rogers, T., Eds., ""Web Services Addressing 1.0 Core"", W3C Recommendation, May 2006, <http://www.w3.org/TR/2006/REC-ws-addr-core-20060509/>

[WSAddressing] Box, D., Christensen, E., Ferguson, D., et al., "Web Services Addressing (WS-Addressing)", August 2004, <http://www.w3.org/Submission/ws-addressing/>

If you have any trouble finding [WSAddressing], please check [here](#).

[WSADDR-Metadata] Gudgin, M., Hadley, M., Rogers, T., and Yalçinalp, Ü., Eds., "Web Services Addressing 1.0 - Metadata", W3C Recommendation, September 2007, <http://www.w3.org/Submission/2006/SUBM-wsdl11soap12-20060405/>

[WSDL] Christensen, E., Curbera, F., Meredith, G., and Weerawarana, S., "Web Services Description Language (WSDL) 1.1", W3C Note, March 2001, <http://www.w3.org/TR/2001/NOTE-wsdl-20010315>

[WSDLSOAP] Angelov, D., Ballinger, K., Butek, R., et al., "WSDL 1.1 Binding Extension for SOAP 1.2", W3c Member Submission, April 2006, <http://www.w3.org/Submission/wsdl11soap12/>

[WSFederation] Kaler, C., Nadalin, A., Bajaj, S., et al., "Web Services Federation Language (WS-Federation)", Version 1.1, December 2006, <http://specs.xmlsoap.org/ws/2006/12/federation/ws-federation.pdf>



If you have any trouble finding [WSFederation], please check [here](#).

[WSIBASIC] Ballinger, K., Ehnebuske, D., Gudgin, M., Eds., et al., "Basic Profile Version 1.0", Final Material, April 2004, <http://www.ws-i.org/Profiles/BasicProfile-1.0-2004-04-16.html>

[WS-MetadataExchangeDir] BEA Systems, Computer Associates, IBM, Microsoft, SAP, Sun, and webMethods, "Web Services Metadata Exchange (WS-MetadataExchange)", August 2006, <http://schemas.xmlsoap.org/ws/2004/09/mex/>

[WSPOLICY] Bajaj, S., Box, D., Chappell, D., et al., "Web Services Policy Framework (WS-POLICY) and Web Services Policy Attachment (WS-PolicyAttachment)", March 2006, <http://schemas.xmlsoap.org/ws/2004/09/policy>

[WSS] OASIS, "Web Services Security: SOAP Message Security 1.1 (WS-Security 2004)", February 2006, <http://www.oasis-open.org/committees/download.php/16790/wss-v1.1-spec-os-SOAPMessageSecurity.pdf>

[WSTrust1.4] OASIS Standard, "WS-Trust 1.4", February 2009, <http://docs.oasis-open.org/ws-sx/ws-trust/v1.4/os/ws-trust-1.4-spec-os.doc>

[X25] International Telecommunication Union, "Interface between Data Terminal Equipment (DTE) and Data Circuit-terminating Equipment (DCE) for terminals operating in the packet mode and connected to public data networks by dedicated circuit", ITU-T Recommendation X.25, October 1996, <http://www.itu.int/rec/T-REC-X.25-199610-I/en>

[X520] International Telecommunication Union, "Information technology Open Systems Interconnection", "The Directory: Selected attribute types", ITU-T Recommendation X.520, August 2005, <http://www.itu.int/rec/T-REC-X.520/en>

[XML] World Wide Web Consortium, "Extensible Markup Language (XML) 1.0 (Fourth Edition)", W3C Recommendation, August 2006, <http://www.w3.org/TR/2006/REC-xml-20060816/>

[XML1] Bray, T., Paoli, J., Sperberg-McQueen, C., Eds., "Extensible Markup Language (XML) 1.0", W3C Recommendation, February 1998, <http://www.w3.org/TR/1998/REC-xml-19980210>

[XML10] World Wide Web Consortium, "Extensible Markup Language (XML) 1.0 (Third Edition)", February 2004, <http://www.w3.org/TR/REC-xml>

[XMLBase] Marsh, J., and Tobin, R., Eds., "XML Base (Second Edition)", W3C Recommendation, January 2009, <http://www.w3.org/TR/2009/REC-xmlbase-20090128/>

[XMLDSig] Bartel, M., Boyer, J., Fox, B., LaMacchia, B., and Simon, E., "XML-Signature Syntax and Processing", February 2002, <http://www.w3.org/TR/xmlsig-core/>

[XMLENC] Eastlake, D., Ed., Reagle, J., Ed., "XML Encryption Syntax and Processing", W3C Recommendation, December 2002, <http://www.w3.org/TR/2002/REC-xmlenc-core-20021210/>

[XMLNS] World Wide Web Consortium, "Namespaces in XML 1.0 (Third Edition)", W3C Recommendation 8 December 2009, <http://www.w3.org/TR/REC-xml-names/>

[XMLSCHEMA] World Wide Web Consortium, "XML Schema", September 2005, <http://www.w3.org/2001/XMLSchema>

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

[XMLSCHEMA1/2] Thompson, H.S., Ed., Beech, D., Ed., Maloney, M., Ed., and Mendelsohn, N., Ed., "XML Schema Part 1: Structures Second Edition", W3C Recommendation, October 2004, <http://www.w3.org/TR/xmlschema-1/>

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

[XMLSCHEMA2/2] Biron, P.V., Ed. and Malhotra, A., Ed., "XML Schema Part 2: Datatypes Second Edition", W3C Recommendation, October 2004, <http://www.w3.org/TR/xmlschema-2>

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

[XPath] Clark, J. and DeRose, S., "XML Path Language (XPath), Version 1.0", W3C Recommendation, November 1999, <http://www.w3.org/TR/xpath>



### 3 Internal References

- [MS-ADA1] Microsoft Corporation, "[Active Directory Schema Attributes A-L](#)", June 2007.
- [MS-ADA3] Microsoft Corporation, "[Active Directory Schema Attributes N-Z](#)", June 2007.
- [MS-ADTS] Microsoft Corporation, "[Active Directory Technical Specification](#)", June 2007.
- [MS-ASAIRS] Microsoft Corporation, "[ActiveSync AirSyncBase Namespace Protocol Specification](#)", December 2008.
- [MS-ASCAL] Microsoft Corporation, "[ActiveSync Calendar Class Protocol Specification](#)", December 2008.
- [MS-ASCMD] Microsoft Corporation, "[ActiveSync Command Reference Protocol Specification](#)", December 2008.
- [MS-ASCNTC] Microsoft Corporation, "[ActiveSync Contact Class Protocol Specification](#)", December 2008.
- [MS-ASCON] Microsoft Corporation, "[ActiveSync Conversations Protocol Specification](#)", July 2009.
- [MS-ASDOC] Microsoft Corporation, "[ActiveSync Document Class Protocol Specification](#)", December 2008.
- [MS-ASDTYPE] Microsoft Corporation, "[ActiveSync Data Types](#)", December 2008.
- [MS-ASEMAIL] Microsoft Corporation, "[ActiveSync E-Mail Class Protocol Specification](#)", December 2008.
- [MS-ASHTTP] Microsoft Corporation, "[ActiveSync HTTP Protocol Specification](#)", December 2008.
- [MS-ASMS] Microsoft Corporation, "[ActiveSync Short Message Service Protocol Specification](#)", July 2009.
- [MS-ASNOTE] Microsoft Corporation, "[ActiveSync Notes Class Protocol Specification](#)", July 2009.
- [MS-ASPROV] Microsoft Corporation, "[ActiveSync Provisioning Protocol Specification](#)", December 2008.
- [MS-ASRM] Microsoft Corporation, "[ActiveSync Rights Management Protocol Specification](#)", May 2010.
- [MS-ASTASK] Microsoft Corporation, "[ActiveSync Tasks Class Protocol Specification](#)", December 2008.
- [MS-ASWBXML] Microsoft Corporation, "[ActiveSync WAP Binary XML \(WBXML\) Protocol Specification](#)", December 2008.
- [MS-CFB] Microsoft Corporation, "[Compound File Binary File Format](#)", June 2008.
- [MS-DTYP] Microsoft Corporation, "[Windows Data Types](#)", January 2007.
- [MS-ERREF] Microsoft Corporation, "[Windows Error Codes](#)", January 2007.
- [MS-IPFFX] Microsoft Corporation, "[InfoPath Form File Format Specification](#)", June 2008.
- [MS-LCID] Microsoft Corporation, "[Windows Language Code Identifier \(LCID\) Reference](#)", July 2007.

[MS-MCI] Microsoft Corporation, "[MCI Compression and Decompression](#)", April 2008.

[MS-MEETS] Microsoft Corporation, "[Meetings Web Services Protocol Specification](#)", June 2008.

[MS-N2HT] Microsoft Corporation, "[Negotiate and Nego2 HTTP Authentication Protocol Specification](#)", December 2008.

[MS-NLMP] Microsoft Corporation, "[NT LAN Manager \(NTLM\) Authentication Protocol Specification](#)", June 2007.

[MS-NSPI] Microsoft Corporation, "[Name Service Provider Interface \(NSPI\) Protocol Specification](#)", June 2008.

[MS-NTHT] Microsoft Corporation, "[NTLM Over HTTP Protocol Specification](#)", January 2007.

[MS-OAUT] Microsoft Corporation, "[OLE Automation Protocol Specification](#)", March 2007.

[MS-OFFCRYPTO] Microsoft Corporation, "[Office Document Cryptography Structure Specification](#)", June 2008.

[MS-OSHARED] Microsoft Corporation, "[Office Common Data Types and Objects Structure Specification](#)", June 2008.

[MS-OXABREF] Microsoft Corporation, "[Address Book Name Service Provider Interface \(NSPI\) Referral Protocol Specification](#)", April 2008.

[MS-OXBBODY] Microsoft Corporation, "[Best Body Retrieval Protocol Specification](#)", June 2008.

[MS-OXCDATA] Microsoft Corporation, "[Data Structures](#)", April 2008.

[MS-OXCFOLD] Microsoft Corporation, "[Folder Object Protocol Specification](#)", June 2008.

[MS-OXCFXICS] Microsoft Corporation, "[Bulk Data Transfer Protocol Specification](#)", June 2008.

[MS-OXCICAL] Microsoft Corporation, "[iCalendar to Appointment Object Conversion Protocol Specification](#)", June 2008.

[MS-OXCMAIL] Microsoft Corporation, "[RFC2822 and MIME to E-Mail Object Conversion Protocol Specification](#)", June 2008.

[MS-OXCMSG] Microsoft Corporation, "[Message and Attachment Object Protocol Specification](#)", June 2008.

[MS-OXCNOTIF] Microsoft Corporation, "[Core Notifications Protocol Specification](#)", June 2008.

[MS-OXCPERM] Microsoft Corporation, "[Exchange Access and Operation Permissions Specification](#)", June 2008.

[MS-OXCPRPT] Microsoft Corporation, "[Property and Stream Object Protocol Specification](#)", June 2008.

[MS-OXCROPS] Microsoft Corporation, "[Remote Operations \(ROP\) List and Encoding Protocol Specification](#)", June 2008.

[MS-OXCRPC] Microsoft Corporation, "[Wire Format Protocol Specification](#)", June 2008.

[MS-OXCSHAM] Microsoft Corporation, "[Spam Confidence Level Protocol Specification](#)", June 2008.

[MS-OXCSTOR] Microsoft Corporation, "[Store Object Protocol Specification](#)", June 2008.

[MS-OXCSYNC] Microsoft Corporation, "[Mailbox Synchronization Protocol Specification](#)", June 2008.

[MS-OXCTABL] Microsoft Corporation, "[Table Object Protocol Specification](#)", April 2008.

[MS-OXDISCO] Microsoft Corporation, "[Autodiscover HTTP Service Protocol Specification](#)", June 2008.

[MS-OXDSCLI] Microsoft Corporation, "[Autodiscover Publishing and Lookup Protocol Specification](#)", June 2008.

[MS-OXGLOS] Microsoft Corporation, "[Exchange Server Protocols Master Glossary](#)", April 2008.

[MS-OXIMAP4] Microsoft Corporation, "[Internet Message Access Protocol Version 4 \(IMAP4\) Extensions](#)", June 2008.

[MS-OXLDAP] Microsoft Corporation, "[Lightweight Directory Access Protocol \(LDAP\) Version 3 Extensions](#)", June 2008.

[MS-OXMSG] Microsoft Corporation, "[Outlook Item \(.msg\) File Format](#)", June 2008.

[MS-oxmvmbx] Microsoft Corporation, "[Mailbox Migration](#)", June 2008.

[MS-OXOAB] Microsoft Corporation, "[Offline Address Book \(OAB\) File Format and Schema](#)", June 2008.

[MS-OXOABK] Microsoft Corporation, "[Address Book Object Protocol Specification](#)", April 2008.

[MS-OXOABKT] Microsoft Corporation, "[Address Book User Interface Templates Protocol Specification](#)", April 2008.

[MS-OXOCAL] Microsoft Corporation, "[Appointment and Meeting Object Protocol Specification](#)", June 2008.

[MS-OXOCFG] Microsoft Corporation, "[Configuration Information Protocol Specification](#)", June 2008.

[MS-OXOCNTC] Microsoft Corporation, "[Contact Object Protocol Specification](#)", June 2008.

[MS-OXODLGT] Microsoft Corporation, "[Delegate Access Configuration Protocol Specification](#)", June 2008.

[MS-OXODOC] Microsoft Corporation, "[Document Object Protocol Specification](#)", June 2008.

[MS-OXOFLAG] Microsoft Corporation, "[Informational Flagging Protocol Specification](#)", June 2008.

[MS-OXOJRN] Microsoft Corporation, "[Journal Object Protocol Specification](#)", June 2008.

[MS-OXOMSG] Microsoft Corporation, "[E-Mail Object Protocol Specification](#)", June 2008.

[MS-OXONOTE] Microsoft Corporation, "[Note Object Protocol Specification](#)", June 2008.

[MS-OXOPFFB] Microsoft Corporation, "[Public Folder-Based Free/Busy Protocol Specification](#)", June 2008.

[MS-OXOPOST] Microsoft Corporation, "[Post Object Protocol Specification](#)", June 2008.

[MS-OXORMDR] Microsoft Corporation, "[Reminder Settings Protocol Specification](#)", June 2008.

[MS-OXORMMS] Microsoft Corporation, "[Rights-Managed E-Mail Object Protocol Specification](#)", June 2008.

[MS-OXORSS] Microsoft Corporation, "[RSS Object Protocol Specification](#)", June 2008.

[MS-OXORULE] Microsoft Corporation, "[E-Mail Rules Protocol Specification](#)", June 2008.

[MS-OXOSFLD] Microsoft Corporation, "[Special Folders Protocol Specification](#)", June 2008.

[MS-OXOSMIME] Microsoft Corporation, "[S/MIME E-Mail Object Protocol Specification](#)", June 2008.

[MS-OXOSMMS] Microsoft Corporation, "[Short Message Service \(SMS\) and Multimedia Messaging Service \(MMS\) Object Protocol Specification](#)", June 2008.

[MS-OXOSRCH] Microsoft Corporation, "[Search Folder List Configuration Protocol Specification](#)", June 2008.

[MS-OXOTASK] Microsoft Corporation, "[Task-Related Objects Protocol Specification](#)", June 2008.

[MS-OXOUM] Microsoft Corporation, "[Voice Mail and Fax Objects Protocol Specification](#)", June 2008.

[MS-OXPFOAB] Microsoft Corporation, "[Offline Address Book \(OAB\) Public Folder Retrieval Protocol Specification](#)", June 2008.

[MS-OXPHISH] Microsoft Corporation, "[Phishing Warning Protocol Specification](#)", June 2008.

[MS-OXPOP3] Microsoft Corporation, "[Post Office Protocol Version 3 \(POP3\) Extensions Specification](#)", June 2008.

[MS-OXPROPS] Microsoft Corporation, "[Exchange Server Protocols Master Property List](#)", April 2008.

[MS-OXPROTO] Microsoft Corporation, "[Exchange Server Protocols System Overview](#)", June 2008.

[MS-OXPSVAL] Microsoft Corporation, "[E-Mail Postmark Validation Protocol Specification](#)", June 2008.

[MS-OXREF] Microsoft Corporation, "Exchange Server Protocols Master Reference", June 2008.

[MS-OXRTFCP] Microsoft Corporation, "[Rich Text Format \(RTF\) Compression Protocol Specification](#)", June 2008.

[MS-OXRTFEX] Microsoft Corporation, "[Rich Text Format \(RTF\) Extensions Specification](#)", June 2008.

[MS-OXSHARE] Microsoft Corporation, "[Sharing Message Object Protocol Specification](#)", June 2008.

[MS-OXSHRMSG] Microsoft Corporation, "[Sharing Message Attachment Schema](#)", November 2009.

[MS-OXSMTP] Microsoft Corporation, "[Simple Mail Transfer Protocol \(SMTP\) Mail Submission Extensions](#)", June 2008.

[MS-OXTNEF] Microsoft Corporation, "[Transport Neutral Encapsulation Format \(TNEF\) Data Structure](#)", June 2008.

[MS-OXVCARD] Microsoft Corporation, "[vCard to Contact Object Conversion Protocol Specification](#)", April 2009.

[MS-OXWAVLS] Microsoft Corporation, "[Availability Web Service Protocol Specification](#)", June 2008.

[MS-OXWCONFIG] Microsoft Corporation, "[Web Service Configuration Protocol Specification](#)", April 2009.

[MS-OXWMT] Microsoft Corporation, "[Mail Tips Web Service Extensions](#)", April 2009.

[MS-OXWOAB] Microsoft Corporation, "[Offline Address Book \(OAB\) Retrieval File Format](#)", June 2008.

[MS-OXWOOF] Microsoft Corporation, "[Out of Office \(OOF\) Web Service Protocol Specification](#)", June 2008.

[MS-OXWSADISC] Microsoft Corporation, "[Autodiscover Publishing and Lookup SOAP-Based Web Service Protocol Specification](#)", July 2009.

[MS-OXWSATT] Microsoft Corporation, "[Attachment Handling Web Service Protocol Specification](#)", July 2009.

[MS-OXWSAUTID] Microsoft Corporation, "[Authentication Identification Extension](#)", February 2010.

[MS-OXWSBTRF] Microsoft Corporation, "[Bulk Transfer Web Service Protocol Specification](#)", May 2010.

[MS-OXWSCDATA] Microsoft Corporation, "[Common Web Service Data Types](#)", July 2009.

[MS-OXWSCONT] Microsoft Corporation, "[Contacts Web Service Protocol Specification](#)", July 2009.

[MS-OXWSCONV] Microsoft Corporation, "[Conversations Web Service Protocol Specification](#)", May 2010.

[MS-OXWSCORE] Microsoft Corporation, "[Core Items Web Service Protocol Specification](#)", July 2009.

[MS-OXWSCVTID] Microsoft Corporation, "[Convert Item Identifier Web Service Protocol Specification](#)", July 2009.

[MS-OXWSDLGM] Microsoft Corporation, "[Delegate Access Management Web Service Protocol Specification](#)", July 2009.

[MS-OXWSDLIST] Microsoft Corporation, "[Distribution List Creation and Usage Web Service Protocol Specification](#)", July 2009.

[MS-OXWSFOLD] Microsoft Corporation, "[Folders and Folder Permissions Web Service Protocol Specification](#)", July 2009.

[MS-OXWSGTRM] Microsoft Corporation, "[Get Rooms List Web Service Protocol Specification](#)", July 2009.

[MS-OXWSGTZ] Microsoft Corporation, "[Get Server Time Zone Web Service Protocol Specification](#)", July 2009.

[MS-OXWSLVID] Microsoft Corporation, "[Federated Internet Authentication Web Service Protocol Specification](#)", November 2009.

[MS-OXWSMSG] Microsoft Corporation, "[E-Mail Message Types Web Service Protocol Specification](#)", July 2009.

[MS-OXWSMSHR] Microsoft Corporation, "[Folder Sharing Web Service Protocol Specification](#)", November 2009.

[MS-OXWSMTGS] Microsoft Corporation, "[Calendaring Web Service Protocol Specification](#)", July 2009.

[MS-OXWSMTRK] Microsoft Corporation, "[Message Tracking Web Service Protocol Specification](#)", July 2009.

[MS-OXWSNTIF] Microsoft Corporation, "[Notifications Web Service Protocol Specification](#)", July 2009.

[MS-OXWSPOST] Microsoft Corporation, "[Post Items Web Service Protocol Specification](#)", July 2009.

[MS-OXWSPSNTIF] Microsoft Corporation, "[Push Notifications Web Service Protocol Specification](#)", July 2009.

[MS-OXWSRSLNM] Microsoft Corporation, "[Resolve Recipient Names Web Service Protocol Specification](#)", July 2009.

[MS-OXWSRULES] Microsoft Corporation, "[Inbox Rules Web Service Protocol Specification](#)", May 2010.

[MS-OXWSSRCH] Microsoft Corporation, "[Mailbox Search Web Service Protocol Specification](#)", July 2009.

[MS-OXWSSYNC] Microsoft Corporation, "[Mailbox Contents Synchronization Web Service Protocol Specification](#)", July 2009.

[MS-OXWSTASK] Microsoft Corporation, "[Tasks Web Service Protocol Specification](#)", July 2009.

[MS-OXWSUSRCFG] Microsoft Corporation, "[User Configuration Web Service Protocol Specification](#)", July 2009.

[MS-OXWSXPROP] Microsoft Corporation, "[Extended Properties Web Service Protocol Specification](#)", July 2009.

[MS-OXWUMS] Microsoft Corporation, "[Voice Mail Settings Web Service Protocol Specification](#)", June 2008.

[MS-PATCH] Microsoft Corporation, "[LZX DELTA Compression and Decompression](#)", April 2008.

[MS-RMPR] Microsoft Corporation, "[Rights Management Services \(RMS\): Client-to-Server Protocol Specification](#)", March 2007.

[MS-RPCE] Microsoft Corporation, "[Remote Procedure Call Protocol Extensions](#)", January 2007.

[MS-RPCH] Microsoft Corporation, "[Remote Procedure Call over HTTP Protocol Specification](#)", January 2007.

[MS-SAMR] Microsoft Corporation, "[Security Account Manager \(SAM\) Remote Protocol Specification \(Client-to-Server\)](#)", June 2007.

[MS-SECO] See MS-WSO.

[MS-SIPRE] Microsoft Corporation, "[Session Initiation Protocol \(SIP\) Routing Extensions](#)", June 2008.

[MS-SMTP] Microsoft Corporation, "[NT LAN Manager \(NTLM\) Authentication: Simple Mail Transfer Protocol \(SMTP\) Extension](#)", September 2007.

[MS-STANOICAL] Microsoft Corporation, "[Outlook iCalendar Standards Support](#)", October 2008.

[MS-STANOIMAP] Microsoft Corporation, "[Outlook IMAP Standards Support](#)", October 2008.

[MS-STANOPOP3] Microsoft Corporation, "[Outlook POP3 Standards Support](#)", October 2008.

[MS-STANXICAL] Microsoft Corporation, "[Exchange iCalendar Standards Support](#)", October 2008.

[MS-STANXIMAP] Microsoft Corporation, "[Exchange RFC 3501 - IMAP Standards Support](#)", October 2008.

[MS-STANXPOP3] Microsoft Corporation, "[Exchange POP3 Standards Support](#)", October 2008.

[MS-UCODEREF] Microsoft Corporation, "[Windows Protocols Unicode Reference](#)", July 2007.

[MS-WDV] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Protocol: Client Extensions](#)", August 2007.

[MS-WDVME] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Protocol: Microsoft Extensions](#)", September 2007.

[MS-WDVSE] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Protocol: Server Extensions](#)", September 2007.

[MS-WMF] Microsoft Corporation, "[Windows Metafile Format](#)", June 2007.

[MS-XJRNL] Microsoft Corporation, "[Journal Record Message File Format](#)", June 2008.

[MS-XLOGIN] Microsoft Corporation, "[Simple Mail Transfer Protocol \(SMTP\) AUTH LOGIN Extension](#)", June 2008.

[MS-XWDCAL] Microsoft Corporation, "[\[MS-XWDCAL\]: Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Calendar Support](#)", December 2008.

[MS-XWDCNTC] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Contacts Support](#)", July 2009.

[MS-XWDDOC] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Documents Support](#)", December 2008.

[MS-XWDEXT] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Core Extensions](#)", July 2009.

[MS-XWDFOLD] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Folders Support](#)", December 2008.

[MS-XWDMAIL] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for E-Mail Support](#)", December 2008.

[MS-XWDNOTIF] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Notifications](#)", December 2008.

[MS-XWDREPL] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Replication](#)", December 2008.

[MS-XWDSEARCH] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Search](#)", December 2008.

[MS-XWDSTRUCTDOC] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Extensions for Structured Documents](#)", December 2008.

[MS-XWDVSEC] Microsoft Corporation, "[Web Distributed Authoring and Versioning \(WebDAV\) Protocol Security Descriptor Extensions](#)", June 2008.



## 4 Change Tracking

This section identifies changes that were made to the [MS-OXREF] protocol document between the November 2010 and March 2011 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

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

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

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

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

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

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

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

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



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

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

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

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

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

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">1 Support</a>	Added section.	Y	New content added.
<a href="#">2 External References</a>	Removed the references [CIFS], [ISO/IEC10918-1], and [ISO/IEC15948].	Y	Content removed.
<a href="#">2 External References</a>	Updated the reference [G711] from the November 1998 edition to the June 1990 edition.	N	Content updated.
<a href="#">2 External References</a>	Added a note to the references [ASF], [E164], [IEEE1003.1], [ISO-8601], [WSAddressing], and [WSFederation] .	N	New content added.
<a href="#">2 External References</a>	Removed the references [MSDN-SECNMSPC], [MSFT-CRL], [MSFT-WPXTJ], and [MS-KILE].	Y	Content removed.
<a href="#">2 External References</a>	Removed the references [RFC814], [RFC1730], [RFC2044], [RFC2119], [RFC2183], [RFC2222], [RFC2554], [RFC2743], [RFC2781], [RFC2854], [RFC4234], [RFC4514], and [RFC4918].	Y	Content removed.
<a href="#">2 External References</a>	Removed the references [SMIL], [WAP], [WSSP1.2], and [X509].	Y	Content removed.
<a href="#">2</a>	Added the references [MacBin], [RFC1866], [RFC2110], and	Y	New

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<a href="#">External References</a>	[RFC3977].		content added.
<a href="#">2 External References</a>	Moved the following references to the Internal References section: [MS-ADA1], [MS-ADA3], [MS-ADTS], [MS-CFB], [MS-DTYP], [MS-IFFB], [MS-LCID], [MS-MEETS], [MS-N2HT], [MS-NLMP], and [MS-NSPI].	N	Content removed.
<a href="#">2 External References</a>	Moved the following references to the Internal References section: [MS-NTHT], [MS-OAUT], [MS-OFFCRYPTO], [MS-OSHARED], [MS-RMPR], [MS-RPCE], [MS-RPCH], [MS-SAMR], [MS-SECO], and [MS-SIPRE].	N	Content removed.
<a href="#">2 External References</a>	Moved the following references to the Internal References section: [MS-SMTP], [MS-UCODEREF], [MS-WDV], [MS-WDVME], [MS-WDVSE], and [MS-WMF].	N	Content removed.
<a href="#">2 External References</a>	Changed the bracketed short name of a reference from [MS-MetadataExchange] to [MS-MetadataExchangeDir].	N	Content updated.
<a href="#">2 External References</a>	Changed the bracketed short name of a reference from [WS-Policy] to [WSPOLICY].	N	Content updated.
<a href="#">2 External References</a>	Changed the bracketed short name of a reference from [WSTRUST] to [WSTrust1.4].	N	Content updated.
<a href="#">2 External References</a>	Added the reference [SMIL2.1].	Y	New content added.
<a href="#">3 Internal References</a>	Removed the references [MS-CAB], [MS-OXCETF], and [MS-OXDOCO].	Y	Content removed.
<a href="#">3 Internal References</a>	Added the following references from the External References section: [MS-ADA1], [MS-ADA3], [MS-ADTS], [MS-CFB], [MS-DTYP], [MS-IFFB], [MS-LCID], [MS-MEETS], [MS-N2HT], [MS-NLMP], and [MS-NSPI].	N	New content added.
<a href="#">3 Internal References</a>	Added the following references from the External References section: [MS-NTHT], [MS-OAUT], [MS-OFFCRYPTO], [MS-OSHARED], [MS-RMPR], [MS-RPCE], [MS-RPCH], [MS-SAMR], [MS-SECO], and [MS-SIPRE].	N	New content added.
<a href="#">3 Internal References</a>	Added the following references from the External References section: [MS-SMTP], [MS-UCODEREF], [MS-WDV], [MS-WDVME], [MS-WDVSE], and [MS-WMF].	N	New content added.
<a href="#">3 Internal References</a>	Added the reference [MS-ERREF].	Y	New content added.
<a href="#">3</a>	Changed title of [MS-OXMSG] from ".MSG File Format" to	N	Content

<b>Section</b>	<b>Tracking number (if applicable) and description</b>	<b>Major change (Y or N)</b>	<b>Change type</b>
<a href="#">Internal References</a>	"Outlook Item (.msg) File Format".		updated.
<a href="#">3 Internal References</a>	Changed title of [MS-STANOIMAP] from "Outlook Internet Message Access Protocol (IMAP) Standards Support" to "Outlook IMAP Standards Support".	N	Content updated.
<a href="#">3 Internal References</a>	Changed title of [MS-STANXIMAP] from "Exchange Internet Message Access Protocol (IMAP) Standards Support" to "Exchange RFC 3501 - IMAP Standards Support".	N	Content updated.
<a href="#">3 Internal References</a>	Changed title of [MS-STANXPOP3] from "Exchange Post Office Protocol Version 3 (POP3) Standards Support" to "Exchange POP3 Standards Support".	N	Content updated.
<a href="#">3 Internal References</a>	Changed title of [MS-STANOPOP3] from Outlook Post Office Protocol Version 3 (POP3) Standards Support" to "Outlook POP3 Standards Support".	N	Content updated.