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Document Number: DSP1028

Date: 2009-06-22

Version: 1.0.0

5 **Alarm Device Profile**

6 **Document Type: Specification**

7 **Document Status: DMTF Standard**

8 **Document Language: E**

9

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101

Foreword

102 The *Alarm Device Profile* (DSP1028) was prepared by the Desktop and Mobile Working Group.

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

105 Acknowledgments

106 The authors wish to acknowledge the following people.

107 Editor:

- 108 • Jon Hass – Dell Inc.

109 Contributors:

- 110 • Aaron Merkin – IBM
- 111 • David Hines – Intel
- 112 • Hemal Shah – Broadcom
- 113 • Jon Hass – Dell
- 114 • Scott Lenharth – Dell

115

116

Introduction

117 This document defines the classes used to describe the alarm devices in a managed system. Also
118 included are descriptions of association classes that describe the relationship of the alarm device with the
119 device's physical aspects and the DMTF profile version information. The information in this specification is
120 intended to be sufficient for a provider or consumer of this data to identify unambiguously the classes,
121 properties, methods, and values that are mandatory to be instantiated and manipulated to represent and
122 manage alarm devices of managed systems and subsystems modeled using the DMTF CIM core and
123 extended model definitions.

124 The target audience for this specification is implementers who are writing CIM-based providers or
125 consumers of management interfaces representing the component described in this document.

126

Alarm Device Profile

127 1 Scope

128 The *Alarm Device Profile* extends the management capabilities of referencing profiles by adding the
129 capability to represent alarm devices for manageability. The alarm device as a logical device is modeled
130 as referencing the alarm device physical package for physical asset information and the profile
131 registration for the schema implementation version information.

132 2 Normative References

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

136 2.1 Approved References

137 DMTF DSP0004, *CIM Infrastructure Specification 2.5*,
138 http://www.dmtf.org/standards/published_documents/DSP0004_2.5.pdf

139 DMTF DSP0200, *CIM Operations over HTTP 1.2*,
140 http://www.dmtf.org/standards/published_documents/DSP0200_1.2.pdf

141 DMTF DSP1001, *Management Profile Specification Usage Guide 1.0*,
142 http://www.dmtf.org/standards/published_documents/DSP1001_1.0.pdf

143 DMTF DSP1011, *Physical Asset Profile 1.0*,
144 http://www.dmtf.org/standards/published_documents/DSP1011_1.0.pdf

145 DMTF DSP1033, *Profile Registration Profile 1.0*,
146 http://www.dmtf.org/standards/published_documents/DSP1033_1.0.pdf

147 2.2 Other References

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

150 3 Terms and Definitions

151 For the purposes of this document, the following terms and definitions apply.

152 3.1

153 alarm device

154 a device that emits sound or light, or exhibits motion, to draw attention to a problem situation. An example
155 of an alarm device is the amber warning LED on a workstation computer.

156 3.2

157 can

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

159 3.3

160 cannot

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

- 162 **3.4**
163 **conditional**
164 indicates requirements to be strictly followed in order to conform to the document when the specified
165 conditions are met
- 166 **3.5**
167 **mandatory**
168 indicates requirements to be strictly followed, in order to conform to the document and from which no
169 deviation is permitted
- 170 **3.6**
171 **may**
172 indicates a course of action permissible within the limits of the document
- 173 **3.7**
174 **need not**
175 indicates a course of action permissible within the limits of the document
- 176 **3.8**
177 **optional**
178 indicates a course of action permissible within the limits of the document
- 179 **3.9**
180 **referencing profile**
181 indicates a profile that owns the definition of this class and can include a reference to this profile in its
182 "Referenced Profiles" table
- 183 **3.10**
184 **shall**
185 indicates requirements to be strictly followed, in order to conform to the document and from which no
186 deviation is permitted
- 187 **3.11**
188 **shall not**
189 indicates requirements to be strictly followed, in order to conform to the document and from which no
190 deviation is permitted
- 191 **3.12**
192 **should**
193 indicates that among several possibilities, one is recommended as particularly suitable, without
194 mentioning or excluding others, or that a certain course of action is preferred but not necessarily required.
- 195 **3.13**
196 **should not**
197 indicates that a certain possibility or course of action is deprecated but not prohibited
- 198 **3.14**
199 **unspecified**
200 indicates that this profile does not define any constraints for the referenced CIM element

201 4 Symbols and Abbreviated Terms

202 4.1

203 CIM

204 Common Information Model

205 4.2

206 FRU

207 Field Replaceable Unit

208 4.3

209 LED

210 Light-Emitting Diode

211 5 Synopsis

212 **Profile Name:** Alarm Device

213 **Version:** 1.0.0

214 **Organization:** DMTF

215 **CIM Schema Version:** 2.22

216 **Central Class:** CIM_AlarmDevice

217 **Scoping Class:** CIM_ComputerSystem

218 The *Alarm Device Profile* extends the management capability of the referencing profiles to describe and
 219 set the logical properties of an alarm device. For the purposes of this profile, an alarm device is defined to
 220 be an LED or audible alarm that reports a problem. Alarm device properties include a description of the
 221 alarm's type (such as audible-only) and the current state of the alarm. The profile also describes
 222 operations such as turning an alarm on or off. Table 1 identifies profiles on which this profile has a
 223 dependency.

224

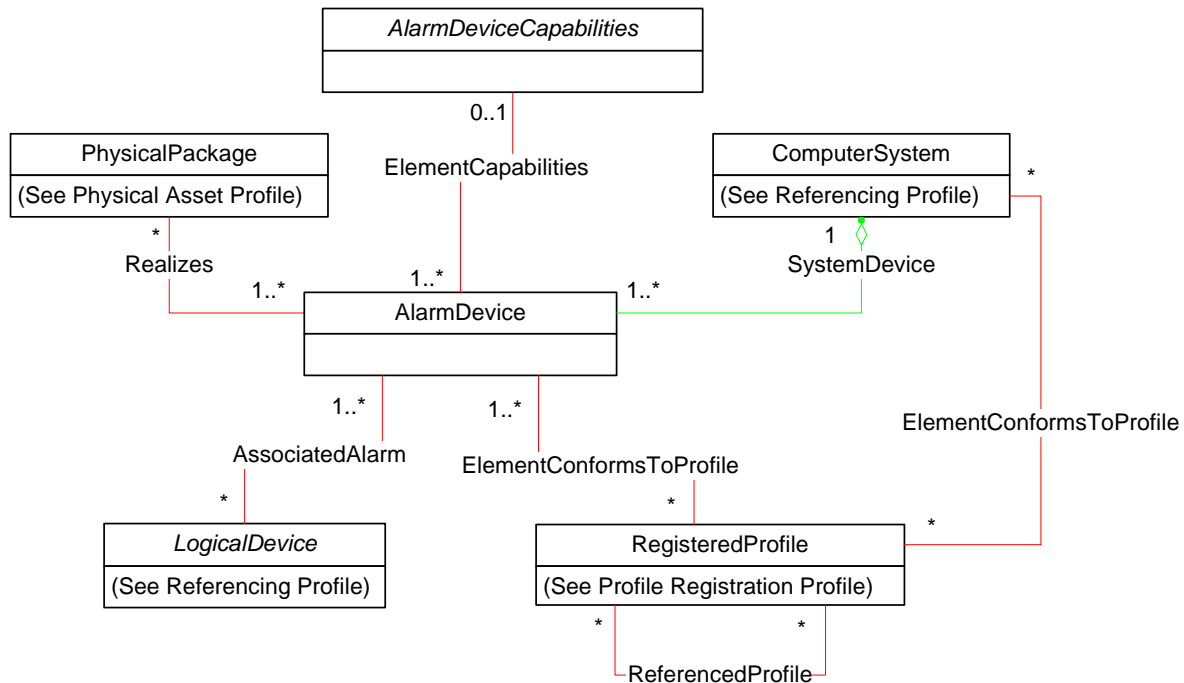
Table 1 – Referenced Profiles

Profile Name	Organization	Version	Relationship	Behavior
Physical Asset	DMTF	1.0.	Optional	
Profile Registration	DMTF	1.0	Mandatory	

225 6 Description

226 The [Physical Asset Profile](#) may be used to represent the physical description of the alarm device. If
 227 implemented, information such as FRU is represented by an instance of the CIM_PhysicalPackage class
 228 that is associated to the CIM_AlarmDevice instance through the CIM_Realizes association. The device
 229 that the alarm device is associated with is represented by a CIM_LogicalDevice subclass instance
 230 associated to a CIM_AlarmDevice instance through the CIM_AssociatedAlarm association. The version of
 231 the *Alarm Device Profile* implemented is represented through the CIM_RegisteredProfile class.

232 Figure 1 represents the class schema for the *Alarm Device Profile*. For simplicity, the prefix CIM_ has
 233 been removed from the names of the classes.



234

235

Figure 1 – Class Diagram

236 7 Implementation Requirements

237 This section details the requirements related to the arrangement of instances and properties of instances
 238 for implementations of this profile.

239 7.1 CIM_AlarmDevice

240 At least one instance of CIM_AlarmDevice shall be instantiated.

241 7.2 CIM_AlarmDevice.AlarmState Value Formulation

242 Table 2 describes the mapping between the CIM_AlarmDevice.AlarmState property values and the
 243 corresponding description of the state of the alarm. The CIM_AlarmDevice.AlarmState property shall
 244 match one of the values that are specified in Table 2. When the CIM_AlarmDevice.SetAlarmState()
 245 method does not complete successfully and the alarm is in an indeterminate state, the
 246 CIM_AlarmDevice.AlarmState property shall have a value of 0 (Unknown). When the method does
 247 complete successfully, the value of CIM_AlarmDevice.AlarmState shall match the value of the
 248 RequestedAlarmState parameter. The value of the CIM_AlarmDevice.AlarmState property may also
 249 change as the result of a change to the alarm’s state by a non-CIM implementation.

250

Table 2 – AlarmState Values

Value	Description	Extended Description
0	Unknown	The alarm state is unknown.
1	Off	The alarm is not active.
2	Steady	The alarm is active and indicating steadily.
3	Alternating	The alarm is active and indicating in an alternating pattern.

251 **7.3 CIM_AlarmDevice.RequestedState Value Formulation**

252 When state management is supported, the RequestedState property shall be supported. The
 253 CIM_AlarmDevice.RequestedState property shall be set to the value of the RequestedState parameter of
 254 the CIM_AlarmDevice.SetAlarmState() method, if the method is executed and is supported.

255 **7.4 CIM_AlarmDevice.AudioIndicatorIsDisabled,**
 256 **CIM_AlarmDevice.VisualIndicatorIsDisabled, and**
 257 **CIM_AlarmDevice.MotionIndicatorIsDisabled Value Formulations**

258 Table 3 describes the mapping between the CIM_AlarmDevice.AudioIndicatorIsDisabled,
 259 CIM_AlarmDevice.VisualIndicatorIsDisabled, and CIM_AlarmDevice.MotionIndicatorIsDisabled property
 260 values and the corresponding description of the enablement of the alarm. The
 261 CIM_AlarmDevice.AudioIndicatorIsDisabled, CIM_AlarmDevice.VisualIndicatorIsDisabled, and
 262 CIM_AlarmDevice.MotionIndicatorIsDisabled properties shall match one of the values that are specified in
 263 Table 3. The value of the properties may also change as the result of a change to the alarm by a non-CIM
 264 implementation.

265 **Table 3 – Alarm Indicator Values**

Property	Value	Description
AudioIndicatorIsDisabled	True	The audio indicator is disabled (that is, muted).
AudioIndicatorIsDisabled	False	The audio indicator is enabled.
VisualIndicatorIsDisabled	True	The visual indicator is disabled (that is, dimmed).
VisualIndicatorIsDisabled	False	The visual indicator is enabled.
MotionIndicatorIsDisabled	True	The motion indicator is disabled (that is, stopped).
MotionIndicatorIsDisabled	False	The motion indicator is enabled.

266 When the CIM_AlarmDevice.SetAlarmIndicator() method completes successfully, the value of the
 267 corresponding CIM_AlarmDevice property shall be changed to correspond with the value of the
 268 corresponding method parameter as shown in Table 4.

269 **Table 4 – Alarm Indicators Modified by SetAlarmIndicator() Method**

Parameter	Parameter Value	Property	Property Value
AudioIndicator	1 (Disable)	AudioIndicatorIsDisabled	True
AudioIndicator	2 (Enable)	AudioIndicatorIsDisabled	False
VisualIndicator	1 (Disable)	VisualIndicatorIsDisabled	True
VisualIndicator	2 (Enable)	VisualIndicatorIsDisabled	False
MotionIndicator	1 (Disable)	MotionIndicatorIsDisabled	True
MotionIndicator	2 (Enable)	MotionIndicatorIsDisabled	False

270 **7.5 CIM_AssociatedAlarm (Optional)**

271 The CIM_AssociatedAlarm association class is used in the *Alarm Device Profile* to associate the alarm
 272 device to the component that uses or requires it. If a component that uses or requires the alarm is
 273 represented by an instance of a subclass of CIM_LogicalDevice, then the CIM_AssociatedAlarm
 274 association class shall be used.

275 When no instance of CIM_AssociatedAlarm references the instance of CIM_AlarmDevice, the alarm
 276 represented by CIM_AlarmDevice works on behalf of the whole managed system. In this case, the
 277 CIM_ComputerSystem instance and the CIM_AlarmDevice instance shall be associated only through an
 278 instance of CIM_SystemDevice.

279 7.6 CIM_AlarmDevice.ElementName

280 CIM_AlarmDevice.ElementName shall be formatted as a free-form string of variable length (pattern “.*”).

281 7.7 Managing the Alarm Device’s State

282 This section describes the management of the alarm device’s state.

283 7.7.1 CIM_AlarmDeviceCapabilities (Optional)

284 CIM_AlarmDeviceCapabilities is used for advertising the capabilities of the CIM_AlarmDevice instance.
285 When no CIM_AlarmDeviceCapabilities instance is associated with the CIM_AlarmDevice instance, state
286 management shall not be supported.

287 7.7.1.1 CIM_AlarmDeviceCapabilities.RequestedAlarmStatesSupported

288 CIM_AlarmDeviceCapabilities.RequestedAlarmStatesSupported is an array that contains the supported
289 requested alarm states for the instance of CIM_AlarmDevice. The value of the
290 CIM_AlarmDeviceCapabilities.RequestedAlarmStatesSupported property shall be an empty array or
291 contain any combination of the following values: 1 (Off), 2 (Steady), or 3 (Alternating).

292 7.7.1.2 CIM_AlarmDeviceCapabilities.ChangeableAlarmIndicatorsSupported

293 CIM_AlarmDeviceCapabilities.ChangeableAlarmIndicatorsSupported is an array that contains the
294 supported alarm indicators that can be enabled and disabled for the instance of CIM_AlarmDevice. The
295 value of the CIM_AlarmDeviceCapabilities.ChangeableAlarmIndicatorsSupported property shall be an
296 empty array or contain any combination of the following values: 1 (Audio), 2 (Visual), or 3 (Motion).

297 8 Methods

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

300 8.1 Method: CIM_AlarmDevice.SetAlarmState()

301 The SetAlarmState() method will change the current state of the alarm. Successful completion of the
302 method will change CIM_AlarmDevice.AlarmState to the value specified in the RequestedAlarmState
303 parameter. The CIM_AlarmDevice.AlarmState property shall be affected by the SetAlarmState() method
304 invocation as specified in Section 7.2.

305 The SetAlarmState() method’s detailed requirements are specified in Table 5 and Table 6. The values
306 specified in Table 5 shall be returned by SetAlarmState() method when the execution behavior of the
307 method matches the description in Table 5.

308 **Table 5 – CIM_AlarmDevice.SetAlarmState() Method: Return Code Values**

Value	Description
0	Initiation of the state change request was successful.
1	Specified state is not supported.
2	Error occurred.

309 Table 6 specifies SetAlarmState() method parameters. If the RequestedState parameter is not provided,
 310 the CIM_AlarmDevice.SetAlarmState() method shall return a value of 2 (Error occurred).

311 **Table 6 – CIM_AlarmDevice.SetAlarmState() Method: Parameters**

Qualifiers	Name	Type	Description/Values
IN	RequestedAlarmState	uint16	Valid state values: 1 (Off) 2 (Steady) 3 (Alternating)

312 **8.2 Method: CIM_AlarmDevice.SetAlarmIndicator()**

313 The CIM_AlarmDevice.SetAlarmIndicator() method will change the state of one or more of the indicators
 314 within the instance of CIM_AlarmDevice to the values specified in the AudioIndicator, VisualIndicator, and
 315 MotionIndicator parameters, without changing the current CIM_AlarmDevice.AlarmState. The
 316 CIM_AlarmDevice.AudioIndicatorIsDisabled, CIM_AlarmDevice.VisualIndicatorIsDisabled, and
 317 CIM_AlarmDevice.MotionIndicatorIsDisabled properties shall be affected by the
 318 CIM_AlarmDevice.SetAlarmIndicator() method invocation as specified in section 7.3.

319 Detailed requirements of the CIM_AlarmDevice.SetAlarmIndicator() method are specified in Table 7 and
 320 Table 8. The return code values specified in Table 7 shall be returned by the method when the execution
 321 behavior of the method matches the description in Table 7. Table 8 specifies method parameters. When
 322 one or more of the AudioIndicator, VisualIndicator, and MotionIndicator parameters provided to the
 323 method are NULL, the method shall return a value of 2 (Error occurred). If at least one of the parameters
 324 has not been provided to the method, the method shall return a value of 2 (Error occurred).

325 **Table 7 – CIM_AlarmDevice.SetAlarmIndicator() Method: Return Code Values**

Value	Description
0	Initiation of the state change request was successful.
1	Method is not supported in the implementation.
2	Error Occurred.

326 **Table 8 – CIM_AlarmDevice.SetAlarmIndicator() Method: Parameters**

Qualifiers	Name	Type	Description/Values
IN	AudioIndicator	uint16	0 (No Change) 1 (Disable) 2 (Enable)
IN	VisualIndicator	uint16	0 (No Change) 1 (Disable) 2 (Enable)
IN	MotionIndicator	uint16	0 (No Change) 1 (Disable) 2 (Enable)

327 8.3 Profile Conventions for Operations

328 For each profile class (including associations), the implementation requirements for operations, including
329 those in the following default list, are specified in class-specific subclauses of this clause.

330 The default list of operations is as follows:

- 331 • GetInstance
- 332 • Associators
- 333 • AssociatorNames
- 334 • References
- 335 • ReferenceNames
- 336 • EnumerateInstances
- 337 • EnumerateInstanceNames

338 8.4 CIM_AssociatedAlarm

339 Table 9 lists implementation requirements for operations. If implemented, these operations shall be
340 implemented as defined in [DSP0200](#). In addition, and unless otherwise stated in Table 9, all operations in
341 the default list in 8.3 shall be implemented as defined in [DSP0200](#).

342 NOTE: Related profiles may define additional requirements on operations for the profile class.

343 **Table 9 – Operations: CIM_AssociatedAlarm**

Operation	Requirement	Messages
Associators	Unspecified	None
AssociatorNames	Unspecified	None
References	Unspecified	None
ReferenceNames	Unspecified	None

344 8.5 CIM_AlarmDevice

345 Table 10 lists implementation requirements for operations. If implemented, these operations shall be
346 implemented as defined in [DSP0200](#). In addition, and unless otherwise stated in Table 10, all operations
347 in the default list in 8.3 shall be implemented as defined in [DSP0200](#).

348 NOTE: Related profiles may define additional requirements on operations for the profile class.

349 **Table 10 – Operations: CIM_AlarmDevice**

Operation	Requirement	Messages
Associators	Unspecified	None
AssociatorNames	Unspecified	None
References	Unspecified	None
ReferenceNames	Unspecified	None

350 8.6 CIM_AlarmDeviceCapabilities

351 Table 11 lists implementation requirements for operations. If implemented, these operations shall be
352 implemented as defined in [DSP0200](#). In addition, and unless otherwise stated in Table 11, all operations
353 in the default list in 8.3 shall be implemented as defined in [DSP0200](#).

354 NOTE: Related profiles may define additional requirements on operations for the profile class.

355 **Table 11 - Operations: CIM_AlarmDeviceCapabilities**

Operation	Requirement	Messages
Associators	Unspecified	None
AssociatorNames	Unspecified	None
References	Unspecified	None
ReferenceNames	Unspecified	None

356 **8.7 CIM_SystemDevice**

357 Table 12 lists implementation requirements for operations. If implemented, these operations shall be
 358 implemented as defined in [DSP0200](#). In addition, and unless otherwise stated in Table 12, all operations
 359 in the default list in 8.3 shall be implemented as defined in [DSP0200](#).

360 NOTE: Related profiles may define additional requirements on operations for the profile class.

361 **Table 12 – Operations: CIM_SystemDevice**

Operation	Requirement	Messages
Associators	Unspecified	None
AssociatorNames	Unspecified	None
References	Unspecified	None
ReferenceNames	Unspecified	None

362 **9 Use Cases**

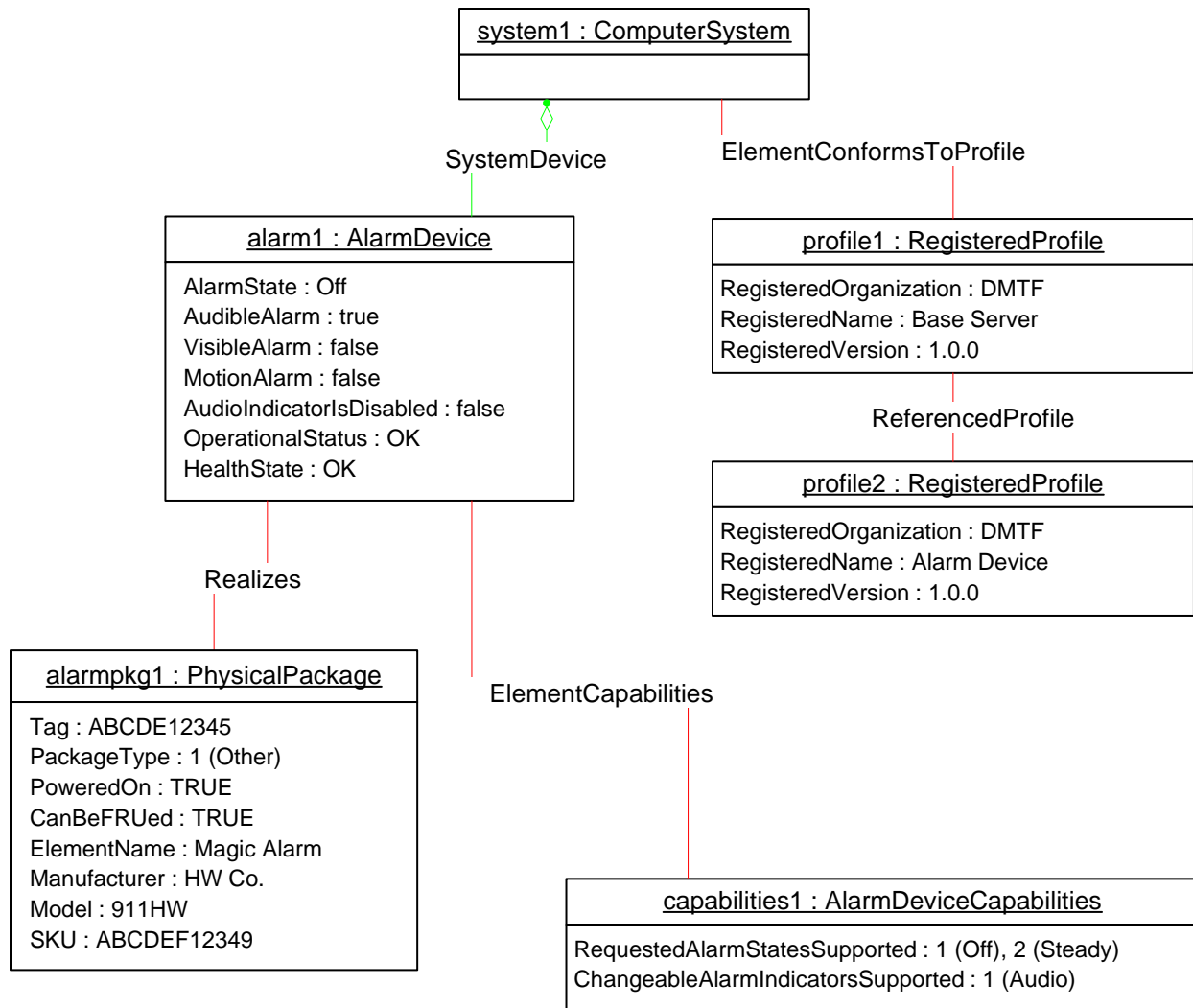
363 This section contains object diagrams and use cases for the *Alarm Device Profile*.

364 **9.1 Object Diagrams**

365 Figure 2 represents a possible instantiation of the *Alarm Device Profile*. In this instantiation, an
 366 AlarmDevice instance, alarm1, is associated with a computer system, system1. The physical package
 367 information for alarm1 is represented as well. capabilities1 represents the possible state management.

368 Because alarm1 does not have the CIM_AssociatedAlarm association reference, alarm1 works on behalf
 369 of system1, which is denoted by the CIM_SystemDevice association. system1 is also the scoping
 370 instance for alarm1. Thus, following the CIM_ElementConformsToProfile association to profile1 and then
 371 the referenced CIM_ReferencedProfile association to a CIM_RegisteredProfile instance with the
 372 RegisteredName property set to “Alarm Device”, the client can retrieve profile2. profile2 shows the version
 373 of the current Alarm Device Profile implementation.

374 For simplicity, the prefix CIM_ has been removed from the class names in the figure.



375

376

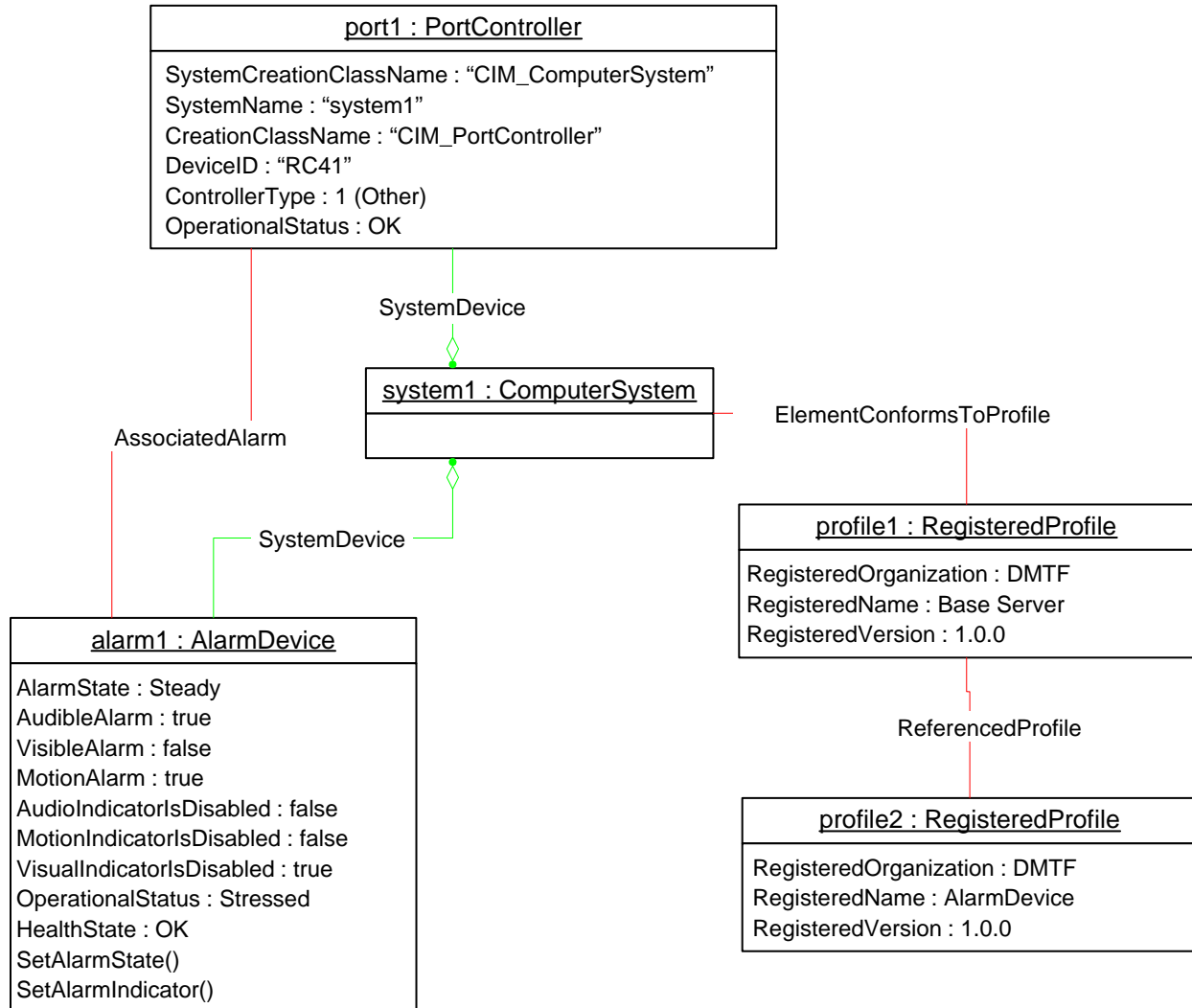
Figure 2 – Instance Diagram 1

377

378

379

Figure 3 represents a possible instantiation of the *Alarm Device Profile*. In this instantiation, an alarm device instance, alarm1, is a system device of system1. The CIM_AssociatedAlarm association can be followed to the port controller, port1. alarm1 thus works on behalf of the port controller.



380

381

Figure 3 – Instance Diagram 2

382 9.2 Change the Alarm State

383 A client can change the alarm state as follows:

- 384 1) Find the instance of CIM_AlarmDeviceCapabilities that is associated with the instance of
385 CIM_AlarmDevice through an instance of CIM_ElementCapabilities. If the instance is not found,
386 the alarm state cannot be changed.
- 387 2) Retrieve the value of the CIM_AlarmDeviceCapabilities.RequestedAlarmStatesSupported
388 property. If the property is a non-empty array, execute the SetAlarmState() method with the value
389 of the RequestedAlarmState parameter set to a value listed in the array. This operation will begin
390 a change of state for the alarm represented by this instance.

391 9.3 Change an Alarm Indicator

392 A client can change an alarm indicator as follows:

- 393 1) Find the instance of CIM_AlarmDeviceCapabilities that is associated with the instance of
394 CIM_AlarmDevice through an instance of CIM_ElementCapabilities. If the instance is not found,
395 the alarm state cannot be changed.
- 396 2) Retrieve the value of the
397 CIM_AlarmDeviceCapabilities.RequestedAlarmIndicatorStatesSupported property. If the property
398 is a non-empty array, query the array to determine which alarm indicators may be managed for
399 state.
- 400 3) Execute the SetAlarmIndicator() method with a parameter corresponding to a supported
401 indicator. The parameter value may be set to enable or disable the indicator.

402 10 CIM Elements

403 Table 13 shows the instances of CIM Elements for this profile. Instances of these CIM Elements shall be
404 implemented as described in Table 13.

405 **Table 13 – CIM Elements: Alarm Device Profile**

Element Name	Requirement	Description
Classes		
CIM_AlarmDevice	Mandatory	See 10.1.
CIM_AlarmDeviceCapabilities	Optional	See 10.2.
CIM_AssociatedAlarm	Conditional	See 10.3.
CIM_RegisteredProfile	Mandatory	See 10.4.
CIM_SystemDevice	Mandatory	See 0.

406 10.1 CIM_AlarmDevice

407 CIM_AlarmDevice is used to represent the alarm device. Table 14 contains the requirements for elements
408 of this class.

409 **Table 14 – CIM_AlarmDevice**

Properties	Requirement	Description
SystemCreationClassName	Mandatory	Key
SystemName	Mandatory	Key
CreationClassName	Mandatory	Key
DeviceID	Mandatory	Key
AudibleAlarm	Mandatory	None
VisibleAlarm	Mandatory	None
MotionAlarm	Mandatory	None
AudioIndicatorIsDisabled	Conditional	See 7.4.
VisualIndicatorIsDisabled	Conditional	See 7.4.
MotionIndicatorIsDisabled	Conditional	See 7.4.

Properties	Requirement	Description
AlarmState	Mandatory	See 7.2.
OperationalStatus	Mandatory	None
HealthState	Mandatory	None
ElementName	Mandatory	See 7.6.
RequestedState	Mandatory	See 7.3.

410 **10.2 CIM_AlarmDeviceCapabilities**

411 CIM_AlarmDeviceCapabilities represents the capabilities of an alarm device. Table 15 contains the
 412 requirements for elements of this class.

413 **Table 15 – Class: CIM_AlarmDeviceCapabilities**

Properties	Requirement	Description
InstanceID	Mandatory	Key
RequestedAlarmStatesSupported	Mandatory	See 7.7.1.1.
ChangeableAlarmIndicatorsSupported	Mandatory	See 7.7.1.2.

414 **10.3 CIM_AssociatedAlarm**

415 The CIM_AssociatedAlarm class is used to associate an instance of CIM_AlarmDevice with a device
 416 represented by an instance of the CIM_LogicalDevice subclass that uses or requires the alarm. Table 16
 417 contains the requirements for elements of this class.

418 **Table 16 – Class: CIM_AssociatedAlarm**

Properties	Requirement	Description
Antecedent	Mandatory	Key This property shall be a reference to CIM_AlarmDevice. Cardinality 1..*
Dependent	Mandatory	Key This property shall reference the instance of a subclass of CIM_LogicalDevice that represents the device that uses or requires the alarm. Cardinality *

419 **10.4 CIM_ElementCapabilities**

420 The CIM_ElementCapabilities class is used to associate an instance of CIM_AlarmDeviceCapabilities
 421 with an instance of CIM_AlarmDevice. Table 17 contains the requirements for elements of this class.

422 **Table 17 – Class: CIM_ElementCapabilities**

Properties	Requirement	Notes
ManagedElement	Mandatory	Key This property shall be a reference to CIM_AlarmDevice. Cardinality 1..*
Capabilities	Mandatory	Key This property shall be a reference to the CIM_AlarmDeviceCapabilities instance. Cardinality 1

423 **10.5 CIM_RegisteredProfile**

424 The CIM_RegisteredProfile class is defined by the [Profile Registration Profile](#). The requirements denoted
 425 in Table 18 are in addition to those mandated by the [Profile Registration Profile](#).

426 **Table 18 – Class: CIM_RegisteredProfile**

Properties	Requirement	Notes
RegisteredName	Mandatory	Matches "Alarm Device"
RegisteredVersion	Mandatory	Matches "1.0.0"
RegisteredOrganization	Mandatory	Shall contain 2 (DMTF)

427 NOTE: Previous versions of this document included the suffix "Profile" for the RegisteredName value. If
 428 implementations querying for the RegisteredName value find the suffix "Profile", they should ignore the suffix, with
 429 any surrounding white spaces, before any comparison is done with the value as specified in this document.

430 **10.6 CIM_SystemDevice**

431 The CIM_SystemDevice class is used to associate an instance of CIM_AlarmDevice with the instance of
 432 CIM_ComputerSystem of which the CIM_AlarmDevice instance is a member. Table 19 contains the
 433 requirements for elements of this class.

434 **Table 19 – Class: CIM_SystemDevice**

Properties	Requirement	Description
GroupComponent	Mandatory	Key This property shall be a reference to the CIM_ComputerSystem instance of which the CIM_AlarmDevice instance is a member. Cardinality 1
PartComponent	Mandatory	Key This property shall be a reference to CIM_AlarmDevice. Cardinality 1..*

435

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438**ANNEX A**
(informative)
Change Log

Version	Date	Description
1.0.0a	01/17/2007	Preliminary Standard
1.0.0	06-22-2009	DMTF Standard Release

439