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5 **Base Server Profile SM CLP Command Mapping**
6 **Specification**

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Foreword

55 The *Base Server Profile SM CLP Command Mapping Specification* (DSP0800) was prepared by the
56 Server Management Working Group.

57 **Conventions**

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

60 **Acknowledgements**

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Introduction

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

76 The target audience for this specification is implementers of the SM CLP support for the [Base Server](#)
77 [Profile](#).

78 Base Server Profile SM CLP Command Mapping Specification

79 1 Scope

80 This specification contains the requirements for an implementation of the SM CLP to provide access to,
81 and implement the behaviors of, the [Base Server Profile](#).

82 2 Normative References

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

86 2.1 Approved References

87 DMTF DSP1004, *Base Server Profile 1.0*,
88 http://www.dmtf.org/standards/published_documents/DSP1004_1.0.pdf

89 DMTF DSP0834, *Computer System Profile SM CLP Command Mapping Specification 1.0*,
90 http://www.dmtf.org/standards/published_documents/DSP0834_1.0.pdf

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

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

95 2.2 Other References

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

98 3 Terms and Definitions

99 For the purposes of this document, the following terms and definitions 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 **shall**
125 indicates requirements to be followed strictly in order to conform to the document and from which no
126 deviation is permitted
- 127 **3.9**
128 **shall not**
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 **should**
133 indicates that among several possibilities, one is recommended as particularly suitable, without
134 mentioning or excluding others, or that a certain course of action is preferred but not necessarily required
- 135 **3.11**
136 **should not**
137 indicates that a certain possibility or course of action is deprecated but not prohibited

138 **4 Symbols and Abbreviated Terms**

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

- 140 **4.1**
141 **CIM**
142 Common Information Model
- 143 **4.2**
144 **CLP**
145 Command Line Protocol
- 146 **4.3**
147 **DMTF**
148 Distributed Management Task Force

149 **4.4**
150 **IETF**
151 Internet Engineering Task Force

152 **4.5**
153 **SM**
154 Server Management

155 **4.6**
156 **SMI-S**
157 Storage Management Initiative Specification

158 **4.7**
159 **SNIA**
160 Storage Networking Industry Association

161 **5 Recipes**

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

164 **6 Mappings**

165 The following sections detail the mapping of CLP verbs to CIM Operations for each CIM class defined in
166 Base System Profile. Requirements specified here related to the support for a CLP verb for a particular
167 class are solely within the context of this profile.

168 **6.1 CIM_ComputerSystem**

169 There are no additional constraints beyond those specified in [DSP0834](#).

170 **6.2 CIM_ElementCapabilities**

171 There are no additional constraints beyond those specified in [DSP0834](#).

172 **6.3 CIM_EnabledLogicalElementCapabilities**

173 There are no additional constraints beyond those specified in [DSP0834](#).

174 **6.4 CIM_HostedService**

175 There are no additional constraints beyond those specified in [DSP0834](#).

176 **6.5 CIM_ServiceAffectsElement**

177 There are no additional constraints beyond those specified in [DSP0834](#).

178 **6.6 CIM_TimeService**

179 There are no additional constraints beyond those specified in [DSP0834](#).

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ANNEX A (informative)

Change Log

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