

**PATENT LICENSE**

**MICROSOFT OFFICE 2007 PROTOCOLS**

This **Patent License** (the "**Agreement**") is entered into between Microsoft Licensing GP, a Nevada general partnership, having a principal place of business at 6100 Neil Road, Suite 210, Reno, Nevada 89511-1137 ("**Microsoft**"), and the person or company identified below ("**Licensee**"), effective as of the date it has been signed on behalf of both parties (the "**Effective Date**").

Licensee Full Legal Name: Type of Legal Entity (corporation, partnership, sole proprietorship or other): State/Province Organized: Street Address: City, State & Country: Licensee Contact Name: Phone Number: Fax Number:
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**LICENSEE**

**MICROSOFT LICENSING GP**

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By

\_\_\_\_\_  
By

\_\_\_\_\_  
Name, Title

\_\_\_\_\_  
Name, Title

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Date

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Date

1. **Definitions.** Capitalized terms used in this Agreement are defined in this **Section 1** or elsewhere in this Agreement.
  - 1.1. "**Affiliate**" means, with respect to any party, any entity that directly or indirectly controls, is controlled by or is under common control with such party. For purposes of this definition, "control" means direct or indirect (through any number of successive tiers) ownership of: (a) more than fifty percent (50%) of the outstanding shares having the right to vote for the election of directors or other managing authority of the subject entity; or (b) in the case of an entity which does not have outstanding shares (e.g. a partnership, joint venture or unincorporated association), more than fifty percent (50%) of the ownership interests having the right to make decisions for the subject entity.
  - 1.2. "**Copy**" of a Product means each individual copy of the Product, including all copies that a Customer or Provider is authorized to make under the terms of the agreement under which that Product is Provided, and further including any concurrently running instances of the Product that the Customer is authorized to deploy.
  - 1.3. "**Customer**" means a third party (whether an individual or an entity) that receives a Product for its own use and not for sublicense or further Provision.
  - 1.4. "**Implementation(s)**" means those portion(s) of software developed by or for Licensee that implement Protocols in accordance with the Technical Documentation in order to interoperate with Microsoft Office 2007.
  - 1.5. "**Necessary Claims**" means the claims of a patent or patent application that Microsoft owns or has the right to sublicense without a fee and that are necessarily infringed by implementing the Protocols in accordance with the Technical Documentation in order to interoperate with Microsoft Office 2007. Necessary Claims do not include any claims directed to any technology other than an Implementation; without limiting the foregoing, Necessary Claims do not include any claims directed to (a) underlying or enabling technology that may be used or Provided in connection with a Protocol or an Implementation, (b) any portions of a Product other than the Implementation; or (c) any

implementation of technical documentation, specifications or technologies that are merely referred to in the body of the Technical Documentation.

- 1.6. **“Net Revenues”** means, for each Product: (a) all revenues actually recognized by Licensee in the normal course of business from (1) the Provision of the Product, and (2) any installation, support, maintenance, or similar agreements for services that are contractually required in connection with the Provision of the Product, including in each such case the fair market value of any non-monetary consideration; less (b) any Credits. **“Credits”** means (a) freight, postage, insurance and shipping and handling expenses applicable to the Product (but only, in each instance, if separately priced and identified in the applicable invoices or other agreements); (b) credits, rebates or refunds actually allowed for returns or recalls of the Product; and (c) sales, value-added, excise taxes, tariffs and duties, and other taxes directly related to the Provision of the Product, to the extent that the items described in (a), (b) and (c) are included in the gross invoice price and actually incurred by Licensee. Credits do not include taxes assessed against the income derived from Provision of Products or against Licensee’s business operations.
- 1.7. **“Protocols”** means the software communications protocols listed in Exhibit A, together with any additional protocols that are listed on the following website (or its successor) and are designated as “Microsoft Office 2007 Protocols”:  
<http://msdn2.microsoft.com/en-us/library/cc203350.aspx>
- 1.8. **“Provide”** means selling, offering for sale, importing, licensing, distributing, providing online access to (including under subscriptions or user-based connection fees), hosting, or otherwise making available in any manner to a third party. **“Provider”** means any entity that Licensee authorizes to Provide a Product in accordance with the terms of this Agreement.
- 1.9. **“Royalties”** means the royalties owed under this Agreement, as described in **Section 3** below.
- 1.10. **“Technical Documentation”** means the Microsoft technical documentation for the Protocols located at the following website: <http://msdn2.microsoft.com/en-us/library/cc203350.aspx>
- 1.11. **“User”** means an individual human being that is authorized to access a Product or to otherwise make use of a Product.

## 2. License

- 2.1. License Grant. Microsoft, on behalf of itself and its Affiliates, grants Licensee a worldwide, non-exclusive, personal license under the Necessary Claims to make, use, and Provide Implementations. This license grant is conditioned on Licensee’s payment of Royalties (including prepaid royalties) and Licensee’s and its Providers’ compliance with **Section 2.2**. Licensee may only Provide Implementations as part of products or services Provided under a Licensee Brand (**“Product”**); notwithstanding the foregoing, this Agreement does not grant any licenses under any patents or patent applications with respect to the portions of the Product that do not constitute the Implementation.
- 2.2. Notice. Licensee will ensure that all recipients of source code copies of Products agree to and are bound to the following terms as part of their agreement covering their use of the Product: “This source code may be covered by patents owned by Microsoft Corporation. You are not licensed under any Microsoft patents to distribute this code in any form unless you have obtained an appropriate license from Microsoft. The terms and conditions of such license may be obtained by contacting Microsoft at [protocol@microsoft.com](mailto:protocol@microsoft.com).”
- 2.3. Reservation of Rights. All rights not expressly granted in this Agreement are reserved by Microsoft. No additional rights other than under the Necessary Claims are granted by implication, exhaustion, estoppel or otherwise. Licensee will not claim licenses or other rights under any patents or applications of Microsoft or its Affiliates other than the Necessary Claims as a result of entering into this Agreement or making, using, or Providing any Implementation under this Agreement.
- 2.4. Most Favored Terms. If any other third party enters into a patent license specifically for the Protocols that contains terms that are more advantageous to that third party than the terms of this Agreement, Licensee will have the opportunity to enter into the same agreement as that third party.

If that third party agreement provides for lower Royalties than this Agreement, Licensee will receive a credit against future Royalties owed under this Agreement, consisting of the difference between the amount that Licensee paid under this Agreement for the relevant time period and the amount that Licensee would have owed under the other agreement for that time period.

### 3. Royalties

- 3.1. Prepaid Royalties. Licensee will pay Microsoft \$10,000 in non-refundable prepaid royalties, to be credited against Royalties.
- 3.2. Royalties. Licensee will pay Royalties for each Product containing an Implementation consisting of the Net Revenues for that Product multiplied by the Royalty Rate set forth below, provided that the Royalty per User of that Product or Provided Copy of that Product will not be less than the Minimum Royalty set forth below for the applicable Product Type:

<u>Product Type</u>	<u>Royalty Rate</u>	<u>Minimum Royalty</u>
<b>Client</b> – Software Product that runs on a desktop, laptop, or similar computer and is designed and used to provide computing or data services to a single User or computer	1%	\$1.87 per Copy of the Product
<b>Server</b> – Software Product that is designed or used to provide computing or data services to multiple Users or software programs running on multiple other computers	1%	\$42.27 per Copy of the Product
<b>Service</b> – Product that is Provided to Customers only in the form of a service, i.e., no software or hardware is transferred to the Customer	1%	\$0.13 per unique User of the Service per Quarter
<b>Device</b> – Products that consist of combinations of hardware and software intended for use by a single User, such as mobile phones and personal digital assistants	1%	\$0.34 per Copy of the Product
<b>Other</b> – any Product not specifically described above	1%	\$84.54 per Copy of the Product

- (a) Evaluation Copy Pricing. No Royalties are owed for Copies of a Product that Licensee permits to be used under a written agreement only for a reasonably limited time period and only for testing and evaluation purposes.
- (b) Locked Copies. If Licensee Provides a Copy of a Product using a commercially reasonable form of anti-piracy activation technology such that the Copy cannot be used or installed by a Customer without the use of an associated authorized digital license key, and Provides the Copy under an agreement that permits initial use or installation of the Copy only by means of the key, then Licensee will not be required to treat the Copy as having been “Provided” until Licensee or a Provider first makes the key available to the Customer.

### 3.3. Reporting and Payments.

- (a) Licensee will pay Royalties on a quarterly basis for Provision in the prior full or partial calendar quarter (“**Quarter**”). Licensee will submit Royalty Reports within 30 days after the end of each Quarter to the address specified in **Section 8.1**, with a copy by e-mail to ipnotice@microsoft.com, using a form to be provided by Microsoft. Microsoft will in no event be entitled to obtain any information concerning: (a) the identity of any Provider or Customer of Licensee; or (b) the quantity of Implementations or Products Provided to any particular Provider or Customer of Licensee, except as may be required to determine the total quantity of Copies of Products subject to Royalties under this **Section 3**.
- (b) Microsoft will invoice Licensee for the Royalties owed based on Licensee’s Royalty Reports. Licensee will pay all invoices issued by Microsoft under this Agreement within 30 days to an account specified by Microsoft. All payments due under this Agreement are payable in United

States Dollars. If Licensee receives or makes payments of any amounts that are part of Net Revenues in a currency other than U.S. Dollars, Licensee will calculate Royalties as if such payments were converted to U.S. Dollars at the end of the Quarter in which the payments were received or paid. Licensee will use the applicable currency exchange rate quoted in the *Wall Street Journal* as of 3 pm EST for currency trading among banks in amounts of \$1,000,000 or more on the last day of the applicable Quarter. Microsoft may assess and Licensee will then pay the lesser of (a) a one and one-half percent (1.5%) monthly charge, and (b) the highest amount permitted by applicable law with respect to late charges, on all amounts that are past due from the date due through and including the date Microsoft receives payment in full.

3.4. Taxes. This **Section 3.4** governs the treatment of all taxes arising as a result of or in connection with this Agreement, notwithstanding any other provision of this Agreement.

- (a) Licensee is responsible for the billing, collecting and remitting of sales, use, value added, and other comparable taxes due with respect to the collection of any revenues by Licensee, or any portion thereof. Microsoft is not liable for any taxes (including any penalties or interest thereon), that Licensee is legally obligated to pay and that are incurred by Licensee in connection with this Agreement or any Licensee revenues related to the Provision of any Implementation or Product, and Licensee takes full responsibility for all such taxes. Licensee is not liable for any income taxes that Microsoft is legally obligated to pay with respect to any amounts paid to Microsoft by Licensee under this Agreement.
- (b) Amounts payable to Microsoft under this Agreement exclude any taxes, duties, levies, fees, excises or tariffs imposed on any of Licensee's activities in connection with this Agreement. Licensee will pay to Microsoft any applicable taxes that are owed by Licensee solely as a result of entering into this Agreement and which are permitted to be collected from Licensee by Microsoft under applicable law, except to the extent Licensee provides to Microsoft a valid exemption certificate for such taxes. Licensee agrees to indemnify, defend and hold Microsoft harmless from any taxes (including without limitation sales or use taxes paid by Licensee to Microsoft) or claims, causes of action, costs (including without limitation reasonable attorneys' fees) and any other liabilities of any nature whatsoever related to such taxes.
- (c) If, after a determination by foreign tax authorities, any taxes are required to be withheld on payments made by Licensee to Microsoft, Licensee may deduct such taxes from the amount owed Microsoft and pay them to the appropriate taxing authority; provided however, that Licensee will promptly secure and deliver to Microsoft an official receipt for any such taxes withheld or other documents necessary to enable Microsoft to claim a U.S. Foreign Tax Credit. Licensee will make certain that any taxes withheld are minimized to the extent possible under applicable law.

3.5. Recordkeeping and Audits.

- (a) Recordkeeping. Licensee will maintain accurate and adequate books and records related to its compliance with all terms and conditions of this Agreement (collectively, "**Audit Information**") until the date that is two years from the end of the last Quarter in which Licensee Provides Implementations.
- (b) Audits. Licensee will provide access to Audit Information to a nationally recognized independent certified public accountant ("**Auditor**") selected by Microsoft and approved by Licensee (such approval not to be unreasonably delayed or withheld), for purposes of conducting an audit of Licensees' compliance with the terms and conditions of this Agreement. Licensee must be given at least 30 days notice of any audit and the access will be limited to those portions of the Audit Information necessary to verify Licensee's compliance with this Agreement. The Auditor will use reasonable and customary care to protect the confidentiality of Audit Information. Audits will be conducted during regular business hours at Licensee's facilities. The Auditor may be escorted by Licensee personnel when on Licensee premises, and will not unreasonably interfere with Licensee's normal course of business. Following

conclusion of the audit, the Auditor will provide both Microsoft and Licensee with a report of the results of the audit.

- (c) Frequency and Costs. Audits will not be performed more than once every 12 months, unless an audit discloses a Material Discrepancy, in which case follow-up audits may be conducted until the Material Discrepancy has been resolved. Licensee will promptly pay the costs of any audit(s) that reveal a Material Discrepancy; otherwise, Microsoft will be responsible for the costs. “**Material Discrepancy**” means, with respect to Royalties, the greater of 5% or \$10,000 when compared to the amount that was reported during the period subject to audit; and/or with respect to other terms of this Agreement, material non-compliance with any other material terms.

4. **Confidentiality**. Royalty Reports, Audit Information, and audit reports are Licensee’s confidential information. Microsoft will not disclose them except as may be required by applicable law or as may be required by judicial or governmental order. If possible under the terms of the order, Microsoft will either give Licensee prior notice of the disclosure to enable it to seek a protective order or obtain written assurance that the confidential information will receive the highest level of applicable protection.

5. **Representations and Warranties**

- 5.1. Mutual. Each party represents and warrants that (a) the person executing this Agreement on its behalf has all necessary power and authority to do so, and that upon such signature this Agreement is a legal, valid and binding obligation enforceable against such party, and (b) it is entering into this Agreement in good faith.

- 5.2. DISCLAIMER. EXCEPT AS PROVIDED IN **SECTION 5.1**, EACH PARTY DISCLAIMS ALL WARRANTIES, GUARANTEES, AND CONDITIONS, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

6. **LIMITATIONS OF REMEDIES & LIABILITY**. EXCEPT WITH RESPECT TO A BREACH OF **SECTION 2.2** (NOTICE), OR WITH RESPECT TO ANY INFRINGEMENT OR MISAPPROPRIATION OF EITHER PARTY’S INTELLECTUAL PROPERTY RIGHTS, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, NEITHER PARTY IS LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH ANY PROVISION OF THIS AGREEMENT, REGARDLESS OF THE LEGAL THEORY UPON WHICH ANY CLAIM FOR SUCH DAMAGES IS BASED. THE FOREGOING EXCLUSION APPLIES EVEN IF SUCH PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES IN ADVANCE AND EVEN IF ANY AVAILABLE REMEDY FAILS OF ITS ESSENTIAL PURPOSE.

7. **Term & Termination**

- 7.1. Term. The terms of this Agreement commence upon Microsoft’s receipt of the Prepaid Royalties and continue in effect until all of Microsoft’s rights under the Necessary Claims expire, unless this Agreement is terminated.

- 7.2. Termination. Licensee may terminate this Agreement at any time, in its sole discretion and without cause, by providing written notice to Microsoft. Microsoft may terminate this Agreement by giving Licensee written notice of termination: (i) immediately and at any time, if Licensee is in material breach of **Section 2.2**; or (ii) at any time if Licensee is in material breach of any term or condition of this Agreement and fails to remedy that breach within 60 days after written notice thereof. If Licensee or any of its Affiliates files, maintains or voluntarily participates in a patent infringement lawsuit against Microsoft, its Affiliates, or any Protocol licensee on account of that entity’s implementation of a Protocol, then the license grants in **Section 2.1** are terminated as of the Effective Date with respect to any Implementation of the same Protocol.

- 7.3. Effect of Expiration or Termination. If this Agreement is terminated, Licensee will have no further rights under this Agreement, and the following Sections will survive any expiration or termination of the Agreement: **Sections 2.3** (Reservation of Rights); **3.2 – 3.4** (Royalties; Payments; and Taxes),

with respect to Royalty obligations accrued prior to expiration or termination; **3.5** (Recordkeeping and Audits), for a period of 2 years following expiration or termination; **5** (Representations and Warranties), **6** (Limitation of Remedies & Liability), **7.3** (Effect of Expiration or Termination) and **8** (Miscellaneous). Any expiration or termination of this Agreement is without prejudice to any right or remedy of either party arising out of any breach of this Agreement, including without limitation recovery of any monies due or claimed due under this Agreement.

**8. Miscellaneous**

8.1. Notices. All notices and requests between the parties in connection with this Agreement are deemed given on the day they are received either by messenger, delivery service, or in the United States of America mails, postage prepaid, certified or registered, return receipt requested, and addressed using the contact information indicated on the first page of this Agreement for Licensee, the contact information indicated below for Microsoft, or to such other address as the party to receive the notice or request so designates per this notice provision:

Microsoft Licensing GP Attn: Special Agreements Dept. 551, Volume Licensing 6100 Neil Road, Suite 210 Reno, Nevada 89511-1137	Copy To: Microsoft Corporation Attn: General Manager, Interoperability Group Legal and Corporate Affairs One Microsoft Way Redmond, WA 98052-6399
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8.2. Governing Law; Jurisdiction; Attorneys' Fees. The laws of the State of Washington govern this Agreement. Licensee consents to exclusive jurisdiction and venue in the federal courts sitting in King County, Washington, unless no federal subject matter jurisdiction exists, in which case Licensee consents to exclusive jurisdiction and venue in the Superior Court of King County, Washington. Licensee waives all defenses of lack of personal jurisdiction and forum non conveniens. Process may be served on either party in the manner authorized by applicable law or court rule. In any formal action or suit to enforce any right or remedy under this Agreement or to interpret any provision of this Agreement, the prevailing party is entitled to recover its costs, including reasonable attorneys' fees.

8.3. Assignment. Microsoft may assign this Agreement to an Affiliate. Otherwise, neither party may assign or otherwise transfer this agreement or any of its rights or obligations under this Agreement, whether by operation of contract, law, or otherwise without the consent of the other party, which will not be unreasonably withheld. Any attempted assignment in violation of this **Section 8.3** is null and void and has no force or effect.

8.4. Entire Agreement and Modifications. This Agreement (including its Exhibit) constitutes the entire agreement between the parties with respect to its subject matter and merges all prior and contemporaneous communications on such subject matter. No modifications of this Agreement are effective unless contained in a subsequent written agreement that expressly references this Agreement and its intent to modify its terms, and is signed by duly authorized representatives of Licensee and Microsoft.

**Exhibit A  
Protocols  
(06 November 2009)**

Protocol Name	Technical Documentation Title
1. .MSG File Format Specification	[MS-OXMSG]: .MSG File Format Specification
2. Attachment Handling Web Service Protocol Specification	[MS-OXWSATT]: Attachment Handling Web Service Protocol Specification
3. Access Services Protocol Specification	[MS-ASWS]: Access Services Protocol Specification
4. ActiveSync AirSyncBase Namespace Protocol Specification	[MS-ASAIRS]: ActiveSync AirSyncBase Namespace Protocol Specification
5. ActiveSync Calendar Class Protocol Specification	[MS-ASCAL]: ActiveSync Calendar Class Protocol Specification
6. ActiveSync Command Reference Protocol Specification	[MS-ASCMD]: ActiveSync Command Reference Protocol Specification
7. ActiveSync Contact Class Protocol Specification	[MS-ASCNTC]: ActiveSync Contact Class Protocol Specification
8. ActiveSync Conversations Protocol Specification	[MS-ASCON]: ActiveSync Conversations Protocol Specification
9. ActiveSync Data Types	[MS-ASDTYPE]: ActiveSync Data Types
10. ActiveSync Document Class Protocol Specification	[MS-ASDOC]: ActiveSync Document Class Protocol Specification
11. ActiveSync E-Mail Class Protocol Specification	[MS-AEMAIL]: ActiveSync E-Mail Class Protocol Specification
12. ActiveSync HTTP Protocol Specification	[MS-ASHTTP]: ActiveSync HTTP Protocol Specification
13. ActiveSync Notes Class Protocol Specification	[MS-ASNOTE]: ActiveSync Notes Class Protocol Specification
14. ActiveSync Provisioning Protocol Specification	[MS-ASPROV]: ActiveSync Provisioning Protocol Specification
15. ActiveSync Short Message Service Protocol Specification	[MS-ASMS]: ActiveSync Short Message Service Protocol Specification
16. ActiveSync Tasks Class Protocol Specification	[MS-ASTASK]: ActiveSync Tasks Class Protocol Specification
17. ActiveSync WAP Binary XML Protocol Specification	[MS-ASWBXML]: ActiveSync WAP Binary XML Protocol Specification
18. Address Book Name Service Provider Interface (NSPI) Referral Protocol Specification	[MS-OXABREF]: Address Book Name Service Provider Interface (NSPI) Referral Protocol Specification
19. Address Book Object Protocol Specification	[MS-OXOABK]: Address Book Object Protocol Specification
20. Address Book Server Protocol	[MS-ABS]: Address Book Server Protocol Specification
21. Address Book User Interface Templates Protocol Specification	[MS-OXOABKT]: Address Book User Interface Templates Protocol Specification

Protocol Name	Technical Documentation Title
22. Alerts Interop Protocol	[MS-OSALER]: Alerts Interop Protocol Specification
23. Alerts Service Protocol	[MS-ALERTSS]: Alerts Service Protocol Specification
24. Appointment and Meeting Object Protocol Specification	[MS-OXOCAL]: Appointment and Meeting Object Protocol Specification
25. Audio Video Edge Authentication Protocol	[MS-AVEDGEA] Audio Video Edge Authentication Protocol Specification
26. Autodiscover HTTP Service Protocol Specification	[MS-OXDISCO]: Autodiscover HTTP Service Protocol Specification
27. Autodiscover Publishing and Lookup Protocol Specification	[MS-OXDSCLI]: Autodiscover Publishing and Lookup Protocol Specification
28. AutoDiscover Publishing and Lookup SOAP-based Web Service Protocol Specification	[MS-OXWSADISC]: AutoDiscover Publishing and Lookup SOAP-based Web Service Protocol Specification
29. Availability Web Service Protocol Specification	[MS-OXWAVLS]: Availability Web Service Protocol Specification
30. Best Body Retrieval Protocol Specification	[MS-OXBBODY]: Best Body Retrieval Protocol Specification
31. Bulk Data Transfer Protocol Specification	[MS-OXCFXICS]: Bulk Data Transfer Protocol Specification
32. Calendaring Web Service Protocol Specification	[MS-OXWSMTGS]: Calendaring Web Service Protocol Specification
33. Call Control Protocol Extensions for Exchange Unified Messaging	[MS-OCEXUM]: Call Control Protocol for Exchange Unified Messaging Specification
34. Centralized Conference Control Protocol	[MS-CONFAV]: Centralized Conference Control Protocol Specification [MS-CONFBAS]: Centralized Conference Control Protocol Specification [MS-CONFIM]: Centralized Conference Control Protocol Specification [MS-CONFPRO]: Centralized Conference Control Protocol Specification
35. Centralized Conference Control Protocol: Application Sharing Extensions	[MS-CONFAS]: Centralized Conference Control Protocol: Application Sharing Extensions
36. Client Error Reporting Protocol	[MS-OCER]: Client Error Reporting Protocol Specification
37. Client to Management Server Groove SOAP Protocol	[MS-GRVSPCM]: Client to Management Server Groove SOAP Protocol Specification
38. Common Exchange Server Web Service Data Types Specification	[MS-OXWSCDATA]: Common Exchange Server Web Service Data Types Specification
39. Configuration Information Protocol Specification	[MS-OXOCFG]: Configuration Information Protocol Specification
40. Connection Management Protocol	[MS-CONMGMT] Connection Management Protocol Specification
41. Contact Object Protocol Specification	[MS-OXOCNTC]: Contact Object Protocol Specification
42. Contacts Web Service Protocol Specification	[MS-OXWSCONT]: Contacts Web Service Protocol Specification

Protocol Name	Technical Documentation Title
43. Convert Item Identifier Web Service Protocol Specification	[MS-OXWSCVTID]: Convert Item Identifier Web Service Protocol Specification
44. Core Items Web Service Protocol Specification	[MS-OXWSCORE]: Core Items Web Service Protocol Specification
45. Core Notifications Protocol Specification	[MS-OXCNOTIF]: Core Notifications Protocol Specification
46. Corporate Customer Experience Improvement Program Client-to-Server Protocol Specification	[MS-CCEIP]: Corporate Customer Experience Improvement Program Client-to-Server Protocol Specification
47. Corporate Error Reporting V.1 Protocol	[MS-CER]: Corporate Error Reporting Version 1.0 Protocol Specification
48. Corporate Error Reporting Version 2.0 Protocol Specification	[MS-CER2]: Corporate Error Reporting Version 2.0 Protocol Specification
49. Custom UI XML Markup Specification	[MS-CUSTOMUI]: Custom UI XML Markup Specification
50. Custom UI XML Markup Version 2 Specification	[MS-CUSTOMUI2]: Custom UI XML Markup Version 2 Specification
51. Data Structures Protocol Specification	[MS-OXCDATA]: Data Structures Protocol Specification
52. Delegate Access Configuration Protocol Specification	[MS-OXODLGT]: Delegate Access Configuration Protocol Specification
53. Delegate Access Management Web Service Protocol Specification	[MS-OXWSDLGM]: Delegate Access Management Web Service Protocol Specification
54. Digest Access Authentication: Microsoft Extensions	[MS-DPSP]: Digest Protocol Extensions
55. Distribution List Creation and Usage Web Service Protocol Specification	[MS-OXWSDLIST]: Distribution List Creation and Usage Web Service Protocol Specification
56. Distribution List Expansion Protocol	[MS-DLX]: Distribution List Expansion Protocol Specification
57. Document Object Protocol Specification	[MS-OXODOC]: Document Object Protocol Specification
58. Document Workspace Web Service Protocol	[MS-DWSS]: Document Workspace Web Service Protocol Specification
59. E-mail Message Types Web Service Protocol Specification	[MS-OXWSMSG]: E-mail Message Types Web Service Protocol Specification
60. E-mail Object Protocol Specification	[MS-OXOMSG]: E-mail Object Protocol Specification
61. E-mail Postmark Validation Protocol Specification	[MS-OXPSVAL]: E-mail Postmark Validation Protocol Specification
62. E-mail Rules Protocol Specification	[MS-OXORULE]: E-mail Rules Protocol Specification
63. Enriched Text Format (ETF) Message Body Conversion Protocol Specification	[MS-OXCETF]: Enriched Text Format (ETF) Message Body Conversion Protocol Specification
64. Excel Services Publishing Protocol	[MS-ESURL]: Excel Services Publishing Protocol Specification
65. Exchange Access and Operation Permissions Specification	[MS-OXCPerm]: Exchange Access and Operation Permissions Specification

Protocol Name	Technical Documentation Title
66. Extended Exchange Server Web Service Properties Specification	[MS-OXWSXPROP]: Extended Exchange Server Web Service Properties Specification
67. Federated Internet Authentication Web Service Protocol	[MS-OXWSLVID]: Federated Internet Authentication Web Service Protocol Specification
68. File Synchronization via SOAP over HTTP Protocol	[MS-FSSHTTP]: File Synchronization via SOAP over HTTP Protocol Specification
69. Folder Object Protocol Specification	[MS-OXCFCOLD]: Folder Object Protocol Specification
70. Folder Sharing Web Service	[MS-OXWSMSHR]: Folder Sharing Web Service Protocol Specification
71. Folders and Folder Permissions Web Service Protocol Specification	[MS-OXWSFOLD]: Folders and Folder Permissions Web Service Protocol Specification
72. Forms Service Protocol	[MS-FORMS]: Forms Service Protocol Specification
73. Forms Services Design and Activation Web Service Protocol	[MS-FSDAP]: Forms Services Design and Activation Web Service Protocol Specification
74. Forms Services Feature Detection Protocol	[MS-FSFDP]: Forms Services Feature Detection Protocol Specification
75. Forms Services Proxy Web Service Protocol	[MS-FSPP]: Forms Services Proxy Web Service Protocol Specification
76. FrontPage Server Remote Administration Protocol	[MC-FPSEWM]: FrontPage Server Extensions: Website Management Specification
77. FrontPage Server Remote Protocol Extensions	[MS-FPSE]: FrontPage Server Extensions Remote Protocol Specification
78. Get Rooms List Web Service Protocol Specification	[MS-OXWSGTRM]: Get Rooms List Web Service Protocol Specification
79. Get Server Time Zone Web Service Protocol Specification	[MS-OXWSGTZ]: Get Server Time Zone Web Service Protocol Specification
80. Groove Dynamics Protocol	[MS-GRVDYNM]: Groove Dynamics Protocol Specification
81. Groove RDB Commands Protocol	[MS-GRVRDB]: Groove RDB Commands Protocol Specification
82. HTTP Encapsulation of Simple Symmetric Transport Protocol (SSTP) Protocol	[MS-GRVHENC]: HTTP Encapsulation of Simple Symmetric Transport Protocol (SSTP) Protocol Specification
83. iCalendar to Appointment Object Conversion Protocol Specification	[MS-OXCICAL]: iCalendar to Appointment Object Conversion Protocol Specification
84. IMESync Structure	[MS-IMESYN]: IMESync Structure Specification
85. InfoPath HWS Feature Protocol	[MS-IPHWS]: InfoPath HWS Feature Protocol Specification
86. Informational Flagging Protocol Specification	[MS-OXOFLAG]: Informational Flagging Protocol Specification
87. Interactive Connectivity Establishment (ICE) Extensions	[MS-ICE]: Interactive Connectivity Establishment (ICE) Extensions Specification
88. Interactive Connectivity Establishment (ICE) Extensions 2.0	[MS-ICE2]: Interactive Connectivity Establishment (ICE) Extensions 2.0

Protocol Name	Technical Documentation Title
89. Internet Message Access Protocol Version 4 (IMAP4) Extensions Specification	[MS-OXIMAP4]: Internet Message Access Protocol Version 4 (IMAP4) Extensions Specification
90. Journal Object Protocol Specification	[MS-OXOJRNL]: Journal Object Protocol Specification
91. Journal Record Message Format Protocol Specification	[MS-XJRNL]: Journal Record Message Format Protocol Specification
92. Kerberos Network Authentication Service (V5) Extensions	[MS-KILE]: Kerberos Protocol Extensions
93. Lightweight Directory Access Protocol (LDAP) V3: Microsoft Profile	[MS-ADTS]: Active Directory Technical Specification
94. Lightweight Directory Access Protocol (LDAP) Version 3 Extensions Specification	[MS-OXLDAP]: Lightweight Directory Access Protocol (LDAP) Version 3 Extensions Specification
95. Lists Client Sync Protocol	[MS-OUTSPS]: Lists Client Sync Protocol Specification
96. Lists Web Service Protocol	[MS-LISTSWS]: Lists Web Service Protocol Specification
97. Mail Tips Extensions to Web Service Protocol Specification	[MS-OXWMT]: Mail Tips Extensions to Web Service Protocol Specification
98. Mailbox Contents Synchronization Web Service Protocol Specification	[MS-OXWSSYNC]: Mailbox Contents Synchronization Web Service Protocol Specification
99. Mailbox Migration Protocol Specification	[MS-OXMVMBX]: Mailbox Migration Protocol Specification
100. Mailbox Search Web Service Protocol Specification	[MS-OXWSSRCH]: Mailbox Search Web Service Protocol Specification
101. Mailbox Synchronization Protocol Specification	[MS-OXCSYNC]: Mailbox Synchronization Protocol Specification
102. Management Server to Relay Server Groove SOAP Protocol	[MS-GRVSPMR]: Management Server to Relay Server Groove SOAP Protocol Specification
103. Message and Attachment Object Protocol Specification	[MS-OXCMSG]: Message and Attachment Object Protocol Specification
104. Message Tracking Web Service Protocol Specification	[MS-OXWSMTRK]: Message Tracking Web Service Protocol Specification
105. MetaWeblog Extensions Protocol	[MS-METAWEB]: MetaWeblog Extensions Protocol Specification
106. Microsoft Error Reporting Extension to Corporate Error Reporting Version 1.0 Protocol	[MS-MERX]: Microsoft Error Reporting Extension to Corporate Error Reporting Version 1.0 Protocol Specification
107. Note Object Protocol Specification	[MS-OXONOTE]: Note Object Protocol Specification
108. Notifications Web Service Protocol Specification	[MS-OXWSNTIF]: Notifications Web Service Protocol Specification
109. NT LAN Manager (NTLM) Authentication Protocol	[MS-NLMP]: NT LAN Manager (NTLM) Authentication Protocol Specification
110. ODBC Connection strings	[MS-ODBCSTR]: ODBC Connection String Format Specification

Protocol Name	Technical Documentation Title
111. Office Document Update Utility Extensions Protocol	[MS-WDVMODUU]: Office Document Update Utility Extensions Protocol Specification
112. Office Forms Based Authentication Protocol Specification	[MS-OFBA]: Office Forms Based Authentication Protocol Specification
113. Office Mobile PowerPoint Web Handler Protocol Specification	[MS-OMPWHP]: Office Mobile PowerPoint Web Handler Protocol Specification
114. Office Mobile Word Web Handler Protocol Specification	[MS-OMWWH]: Office Mobile Word Web Handler Protocol Specification
115. Offline Address Book (OAB) Format and Schema Protocol Specification	[MS-OXOAB]: Offline Address Book (OAB) Format and Schema Protocol Specification
116. Offline Address Book (OAB) Public Folder Retrieval Protocol Specification	[MS-OXPFOAB]: Offline Address Book (OAB) Public Folder Retrieval Protocol Specification
117. Offline Address Book (OAB) Retrieval Protocol Specification	[MS-OXWOAB]: Offline Address Book (OAB) Retrieval Protocol Specification
118. OLEDB Connection strings	[MS-OLEDSTR]: OLEDB Connection strings Specification
119. Out of Office (OOF) Web Service Protocol Specification	[MS-OXWOOF]: Out of Office (OOF) Web Service Protocol Specification
120. Phishing Warning Protocol Specification	[MS-OXPHISH]: Phishing Warning Protocol Specification
121. Post Items Web Service Protocol Specification	[MS-OXWSPOST]: Post Items Web Service Protocol Specification
122. Post Object Protocol Specification	[MS-OXOPOST]: Post Object Protocol Specification
123. Post Office Protocol Version 3 (POP3) Extensions Specification	[MS-OXPOP3]: Post Office Protocol Version 3 (POP3) Extensions Specification
124. PowerPoint Web Broadcast Discovery Protocol Specification	[MS-PWBSPS]: PowerPoint Web Broadcast Discovery Protocol Specification
125. PowerPoint Web Broadcast Host Protocol Specification	[MS-PWBHPS]: PowerPoint Web Broadcast Host Protocol Specification
126. PowerPoint Web Broadcast Protocol Specification	[MS-PWBPS]: PowerPoint Web Broadcast Protocol Specification
127. PowerPoint Web Editor Data Protocol Specification	[MS-PWEDPS]: PowerPoint Web Editor Data Protocol Specification
128. PowerPoint Web Viewer Presentation Data Protocol Specification	[MS-PWVPDP]: PowerPoint Web Viewer Presentation Data Protocol Specification
129. PowerPoint Web Viewer Rendered Content Structure Specification	[MS-PWVRCS]: PowerPoint Web Viewer Rendered Content Structure Specification
130. PowerPoint Web Viewer Rendered Static Content Structure Specification	[MS-PWVRSC]: PowerPoint Web Viewer Rendered Static Content Structure Specification
131. Presence Protocol	[MS-PRES]: Presence Protocol Specification
132. Property and Stream Object Protocol Specification	[MS-OXCPRPT]: Property and Stream Object Protocol Specification
133. Public Folder Based Free/Busy Protocol Specification	[MS-OXOPFFB]: Public Folder Based Free/Busy Protocol Specification
134. Push Notifications Web Service Protocol Specification	[MS-OXWSPSNTIF]: Push Notifications Web Service Protocol Specification

Protocol Name	Technical Documentation Title
135. Quality of Experience Monitoring Server Protocol	[MS-QoE]: Quality of Experience Monitoring Server Protocol Specification
136. Real-time Transport Protocol (RTP) Extensions	[MS-RTP]: Real-time Transport Protocol (RTP) Extensions Specification
137. Reminder Settings Protocol Specification	[MS-OXORMDR]: Reminder Settings Protocol Specification
138. Remote Operations (ROP) List and Encoding Protocol Specification	[MS-OXCROPS]: Remote Operations (ROP) List and Encoding Protocol Specification
139. Resolve Recipient Names Web Service Protocol Specification	[MS-OXWSRSLNM]: Resolve Recipient Names Web Service Protocol Specification
140. RFC2822 and MIME to E-mail Object Conversion Protocol Specification	[MS-OXCMAIL]: RFC2822 and MIME to E-mail Object Conversion Protocol Specification
141. Rich Text Format (RTF) Compression Protocol Specification	[MS-OXRTFCP]: Rich Text Format (RTF) Compression Protocol Specification
142. Rich Text Format (RTF) Extensions Specification	[MS-OXRTFEX]: Rich Text Format (RTF) Extensions Specification
143. Rights Management Services (RMS): Client-Server Protocol	[MS-RMPR]: Rights Management Services (RMS): Client-to-Server Protocol Specification
144. Rights Management Services (RMS): ISV Extension Protocol	[MS-RMSI]: Rights Management Services (RMS): ISV Extension Protocol Specification
145. Rights-Managed E-mail Object Protocol Specification	[MS-OXORMMS]: Rights-Managed E-mail Object Protocol Specification
146. Routing to Exchange Unified Messaging Specification	[MS-EUMR]: Routing to Exchange Unified Messaging Specification
147. RSS Object Protocol Specification	[MS-OXORSS]: RSS Object Protocol Specification
148. RTP Payload for DTMF Digits, Telephony Tones, and Telephony Signals Extensions	[MS-DTMF]: RTP Payload for DTMF Digits, Telephony Tones, and Telephony Signals Extensions Specification
149. RTP Payload for Redundant Audio Data Extensions	[MS-RTPRADDEX]: RTP Payload for Redundant Audio Data Extensions Specification
150. RTP Payload Format for Application Sharing Extensions	[MS-RTASPF]: RTP Payload Format for Application Sharing Extensions
151. RTP Payload Format for H.263 Video Streams Extensions	[MS-H263PF]: RTP Payload Format for H.263 Video Streams Extensions Specification
152. RTP Payload Format for RT Video Streams Extensions	[MS-RTVPF]: RTP Payload Format for RT Video Streams Extensions Specification
153. S/MIME E-mail Object Protocol Specification	[MS-OXOSMIME]: S/MIME E-mail Object Protocol Specification
154. Scale Secure Real-time Transport Protocol (SSRTP) Extensions	[MS-SSRTP]: Scale Secure Real-time Transport Protocol (SSRTP) Extensions Specification
155. Search Folder List Configuration Protocol Specification	[MS-OXOSRCH]: Search Folder List Configuration Protocol Specification
156. Secure Real-time Transport Protocol (SRTP) Extensions	[MS-SRTP]: Secure Real-time Transport Protocol (SRTP) Extensions Specification
157. Secure Store Web Service Protocol Specification	[MS-SSWPS]: Secure Store Web Service Protocol Specification

Protocol Name	Technical Documentation Title
158. Server Message Block (SMB) Version 1.0 Protocol	[MS-SMB]: Server Message Block (SMB) Protocol Specification
159. Server Message Block (SMB) Version 2.0 Protocol	[MS-SMB2]: Server Message Block (SMB) Version 2.0 Protocol Specification
160. Server Side Include (SSI) 1.4 Protocol	[MS-PASS]: Passport Server Side Include (SSI) Version 1.4 Protocol Specification
161. Session Description Protocol (SDP) Extensions	[MS-SDPEXT]: Session Description Protocol (SDP) Extensions Specification
162. Session Initiation Protocol (SIP) Authentication Extensions	[MS-SIPAE]: Session Initiation Protocol (SIP) Authentication Extensions Specification
163. Session Initiation Protocol (SIP) Compression Protocol	[MS-SIPCOMP]: Session Initiation Protocol (SIP) Compression Protocol Specification
164. Session Initiation Protocol (SIP) Extensions for PSTN Calls	[MS-OCPEXT]: Session Initiation Protocol (SIP) Extensions for PSTN Calls Specification
165. Session Initiation Protocol (SIP) Registration Extensions	[MS-SIPREGE]: Session Initiation Protocol (SIP) Registration Extensions Specification
166. Session Initiation Protocol (SIP) Routing Extensions	[MS-SIPRE]: Session Initiation Protocol (SIP) Routing Extensions Specification
167. SharePoint Activity Feed Web Interfaces Protocol	[MS-SPAFWI]: SharePoint Activity Feed Web Interfaces Protocol Specification [MS-SPAFWI]:
168. Sharing Message Attachment	[MS-OXSHRMSG]: Sharing Message Attachment Schema
169. Sharing Message Object Protocol Specification	[MS-OXSHARE]: Sharing Message Object Protocol Specification
170. Simple and Protected Generic Security Service Application Program Interface Negotiation Mechanism (SPNEGO): Microsoft Extension	[MS-SPNG]: Simple and Protected Generic Security Service Application Program Interface Negotiation Mechanism (SPNEGO) Protocol Extensions
171. Simple Mail Transfer Protocol (SMTP) Mail Submission Extensions Specification	[MS-OXSMTP]: Simple Mail Transfer Protocol (SMTP) Mail Submission Extensions Specification
172. Simple Symmetric Transport Protocol (SSTP)	[MS-GRVSSTP]: Simple Symmetric Transport Protocol (SSTP) Specification
173. Simple Symmetric Transport Protocol (SSTP) Security Protocol Specification	[MS-GRVSSTPS]: Simple Symmetric Transport Protocol (SSTP) Security Protocol Specification
174. Site Data Web Service Protocol	[MS-SITEDATS]: Site Data Web Service Protocol Specification
175. Slide Library Web Service Protocol	[MS-SLIDELI]: Slide Library Web Service Protocol Specification
176. SMS and MMS Object Protocol Specification	[MS-OXOSMMS]: SMS and MMS Object Protocol Specification
177. SMTP Protocol AUTH LOGIN Extension Specification	[MS-XLOGIN]: SMTP Protocol AUTH LOGIN Extension Specification
178. Spam Confidence Level, Allow and Block Lists Protocol Specification	[MS-OXCSPAM]: Spam Confidence Level, Allow and Block Lists Protocol Specification
179. Special Folders Protocol Specification	[MS-OXOSFLD]: Special Folders Protocol Specification

Protocol Name	Technical Documentation Title
180. SQL Server Binary XML Structure Specification	[MS-BINXML]: SQL Server Binary XML Structure Specification
181. SQL Server Analysis Services 2000 protocol specification	[MS-SSAS8]: SQL Server Analysis Services Protocol Specification
182. SQL Server Analysis Services 2005 protocol specification	[MS-SSAS9]: SQL Server Analysis Services Protocol Specification Reference
183. Store Object Protocol Specification	[MS-OXCSTOR]: Store Object Protocol Specification
184. StsSync Structure	[MS-STSSYN]: StsSync Structure Specification
185. Table Object Protocol Specification	[MS-OXCTABL]: Table Object Protocol Specification
186. Tabular Data Stream Protocol	[MS-TDS]: Tabular Data Stream Protocol Specification
187. Task-Related Objects Protocol Specification	[MS-OXOTASK]: Task-Related Objects Protocol Specification
188. Tasks Protocol Specification	[MS-OXWSTASK]: Tasks Protocol Specification
189. Transport Neutral Encapsulation Format (TNEF) Protocol Specification	[MS-OXTNEF]: Transport Neutral Encapsulation Format (TNEF) Protocol Specification
190. Traversal Using Relay NAT (TURN) Extensions	[MS-TURN]: Traversal Using Relay NAT (TURN) Extensions
191. Universal Data Connection 2.0 XML File Structure	[MS-UDCX]: Universal Data Connection 2.0 XML File Structure Specification
192. User Configuration Web Service Protocol Specification	[MS-OXWSUSRCFG]: User Configuration Web Service Protocol Specification
193. User Profile Social Data Web Service Protocol	[MS-UPSDWS]: User Profile Social Data Web Service Protocol Specification
194. vCard to Contact Object Conversion Protocol Specification	[MS-OXVCARD]: vCard to Contact Object Conversion Protocol Specification
195. Views Web Service Protocol	[MS-VIEWSS]: Views Web Service Protocol Specification
196. Voice Mail and Fax Objects Protocol Specification	[MS-OXOUM]: Voice Mail and Fax Objects Protocol Specification
197. Voice Mail Settings Web Service Protocol Specification	[MS-OXWUMS]: Voice Mail Settings Web Service Protocol Specification
198. Web Distributed Authoring and Versioning (WebDAV) Protocol Security Descriptor Extensions	[MS-XWDVSEC]: Web Distributed Authoring and Versioning (WebDAV) Protocol Security Descriptor Extensions
199. Web Distributed Authoring and Versioning (WebDAV) Protocol: Client Extensions	[MS-WDV]: Web Distributed Authoring and Versioning (WebDAV) Protocol: Client Extensions
200. Web Distributed Authoring and Versioning (WebDAV) Protocol: Microsoft Extensions	[MS-WDVME]: Web Distributed Authoring and Versioning (WebDAV) Protocol: Microsoft Extensions
201. Web Distributed Authoring and Versioning (WebDAV) Protocol: Server Extensions	[MS-WDVSE]: Web Distributed Authoring and Versioning (WebDAV) Protocol: Server Extensions
202. Web Distributed Authoring and Versioning Error Extensions Protocol	[MS-WEBDAVE]: Web Distributed Authoring and Versioning Error Extensions Protocol Specification

Protocol Name	Technical Documentation Title
203. Web Part Pages Web Service Protocol	[MS-WPPS]: Web Part Pages Web Service Protocol Specification
204. Web Service Configuration Protocol Specification	[MS-OXWCONFIG]: Web Service Configuration Protocol Specification
205. WebDAV Core Extensions Specification	[MS-XWDEXT]: WebDAV Core Extensions Specification
206. WebDAV Extensions for Calendar Support Protocol Specification	[MS-XWDCAL]: WebDAV Extensions for Calendar Support Protocol Specification
207. WebDAV Extensions for Contacts Support Protocol Specification	[MS-XWDCNTC]: WebDAV Extensions for Contacts Support Protocol Specification
208. WebDAV Extensions for Documents Support Protocol Specification	[MS-XWDDOC]: WebDAV Extensions for Documents Support Protocol Specification
209. WebDAV Extensions for Email Support Protocol Specification	[MS-XWDMAIL]: WebDAV Extensions for Email Support Protocol Specification
210. WebDAV Extensions for Folders Support Protocol Specification	[MS-XWDFOLD]: WebDAV Extensions for Folders Support Protocol Specification
211. WebDAV Extensions for Notifications Protocol Specification	[MS-XWDNOTIF]: WebDAV Extensions for Notifications Protocol Specification
212. WebDAV Extensions for Replication Protocol Specification	[MS-XWDREPL]: WebDAV Extensions for Replication Protocol Specification
213. WebDAV Extensions for Search Protocol Specification	[MS-XWDSEARCH]: WebDAV Extensions for Search Protocol Specification
214. WebDAV Extensions for Structured Documents Protocol Specification	[MS-XWDSTRUCTDOC]: WebDAV Extensions for Structured Documents Protocol Specification
215. Webs Web Service Protocol	[MS-WEBSS]: Webs Web Service Protocol Specification
216. Wide Area Network Device Presence Protocol (WANDPP)	[MS-GRVWDPPP]: Wide Area Network Device Presence Protocol (WAN DPP) Specification
217. Windows SharePoint Services Collaborative Application Protocol Specification	[MS-WSSCAP]: Windows SharePoint Services Collaborative Application Protocol Specification
218. Windows SharePoint Services: Content Database Core List Schema and Site Provisioning Communications Protocol	[MS-WSSCCSP]: Windows SharePoint Services: Content Database Core List Schema and Site Provisioning Communications Protocol Specification
219. Windows SharePoint Services: Content Database Core List Schema and Site Provisioning Communications Version 2 Protocol	[MS-WSSCCSP2]: Windows SharePoint Services: Content Database Core List Schema and Site Provisioning Communications Version 2 Protocol Specification
220. Wire Format Protocol Specification	[MS-OXCRPC]: Wire Format Protocol Specification
221. Workflow Web Service Protocol	[MS-WWSP]: Workflow Web Service Protocol Specification
222. XML Schema for Media Control Extensions	[MS-XMLMC]: XML Schema for Media Control Extensions Specification