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5 **Management Profile Specification Template**

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Management Profile Specification Template

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Foreword

72 The Management Profile Specification Template (DSP1000) was prepared by the WIP WG.of the DMTF.

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

Management Profile Specification Template

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Introduction

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Management Profile Specification Template

78 1 Scope

79

80 2 Normative References

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

84 2.1 Approved References

85 DMTF DSP0200, *CIM Operations over HTTP 1.2.0*

86 DMTF DSP0004, *CIM Infrastructure Specification 2.3.0*

87 DMTF DSP1000, *Management Profile Specification Template*

88 DMTF DSP1001, *Management Profile Specification Usage Guide*

89

90 2.2 References under Development

91 <If none specified, remove this section>

92 2.3 Other References

93 ISO/IEC Directives, Part 2, *Rules for the structure and drafting of International Standards*,
94 <http://isotc.iso.org/livelink/livelink.exe?func=ll&objId=4230456&objAction=browse&sort=subtype>

95 Unified Modeling Language (UML) from the Open Management Group (OMG), <http://www.uml.org>

96

97 3 Terms and Definitions

98 For the purposes of this document, the following terms and definitions apply. For the purposes of this
99 document, the terms and definitions given in DSP1033 and DSP1001 also apply.

100 3.1

101 **can**

102 used for statements of possibility and capability, whether material, physical, or causal

103 3.2

104 **cannot**

105 used for statements of possibility and capability, whether material, physical, or causal

106 **3.3**
107 **conditional**
108 indicates requirements to be followed strictly in order to conform to the document when the specified
109 conditions are met

110 **3.4**
111 **mandatory**
112 indicates requirements to be followed strictly in order to conform to the document and from which no
113 deviation is permitted

114 **3.5**
115 **may**
116 indicates a course of action permissible within the limits of the document

117 **3.6**
118 **need not**
119 indicates a course of action permissible within the limits of the document

120 **3.7**
121 **optional**
122 indicates a course of action permissible within the limits of the document

123 **3.8**
124 **referencing profile**
125 indicates a profile that owns the definition of this class and can include a reference to this profile in its
126 "Related Profiles" table

127 **3.9**
128 **shall**
129 indicates requirements to be followed strictly in order to conform to the document and from which no
130 deviation is permitted

131 **3.10**
132 **shall not**
133 indicates requirements to be followed in order to conform to the document and from which no deviation is
134 permitted

135 **3.11**
136 **should**
137 indicates that among several possibilities, one is recommended as particularly suitable, without
138 mentioning or excluding others, or that a certain course of action is preferred but not necessarily required

139 **3.12**
140 **should not**
141 indicates that a certain possibility or course of action is deprecated but not prohibited

142 **3.13**
 143 **unspecified**
 144 Keyword indicating that this profile does not define any constraints for the referenced CIM element or
 145 operation

146 **3.14**
 147 **term**
 148 term definition

149 **4 Symbols and Abbreviated Terms**

150 The following symbols and abbreviations are used in this document.

151 **4.1**
 152 **term**
 153 term definition

154 **5 Synopsis**

155 **Profile Name:** Management Profile Specification Template

156 **Version:** 1.0.0

157 **Organization:** WIP WG

158 **CIM schema version:** <CIM Schema Version>

159 **Central Class:** <CIM Class Name>

160 **Scoping Class:** <CIM Class Name>

161 Table 1 identifies profiles on which this profile has a dependency.

162 **Table 1 – Referenced Profiles**

Profile Name	Organization	Version	Description

163

164 **6 Description**

165 Figure 1 represents the class schema for the Management Profile Specification Template. For simplicity,
 166 the prefix CIM_ has been removed from the names of the classes.

167

168 **Figure 1 – Management Profile Specification Template: Profile Class Diagram**

- 169 **6.1 Subclause Level 1 w/ TOC Entry**
- 170 **6.1.1 Subclause Level 2 w/ TOC Entry**
- 171 **6.1.1.1 Subclause Level 3 w/ TOC Entry**
- 172 **6.1.1.1.1 Subclause Level 4 w/ TOC Entry**
- 173 **6.1.1.1.1.1 Subclause Level 5 w/ TOC Entry**

174 **7 Implementation**

175 This section details the requirements related to the arrangement of instances and their properties for
 176 implementations of this profile.

- 177 **7.1 Subclause Level 1 w/ TOC Entry**
- 178 **7.1.1 Subclause Level 2 w/ TOC Entry**
- 179 **7.1.1.1 Subclause Level 3 w/ TOC Entry**
- 180 **7.1.1.1.1 Subclause Level 4 w/ TOC Entry**
- 181 **7.1.1.1.1.1 Subclause Level 5 w/ TOC Entry**

182

183 **8 Methods**

184 This section details the requirements for supporting intrinsic operations and extrinsic methods for the CIM
 185 elements defined by this profile.

186 **8.1 Subclause Level 1 w/ TOC Entry**

187 <Normative Extrinsic Method Behavioral Description>

188 **Table 2 – <Method Name>: Return Code Values**

Value	Description
0	<Description>
1	

189

190 **Table 3 – <Method Name>: Standard Messages**

Value	Description
No standard messages are defined.	

191

192

Table 4 – <Method Name>: Method Parameters

Qualifiers	Name	Type	Description/Values
IN, REQ	<param name>	<param type>	
OUT	<param name>	<param type>	

193

194 **8.1.1 Subclause Level 2 w/ TOC Entry**

195 **8.1.1.1 Subclause Level 3 w/ TOC Entry**

196 **8.1.1.1.1 Subclause Level 4 w/ TOC Entry**

197 **8.1.1.1.1.1 Subclause Level 5 w/ TOC Entry**

198 **8.2 Profile Conventions for Operations**

199 Support for operations for each profile class (including associations) is specified in the following
 200 subclauses. Each subclause includes either the statement “All operations in the default list in section 8.2
 201 are supported as described by DSP0200 version 1.2” or a table listing all of the operations that are not
 202 supported by this profile or where the profile requires behavior other than that described by DSP0200.

203 The default list of operations is as follows:

- 204 • GetInstance
- 205 • Associators
- 206 • AssociatorNames
- 207 • References
- 208 • ReferenceNames
- 209 • EnumerateInstances
- 210 • EnumerateInstanceNames

211 A compliant implementation shall support all of the operations in the default list for each class, unless the
 212 “Requirement” column states something other than *Mandatory*.

213 **8.3 Subclause Level 1 w/ TOC Entry**

214 <Normative Intrinsic Operations Behavioral Description>

215 Table 5 lists operations that either have special requirements beyond those from DSP0200 or shall not be
 216 supported.

217

Table 5 – Operations: <CIM Class Name>

Operation	Requirement	Messages
GetInstance	Mandatory	None
ModifyInstance	Unspecified	None

Associators	Unspecified	None
AssociatorNames	Unspecified	None
References	Unspecified	None
ReferenceNames	Unspecified	None
EnumerateInstances	Unspecified	None
EnumerateInstanceNames	Unspecified	None

218

219 **8.3.1 Subclause Level 2 w/ TOC Entry**

220 **8.3.1.1 Subclause Level 3 w/ TOC Entry**

221 **8.3.1.1.1 Subclause Level 4 w/ TOC Entry**

222 **8.3.1.1.1.1 Subclause Level 5 w/ TOC Entry**

223

224 **9 Use Cases**

225 This section contains object diagrams and use cases for the Management Profile Specification Template.

226 **9.1 Subclause Level 1 w/ TOC Entry**

227 **9.1.1 Subclause Level 2 w/ TOC Entry**

228 **9.1.1.1 Subclause Level 3 w/ TOC Entry**

229 **9.1.1.1.1 Subclause Level 4 w/ TOC Entry**

230 **9.1.1.1.1.1 Subclause Level 5 w/ TOC Entry**

231

232 **10 CIM Elements**

233 Table 6 shows the instances of CIM Elements for this profile. Instances of the CIM Elements shall be
 234 implemented as described in Table 6. Sections 7 (“Implementation”) and 8 (“Methods”) may impose
 235 additional requirements on these elements.

236

Table 6 – CIM Elements: Management Profile Specification Template

Element Name	Requirement	Description
Classes		
<CIM Class Name>	Mandatory	
<CIM Class Name>	Conditional	
<CIM Class Name>	Optional	
Indications		

Element Name	Requirement	Description
None defined in this profile		

237

238 **10.1 Subclause Level 1 w/ TOC Entry**

239 <normative text>

240

Table 7 – Class: CIM_<ClassName>

Elements	Requirement	Notes
xxx	Mandatory	Key: <description>
yyy	Mandatory	<description>

241

242 **10.1.1 Subclause Level 2 w/ TOC Entry**

243 **10.1.1.1 Subclause Level 3 w/ TOC Entry**

244 **10.1.1.1.1 Subclause Level 4 w/ TOC Entry**

245 **10.1.1.1.1.1 Subclause Level 5 w/ TOC Entry**

246

247
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251

ANNEX A
(normative)

insert annex title here

- 252 **A.1 Annex Head 1**
- 253 **A.1.1 Annex Head 2**
- 254 **A.2 Annex Clause Title**
- 255 **A.2.1 Annex Subclause Level 1**
- 256 **A.3 Annex Clause Title**
- 257 **A.3.1 Annex Subclause Level 1 w/o TOC entry**
- 258

259
260
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ANNEX B
(informative)

Change Log

Version	Date	Author	Description

264
265
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267
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ANNEX C (informative)

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280

Bibliography

281 This section contains a list of the external references and dependencies for this specification. (Remove if
282 none specified)

283 [1]

284 [2]