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## Process for publishing XML schema, XML documents and XSLT stylesheets

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## Foreword

54 The Process for publishing XML schema, XML documents and XSLT stylesheets (DSP4009) was  
55 prepared by the Process and Incubation Committee of the DMTF.

56 DMTF is a not-for-profit association of industry members dedicated to promoting enterprise and systems  
57 management and interoperability.

58

## Introduction

59 This document describes the process the DMTF follows when publishing XML schema definitions, XML  
60 instance documents and XSLT stylesheets. The document also defines the format for URIs of XML  
61 namespaces used by published XML schema definitions and XML instance documents, and the  
62 publication location for these documents.



# 63 Process for publishing XML schema, XML documents and 64 XSLT stylesheets

## 65 1 Normative References

66 The following referenced documents are indispensable for the application of this document. For dated  
67 references, only the edition cited applies. For undated references, the latest edition of the referenced  
68 document (including any amendments) applies.

### 69 1.1 Approved References

- 70 [W3C-XMLNS] W3C: Namespaces in XML 1.0 (Second Edition), W3C Recommendation, August 16,  
71 2006, available at <http://www.w3.org/TR/xml-names/>
- 72 [W3C-SCHEMA1] W3C: XML Schema Part 1: Structures, Second Edition, W3C Recommendation,  
73 October 28, 2004, available at <http://www.w3.org/TR/xmlschema-1/>
- 74 [RFC3986] IETF RFC 3986: Uniform Resource Identifier (URI): Generic Syntax, January 2005,  
75 available at <http://www.ietf.org/rfc/rfc3986.txt>
- 76 [DSP4004] DMTF DSP4004, DMTF Release Process, available at  
77 [http://www.dmtf.org/standards/published\\_documents/DSP4004.pdf](http://www.dmtf.org/standards/published_documents/DSP4004.pdf)
- 78 [ABNF] IETF RFC 4234: Augmented BNF for Syntax Specifications: ABNF, October 2005,  
79 available at <http://www.ietf.org/rfc/rfc4234.txt>

### 81 1.2 Terminology

82 The following terminology is used in this document.

- 83
- 84 • A DMTF Group is a DMTF Subcommittee or DMTF working group.
  - 85 • A CR is a DMTF Change Request.

### 85 1.3 Usage of ABNF

86 Any formats in this document are specified using Augmented BNF [ABNF] with the following additional  
87 rules:

- 88
- 89 • Rules separated by a vertical bar (|) represent choices, instead of using a slash (/) as defined in ABNF.

90 Note that ABNF defines that any items in rules shall be concatenated without inserting any implicit  
91 whitespace characters between them, so any intended whitespace characters need to be specified  
92 explicitly in the ABNF syntax.

93 Note that ABNF defines that any literal strings and rule names shall be treated case-insensitively.

## 94 2 URI Format for XML Namespaces

95 Any XML schema published by DMTF shall specify a target XML namespace whose URI has the format  
96 defined in this section.

### 97 **2.1 General URI Format**

98 The format of the XML namespace URI shall be as follows:

99 `xml-namespace-uri = "http://schemas.dmtf.org/" schema-area area-specific`

100 Where:

101 `schema-area = segment`

102 `schema-area` is the name of a schema area within DMTF.

103 `area-specific = 1*( "/" ( segment | compatible-version ) )`

104 `area-specific` is the area-specific portion of the URI within a particular schema area.

105 `segment = 1*(lc-unreserved)`

106 `segment` is a segment between "/" delimiters that does not carry version information.

107 `compatible-version` is a compatible version as defined in subclause 2.3 (Versions in URIs)

108 `lc-unreserved` is any character from the `unreserved` set of characters defined in section 2.3  
109 "Unreserved Characters" of [RFC3986] that is not an upper case letter. In other words,  
110 `lc-unreserved` is any character in the set of lower case letters (a-z), digits (0-9),  
111 hyphen (-), dot (.), underscore (\_) and tilde (~).

112 Note that this URI format is a subset of the general URI format defined in [RFC3986].

### 113 **2.2 DMTF Groups and DMTF Alliance Partners define schema areas and area-** 114 **specific portions according to the process in clause 2.6 (Recommendations** 115 **for area-specific portion of new URIs**

116 The area-specific portion of new XML namespace URIs should follow the recommendations in this  
117 subclause, in addition to the rules defined in clause 2 (URI Format for XML Namespaces).

118 The area-specific portion should consist of the minimal number of segments that express the desired  
119 hierarchy, without introducing any redundancy. For example, using both a DSP number and a name that  
120 corresponds directly to that DSP number should be avoided.

121 Usage of the DSP number of a DMTF published document should be avoided. Instead, names should be  
122 assigned for the segments by the working group. Note that this rule only applies to XML namespace  
123 URIs, as defined in clause 2 (URI Format for XML Namespaces). The URLs used to publish DMTF  
124 documents may contain DSP numbers of DMTF published documents.

125 Segments that represent specifications or directly correspond to specifications should be followed with a  
126 version that expresses the version of the specification. Specifications in this sense are:

- 127 • The CIM Schema
- 128 • Any DSP numbered document
- 129 • Any specification not owned by the DMTF

130 Example for the complete XML namespace URI:

131 `http://schemas.dmtf.org/wbem/messageregistry/1`

132 Process for Registration).

133 The DMTF Groups and DMTF Alliance Partners are responsible for defining the structure of the area-  
134 specific portion of the URI for any of their schema areas. DMTF Groups and DMTF Alliance Partners may  
135 structure the area-specific portion of the URI along one or more levels of hierarchy, where each segment  
136 represents one level of hierarchy. DMTF Groups and DMTF Alliance Partners should follow the



137 recommendations in subclause 2.6 (Recommendations for area-specific portion of new URIs) when  
138 defining the structure of the area-specific portion of the URI for any of their schema areas.

139 The URI and any (resolvable) URLs shall be published in all lower case. Note that some parts of a URI  
140 are case sensitive while others are case insensitive, as defined in section 6.2.2.1 "Case Normalization" of  
141 [RFC3986].

## 142 2.3 Versions in URIs

143 This document defines three kinds of versions for usage in the XML namespace URIs and publishing  
144 URLs defined in this document:

- 145 • **compatible version** - the major version of a DMTF specification as defined in [DSP4004] :

146 `compatible-version = number`

- 147 • **specific version** - the full version of a DMTF specification as defined in [DSP4004], without any  
148 draft letters because preliminary files are published without draft letters :

149 `specific-version = number "." number "." number`

- 150 • **other version** – any other version. This option should not be used for reference to versions of  
151 DMTF specifications and is provided in order to version specifications not owned by the DMTF.

152 Where:

153 `number` is a non-negative whole number in its decimal representation, without any leading zeros  
154 and without a plus (+) sign.

155 As defined in the ABNF syntax in subclause 2.1 (General URI Format), an XML namespace URI may  
156 contain multiple compatible versions. An example for an XML namespace URI with multiple versions is  
157 the class namespace in the *WS-CIM Mapping Specification* **Error! Reference source not found.** which  
158 uses a compatible version for the DSP0230 specification itself, and a compatible version for the CIM  
159 Schema.

## 160 2.4 Schema areas

### 161 2.5 Schema areas and their area-specific parts shall be registered (updates and 162 additions) in the XML Namespace Registry using the process defined in 163 clause 3 (Recommendations for area-specific portion of new URIs

164 The area-specific portion of new XML namespace URIs should follow the recommendations in this  
165 subclause, in addition to the rules defined in clause 2 (URI Format for XML Namespaces).

166 The area-specific portion should consist of the minimal number of segments that express the desired  
167 hierarchy, without introducing any redundancy. For example, using both a DSP number and a name that  
168 corresponds directly to that DSP number should be avoided.

169 Usage of the DSP number of a DMTF published document should be avoided. Instead, names should be  
170 assigned for the segments by the working group. Note that this rule only applies to XML namespace  
171 URIs, as defined in clause 2 (URI Format for XML Namespaces). The URLs used to publish DMTF  
172 documents may contain DSP numbers of DMTF published documents.

173 Segments that represent specifications or directly correspond to specifications should be followed with a  
174 version that expresses the version of the specification. Specifications in this sense are:

- 175 • The CIM Schema
- 176 • Any DSP numbered document
- 177 • Any specification not owned by the DMTF

178 Example for the complete XML namespace URI:

## Process for publishing XML schema, XML documents and XSLT stylesheets

179 <http://schemas.dmtf.org/wbem/messageregistry/1>

180 Process for Registration).

181 The specifics of the definition of a schema area and its area-specific parts are authoritatively owned by  
182 the DMTF group (working group or sub-committee) listed as the owner of the schema area in the  
183 registration change request. In the event that the specific DMTF owner group is not active, the parent of  
184 that group shall be considered the owner.

### 185 **2.6 Recommendations for area-specific portion of new URIs**

186 The area-specific portion of new XML namespace URIs should follow the recommendations in this  
187 subclause, in addition to the rules defined in clause 2 (URI Format for XML Namespaces).

188 The area-specific portion should consist of the minimal number of segments that express the desired  
189 hierarchy, without introducing any redundancy. For example, using both a DSP number and a name that  
190 corresponds directly to that DSP number should be avoided.

191 Usage of the DSP number of a DMTF published document should be avoided. Instead, names should be  
192 assigned for the segments by the working group. Note that this rule only applies to XML namespace  
193 URIs, as defined in clause 2 (URI Format for XML Namespaces). The URLs used to publish DMTF  
194 documents may contain DSP numbers of DMTF published documents.

195 Segments that represent specifications or directly correspond to specifications should be followed with a  
196 version that expresses the version of the specification. Specifications in this sense are:

- 197 • The CIM Schema
- 198 • Any DSP numbered document
- 199 • Any specification not owned by the DMTF

200 Example for the complete XML namespace URI:

201 <http://schemas.dmtf.org/wbem/messageregistry/1>

## 202 **3 Process for Registration**

203 Schema areas may be registered with or without area-specific parts. Area-specific parts may be added  
204 later to schema areas. Area-specific parts may extend existing area-specific parts.

### 205 **3.1 Process for Schema Areas**

#### 206 **3.1.1 Rules**

- 207
- 208 • The form shall only be submitted by DMTF Chairs and DMTF Alliance Partners Liaisons.
- 209 • The form shall be used to establish or update a URI for an XML schema namespace by
- 210 the owning group

#### 211 **3.1.2 Steps**

212

213 The steps are broken into two sections. The steps required by the DMTF Group/Alliance Partner  
214 submitting the request and the DMTF TC handling the request.

215

## Process for publishing XML schema, XML documents and XSLT stylesheets

### 216 3.1.2.1 DMTF Group

- 217  
218 1. A DMTF Group shall fill out the XML Namespace Ownership Request Form, .  
219 2. Once approved by the DMTF Group, that DMTF Group chair shall create a CR  
220 with the contents of the form and submit using the standard CR process.

### 221 3.1.2.2 DMTF Alliance Partner

- 222 1. A DMTF Alliance partner shall fill out the XML Namespace Ownership Request  
223 Form, create a CR with the contents of the form, and submit it to the DMTF VP of  
224 Technology at [vp-technology@dmtf.org](mailto:vp-technology@dmtf.org)  
225 2. The DMTF VP of Technology will have the DMTF TC ballot the request.

### 226 3.1.2.3 DMTF TC Secretary

- 227  
228 1. Prior to opening of a ballot at the DMTF TC, the DMTF TC secretary shall do the  
229 following:  
230
  - 231 • Review the form for completeness/correctness. If not correct, the  
232 form/CR shall be sent back to the submitter to correct and restart the  
233 process.
  - 234 • Forward the CR to the [tc-all@dmtf.org](mailto:tc-all@dmtf.org) alias. This will inform all working  
235 group members that the form has been submitted to the DMTF TC and  
236 will be balloted within two DMTF TC meetings.
  - 237 • Announce the CR at the first available DMTF TC meeting and create a  
238 ballot to be voted on for the next available DMTF TC meeting.
- 239 2. If the ballot does not pass, the DMTF Secretary shall take the following steps  
240
  - 241 • Inform the submitter that it failed and for what reasons.
  - 242 • The process ends at this point. The submitter may resubmit an updated  
243 or new form to restart the process.
- 244 3. If the ballot passes, the DMTF TC Secretary shall take the following steps  
  - Add the URI for the XML Schema namespace and corresponding  
descriptive elements to the XML Namespace Registry.

## 245 3.2 Process for “area-specific” areas

### 246 3.2.1 Rules

- 247 1. A DMTF Group shall fill out the XML Namespace Ownership Request Form.  
248 Once approved by the DMTF Group, the DMTF Group Chair shall send the  
249 completed form to the DMTF VP of Technology.  
250 2. A DMTF Alliance Partner shall fill out the XML Namespace Ownership Request  
251 Form and send the completed form to the DMTF VP of Technology.

## 252 3.3 Form

253

TO	DMTF VP of Technology
FROM	{DMTF Group or DMTF Alliance Partner Member}
GROUP	{DMTF Group or DMTF Alliance Partner Organization Name}

254 Justification: {indicates the purpose of the request and related specification work}

255 Schema area name:

## Process for publishing XML schema, XML documents and XSLT stylesheets

256        schema-area = {ABNF defining the schema area production that conforms to  
257        the general syntax defined in DSP4009}

258        Structure of area-specific portion. The area-specific portion shall have the following format:

259        area-specific = {ABNF defining the area-specific production that  
260        conforms to the general syntax defined in DSP4009}

261

262        When the form is completed, it should be copied into a CR and submitted to the DMTF TC through the  
263        chair of the owning DMTF group using the standard CR process.

### 264        3.3.1 Example Form for Schema area "wbem"

265

TO	DMTF VP of Technology
FROM	{Steve Hand, Infrastructure Subcommittee Chair}
GROUP	{Infrastructure SubCommittee}

266

267        Justification: For top level schemas used by WBEM protocols.

268        Schema area name:

269               schema-area = "wbem"

270        Structure of area-specific portion: The schema area "wbem" is divided into sub-areas. The area-specific  
271        portion shall have the following format:

272        area-specific = "/biosattributeregistry/" biosattributeregistry-format |  
273               "/messageregistry/" messageregistry-format |  
274               "/wscim/" wscim-format |  
275               "/wsman/" wsman-format

276        In the area-specific portion of this example, each area-specific item is composed of its area-specific name  
277        and additional hierarchy of some number of segments and/or compatible version. For example, the  
278        format of the URI for the area-specific portion "messageregistry" has the following format:

279               messageregistry-format = dsp0228-version

280        Where:

281               dsp0228-version is the version number of the *DMTF Message Registry XML Schema*  
282               specification **Error! Reference source not found.**, as a compatible version.

283        Example of the messageregistry complete URI:

284               <http://schemas.dmtf.org/wbem/messageregistry/1>

285        A more complex example is the format of the URI for the area-specific portion "wscim" and can be found  
286        in DSP0230.

## 287        4 Publishing XML Schemas

288        XML schemas published by DMTF shall use the W3C XML Schema approach defined in [W3C-  
289        SCHEMA1] (i.e. .xsd files) to define the schema.

290        XML schemas published by DMTF shall be of the following kinds:

291               1. Static XML schemas.

## Process for publishing XML schema, XML documents and XSLT stylesheets

292 A static XML schema is an XML schema whose W3C XML Schema Definition is a DSP  
293 numbered document. An example for a static XML schema is the *DMTF Message Registry XML*  
294 *Schema Specification* **Error! Reference source not found.**

295 The release of static XML schemas shall follow the process for DMTF standards defined in the  
296 *DMTF Release Process* document [DSP4004], using a file extension of ".xsd". For example:  
297 "DSP0228.xsd".

298 A static XML schema shall have a target XML namespace (e.g. defined using a  
299 `/schema@targetnamespace` attribute). The format of the URI identifying the target XML  
300 namespace of static XML schemas is defined in clause 2 (URI Format for XML Namespaces).

301 Publishing a static XML schema shall include publishing the following entities:

- 302 • **Mandatory:** The content of the DSP numbered .xsd file (i.e. the XML schema) under a  
303 (resolvable) URL for the specific version of the file, defined as follows:

304 `static-schema-specific-publishing-url =`

305 `xml-namespace-uri "/" dsp-number "_" specific_version ".xsd"`

306 where:

307 `xml-namespace-uri` is the URI identifying the target XML namespace of that  
308 XML schema, as defined in clause 2 (URI Format for XML Namespaces).

309 `dsp-number` is the DSP number of the .xsd file being published, in lower case  
310 (e.g. "dsp0228").

311 `specific_version` is the specific version of the DSP numbered .xsd file, as  
312 defined in 2.3 (Versions in URIs) (e.g. "1.0.1")

313 Examples for the complete publishing URL of the specific versions:

314 `http://schemas.dmtf.org/wbem/messageregistry/1/dsp0228_1.0.0.xsd`

315 `http://schemas.dmtf.org/wbem/messageregistry/1/dsp0228_1.0.1.xsd`

- 316 • **Mandatory:** The content of the DSP numbered .xsd file (i.e. the XML schema) under a  
317 (resolvable) URL for the latest version of the file, defined as follows:

318 `static-schema-latest-publishing-url =`

319 `xml-namespace-uri "/" dsp-number ".xsd"`

320 where:

321 `xml-namespace-uri` is the URI identifying the target XML namespace of that  
322 XML schema, as defined in 2 (URI Format for XML Namespaces).

323 `dsp-number` is the DSP number of the .xsd file being published, in lower case  
324 (e.g. "dsp0228").

325 Example for the complete publishing URL of the latest version:

326 `http://schemas.dmtf.org/wbem/messageregistry/1/dsp0228.xsd`

327 Optionally, a DSP numbered document that defines the usage of the XML schema is  
328 recommended to be published using the normal process for such documents. Such documents  
329 shall not show the XML schema or pieces thereof in a normative way, but they may show pieces  
330 of the XML schema in (non-normative) examples.

331 A separate DSP numbered document containing an HTML or other text formatted version created  
332 from the static XML schema is not recommended to be published in addition, since it does not  
333 provide any information in addition to the .xsd file.

334 2. Dynamic XML schemas.

## Process for publishing XML schema, XML documents and XSLT stylesheets

335 A dynamic XML schema is an XML schema for which a DSP numbered document normatively  
336 defines (e.g. using prose text) how to create the XML schema or schemas (i.e. the .xsd files) from  
337 some input information. The .xsd files themselves shall not be DSP numbered documents.

338 A dynamic XML schema may contain .xsd files that are not created from some input information  
339 (i.e. fixed).

340 An example of a dynamic XML schema is the *DMTF WS-CIM Mapping Specification* **Error!**  
341 **Reference source not found.** which uses the CIM Schema as input information, and also has  
342 some fixed .xsd files such as common.xsd.

343 The release of any DSP numbered documents related to dynamic XML schema shall follow the  
344 process for DMTF standards defined in the *DMTF Release Process* document [DSP4004].

345 The release of the .xsd files conforming to these DSP numbered documents shall follow the  
346 process for the CIM Schema defined in the *DMTF Release Process* document [DSP4004] (since  
347 the CIM Schema is the only kind of input information).

348 The format of the URI identifying the target XML namespace of dynamic XML schemas is defined  
349 in clause 2 (URI Format for XML Namespaces).

350 Publishing dynamic XML schemas includes publishing the following entities:

- 351 • Mandatory: The content of each .xsd file (i.e. the XML schema) under a (resolvable) URL  
352 that is defined in the DSP numbered document defining how to create the XML schemas.
- 353 • Mandatory: One or more DSP numbered documents which normatively define (e.g. using  
354 prose text) how to create the XML schemas from some input information.

## 355 5 Publishing XML Instance Documents

356 Publishing XML instance documents requires that the corresponding XML schema is publicly accessible,  
357 either as a result of publishing an XML schema owned by DMTF as defined in clause 4 (Publishing XML  
358 Schemas), or because an XML schema not owned by DMTF is publicly accessible.

359 If that XML schema is owned by DMTF, it shall be static.

360 Even though XML schemas and XSLT stylesheets can be considered XML instance documents  
361 themselves, this clause does not apply to XML schemas or XSLT stylesheets.

362 The XML instance document (i.e. the .xml file) shall be a DSP numbered document. An example is the  
363 *DMTF WBEM Operations Message Registry* **Error! Reference source not found..**

364 The release of XML instance documents with a static XML schema shall follow the process for DMTF  
365 standards defined in the *DMTF Release Process* document [DSP4004], using a file extension of ".xml".  
366 For example: "DSP8016.xml".

367 Publishing an XML instance document with a static XML schema shall include publishing the following  
368 entities:

- 369 • Mandatory: The content of the DSP numbered .xml file (i.e. the XML instance document) under a  
370 (resolvable) URL for the specific version of the file, defined as follows:

```
371 xml-instance-specific-publishing-url =  
372     xml-namespace-uri "/" dsp-number "_" dsp-specific-version ".xml"
```

373 where:

374 xml-namespace-uri is the URI identifying the target XML namespace of the XML  
375 schema of that XML instance document, as defined in clause 2 (URI Format for  
376 XML Namespaces).

377 dsp-number the DSP number of that XML instance document in lower case (e.g.  
378 "dsp8016").

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379            `dsp-specific-version` is the specific version of that XML instance document (e.g.  
380            "1.0.0").

381            Examples for the complete publishing URLs of the specific versions:

382            `http://schemas.dmtf.org/wbem/messageregistry/1/dsp8016_1.0.0.xml`

383            `http://schemas.dmtf.org/wbem/messageregistry/1/dsp8016_1.0.1.xml`

384            • **Mandatory:** The content of the DSP numbered .xml file (i.e. the XML instance document) under a  
385            (resolvable) URL for the latest version of the file, defined as follows:

386            `xml-instance-latest-publishing-url =`

387            `xml-namespace-uri "/" dsp-number ".xml"`

388            where:

389            `xml-namespace-uri` is the URI identifying the target XML namespace of the XML  
390            schema of that XML instance document, as defined in 2 (URI Format for XML  
391            Namespaces).

392            `dsp-number` the DSP number of that XML instance document in lower case (e.g.  
393            "dsp8016").

394            Example for the complete publishing URL of the latest version:

395            `http://schemas.dmtf.org/wbem/messageregistry/1/dsp8016.xml`

396            • **Conditional:** The XML schema itself as described in clause 4 (Publishing XML Schemas), if the  
397            XML schema is owned by DMTF.

## 398    6 Publishing XSLT Stylesheets

399    Each XSLT stylesheet published by DMTF shall be a DSP numbered document. An example is the *DMTF*  
400    *Message Registry Print List XSL File* **Error! Reference source not found.**

401    The release of XSLT stylesheets shall follow the process for DMTF standards defined in the *DMTF*  
402    *Release Process* document [DSP4004], using a file extension of ".xsl". For example: "DSP8000.xsl".

403    XSLT stylesheets are considered to belong to the XML schema to which any input documents of the  
404    XSLT stylesheet conform. If XSLT stylesheets support more than one XML schema, then the XSLT  
405    stylesheet may be placed to any of the supported schemas.

406    Publishing an XSLT stylesheet shall include publishing the following entities:

407            • **Mandatory:** The content of the DSP numbered .xsl file (i.e. the XSLT stylesheet) under a  
408            (resolvable) URL for the specific version of the file, defined as follows:

409            `xslt-stylesheet-specific-publishing-url =`

410            `xml-namespace-uri "/" dsp-number "_" dsp-specific-version ".xsl"`

411            where:

412            `xml-namespace-uri` is the URI identifying the target XML namespace of the XML  
413            schema to which any input documents of the XSLT stylesheet conform, as  
414            defined in 2 (URI Format for XML Namespaces).

415            `dsp-number` is the DSP number of that XSLT stylesheet in lower case (e.g. "dsp8000").

416            `dsp-specific-version` is the specific version of that XSLT stylesheet (e.g. "1.0.0").

417            Examples for the complete publishing URL of the specific versions:

418            `http://schemas.dmtf.org/messageregistry/1/dsp8000_1.0.0.xsl`

419            `http://schemas.dmtf.org/messageregistry/1/dsp8000_1.0.1.xsl`

## Process for publishing XML schema, XML documents and XSLT stylesheets

- 420 • Mandatory: The content of the DSP numbered .xsl file (i.e. the XSLT stylesheet) under a  
421 (resolvable) URL for the latest version of the file, defined as follows:  
422 `xslt-stylesheet-latest-publishing-url =`  
423 `xml-namespace-uri "/" dsp-number ".xsl"`  
424 where:  
425 `xml-namespace-uri` is the URI identifying the target XML namespace of the XML  
426 schema to which any input documents of the XSLT stylesheet conform, as  
427 defined in 2 (URI Format for XML Namespaces).  
428 `dsp-number` is the DSP number of that XSLT stylesheet in lower case (e.g. "dsp8000").  
429 Example for the complete publishing URL of the latest version:  
430 `http://schemas.dmtf.org/messageregistry/1/dsp8000.xsl`



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## ANNEX 1 (informative)

### Change Log

Version	Date	Description
1.0	12/08/2005	Marked Company Review for balloting at DMTF TC.
1.0.0a	01/31/2006	Addressed comments received during Company Review
1.0.0b	2005/01/11	Addressed WIP comments on 1.0.0a version.
1.0.0c	05/25/2006	Added Schema publication location. Put in new template. Added XML and Stylesheet support. Changed URI format.
1.0.0d	06/29/2007	<p>Reflected DMTF TC decisions as of 6/26/2007.</p> <p>Separated descriptions for XML schema (static &amp; dynamic) / XML instance documents / XSLT stylesheets.</p> <p>Added relation of XML schemas to accompanying DSP numbered documents and their publishing locations.</p> <p>Reintroduced compatibility with XML schemas defined in DSP0320 (WS-CIM).</p>
1.0.0e	07/11/2007	<p>Added wbem sub-area wsman.</p> <p>Added initial proposal for smbios.</p> <p>Changed standard messages URI back to what it was.</p> <p>Clarified that URIs are partially case sensitive, with reference to according RFC.</p> <p>Moved URI section to the beginning.</p> <p>Added description of ABNF usage and ABNF reference.</p> <p>Wording changes (schemata -&gt; schemas, URI reference -&gt; reference, other word smithing).</p>
1.0.0f	07/11/2007	<p>Moved URI section to the beginning.</p> <p>Added section with recommendations for new URIs, introducing a concept of versioned segments, and specific vs. compatible versions.</p> <p>Refined proposal for smbios sub-area of "wbem" (now called "biosattributeregistry").</p> <p>Refined proposal for messages sub-area of "wbem" (now called "messageregistry").</p> <p>Added "smashclp" sub-area "clpxmlresponse" and moved dsp0224 stuff there.</p> <p>Clarified that URIs are partially case sensitive, with reference to according RFC.</p> <p>Resolved discussion about publishing XML instance documents to not publish them (except for the DSP numbered document).</p> <p>Added description of ABNF usage and ABNF reference.</p> <p>Some word smithing.</p>
1.0.0g	07/19/2007	<p>Reflected comments during WIP ballot:</p> <ul style="list-style-type: none"> <li>• Added that publishing in lower case applies to any URLs (in addition to URIs).</li> <li>• Changed description format for biosattributeregistry and clpxmlresponse to follow that of messageregistry.</li> <li>• Added ".xsd" suffix to URL creation rules.</li> <li>• Lifted the requirement that DMTF published XML instance documents need their</li> </ul>

## Process for publishing XML schema, XML documents and XSLT stylesheets

Version	Date	Description
		<p>XML schema be published by DMTF so that any outside XML schemas can also be used.</p> <ul style="list-style-type: none"> <li>Clarified that XSLT and XSD files (which are XML instance documents themselves) are not published under the rules for XML instance documents (to avoid ambiguity with their own specific clauses).</li> <li>Clarified that the XML schema definition of a static XML schema <i>is</i> the DSP numbered document, it is not just <i>contained in</i> it.</li> <li>Word smithing.</li> </ul> <p>Added requirement that /schema@targetnamespace attribute be used in XML schemas.</p>
1.0.0h	07/20/2007	<p>Resolved question on smashclp vs. smash schema area: Renamed the schema area "smashclp" to "smash" and sub-area "clpxmlresponse" to "commandresponse" (both are used in DSP0224 which has Final status. Used the unchanged DSP0224 URI and noted that the "/dsp0224.xsd" ending is an exception from the general rule.</p> <p>Clarified that BIOS Attribute Registry XML Schema will actually be coming up.</p>
1.0.0i	08/23/2007	<p>Resolved comments during WIP ballot ending 7/26/2007:</p> <ul style="list-style-type: none"> <li>Uplevelled RFC for ABNF from RFC2234 to RFC4234</li> <li>Removed links in Reference section for specifications that are not yet published and where this document covers their publication.</li> <li>Clarified that compatible versions shall refer to latest published final version, also moved definition of versioning into its own subclause 2.2 "Versions in URIs".</li> <li>Clarified that version numbers shall not have leading zeros or plus signs.</li> <li>Merged ABNF in 2.4 "Recommendations for schema area-specific portion of new URIs" into ABNF in 2.1 "General URI Format".</li> <li>Removed restriction in rules for publishing dynamic XML schemas to apply only to XML schemas created from CIM Schema.</li> <li>Changed publishing place for static XML schemas, XML instance documents and XSLT stylesheets from the DMTF standards page to the schemas.dmtf.org URL.</li> <li>Added examples to publishing URLs.</li> </ul>
1.0.0j	08/27/2007	<p>Resolved additional comments from reviewing previous version:</p> <ul style="list-style-type: none"> <li>Added DSP version of XML instance document to publishing URL for XML instance documents.</li> <li>Clarified that the specific version shall be used in XML namespace URIs.</li> <li>Fixed inconsistency with general URI format of empty area-specific portion used by schema area "stylesheet".</li> <li>Clarified in recommendation subclause that rule to avoid DSP numbers only applies to URIs but not to publishing URLs.</li> <li>Corrected date of RFC4234.</li> <li>Some typo fixes, word smithing and formatting.</li> </ul>
1.0.0a	10/3/2007	New DSP4009 to reflect a process document
1.1.0a (internal)	2/15/2008	Added clause 2.3.4 for URI for OVF, fixed , added "..and compatible.." to 2.3.1.3 and 2.3.1.4
1.1.0e (internal)	5/29/2008	<p>Resolved comments from ballot:</p> <ul style="list-style-type: none"> <li>Consistency changes for area-specific, owning group, etc</li> </ul>

## Process for publishing XML schema, XML documents and XSLT stylesheets

Version	Date	Description
		<ul style="list-style-type: none"> <li>• Added reference to XML Namespace Registry document (DSP number still to be assigned) and corrected references to that document within this document</li> <li>• Clarified schema area registration and ownership in section 2.3</li> <li>• Changed open time of registration ballot from maximum of 2 weeks to minimum of one week to be consistent with text 'will be voted on within two DMTF TC meetings'</li> <li>• Add explanatory text to registration form details in section 3.3</li> <li>• Modified acknowledgement section to be more appropriate</li> <li>• Deleted references not needed by this document</li> </ul>
1.1.0f (internal)	6/7/2008	Resolved further comments from ballot: <ul style="list-style-type: none"> <li>• Added terminology to define "DMTF Group" and "CR", plus some fixups to use that terminology properly.</li> <li>• Clarified that DMTF Groups and DMTF Alliance Partners follow process in clause 3.</li> <li>• Consistently used ISO terminology for "clause" and "subclause".</li> <li>• Fixed some typos.</li> <li>• Clarified that schema areas may be registered with or without area-specific parts, area-specific parts may be added later to schema areas, and area-specific parts may extend existing area-specific parts.</li> <li>• Subclause 3.1.2.2: Clarified that the alliance partner should create the CR and submit to VP of Technology.</li> </ul>
1.1.0g (internal)	6/9/2008	Resolved further comments from ballot: <ul style="list-style-type: none"> <li>• Fixed group name that prepared this document to "Process and Incubation Committee".</li> <li>• Changes use of 'XML schema namespace' throughout the document to 'URI for XML schema namespace' or similar, for accuracy.</li> </ul> Applied WIPCR00481 (Clarify and change namespace URIs and publishing URLs)
2.0.0	6/23/2008	Changed version to 2.x due to incompatibility of XML namespace URIs and publishing URLs with 1.x  Removed usage of draft letters for any artifacts on the publishing URLs.  Separation of process and registry portions of the XML namespace document into 2 documents. DSP4009 contains the process.

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## ANNEX 1 (informative)

### Acknowledgments

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