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5 **Modular Systems Profile SM CLP Command**
6 **Mapping Specification**

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Foreword

58 The *Modular Systems Profile SM CLP Command Mapping Specification* (DSP0804) was prepared by the
59 Server Management Working Group.

60 **Conventions**

61 The pseudo-code conventions utilized in this document are the Recipe Conventions as defined in SNIA
62 [SMI-S 1.1.0](#), section 7.6.

63 **Acknowledgements**

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73

74

Introduction

75 This document defines the SM CLP mapping for CIM elements described in the [Modular Systems Profile](#).
76 The information in this specification, combined with the [SM CLP-to-CIM Common Mapping Specification](#)
77 [1.0](#), is intended to be sufficient to implement SM CLP commands relevant to the classes, properties, and
78 methods described in the [Modular Systems Profile](#) using CIM operations.

79 The target audience for this specification is implementers of the SM CLP support for [Modular Systems](#)
80 [Profile](#).

81 **Modular Systems Profile SM CLP Command Mapping** 82 **Specification**

83 **1 Scope**

84 This specification contains the requirements for an implementation of the SM CLP to provide access to,
85 and implement the behaviors of, the [Modular Systems Profile](#).

86 **2 Normative References**

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

90 **2.1 Approved References**

91 DMTF DSP1008, *Modular Systems Profile 1.0*,
92 http://www.dmtf.org/standards/published_documents/DSP1008_1.0.pdf

93 DMTF DSP0216, *SM CLP-to-CIM Common Mapping Specification 1.0*,
94 http://www.dmtf.org/standards/published_documents/DSP0216_1.0.pdf

95 SNIA, *Storage Management Initiative Specification (SMI-S) 1.1.0*,
96 http://www.snia.org/tech_activities/standards/curr_standards/smi

97 **2.2 Other References**

98 IETF, RFC 2119, *Key words for Use in RFCs to Indicate Requirement Levels*, March 1997,
99 <http://www.ietf.org/rfc/rfc2119.txt>

100 **3 Terms and Definitions**

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

102 **3.1**

103 **can**

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

105 **3.2**

106 **cannot**

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

108 **3.3**

109 **conditional**

110 indicates requirements to be followed strictly in order to conform to the document when the specified
111 conditions are met

- 112 **3.4**
113 **mandatory**
114 indicates requirements to be followed strictly in order to conform to the document and from which no
115 deviation is permitted
- 116 **3.5**
117 **may**
118 indicates a course of action permissible within the limits of the document
- 119 **3.6**
120 **need not**
121 indicates a course of action permissible within the limits of the document
- 122 **3.7**
123 **optional**
124 indicates a course of action permissible within the limits of the document
- 125 **3.8**
126 **shall**
127 indicates requirements to be followed strictly in order to conform to the document and from which no
128 deviation is permitted
- 129 **3.9**
130 **shall not**
131 indicates requirements to be followed strictly in order to conform to the document and from which no
132 deviation is permitted
- 133 **3.10**
134 **should**
135 indicates that among several possibilities, one is recommended as particularly suitable, without
136 mentioning or excluding others, or that a certain course of action is preferred but not necessarily required
- 137 **3.11**
138 **should not**
139 indicates that a certain possibility or course of action is deprecated but not prohibited

140 **4 Symbols and Abbreviated Terms**

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

- 142 **4.1**
143 **CIM**
144 Common Information Model
- 145 **4.2**
146 **CLP**
147 Command Line Protocol
- 148 **4.3**
149 **DMTF**
150 Distributed Management Task Force

151 **4.4**
 152 **IETF**
 153 Internet Engineering Task Force

154 **4.5**
 155 **SM**
 156 Server Management

157 **4.6**
 158 **SMI-S**
 159 Storage Management Initiative Specification

160 **4.7**
 161 **SNIA**
 162 Storage Networking Industry Association

163 **5 Recipes**

164 The following is a list of the common recipes used by the mappings in this specification. For a definition of
 165 each recipe, see the *SM CLP-to-CIM Common Mapping Specification 1.0* ([DSP0216](#)).

- 166 • smShowInstance
- 167 • smShowInstances
- 168 • smShowAssociationInstance
- 169 • smShowAssociationInstances

170 **6 Mappings**

171 The following sections detail the mapping of CLP verbs to CIM Operations for each CIM class defined in
 172 the [Modular Systems Profile](#). Requirements specified here related to the support for a CLP verb for a
 173 particular class are solely within the context of this profile.

174 **6.1 CIM_AdminDomain**

175 The `cd` and `help` verbs shall be supported as described in [DSP0216](#).

176 Table 1 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of
 177 the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the
 178 verb and target. Table 1 is for informational purposes only; in case of a conflict between Table 1 and
 179 requirements detailed in the following sections, the text detailed in the following sections supersedes the
 180 information in Table 1.

181 **Table 1 – Command Verb Requirements for CIM_AdminDomain**

Command Verb	Requirement	Comments
create	Not supported	
delete	Not supported	
dump	Not supported	
load	Not supported	
reset	Not supported	

Command Verb	Requirement	Comments
set	Not supported	
show	Shall	See 6.1.2.
start	Not supported	
stop	Not supported	

182 No mapping is defined for the following verbs for the specified target: create, delete, dump, load,
183 reset, start, and stop.

184 6.1.1 Ordering of Results

185 When results are returned for multiple instances of CIM_AdminDomain, implementations shall utilize the
186 following algorithm to produce the natural (that is, default) ordering:

- 187 • Results for CIM_AdminDomain are unordered; therefore, no algorithm is defined.

188 6.1.2 Show

189 This section describes how to implement the `show` verb when applied to an instance of
190 CIM_AdminDomain. Implementations shall support the use of the `show` verb with CIM_AdminDomain.

191 The `show` verb is used to display information about the management domain.

192 6.1.2.1 Show a Single Instance

193 This command form is for the `show` verb applied to a single instance of CIM_AdminDomain.

194 6.1.2.1.1 Command Form

```
195 show <CIM_AdminDomain single instance>
```

196 6.1.2.1.2 CIM Requirements

197 See CIM_AdminDomain in the "CIM_AdminDomain – Power Domain" and "CIM_AdminDomain – Cooling
198 Domain" sections of the [Modular Systems Profile](#) for the list of mandatory properties.

199 6.1.2.1.3 Behavior Requirements

200 6.1.2.1.3.1 Preconditions

201 In this section, `$instance` represents the targeted instance of CIM_AdminDomain.

```
202 $instance=<CIM_AdminDomain single instance>;
```

203 `#all` is true if the "-all" option was specified with the command; otherwise, `#all` is false.

204 6.1.2.1.3.2 Pseudo Code

```
205 #propertylist[] = NULL;
206 if ( false == #all)
207 {
208     #propertylist[] = <array of mandatory non-key property names (see CIM
209     Requirements)>;
210 }
211 &smShowInstance ( $instance.getObjectPath(), #propertylist[] );
212 &smEnd;
```

213 **6.1.2.2 Show Multiple Instances**

214 This command form is for the `show` verb applied to multiple instances of `CIM_AdminDomain`. Each
 215 instance of `CIM_AdminDomain` is scoped to a `CIM_ComputerSystem` instance through the
 216 `CIM_SystemComponent` association.

217 **6.1.2.2.1 Command Form**

```
218 show <CIM_AdminDomain multiple instances>
```

219 **6.1.2.2.2 CIM Requirements**

220 See `CIM_AdminDomain` in the “`CIM_AdminDomain – Power Domain`” and “`CIM_AdminDomain – Cooling`
 221 `Domain`” sections of the [Modular Systems Profile](#) for the list of mandatory properties.

222 **6.1.2.2.3 Behavior Requirements**

223 **6.1.2.2.3.1 Preconditions**

224 In this section, `$containerInstance` represents the instance of `CIM_ComputerSystem` which
 225 represents the container system and is associated to the targeted instances of `CIM_AdminDomain`
 226 through the `CIM_SystemComponent` association.

227 `#all` is true if the “all” option was specified with the command; otherwise, `#all` is false.

228 **6.1.2.2.3.2 Pseudo Code**

```
229 #propertylist[] = NULL;
230 if ( false == #all)
231 {
232     #propertylist[] = <array of mandatory non-key property names (see CIM
233     Requirements)>;
234 }
235 &smShowInstances ( "CIM_AdminDomain", "CIM_SystemComponent",
236     $containerInstance.getObjectPath(), "GroupComponent", "PartComponent",
237     #propertylist[] );
238 &smEnd;
```

239 **6.2 CIM_ComputerSystem**

240 The `cd`, `exit`, `help`, and `version` verbs shall be supported as described in [DSP0216](#).

241 Table 2 lists each SM CLP verb, the required level of support for the verb in conjunction with the target
 242 class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and
 243 target. Table 2 is for informational purposes only; in case of a conflict between Table 2 and requirements
 244 detailed in the following sections, the text detailed in the following sections supersedes the information in
 245 Table 2.

246 **Table 2 – Command Verb Requirements for CIM_ComputerSystem**

Command Verb	Requirement	Comments
Create	Not supported	
Delete	Not supported	
Dump	Not supported	
Load	Not supported	
Reset	Not supported	

Command Verb	Requirement	Comments
Set	Not supported	
Show	Shall	See 6.2.2.
Start	Not supported	
Stop	Not supported	

247 No mapping is defined for the following verbs for the specified target: create, delete, dump, and load.

248 6.2.1 Ordering of Results

249 When results are returned for multiple instances of CIM_ComputerSystem, implementations shall utilize
250 the following algorithm to produce the natural (that is, default) ordering:

- 251 • Results for CIM_ComputerSystem are unordered; therefore, no algorithm is defined.

252 6.2.2 Show

253 This section describes how to implement the `show` verb when applied to an instance of
254 CIM_ComputerSystem. Implementations shall support the use of the `show` verb with
255 CIM_ComputerSystem.

256 6.2.2.1 Show Command Form for Multiple Instances Target

257 This command form is used to show many instances of CIM_ComputerSystem.

258 6.2.2.1.1 Command Form

```
259 show <CIM_ComputerSystem multiple instances>
```

260 6.2.2.1.2 CIM Requirements

261 See CIM_ComputerSystem in the “CIM Elements” section of the [Modular Systems Profile](#) for the list of
262 mandatory properties.

263 6.2.2.1.3 Behavior Requirements

264 6.2.2.1.3.1 Preconditions

265 In this section, `$containerInstance` represents the instance of a subclass of CIM_System which
266 represents the container system and is associated to the targeted instances of CIM_ComputerSystem
267 through the CIM_SystemComponent association.

268 `#all` is true if the “-all” option was specified with the command; otherwise, `#all` is false.

269 6.2.2.1.3.2 Pseudo Code

```
270 #propertylist[] = NULL;
271 if ( false == #all)
272 {
273     #propertylist[] = <array of mandatory non-key property names (see CIM
274         Requirements)>;
275 }
276 &smShowInstances ( "CIM_ComputerSystem", "CIM_SystemComponent",
277     $containerInstance.getObjectPath(), #propertylist[] );
278 &smEnd;
```

279 **6.2.2.2 Show Command Form for a Single Instance Target**

280 This command form is used to show a single instance of CIM_ComputerSystem.

281 **6.2.2.2.1 Command Form**

282 `show <CIM_ComputerSystem single instance>`

283 **6.2.2.2.1.1 CIM Requirements**

284 See CIM_ComputerSystem in the “CIM Elements” section of the [Modular Systems Profile](#) for the list of
285 mandatory properties.

286 **6.2.2.2.2 Behavior Requirements**

287 **6.2.2.2.2.1 Preconditions**

288 In this section, \$instance represents the targeted instance of CIM_ComputerSystem.

289 `$instance=<CIM_ComputerSystem single instance>;`

290 #all is true if the “-all” option was specified with the command; otherwise, #all is false.

291 **6.2.2.2.2.2 Pseudo Code**

```
292 #propertylist[] = NULL;
293 if ( false == #all)
294 {
295     #propertylist[] = <array of mandatory non-key property names (see CIM
296         Requirements)>;
297 }
298 &smShowInstance ( $instance.getObjectPath(), #propertylist[] );
299 &smEnd;
```

300 **6.3 CIM_ConcreteDependency**

301 The cd and help verbs shall be supported as described in [DSP0216](#).

302 Table 3 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of
303 the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the
304 verb and target. Table 3 is for informational purposes only; in case of a conflict between Table 3 and
305 requirements detailed in the following sections, the text detailed in the following sections supersedes the
306 information in Table 3.

307 **Table 3 – Command Verb Requirements for CIM_ConcreteDependency**

Command Verb	Requirement	Comments
create	Not supported	
delete	Not supported	
dump	Not supported	
load	Not supported	
reset	Not supported	
set	Not supported	
show	Shall	See 6.3.2.

Command Verb	Requirement	Comments
start	Not supported	
stop	Not supported	

308 No mappings are defined for the following verbs for the specified target: `create`, `delete`, `dump`, `load`,
 309 `reset`, `set`, `start`, and `stop`.

310 6.3.1 Ordering of Results

311 When results are returned for multiple instances of `CIM_ConcreteDependency`, implementations shall
 312 utilize the following algorithm to produce the natural (that is, default) ordering:

- 313 • Results for `CIM_ConcreteDependency` are unordered; therefore, no algorithm is defined.

314 6.3.2 Show

315 This section describes how to implement the `show` verb when applied to an instance of
 316 `CIM_ConcreteDependency`. Implementations shall support the use of the `show` verb with
 317 `CIM_ConcreteDependency`.

318 The `show` command is used to display information about the `CIM_ConcreteDependency` instance or
 319 instances.

320 6.3.2.1 Show Multiple Instances – `CIM_PhysicalPackage` Reference

321 This command form is for the `show` verb applied to multiple instances. This command form corresponds
 322 to a `show` command issued against `CIM_ConcreteDependency` where only one reference is specified and
 323 the reference is to an instance of `CIM_PhysicalPackage` representing a blade package.

324 6.3.2.1.1 Command Form

```
325 show <CIM_ConcreteDependency multiple instances>
```

326 6.3.2.1.2 CIM Requirements

327 See `CIM_ConcreteDependency` in the “CIM Elements” section of the [Modular Systems Profile](#) for the list
 328 of mandatory properties.

329 6.3.2.1.3 Behavior Requirements

330 6.3.2.1.3.1 Preconditions

331 `instance` contains the instance of `CIM_PhysicalPackage` which is referenced by
 332 `CIM_ConcreteDependency`.

333 6.3.2.1.3.2 Pseudo Code

```
334 &smShowAssociationInstances ( "CIM_ConcreteDependency", $instance.getObjectPath() );  
335 &smEnd;
```

336 6.3.2.2 Show a Single Instance – `CIM_PhysicalPackage` Reference

337 This command form is for the `show` verb applied to a single instance. This command form corresponds to
 338 a `show` command issued against `CIM_ConcreteDependency` where the reference specified is to an
 339 instance of `CIM_PhysicalPackage` representing a blade expansion. An instance of `CIM_PhysicalPackage`

340 representing a blade expansion is referenced by exactly one instance of CIM_ConcreteDependency.
 341 Therefore, a single instance will be returned.

342 6.3.2.2.1 Command Form

```
343 show <CIM_ConcreteDependency single instance>
```

344 6.3.2.2.2 CIM Requirements

345 See CIM_ConcreteDependency in the “CIM Elements” section of the [Modular Systems Profile](#) for the list
 346 of mandatory properties.

347 6.3.2.2.3 Behavior Requirements

348 6.3.2.2.3.1 Preconditions

349 \$instance contains the instance of CIM_PhysicalPackage representing a blade expansion that is
 350 referenced by CIM_ConcreteDependency.

351 6.3.2.2.3.2 Pseudo Code

```
352 &smShowAssociationInstances ( "CIM_ConcreteDependency", $instance.getObjectPath() );  
353 &smEnd;
```

354 6.3.2.3 Show a Single Instance – Both References

355 This command form is for the show verb applied to a single instance. This command form corresponds to
 356 a show command issued against CIM_ConcreteDependency where both references are specified and
 357 therefore the desired instance is unambiguously identified.

358 6.3.2.3.1 Command Form

```
359 show <CIM_ConcreteDependency single instance>
```

360 6.3.2.3.2 CIM Requirements

361 See CIM_ConcreteDependency in the “CIM Elements” section of the [Modular Systems Profile](#) for the list
 362 of mandatory properties.

363 6.3.2.3.3 Behavior Requirements

364 6.3.2.3.3.1 Preconditions

365 \$instanceA contains the instance of CIM_PhysicalPackage representing a blade that is referenced by
 366 CIM_ConcreteDependency.

367 \$instanceB contains the instance of CIM_PhysicalPackage representing a blade expansion that is
 368 referenced by CIM_ConcreteDependency.

369 6.3.2.3.3.2 Pseudo Code

```
370 &smShowAssociationInstance ( "CIM_ConcreteDependency", $instanceA.getObjectPath(),  
371     $instanceB.getObjectPath() );  
372 &smEnd;
```

373 6.4 CIM_SystemComponent

374 The cd, exit, help, and version verbs shall be supported as described in [DSP0216](#).

375 Table 4 lists each SM CLP verb, the required level of support for the verb in conjunction with the target
 376 class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and
 377 target. Table 4 is for informational purposes only; in case of a conflict between Table 4 and requirements
 378 detailed in the following sections, the text detailed in the following sections supersedes the information in
 379 Table 4.

380 **Table 4 – Command Verb Requirements for CIM_SystemComponent**

Command Verb	Requirement	Comments
Create	Not supported	
Delete	Not supported	
Dump	Not supported	
Load	Not supported	
Reset	Not supported	
Set	Not supported	
Show	Shall	See 6.4.2.
Start	Not supported	
Stop	Not supported	

381 No mapping is defined for the following verbs for the specified target: create, delete, dump, load,
 382 reset, set, start, and stop.

383 6.4.1 Ordering of Results

384 When results are returned for multiple instances of CIM_SystemComponent, implementations shall utilize
 385 the following algorithm to produce the natural (that is, default) ordering:

- 386 • Results for CIM_SystemComponent are unordered; therefore, no algorithm is defined.

387 6.4.2 Show

388 This section describes how to implement the `show` verb when applied to an instance of
 389 CIM_SystemComponent. Implementations shall support the use of the `show` verb with
 390 CIM_SystemComponent.

391 6.4.2.1 Show Command Form for Multiple Instances – Modular System Reference

392 This command form is used to show many instances of CIM_SystemComponent. This command form
 393 corresponds to a `show` command issued against the instance of CIM_SystemComponent where only one
 394 reference is specified and the reference is to an instance of CIM_ComputerSystem that represents a
 395 modular system.

396 6.4.2.1.1 Command Form

397 `show <CIM_SystemComponent multiple instances>`

398 6.4.2.1.2 CIM Requirements

399 See CIM_SystemComponent in the “CIM Elements” section of the [Modular Systems Profile](#) for the list of
 400 mandatory properties.

401 6.4.2.1.3 Behavior Requirements

402 6.4.2.1.3.1 Preconditions

403 In this section, `$instance` represents the instance of a `CIM_ComputerSystem` which is referenced by
404 `CIM_SystemComponent`.

405 6.4.2.1.3.2 Pseudo Code

```
406 &smShowAssociationInstances ( "CIM_SystemComponent", $instance.GetObjectPath() );  
407 &smEnd;
```

408 6.4.2.2 Show Command Form for Multiple Instances – Chassis Manager Reference

409 This command form is used to show a single instance of `CIM_SystemComponent`. This command form
410 corresponds to a `show` command issued against a single instance of `CIM_SystemComponent`, where
411 only one reference is specified and the reference is to the instance of `CIM_ComputerSystem` that
412 represents a Chassis Manager. `CIM_SystemComponent` will associate the `CIM_ComputerSystem`
413 instance for the chassis manager to the modular system and could associate it to one or more
414 `CIM_AdminDomain` instances.

415 6.4.2.2.1 Command Form

```
416 show <CIM_SystemComponent multiple instances>
```

417 6.4.2.2.2 CIM Requirements

418 See `CIM_SystemComponent` in the “CIM Elements” section of the [Modular Systems Profile](#) for the list of
419 mandatory properties.

420 6.4.2.2.3 Behavior Requirements

421 6.4.2.2.3.1 Preconditions

422 In this section `$instance` represents the instance of `CIM_ComputerSystem` which is referenced by
423 `CIM_SystemComponent`.

424 6.4.2.2.3.2 Pseudo Code

```
425 &smShowAssociationInstances ( "CIM_SystemComponent", $instance.GetObjectPath() );  
426 &smEnd;
```

427 6.4.2.3 Show Command Form for Multiple Instances– Processor Blade Reference

428 This command form is used to show a single instance of `CIM_SystemComponent`. This command form
429 corresponds to a `show` command issued against a single instance of `CIM_SystemComponent`, where
430 only one reference is specified and the reference is to the instance of `CIM_ComputerSystem` that
431 represents a Processor Blade. `CIM_SystemComponent` will associate the `CIM_ComputerSystem`
432 instance for the processor blade to the modular system and could associate it to one or more
433 `CIM_AdminDomain` instances.

434 6.4.2.3.1 Command Form

```
435 show <CIM_SystemComponent multiple instances>
```

436 6.4.2.3.2 CIM Requirements

437 See `CIM_SystemComponent` in the “CIM Elements” section of the [Modular Systems Profile](#) for the list of
438 mandatory properties.

439 6.4.2.3.3 Behavior Requirements

440 6.4.2.3.3.1 Preconditions

441 In this section `$instance` represents the instance of `CIM_ComputerSystem` which is referenced by
442 `CIM_SystemComponent`.

443 6.4.2.3.3.2 Pseudo Code

```
444 &smShowAssociationInstances ( "CIM_SystemComponent", $instance.GetObjectPath() );  
445 &smEnd;
```

446 6.4.2.4 Show Command Form for Multiple Instances – Cooling Domain Reference

447 This command form is used to show a single instance of `CIM_SystemComponent`. This command form
448 corresponds to a `show` command issued against a single instance of `CIM_SystemComponent`, where
449 only one reference is specified and the reference is to the instance of `CIM_AdminDomain` that represents
450 a cooling domain. `CIM_SystemComponent` will associate the `CIM_AdminDomain` instance for the cooling
451 domain to the modular system and could associate it to one or more contained
452 `CIM_ManagedSystemElement` instances.

453 6.4.2.4.1 Command Form

```
454 show <CIM_SystemComponent single instance>
```

455 6.4.2.4.2 CIM Requirements

456 See `CIM_SystemComponent` in the “CIM Elements” section of the [Modular Systems Profile](#) for the list of
457 mandatory properties.

458 6.4.2.4.3 Behavior Requirements

459 6.4.2.4.3.1 Preconditions

460 In this section, `$instance` represents the instance of `CIM_AdminDomain` which is referenced by
461 `CIM_SystemComponent`.

462 6.4.2.4.3.2 Pseudo Code

```
463 &smShowAssociationInstances ( "CIM_SystemComponent", $instance.GetObjectPath() );  
464 &smEnd;
```

465 6.4.2.5 Show Command Form for Multiple Instances – Power Domain Reference

466 This command form is used to show a single instance of `CIM_SystemComponent`. This command form
467 corresponds to a `show` command issued against a single instance of `CIM_SystemComponent`, where
468 only one reference is specified and the reference is to the instance of `CIM_AdminDomain` that represents
469 a power domain. `CIM_SystemComponent` will associate the `CIM_AdminDomain` instance for the power
470 domain to the modular system and could associate it to one or more contained
471 `CIM_ManagedSystemElement` instances.

472 6.4.2.5.1 Command Form

```
473 show <CIM_SystemComponent single instance>
```

474 6.4.2.5.2 CIM Requirements

475 See `CIM_SystemComponent` in the “CIM Elements” section of the [Modular Systems Profile](#) for the list of
476 mandatory properties.

477 6.4.2.5.3 Behavior Requirements

478 6.4.2.5.3.1 Preconditions

479 In this section, `$instance` represents the instance of `CIM_AdminDomain` which is referenced by
480 `CIM_SystemComponent`.

481 6.4.2.5.3.2 Pseudo Code

```
482 &smShowAssociationInstances ( "CIM_SystemComponent", $instance.GetObjectPath() );  
483 &smEnd;
```

484 6.4.2.6 Show Command Form for a Single Instance Target – Both References

485 This command form is for the `show` verb applied to a single instance. This command form corresponds to
486 a `show` command issued against `CIM_SystemComponent` where both references are specified and
487 therefore the desired instance is unambiguously identified.

488 6.4.2.6.1 Command Form

```
489 show <CIM_SystemComponent single instance>
```

490 6.4.2.6.2 CIM Requirements

491 See `CIM_SystemComponent` in the “CIM Elements” section of the [Modular Systems Profile](#) for the list of
492 mandatory properties.

493 6.4.2.6.3 Behavior Requirements

494 6.4.2.6.3.1 Preconditions

495 In this section, `$instanceA` represents the instance of `CIM_ManagedSystemElement` referenced by the
496 `CIM_SystemComponent` association. `$instanceB` represents the instance of a subclass of `CIM_System`
497 that is referenced by `CIM_SystemComponent`.

498 6.4.2.6.3.2 Pseudo Code

```
499 &smShowAssociationInstance ( "CIM_SystemComponent", $instanceA.GetObjectPath(),  
500     $instanceB.GetObjectPath() );  
501 &smEnd;
```

502

503
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ANNEX A
(informative)

Change Log

Version	Date	Author	Description
1.0.0	2009-06-04		DMTF Standard Release

508