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Foreword

78 The *Media Redirection Profile SM CLP Command Mapping Specification* (DSP0843) was prepared by the
79 Server Management Working Group.

80 Conventions

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

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90

91

Introduction

92 This document defines the SM CLP mapping for CIM elements described in the [Media Redirection](#)
93 [Profile](#). The information in this specification, combined with the *SM CLP-to-CIM Common Mapping*
94 *Specification 1.0* ([DSP0216](#)), is intended to be sufficient to implement SM CLP commands relevant to the
95 classes, properties, and methods described in the [Media Redirection Profile](#) using CIM operations.

96 The target audience for this specification is implementers of the SM CLP support for the [Media](#)
97 [Redirection Profile](#).

Media Redirection Profile SM CLP Command Mapping Specification

1 Scope

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

2 Normative References

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

2.1 Approved References

DMTF DSP1077, *Media Redirection Profile 1.0*,
http://www.dmtf.org/standards/published_documents/DSP1077_1.0.pdf

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

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

2.2 Other References

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

3 Terms and Definitions

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

3.1

can

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

3.2

cannot

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

3.3

conditional

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

3.4**mandatory**

indicates requirements to be followed strictly in order to conform to the document and from which no deviation is permitted

3.5**may**

indicates a course of action permissible within the limits of the document

3.6**need not**

indicates a course of action permissible within the limits of the document

3.7**optional**

indicates a course of action permissible within the limits of the document

3.8**shall**

indicates requirements to be followed strictly in order to conform to the document and from which no deviation is permitted

3.9**shall not**

indicates requirements to be followed strictly in order to conform to the document and from which no deviation is permitted

3.10**should**

indicates that among several possibilities, one is recommended as particularly suitable, without mentioning or excluding others, or that a certain course of action is preferred but not necessarily required

3.11**should not**

indicates that a certain possibility or course of action is deprecated but not prohibited

4 Symbols and Abbreviated Terms

The following symbols and abbreviations are used in this document.

4.1**CIM**

Common Information Model

4.2**CLP**

Command Line Protocol

4.3**DMTF**

Distributed Management Task Force

4.4**SM**

Server Management

4.5**SMI-S**

Storage Management Initiative Specification

4.6**SNIA**

Storage Networking Industry Association

4.7**UFsT**

User Friendly selection Tag

5 Recipes

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

- smShowInstance()
- smShowInstances()
- smSetInstance()
- smShowAssociationInstance()
- smShowAssociationInstances()
- smRequestStateChange()
- smStartRSC()
- smStopRSC()

This mapping does not define any recipes for local reuse.

6 Mappings

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

6.1 CIM_ElementCapabilities

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

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

Table 1 – Command Verb Requirements for CIM_ElementCapabilities

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 6.1.2.
start	Not supported	
stop	Not supported	

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

6.1.1 Ordering of Results

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

- Results for CIM_ElementCapabilities are unordered; therefore, no algorithm is defined.

6.1.2 Show

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

6.1.2.1 Show Command Form for a Single Instance – CIM_MediaRedirectionService or CIM_MediaRedirectionSAP Reference

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against instances of CIM_ElementCapabilities where only one reference is specified and the reference is to the scoping instance of CIM_MediaRedirectionService or CIM_MediaRedirectionSAP.

6.1.2.1.1 Command Form

```
show <CIM_ElementCapabilities single instance>
```

6.1.2.1.2 CIM Requirements

See CIM_ElementCapabilities in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.1.2.1.3 Behavior Requirements

6.1.2.1.3.1 Preconditions

\$instance represents the instance of a CIM_MediaRedirectionService or CIM_MediaRedirectionSAP, which is referenced by CIM_ElementCapabilities.

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

230 6.1.2.1.3.2 Pseudo Code

```
231 &smShowAssociationInstances ( "CIM_ElementCapabilities", $instance.getObjectPath() ) ;
232 &smEnd;
```

233 6.1.2.2 Show Command Form for Multiple Instances – CIM_MediaRedirectionCapabilities 234 Reference

235 This command form is used when the show verb applies to multiple instances. This command form
236 corresponds to the show command issued against instances of CIM_ElementCapabilities where only one
237 reference is specified and the reference is to the instance of CIM_MediaRedirectionCapabilities.

238 6.1.2.2.1 Command Form

```
239 show <CIM_ElementCapabilities multiple instances>
```

240 6.1.2.2.2 CIM Requirements

241 See CIM_ElementCapabilities in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of
242 mandatory properties.

243 6.1.2.2.3 Behavior Requirements

244 6.1.2.2.3.1 Preconditions

245 \$instance represents the instance of a CIM_MediaRedirectionCapabilities, which is referenced by
246 CIM_ElementCapabilities.

247 6.1.2.2.3.2 Pseudo Code

```
248 &smShowAssociationInstances ( "CIM_ElementCapabilities", $instance.getObjectPath(),
249     NULL );
250 &smEnd;
```

251 6.1.2.3 Show Command Form for Multiple Instances – CIM_EnabledLogicalElementCapabilities 252 Reference

253 This command form is used when the show verb applies to multiple instances. This command form
254 corresponds to the show command issued against instances of CIM_ElementCapabilities where only one
255 reference is specified and the reference is to an instance of CIM_EnabledLogicalElementCapabilities.

256 6.1.2.3.1 Command Form

```
257 show <CIM_ElementCapabilities multiple instances>
```

258 6.1.2.3.2 CIM Requirements

259 See CIM_ElementCapabilities in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of
260 mandatory properties.

261 6.1.2.3.3 Behavior Requirements

262 6.1.2.3.3.1 Preconditions

263 \$instance represents the instance of a CIM_EnabledLogicalElementCapabilities, which is referenced
264 by CIM_ElementCapabilities.

6.1.2.3.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_ElementCapabilities", $instance.getObjectPath(),
    NULL );
&smEnd;
```

6.1.2.4 Show a Single Instance Target – Both References

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against instances of CIM_ElementCapabilities where both references are specified and therefore the desired instance is unambiguously identified.

6.1.2.4.1 Command Form

```
show <CIM_ElementCapabilities single instance>
```

6.1.2.4.2 CIM Requirements

See CIM_ElementCapabilities in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.1.2.4.3 Behavior Requirements**6.1.2.4.3.1 Preconditions**

\$instanceA represents the instance of a CIM_MediaRedirectionService or CIM_MediaRedirectionSAP which is referenced by the CIM_ElementCapabilities.

\$instanceB represents the instance of a CIM_MediaRedirectionCapabilities or CIM_EnabledLogicalElementCapabilities which is referenced by the CIM_ElementCapabilities.

6.1.2.4.3.2 Pseudo Code

```
&smShowAssociationInstance("CIM_ElementCapabilities", $instanceA.getObjectPath(),
    $instanceB.getObjectPath() );
&smEnd;
```

6.2 CIM_HostedService

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

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

Table 2 – Command Verb Requirements for CIM_HostedService

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	

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

6.2.1 Ordering of Results

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

- Results for CIM_ControlledBy are unordered; therefore, no algorithm is defined.

6.2.2 Show

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

6.2.2.1 Show Command Form for Multiple Instances – CIM_ComputerSystem Reference

This command form is used when the show verb applies to multiple instances. This command form corresponds to the show command issued against instances of CIM_HostedService where only one reference is specified and the reference is to an instance of CIM_ComputerSystem.

6.2.2.1.1 Command Form

```
show <CIM_HostedService multiple objects>
```

6.2.2.1.2 CIM Requirements

See CIM_HostedService in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.2.2.1.3 Behavior Requirements

6.2.2.1.3.1 Preconditions

\$instance represents the instance of CIM_ComputerSystem, which is referenced by CIM_HostedService.

6.2.2.1.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_HostedService", $instance.getObjectPath() );
&smEnd;
```

6.2.2.2 Show Command Form for a Single Instance – CIM_MediaRedirectionService Reference

This command form is used when the show verb applies to a single instance. The command form corresponds to the show verb issued against instances of CIM_HostedService where only one reference is specified and the reference is to an instance of CIM_MediaRedirectionService.

6.2.2.2.1 Command Form

```
show <CIM_HostedService single object>
```

6.2.2.2.2 CIM Requirements

See CIM_HostedService in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.2.2.2.3 Behavior Requirements**6.2.2.2.3.1 Preconditions**

\$instance represents the instance of CIM_MediaRedirectionService, which is referenced by CIM_HostedService.

6.2.2.2.3.2 Pseudo Code

```
&smShowAssociationInstances ("CIM_HostedService", $instance.getObjectPath() );
&smEnd;
```

6.2.2.3 Show Command Form for a Single Instance – Both References

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against CIM_HostedService where both references are specified and therefore the desired instance is unambiguously identified.

6.2.2.3.1 Command Form

```
show <CIM_HostedService single object>
```

6.2.2.3.2 CIM Requirements

See CIM_HostedService in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.2.2.3.3 Behavior Requirements**6.2.2.3.3.1 Preconditions**

\$instanceA represents the referenced instance of CIM_ComputerSystem through CIM_HostedService association.

\$instanceB represents the other instance of CIM_MediaRedirectionService which is referenced by CIM_HostedService.

6.2.2.3.3.2 Pseudo Code

```
&smShowAssociationInstance ("CIM_HostedService", $instanceA.getObjectPath(),
    $instanceB.getObjectPath() );
&smEnd;
```

6.3 CIM_HostedAccessPoint

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

Table 3 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 3 is for informational purposes only; in case of a conflict between Table 3 and

requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 3.

Table 3 – Command Verb Requirements for CIM_HostedAccessPoint

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.
start	Not supported	
stop	Not supported	

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

6.3.1 Ordering of Results

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

- Results for CIM_HostedAccessPoint are unordered; therefore, no algorithm is defined.

6.3.2 Show

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

6.3.2.1 Show Command Form for Multiple Instances – CIM_ComputerSystem Reference

This command form is used when the show verb applies to multiple instances. This command form corresponds to the show command issued against instances of CIM_HostedAccessPoint where only one reference is specified and the reference is to an instance of CIM_ComputerSystem.

6.3.2.1.1 Command Form

show <CIM_HostedAccessPoint *multiple objects*>

6.3.2.1.2 CIM Requirements

See CIM_HostedAccessPoint in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.3.2.1.3 Behavior Requirements

6.3.2.1.3.1 Preconditions

\$instance represents the instance of CIM_ComputerSystem, which is referenced by CIM_HostedAccessPoint.

6.3.2.1.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_HostedAccessPoint", $instance.getObjectPath() );  
&smEnd;
```

6.3.2.2 Show Command Form for a Single Instance – CIM_MediaRedirectionSAP Reference

This command form is used when the show verb applies to a single instance. The command form corresponds to the show verb issued against instances of CIM_HostedAccessPoint where only one reference is specified and the reference is to an instance of CIM_MediaRedirectionSAP.

6.3.2.2.1 Command Form

```
show <CIM_HostedAccessPoint single object>
```

6.3.2.2.2 CIM Requirements

See CIM_HostedAccessPoint in the "CIM Elements" section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.3.2.2.3 Behavior Requirements**6.3.2.2.3.1 Preconditions**

\$instance represents the instance of CIM_MediaRedirectionSAP, which is referenced by CIM_HostedAccessPoint.

6.3.2.2.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_HostedAccessPoint", $instance.getObjectPath() );  
&smEnd;
```

6.3.2.3 Show Command Form for a Single Instance – Both References

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against CIM_HostedAccessPoint where both references are specified and therefore the desired instance is unambiguously identified.

6.3.2.3.1 Command Form

```
show <CIM_HostedAccessPoint single object>
```

6.3.2.3.2 CIM Requirements

See CIM_HostedAccessPoint in the "CIM Elements" section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.3.2.3.3 Behavior Requirements**6.3.2.3.3.1 Preconditions**

\$instanceA represents the referenced instance of CIM_ComputerSystem through CIM_HostedAccessPoint association.

\$instanceB represents the other instance of CIM_MediaRedirectionSAP which is referenced by CIM_HostedAccessPoint.

6.3.2.3.3.2 Pseudo Code

```
&smShowAssociationInstance ("CIM_HostedAccessPoint", $instanceA.getObjectPath(),
    $instanceB.getObjectPath() );
&smEnd;
```

6.4 CIM_ServiceAffectsElement

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

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

Table 4 – Command Verb Requirements for CIM_ServiceAffectsElement

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	

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

6.4.1 Ordering of Results

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

- Results for CIM_ServiceAffectsElement are unordered; therefore, no algorithm is defined.

6.4.2 Show

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

6.4.2.1 Show Command Form for Multiple Instances – CIM_ComputerSystem Reference

This command form is used when the show verb applies to multiple instances. This command form corresponds to the show command issued against instances of CIM_ServiceAffectsElement where only one reference is specified and the reference is to an instance of CIM_ComputerSystem.

6.4.2.1.1 Command Form

```
show <CIM_ServiceAffectsElement multiple instances>
```

6.4.2.1.2 CIM Requirements

See CIM_ServiceAffectsElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.4.2.1.3 Behavior Requirements**6.4.2.1.3.1 Preconditions**

\$instance represents the instance of CIM_ComputerSystem, which is referenced by CIM_ServiceAffectsElement.

6.4.2.1.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_ServiceAffectsElement",  
    $instance.getObjectPath() );  
&smEnd;
```

6.4.2.2 Show Command Form for Multiple Instances – CIM_MediaAccessDevice Reference

This command form is used when the show verb applies to multiple instances. This command form corresponds to the show command issued against instances of CIM_ServiceAffectsElement where only one reference is specified and the reference is to an instance of CIM_MediaAccessDevice.

6.4.2.2.1 Command Form

```
show <CIM_ServiceAffectsElement multiple instances>
```

6.4.2.2.2 CIM Requirements

See CIM_ServiceAffectsElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.4.2.2.3 Behavior Requirements**6.4.2.2.3.1 Preconditions**

\$instance represents the instance of CIM_MediaAccessDevice, which is referenced by CIM_ServiceAffectsElement.

6.4.2.2.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_ServiceAffectsElement",  
    $instance.getObjectPath() );  
&smEnd;
```

6.4.2.3 Show Command Form for Multiple Instances – CIM_MediaRedirectionService Reference

This command form is used when the show verb applies to multiple instances. This command form corresponds to the show command issued against instances of CIM_ServiceAffectsElement where only one reference is specified and the reference is to an instance of CIM_MediaRedirectionService.

6.4.2.3.1 Command Form

```
show <CIM_ServiceAffectsElement multiple instances>
```

6.4.2.3.2 CIM Requirements

See CIM_ServiceAffectsElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.4.2.3.3 Behavior Requirements**6.4.2.3.3.1 Preconditions**

\$instance represents the instance of CIM_MediaRedirectionService, which is referenced by CIM_ServiceAffectsElement.

6.4.2.3.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_ServiceAffectsElement",
    $instance.getObjectPath() );
&smEnd;
```

6.4.2.4 Show Command Form for a Single Instance – Both References

This command form is used when the show verb applies to a single instance. This command form corresponds to the show verb issued against instances of CIM_ServiceAffectsElement where both references are specified and therefore the desired instance is unambiguously identified.

6.4.2.4.1 Command Form

```
show <CIM_ServiceAffectsElement single instance>
```

6.4.2.4.2 CIM Requirements

See CIM_ServiceAffectsElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.4.2.4.3 Behavior Requirements**6.4.2.4.3.1 Preconditions**

\$instanceA represents the instance of CIM_MediaRedirectionService, which is referenced by CIM_ServiceAffectsElement.

\$instanceB represents the instance of CIM_ComputerSystem or CIM_MediaDevice which is referenced by CIM_ServiceAffectsElement.

6.4.2.4.3.2 Pseudo Code

```
&smShowAssociationInstance ( "CIM_ServiceAffectsElement", $instanceA.getObjectPath(),
    $instanceB.getObjectPath() );
&smEnd;
```

6.5 CIM_SAPAvailableForElement

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

Table 5 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 5 is for informational purposes only; in case of a conflict between Table 5 and requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 5.

Table 5 – Command Verb Requirements for CIM_SAPAvailableForElement

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 6.5.2.
start	Not supported	
stop	Not supported	

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

6.5.1 Ordering of Results

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

- Results for CIM_SAPAvailableForElement are unordered; therefore, no algorithm is defined.

6.5.2 Show

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

6.5.2.1 Show Command Form for Multiple Instances – CIM_ComputerSystem Reference

This command form is used when the show verb applies to multiple instances. This command form corresponds to the show command issued against instances of CIM_SAPAvailableForElement where only one reference is specified and the reference is to an instance of CIM_ComputerSystem.

6.5.2.1.1 Command Form

```
show <CIM_SAPAvailableForElement multiple instances>
```

6.5.2.1.2 CIM Requirements

See CIM_SAPAvailableForElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.5.2.1.3 Behavior Requirements

6.5.2.1.3.1 Preconditions

\$instance represents the instance of CIM_ComputerSystem, which is referenced by CIM_SAPAvailableForElement.

544 6.5.2.1.3.2 Pseudo Code

```
545 &smShowAssociationInstances ( "CIM_SAPAvailableForElement",
546     $instance.getObjectPath() );
547 &smEnd;
```

548 6.5.2.2 Show Command Form for a Single Instance – CIM_MediaAccessDevice Reference

549 This command form is used when the show verb applies to a single instance. This command form
 550 corresponds to the show command issued against instances of CIM_SAPAvailableForElement where
 551 only one reference is specified and the reference is to an instance of CIM_MediaAccessDevice.

552 6.5.2.2.1 Command Form

```
553 show <CIM_SAPAvailableForElement single instance>
```

554 6.5.2.2.2 CIM Requirements

555 See CIM_SAPAvailableForElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the
 556 list of mandatory properties.

557 6.5.2.2.3 Behavior Requirements

558 6.5.2.2.3.1 Preconditions

559 \$instance represents the instance of CIM_MediaAccessDevice, which is referenced by
 560 CIM_SAPAvailableForElement.

561 6.5.2.2.3.2 Pseudo Code

```
562 &smShowAssociationInstances ( "CIM_SAPAvailableForElement",
563     $instance.getObjectPath() );
564 &smEnd;
```

565 6.5.2.3 Show Command Form for Multiple Instances – CIM_MediaRedirectionSAP Reference

566 This command form is used when the show verb applies to multiple instances. This command form
 567 corresponds to the show command issued against instances of CIM_SAPAvailableForElement where
 568 only one reference is specified and the reference is to an instance of CIM_MediaRedirectionSAP.

569 6.5.2.3.1 Command Form

```
570 show <CIM_SAPAvailableForElement multiple instances>
```

571 6.5.2.3.2 CIM Requirements

572 See CIM_SAPAvailableForElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the
 573 list of mandatory properties.

574 6.5.2.3.3 Behavior Requirements

575 6.5.2.3.3.1 Preconditions

576 \$instance represents the instance of CIM_MediaRedirectionSAP, which is referenced by
 577 CIM_SAPAvailableForElement.

6.5.2.3.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_SAPAvailableForElement",
    $instance.GetObjectPath() );
&smEnd;
```

6.5.2.4 Show Command Form for a Single Instance – Both References

This command form is used when the show verb applies to a single instance. This command form corresponds to the show verb issued against instances of CIM_SAPAvailableForElement where both references are specified and therefore the desired instance is unambiguously identified.

6.5.2.4.1 Command Form

```
show <CIM_SAPAvailableForElement single instance>
```

6.5.2.4.2 CIM Requirements

See CIM_SAPAvailableForElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.5.2.4.3 Behavior Requirements**6.5.2.4.3.1 Preconditions**

\$instanceA represents the instance of CIM_MediaRedirectionSAP, which is referenced by CIM_SAPAvailableForElement.

\$instanceB represents the instance CIM_ComputerSystem or CIM_MediaAccessDevice which is referenced by CIM_SAPAvailableForElement.

6.5.2.4.3.2 Pseudo Code

```
&smShowAssociationInstance ( "CIM_SAPAvailableForElement", $instanceA.GetObjectPath(),
    $instanceB.GetObjectPath() );
&smEnd;
```

6.6 CIM_ServiceAccessBySAP

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

Table 6 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 6 is for informational purposes only; in case of a conflict between Table 6 and requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 6.

Table 6 – Command Verb Requirements for CIM_ServiceAccessBySAP

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 6.6.2.
start	Not supported	
stop	Not supported	

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

6.6.1 Ordering of Results

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

- Results for CIM_ServiceAccessBySAP are unordered; therefore, no algorithm is defined.

6.6.2 Show

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

6.6.2.1 Show Command Form for a Single Instance – CIM_MediaRedirectionSAP Reference

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against instances of CIM_ServiceAccessBySAP where only one reference is specified and the reference is to an instance of CIM_MediaRedirectionSAP.

6.6.2.1.1 Command Form

```
show <CIM_ServiceAccessBySAP single instance>
```

6.6.2.1.2 CIM Requirements

See CIM_ServiceAccessBySAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.6.2.1.3 Behavior Requirements

6.6.2.1.3.1 Preconditions

\$instance represents the instance of CIM_MediaRedirectionSAP, which is referenced by CIM_ServiceAccessBySAP.

6.6.2.1.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_ServiceAccessBySAP", $instance.getObjectPath() );
&smEnd;
```

6.6.2.2 Show Command Form for Multiple Instances – CIM_MediaRedirectionService Reference

This command form is used when the show verb applies to multiple instances. The command form corresponds to the show verb issued against instances of CIM_ServiceAccessBySAP where only one reference is specified and the reference is to an instance of CIM_MediaRedirectionService.

6.6.2.2.1 Command Form

```
show <CIM_ServiceAccessBySAP multiple instances>
```

6.6.2.2.2 CIM Requirements

See CIM_ServiceAccessBySAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.6.2.2.3 Behavior Requirements**6.6.2.2.3.1 Preconditions**

\$instance represents the instance of CIM_MediaRedirectionService, which is referenced by CIM_ServiceAccessBySAP.

6.6.2.2.3.2 Pseudo Code

```
&smShowAssociationInstances ("CIM_ServiceAccessBySAP", $instance.getObjectPath() );
&smEnd;
```

6.6.2.3 Show Command Form for a Single Instance – Both References

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against CIM_ServiceAccessBySAP where both references are specified and therefore the desired instance is unambiguously identified.

6.6.2.3.1 Command Form

```
show <CIM_ServiceAccessBySAP single instance>
```

6.6.2.3.2 CIM Requirements

See CIM_ServiceAccessBySAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.6.2.3.3 Behavior Requirements**6.6.2.3.3.1 Preconditions**

\$instanceA represents the referenced instance of CIM_MediaRedirectionService through CIM_ServiceAccessBySAP association.

\$instanceB represents the other instance of CIM_MediaRedirectionSAP which is referenced by CIM_ServiceAccessBySAP.

6.6.2.3.3.2 Pseudo Code

```
&smShowAssociationInstance ("CIM_ServiceAccessBySAP", $instanceA.getObjectPath(),
    $instanceB.getObjectPath() );
&smEnd;
```

6.7 CIM_RemoteAccessAvailableToElement

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

Table 7 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 7 is for informational purposes only; in case of a conflict between Table 7 and

requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 7.

Table 7 – Command Verb Requirements for CIM_RemoteAccessAvailableToElement

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 6.7.2.
start	Not supported	
stop	Not supported	

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

6.7.1 Ordering of Results

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

- Results for CIM_RemoteAccessAvailableToElement are unordered; therefore, no algorithm is defined.

6.7.2 Show

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

6.7.2.1 Show Command Form for a Single Instance – CIM_RemoteServiceAccessPoint Reference

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against instances of CIM_RemoteAccessAvailableToElement where only one reference is specified and the reference is to an instance of CIM_RemoteServiceAccessPoint.

6.7.2.1.1 Command Form

```
show <CIM_RemoteAccessAvailableToElement single instance>
```

6.7.2.1.2 CIM Requirements

See CIM_RemoteAccessAvailableToElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.7.2.1.3 Behavior Requirements

6.7.2.1.3.1 Preconditions

\$instance represents the instance of CIM_RemoteServiceAccessPoint, which is referenced by CIM_RemoteAccessAvailableToElement.

6.7.2.1.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_RemoteAccessAvailableToElement",  
    $instance.GetObjectPath() );  
&smEnd;
```

6.7.2.2 Show Command Form for a Single Instance – CIM_MediaRedirectionSAP Reference

This command form is used when the show verb applies to a single instance. The command form corresponds to the show verb issued against instances of CIM_RemoteAccessAvailableToElement where only one reference is specified and the reference is to an instance of CIM_MediaRedirectionSAP.

6.7.2.2.1 Command Form

```
show <CIM_RemoteAccessAvailableToElement single instance>
```

6.7.2.2.2 CIM Requirements

See CIM_RemoteAccessAvailableToElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.7.2.2.3 Behavior Requirements

6.7.2.2.3.1 Preconditions

\$instance represents the instance of CIM_MediaRedirectionSAP, which is referenced by CIM_RemoteAccessAvailableToElement.

6.7.2.2.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_RemoteAccessAvailableToElement",  
    $instance.GetObjectPath() );  
&smEnd;
```

6.7.2.3 Show Command Form for a Single Instance – Both References

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against CIM_RemoteAccessAvailableToElement where both references are specified and therefore the desired instance is unambiguously identified.

6.7.2.3.1 Command Form

```
show <CIM_RemoteAccessAvailableToElement single instance>
```

6.7.2.3.2 CIM Requirements

See CIM_RemoteAccessAvailableToElement in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.7.2.3.3 Behavior Requirements

6.7.2.3.3.1 Preconditions

\$instanceA represents the referenced instance of CIM_RemoteServiceAccessPoint through CIM_RemoteAccessAvailableToElement association.

\$instanceB represents the other instance of CIM_MediaRedirectionSAP which is referenced by CIM_RemoteAccessAvailableToElement.

6.7.2.3.3.2 Pseudo Code

```
&smShowAssociationInstance ("CIM_RemoteAccessAvailableToElement",
    $instanceA.getObjectPath(), $instanceB.getObjectPath() );
&smEnd;
```

6.8 CIM_BindsTo

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

Table 8 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 8 is for informational purposes only; in case of a conflict between Table 8 and requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 8.

Table 8 – Command Verb Requirements for CIM_BindsTo

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 6.8.2.
start	Not supported	
stop	Not supported	

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

6.8.1 Ordering of Results

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

- Results for CIM_BindsTo are unordered; therefore, no algorithm is defined.

6.8.2 Show

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

6.8.2.1 Show Command Form for Multiple Instances – CIM_ProtocolEndpoint Reference

This command form is used when the show verb applies to multiple instances. This command form corresponds to the show command issued against instances of CIM_BindsTo where only one reference is specified and the reference is to an instance of CIM_ProtocolEndpoint.

6.8.2.1.1 Command Form

```
show <CIM_BindsTo multiple instances>
```

6.8.2.1.2 CIM Requirements

See CIM_BindsTo in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.8.2.1.3 Behavior Requirements

6.8.2.1.3.1 Preconditions

\$instance represents the instance of CIM_ProtocolEndpoint, which is referenced by CIM_BindsTo.

6.8.2.1.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_BindsTo", $instance.getObjectPath() );  
&smEnd;
```

6.8.2.2 Show Command Form for a Single Instance – CIM_MediaRedirectionSAP Reference

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against instances of CIM_BindsTo where only one reference is specified and the reference is to an instance of CIM_MediaRedirectionSAP.

6.8.2.2.1 Command Form

```
show <CIM_BindsTo single instance>
```

6.8.2.2.2 CIM Requirements

See CIM_BindsTo in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.8.2.2.3 Behavior Requirements

6.8.2.2.3.1 Preconditions

\$instance represents the instance of CIM_MediaRedirectionSAP, which is referenced by CIM_BindsTo.

6.8.2.2.3.2 Pseudo Code

```
&smShowAssociationInstances ( "CIM_BindsTo", $instance.getObjectPath() );  
&smEnd;
```

6.8.2.3 Show Command Form for a Single Instance – Both References

This command form is used when the show verb applies to a single instance. This command form corresponds to the show command issued against CIM_BindsTo where both references are specified and therefore the desired instance is unambiguously identified.

6.8.2.3.1 Command Form

```
show <CIM_BindsTo single instance>
```

6.8.2.3.2 CIM Requirements

See CIM_BindsTo in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.8.2.3.3 Behavior Requirements

6.8.2.3.3.1 Preconditions

\$instanceA represents the referenced instance of CIM_ProtocolEndpoint through CIM_BindsTo association.

\$instanceB represents the other instance of CIM_MediaRedirectionSAP which is referenced by CIM_BindsTo.

6.8.2.3.3.2 Pseudo Code

```
&smShowAssociationInstance ("CIM_BindsTo", $instanceA.getObjectPath(),
    $instanceB.getObjectPath() );
&smEnd;
```

6.9 CIM_MediaAccessDevice

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

Table 9 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 9 is for informational purposes only; in case of a conflict between Table 9 and requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 9.

Table 9 – Command Verb Requirements for CIM_MediaAccessDevice

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 6.9.2.
start	Not supported	
stop	Not supported	

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

6.9.1 Ordering of Results

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

- Results for CIM_MediaAccessDevice are unordered; therefore, no algorithm is defined.

6.9.2 Show

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

6.9.2.1 Show a Single Instance

This command form is used to display the information about a single instance of CIM_MediaAccessDevice.

6.9.2.1.1 Command Form

```
show <CIM_MediaAccessDevice single instance>
```

6.9.2.1.2 CIM Requirements

See CIM_MediaAccessDevice in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.9.2.1.3 Behavior Requirements

6.9.2.1.3.1 Preconditions

\$instance represents the instance of CIM_MediaAccessDevice.

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

#propertylist[] is an array of mandatory non-key property names.

6.9.2.1.3.2 Pseudo Code

```
if (false != #all) { #propertylist[] = NULL; }  
&smShowInstance ( $instance.getObjectPath(), #propertylist[] );  
&smEnd;
```

6.9.2.2 Show Multiple Instances – CIM_ServiceAffectsElement

This command form is used to display the information about multiple instances of CIM_MediaAccessDevice. This command form corresponds to UFsT-based selection within a scoping system.

6.9.2.2.1 Command Form

```
show <CIM_MediaAccessDevice multiple instances>
```

6.9.2.2.2 CIM Requirements

See CIM_MediaAccessDevice in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.9.2.2.3 Behavior Requirements**6.9.2.2.3.1 Preconditions**

\$containerInstance represents the instance of CIM_MediaRedirectionService for which the scoped instance of CIM_MediaAccessDevice is being displayed. The CIM_MediaRedirectionService is associated to targeted instances of CIM_MediaAccessDevice via a CIM_ServiceAffectsElement association.

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

#propertylist[] is an array of mandatory non-key property names.

6.9.2.2.3.2 Pseudo Code

```
if (false != #all) { #propertylist[] = NULL; }
&smShowInstances ( "CIM_MediaAccessDevice", "CIM_ServiceAffectsElement",
    $containerInstance.GetObjectPath(), #propertylist[] );
&smEnd;
```

6.9.2.3 Show Multiple Instances – CIM_ServiceAvailableForElement

This command form is used to display the information about multiple instances of CIM_MediaAccessDevice. This command form corresponds to UFsT-based selection within a scoping system.

6.9.2.3.1 Command Form

```
show <CIM_MediaAccessDevice multiple instances>
```

6.9.2.3.2 CIM Requirements

See CIM_MediaAccessDevice in the "CIM Elements" section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.9.2.3.3 Behavior Requirements**6.9.2.3.3.1 Preconditions**

\$containerInstance represents the instance of CIM_MediaRedirectionSAP for which the scoped instance of CIM_MediaAccessDevice is being displayed. The CIM_MediaRedirectionSAP is associated to targeted instances of CIM_MediaAccessDevice via a CIM_ServiceAvailableForElement association.

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

#propertylist[] is an array of mandatory non-key property names.

6.9.2.3.3.2 Pseudo Code

```
if (false != #all) { #propertylist[] = NULL; }
&smShowInstances ( "CIM_MediaAccessDevice", "CIM_ServiceAvailableForElement",
    $containerInstance.GetObjectPath(), #propertylist[] );
&smEnd;
```

6.10 CIM_RemoteServiceAccessPoint

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

Table 10 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 10 is for informational purposes only; in case of a conflict between Table 10 and requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 10.

Table 10 – Command Verb Requirements for CIM_RemoteServiceAccessPoint

Command Verb	Requirement	Comments
create	Not supported	
delete	Not supported	
dump	Not supported	
load	Not supported	
reset	Not supported	
set	May	See 6.10.2.
show	Shall	See 6.10.3.
start	Not supported	
stop	Not supported	

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

6.10.1 Ordering of Results

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

- Results for CIM_RemoteServiceAccessPoint are unordered; therefore, no algorithm is defined.

6.10.2 Set

6.10.2.1 General Usage of Set for a Single Property

This command form corresponds to the general usage of the set verb to modify a single property of a target instance. The setting of a single property shall be deterministic.

The requirements for supporting modification of a property using this command form shall be equivalent to the requirement for supporting modification of the property using the ModifyInstance operation as defined in the [Media Redirection Profile](#).

6.10.2.1.1 Command Form

```
set <CIM_RemoteServiceAccessPoint single object> <propertyname>=<propertyvalue>
```

6.10.2.1.2 CIM Requirements

See CIM_RemoteServiceAccessPoint in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

914 6.10.2.1.3 Behavior Requirements

915 6.10.2.1.3.1 Preconditions

916 \$instance represents the instance of CIM_RemoteServiceAccessPoint.

```
917 $instance=<CIM_RemoteServiceAccessPoint single object>;
```

918 6.10.2.1.3.2 Pseudo Code

```
919 #propertyNames[] = <proptername>;
920 #propertyValues[] = <propertyvalue>;
921 &smSetInstance ( $instance, #propertyNames, #propertyValues );
922 &smEnd;
```

923 6.10.2.2 General Usage of Set for Multiple Properties

924 This command form corresponds to the general usage of the set verb to modify multiple properties of a
925 target instance. The setting of multiple properties may be deterministic.

926 The requirements for supporting modification of a property using this command form shall be equivalent
927 to the requirement for supporting modification of the property using the ModifyInstance operation as
928 defined in the [Media Redirection Profile](#).

929 6.10.2.2.1 Command Form

```
930 set <CIM_RemoteServiceAccessPoint multiple objects> <propertyname1>=<propertyvalue1>  
931 <propertynameN>=<propertyvalueN>
```

932 6.10.2.2.2 CIM Requirements

933 See CIM_RemoteServiceAccessPoint in the “CIM Elements” section of the [Media Redirection Profile](#) for
934 the list of mandatory properties.

935 6.10.2.2.3 Behavior Requirements

936 6.10.2.2.3.1 Preconditions

937 \$instance represents the instance of CIM_RemoteServiceAccessPoint.

938 6.10.2.2.3.2 Pseudo Code

```
939 for #i < n
940 {
941   #propertyNames[#i] = <proptername#i>
942   #propertyValues[#i] = <propertyvalue#i>
943 }
944 &smSetInstance ( $instance, #propertyNames[], #propertyValues[] );
945 &smEnd;
```

946 6.10.3 Show

947 The show verb is used to display information about instances of CIM_RemoteServiceAccessPoint.
948 Implementations shall support the use of the show verb with CIM_RemoteServiceAccessPoint.

6.10.3.1 Show a Single Instance

This command form is used to display the information about a single instance of CIM_RemoteServiceAccessPoint.

6.10.3.1.1 Command Form

```
show <CIM_RemoteServiceAccessPoint single instance>
```

6.10.3.1.2 CIM Requirements

See CIM_RemoteServiceAccessPoint in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.10.3.1.3 Behavior Requirements**6.10.3.1.3.1 Preconditions**

\$instance represents the instance of CIM_RemoteServiceAccessPoint.

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

#propertylist[] is an array of mandatory non-key property names.

6.10.3.1.3.2 Pseudo Code

```
if (false != #all) { #propertylist[] = NULL; }  
&smShowInstance ( $instance.getObjectPath(), #propertylist[] );  
&smEnd;
```

6.10.3.2 Show Multiple Instances – CIM_RemoteAccessAvailableToElement

This command form is used to display the information about multiple instances of CIM_RemoteServiceAccessPoint. This command form corresponds to UFsT-based selection within a scoping system.

6.10.3.2.1 Command Form

```
show <CIM_RemoteServiceAccessPoint multiple instances>
```

6.10.3.2.2 CIM Requirements

See CIM_RemoteServiceAccessPoint in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.10.3.2.3 Behavior Requirements**6.10.3.2.3.1 Preconditions**

\$containerInstance represents the instance of CIM_MediaRedirectionSAP for which the scoped instance of CIM_RemoteServiceAccessPoint is being displayed. The CIM_MediaRedirectionSAP is associated to targeted instances of CIM_RemoteServiceAccessPoint via a CIM_RemoteAccessAvailableToElement association.

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

#propertylist[] is an array of mandatory non-key property names.

6.10.3.2.3.2 Pseudo Code

```

if (false != #all) { #propertylist[] = NULL; }
&smShowInstances ( "CIM_RemoteServiceAccessPoint",
    "CIM_RemoteAccessAvailableToElement", $containerInstance.getObjectPath(),
    #propertylist[] );
&smEnd;

```

6.11 CIM_EnabledLogicalElementCapabilities

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

Table 11 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 11 is for informational purposes only; in case of a conflict between Table 11 and requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 11.

Table 11 – Command Verb Requirements for CIM_EnabledLogicalElementCapabilities

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 6.11.2.
start	Not supported	
stop	Not supported	

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

6.11.1 Ordering of Results

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

- Results for CIM_EnabledLogicalElementCapabilities are unordered; therefore, no algorithm is defined.

6.11.2 Show

The show verb is used to display information about instances of CIM_EnabledLogicalElementCapabilities. Implementations shall support the use of the show verb with CIM_EnabledLogicalElementCapabilities.

6.11.2.1 Show a Single Instance

This command form is used to display the information about a single instance of CIM_EnabledLogicalElementCapabilities.

1011 6.11.2.1.1 Command Form

1012 `show <CIM_EnabledLogicalElementCapabilities single instance>`

1013 6.11.2.1.2 CIM Requirements

1014 See CIM_EnabledLogicalElementCapabilities in the “CIM Elements” section of the [Media Redirection](#)
1015 [Profile](#) for the list of mandatory properties.

1016 6.11.2.1.3 Behavior Requirements**1017 6.11.2.1.3.1 Preconditions**

1018 \$instance represents the instance of CIM_EnabledLogicalElementCapabilities.

1019 #all is true, if the “-all” option was specified with the command; otherwise, #all is false.

1020 #propertylist[] is an array of mandatory non-key property names.

1021 6.11.2.1.3.2 Pseudo Code

```
1022 if (false != #all) { #propertylist[] = NULL; }  
1023 &smShowInstance ( $instance.getObjectPath(), #propertylist[] );  
1024 &smEnd;
```

1025 6.11.2.2 Show Multiple Instances

1026 This command form is used to display the information about multiple instances of
1027 CIM_EnabledLogicalElementCapabilities. This command form corresponds to UFS-T-based selection
1028 within a scoping system.

1029 6.11.2.2.1 Command Form

1030 `show <CIM_EnabledLogicalElementCapabilities multiple instances>`

1031 6.11.2.2.2 CIM Requirements

1032 See CIM_EnabledLogicalElementCapabilities in the “CIM Elements” section of the [Media Redirection](#)
1033 [Profile](#) for the list of mandatory properties.

1034 6.11.2.2.3 Behavior Requirements**1035 6.11.2.2.3.1 Preconditions**

1036 \$containerInstance represents the instance of CIM_ConcreteCollection with ElementName property
1037 that contains “Capabilities” and is associated to the targeted instances of
1038 CIM_EnabledLogicalElementCapabilities through the CIM_MemberOfCollection association.

1039 #all is true, if the “-all” option was specified with the command; otherwise, #all is false.

1040 #propertylist[] is an array of mandatory non-key property names.

1041 6.11.2.2.3.2 Pseudo Code

```
1042 if (false != #all) { #propertylist[] = NULL; }  
1043 &smShowInstances ( “CIM_EnabledLogicalElementCapabilities”, “CIM_ConcreteCollection”,  
1044     $containerInstance.getObjectPath(), #propertylist[] );  
1045 &smEnd;
```

6.12 CIM_MediaRedirectionCapabilities

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

Table 12 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 12 is for informational purposes only; in case of a conflict between Table 12 and requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 12.

Table 12 – Command Verb Requirements for CIM_MediaRedirectionCapabilities

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 6.12.2.
start	Not supported	
stop	Not supported	

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

6.12.1 Ordering of Results

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

- Results for CIM_MediaRedirectionCapabilities are unordered; therefore, no algorithm is defined.

6.12.2 Show

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

The show verb is used to display information about an instance or instances of the CIM_MediaRedirectionCapabilities class.

6.12.2.1 Show a Single Instance

This command form is for the show verb applied to a single instance of CIM_MediaRedirectionCapabilities.

6.12.2.1.1 Command Form

show <CIM_MediaRedirectionCapabilities single instance>

6.12.2.1.2 CIM Requirements

See CIM_MediaRedirectionCapabilities in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

1074 **6.12.2.1.3 Behavior Requirements**1075 **6.12.2.1.3.1 Preconditions**

1076 \$instance represents the instance of CIM_MediaRedirectionCapabilities.

1077 `$instance=<CIM_MediaRedirectionCapabilities single instance>;`

1078 #all is true if the all option was specified with the command; otherwise, #all is false.

1079 **6.12.2.1.3.2 Pseudo Code**

```
1080 #propertylist[] = null;
1081 if ( false == #all)
1082     {
1083         #propertylist[] = {//all mandatory non-key properties}
1084     }
1085 &smShowInstance ( $instance.getObjectPath(), #propertylist[] );
1086 &smEnd;
```

1087 **6.12.2.2 Show Multiple Instances**

1088 This command form is for the show verb applied to multiple instances of
1089 CIM_MediaRedirectionCapabilities. This command form corresponds to UFsT-based selection within a
1090 capabilities collection.

1091 **6.12.2.2.1 Command Form**

1092 `show <CIM_MediaRedirectionCapabilities multiple instances>`

1093 **6.12.2.2.2 CIM Requirements**

1094 See CIM_MediaRedirectionCapabilities in the “CIM Elements” section of the [Media Redirection Profile](#) for
1095 the list of mandatory properties.

1096 **6.12.2.2.3 Behavior Requirements**1097 **6.12.2.2.3.1 Preconditions**

1098 \$containerInstance represents the instance of CIM_ConcreteCollection with ElementName property
1099 that contains “Capabilities” and is associated to the targeted instances of
1100 CIM_MediaRedirectionCapabilities through the CIM_MemberOfCollection association.

1101 #all is true if the all option was specified with the command; otherwise, #all is false.

1102 **6.12.2.2.3.2 Pseudo Code**

```
1103 #propertylist[] = NULL;
1104 if ( false == #all)
1105     {
1106         #propertylist[] = {//all mandatory non-key properties }
1107     }
1108 &smShowInstances ( “CIM_MediaRedirectionCapabilities”, “CIM_MemberOfCollection”,
1109     $containerInstance.getObjectPath(), #propertylist[] );
1110 &smEnd;
```

1111 6.13 CIM_MediaRedirectionSAP

1112 The cd and help verbs shall be supported as described in [DSP0216](#).

1113 Table 13 lists each SM CLP verb, the required level of support for the verb in conjunction with instances
 1114 of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the
 1115 verb and target. Table 13 is for informational purposes only; in case of a conflict between Table 13 and
 1116 requirements detailed in the following sections, the text detailed in the following sections supersedes the
 1117 information in Table 13.

1118 **Table 13 – Command Verb Requirements for CIM_MediaRedirectionSAP**

Command Verb	Requirement	Comments
create	Not supported	
delete	Not supported	
dump	Not supported	
load	Not supported	
reset	Not supported	
set	May	See 6.13.2.
show	Shall	See 6.13.3.
start	May	See 6.13.4.
stop	May	See 6.13.5.

1119 No mapping is defined for the following verbs for the specified target: create, delete, dump, load, and
 1120 reset.

1121 6.13.1 Ordering of Results

1122 When results are returned for multiple instances of CIM_MediaRedirectionSAP, implementations shall
 1123 utilize the following algorithm to produce the natural (that is, default) ordering:

- 1124 • Results for CIM_MediaRedirectionSAP are unordered; therefore, no algorithm is defined.

1125 6.13.2 Set

1126 The set verb is used to set properties on an instance of CIM_MediaRedirectionSAP. Implementations
 1127 may support the use of the set verb with CIM_MediaRedirectionSAP.

1128 6.13.2.1 General Usage of Set for a Single Property

1129 This command form corresponds to the general usage of the set verb to modify a single property of a
 1130 target instance. The setting of a single property shall be deterministic.

1131 The requirements for supporting modification of a property using this command form shall be equivalent
 1132 to the requirement for supporting modification of the property using the ModifyInstance operation as
 1133 defined in the [Media Redirection Profile](#).

1134 6.13.2.1.1 Command Form

1135 **set <CIM_MediaRedirectionSAP single object> <propertyname>=<propertyvalue>**

1136 6.13.2.1.2 CIM Requirements

1137 See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list
1138 of mandatory properties.

1139 6.13.2.1.3 Behavior Requirements

1140 6.13.2.1.3.1 Preconditions

1141 \$instance represents the targeted instance of CIM_MediaRedirectionSAP.

```
1142 $instance=<CIM_MediaRedirectionSAP single object>;
```

1143 6.13.2.1.3.2 Pseudo Code

```
1144 #propertyName[] = <proptname>;
1145 #propertyValues[] = <propertyvalue>;
1146 &smSetInstance ( $instance, #propertyName, #propertyValues );
1147 &smEnd;
```

1148 6.13.2.2 General Usage of Set for Multiple Properties

1149 This command form corresponds to the general usage of the set verb to modify multiple properties of a
1150 target instance. The setting of multiple properties may be deterministic.

1151 The requirements for supporting modification of a property using this command form shall be equivalent
1152 to the requirement for supporting modification of the property using the ModifyInstance operation as
1153 defined in the [Media Redirection Profile](#).

1154 6.13.2.2.1 Command Form

```
1155 set <CIM_MediaRedirectionSAP multiple objects> <propertyname1>=<propertyvalue1>  
1156 <propertynameN>=<propertyvalueN>
```

1157 6.13.2.2.2 CIM Requirements

1158 See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list
1159 of mandatory properties.

1160 6.13.2.2.3 Behavior Requirements

1161 6.13.2.2.3.1 Preconditions

1162 \$instance represents the instance of CIM_MediaRedirectionSAP.

1163 6.13.2.2.3.2 Pseudo Code

```
1164 for #i < n
1165 {
1166     #propertyName[#i] = <proptname#i>
1167     #propertyValues[#i] = <propertyvalue#i>
1168 }
1169 &smSetInstance ( $instance, #propertyName[], #propertyValues[] );
1170 &smEnd;
```

1171 6.13.3 Show

1172 The show verb is used to display information about instances of CIM_MediaRedirectionSAP.
 1173 Implementations shall support the use of the show verb with CIM_MediaRedirectionSAP.

1174 6.13.3.1 Show a Single Instance

1175 This command form is used to display information about a single instance of CIM_MediaRedirectionSAP.

1176 6.13.3.1.1 Command Form

```
1177 show <CIM_MediaRedirectionSAP single instance>
```

1178 6.13.3.1.2 CIM Requirements

1179 See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list
 1180 of mandatory properties.

1181 6.13.3.1.3 Behavior Requirements

1182 6.13.3.1.3.1 Preconditions

1183 \$instance represents the instance of CIM_MediaRedirectionSAP.

1184 #all is true, if the “-all” option was specified with the command; otherwise, #all is false.

1185 #propertylist[] is an array of mandatory non-key property names.

1186 6.13.3.1.3.2 Pseudo Code

```
1187 if (false != #all) { #propertylist[] = NULL; }  
1188 &smShowInstance ( $instance.getObjectPath(), #propertylist[] );  
1189 &smEnd;
```

1190 6.13.3.2 Show Multiple Instances – CIM_HostedAccessPoint

1191 This command form is used to display information about multiple instances of
 1192 CIM_MediaRedirectionSAP.

1193 6.13.3.2.1 Command Form

```
1194 show <CIM_MediaRedirectionSAP multiple instances>
```

1195 6.13.3.2.2 CIM Requirements

1196 See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list
 1197 of mandatory properties.

1198 6.13.3.2.3 Behavior Requirements

1199 6.13.3.2.3.1 Preconditions

1200 \$containerInstance represents the instance of CIM_ComputerSystem for which the scoped instance
 1201 of CIM_MediaRedirectionSAP is being displayed. The CIM_MediaRedirectionSAP is associated to
 1202 CIM_ComputerSystem via a CIM_HostedAccessPoint association.

1203 #all is true, if the “-all” option was specified with the command; otherwise, #all is false.

1204 #propertylist[] is an array of mandatory non-key property names.

6.13.3.2.3.2 Pseudo Code

```
if (false != #all) { #propertylist[] = NULL; }
&smShowInstances ( "CIM_MediaRedirectionSAP", "CIM_HostedAccessPoint",
    $containerInstance.getObjectPath(), #propertylist[] );
&smEnd;
```

6.13.3.3 Show Multiple Instances – CIM_SAPAvailableForElement

This command form is used to display information about multiple instances of CIM_MediaRedirectionSAP.

6.13.3.3.1 Command Form

```
show <CIM_MediaRedirectionSAP multiple instances>
```

6.13.3.3.2 CIM Requirements

See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

6.13.3.3.3 Behavior Requirements**6.13.3.3.3.1 Preconditions**

\$containerInstance represents the instance of CIM_ComputerSystem for which the scoped instance of CIM_MediaRedirectionSAP is being displayed. The CIM_MediaRedirectionSAP is associated to CIM_ComputerSystem via a CIM_SAPAvailableForElement association.

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

#propertylist[] is an array of mandatory non-key property names.

6.13.3.3.3.2 Pseudo Code

```
if (false != #all) { #propertylist[] = NULL; }
&smShowInstances ( "CIM_MediaRedirectionSAP", "CIM_SAPAvailableForElement",
    $containerInstance.getObjectPath(), #propertylist[] );
&smEnd;
```

6.13.3.4 Show Multiple Instances – CIM_ServiceAccessBySAP

This command form is used to display information about multiple instances of CIM_MediaRedirectionSAP.

6.13.3.4.1 Command Form

```
show <CIM_MediaRedirectionSAP multiple instances>
```

6.13.3.4.2 CIM Requirements

See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list of mandatory properties.

1238 6.13.3.4.3 Behavior Requirements

1239 6.13.3.4.3.1 Preconditions

1240 \$containerInstance represents the instance of CIM_MediaRedirectionService for which the scoped
1241 instance of CIM_MediaRedirectionSAP is being displayed. The CIM_MediaRedirectionSAP is associated
1242 to CIM_MediaRedirectionService via a CIM_ServiceAccessBySAP association.

1243 #all is true, if the “-all” option was specified with the command; otherwise, #all is false.

1244 #propertylist[] is an array of mandatory non-key property names.

1245 6.13.3.4.3.2 Pseudo Code

```
1246 if (false != #all) { #propertylist[] = NULL; }
1247 &smShowInstances ( "CIM_MediaRedirectionSAP", "CIM_ServiceAccessBySAP",
1248     $containerInstance.getObjectPath(), #propertylist[] );
1249 &smEnd;
```

1250 6.13.4 Start

1251 This section describes how to implement the start verb when applied to an instance of
1252 CIM_MediaRedirectionSAP. Implementations may support the use of the start verb with
1253 CIM_MediaRedirectionSAP.

1254 The start verb is used to enable a Media Redirection Session.

1255 6.13.4.1 Start a Single Instance

1256 This command form is for the start verb applied to a single instance of CIM_MediaRedirectionSAP, in
1257 which the CIM_MediaRedirectionSAP does not use CLP session for the Media Redirection session.

1258 6.13.4.1.1 Command Form

```
1259 start <CIM_MediaRedirectionSAP single instance>
```

1260 6.13.4.1.2 CIM Requirements

1261 See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list
1262 of mandatory properties.

1263 6.13.4.1.3 Behavior Requirements

1264 6.13.4.1.3.1 Preconditions

1265 \$instance represents the targeted instance of CIM_MediaRedirectionSAP.

```
1266 $instance=<CIM_MediaRedirectionSAP single instance>;
```

1267 6.13.4.1.3.2 Pseudo Code

```
1268 &smStartRSC ( $instance.getObjectPath() );
1269 &smEnd;
```

1270 6.13.5 Stop

1271 This section describes how to implement the stop verb when applied to an instance of
1272 CIM_MediaRedirectionSAP. Implementations may support the use of the stop verb with
1273 CIM_MediaRedirectionSAP.

1274 The stop verb is used to place a Media Redirection session into a 6 (Enabled but Offline) state.

1275 6.13.5.1 Stop a Single Instance

1276 This command form is for the stop verb applied to a single instance of CIM_MediaRedirectionSAP.

1277 6.13.5.1.1 Command Form

```
1278 stop <CIM_MediaRedirectionSAP single instance>
```

1279 6.13.5.1.2 CIM Requirements

1280 See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list
1281 of mandatory properties.

1282 6.13.5.1.3 Behavior Requirements

1283 6.13.5.1.3.1 Preconditions

1284 \$instance represents the targeted instance of CIM_MediaRedirectionSAP.

```
1285 $instance=<CIM_MediaRedirectionSAP single instance>;
```

1286 6.13.5.1.3.2 Pseudo Code

```
1287 "Offline" is valuemap 6  
1288 &smRequestStateChange ( $instance.getObjectPath(), "Offline" );  
1289 &smEnd;
```

1290 6.13.5.2 Set RequestedState to “Disabled”

1291 This section describes how to change the state of the Redirection Session represented by
1292 CIM_MediaRedirectionSAP to “Disabled”.

1293 6.13.5.2.1 Command Form

```
1294 set <CIM_MediaRedirectionSAP single instance> RequestedState="Disabled"
```

1295 6.13.5.2.2 CIM Requirements

1296 See CIM_MediaRedirectionSAP in the “CIM Elements” section of the [Media Redirection Profile](#) for the list
1297 of mandatory properties.

1298 6.13.5.2.3 Behavior Requirements

1299 6.13.5.2.3.1 Preconditions

1300 \$instance represents the targeted instance of CIM_MediaRedirectionSAP.

```
1301 $instance=<CIM_MediaRedirectionSAP single instance>;
```

1302 6.13.5.2.3.2 Pseudo Code

```
1303 &smStopRSC ( $instance.getObjectPath() );  
1304 &smEnd;
```

6.14 CIM_MediaRedirectionService

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

Table 14 lists each SM CLP verb, the required level of support for the verb in conjunction with instances of the target class, and, when appropriate, a cross-reference to the section detailing the mapping for the verb and target. Table 14 is for informational purposes only; in case of a conflict between Table 14 and requirements detailed in the following sections, the text detailed in the following sections supersedes the information in Table 14.

Table 14 – Command Verb Requirements for CIM_MediaRedirectionService

Command Verb	Requirement	Comments
create	Not supported	
delete	Not supported	
dump	Not supported	
load	Not supported	
reset	Not supported	
set	May	See 6.14.2.
show	Shall	See 6.14.3.
start	May	See 6.14.5.
stop	May	See 6.14.5.

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

6.14.1 Ordering of Results

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

- Results for CIM_MediaRedirectionService are unordered; therefore, no algorithm is defined.

6.14.2 Set

This section describes how to implement the set verb when it is applied to an instance of CIM_MediaRedirectionService. The set verb is used to set properties on an instance of CIM_MediaRedirectionService.

Implementations may support the use of the set verb with CIM_MediaRedirectionService.

6.14.2.1 General Usage of Set for a Single Property

This command form corresponds to the general usage of the set verb to modify a single property of a target instance. The setting of a single property shall be deterministic.

The requirements for supporting modification of a property using this command form shall be equivalent to the requirement for supporting modification of the property using the ModifyInstance operation as defined in the [Media Redirection Profile](#).

6.14.2.1.1 Command Form

```
set <CIM_MediaRedirectionService single object> <propertyname>=<propertyvalue>
```

1332 6.14.2.1.2 CIM Requirements

1333 See CIM_MediaRedirectionService in the “CIM Elements” section of the [Media Redirection Profile](#) for the
1334 list of mandatory properties.

1335 6.14.2.1.3 Behavior Requirements

1336 6.14.2.1.3.1 Preconditions

1337 \$instance represents the instance of CIM_MediaRedirectionService.

```
1338 $instance=<CIM_MediaRedirectionService single object>;
```

1339 6.14.2.1.3.2 Pseudo Code

```
1340 #propertyNames[] = <proptname>;
1341 #propertyValues[] = <propertyvalue>;
1342 &smSetInstance ( $instance, #propertyNames[], #propertyValues[] );
1343 &smEnd;
```

1344 6.14.2.2 General Usage of Set for Multiple Properties

1345 This command form corresponds to the general usage of the set verb to modify multiple properties of a
1346 target instance. The setting of multiple properties may be deterministic.

1347 The requirements for supporting modification of a property using this command form shall be equivalent
1348 to the requirement for supporting modification of the property using the ModifyInstance operation as
1349 defined in the [Media Redirection Profile](#).

1350 6.14.2.2.1 Command Form

```
1351 set <CIM_MediaRedirectionService multiple objects> <propertyname1>=<propertyvalue1>  
1352 <propertynameN>=<propertyvalueN>
```

1353 6.14.2.2.2 CIM Requirements

1354 See CIM_MediaRedirectionService in the “CIM Elements” section of the [Media Redirection Profile](#) for the
1355 list of mandatory properties.

1356 6.14.2.2.3 Behavior Requirements

1357 6.14.2.2.3.1 Preconditions

1358 \$instance represents the instance of CIM_MediaRedirectionService.

1359 6.14.2.2.3.2 Pseudo Code

```
1360 for #i < n
1361 {
1362   #propertyNames[#i] = <proptname#i>
1363   #propertyValues[#i] = <propertyvalue#i>
1364 }
1365 &smSetInstance ( $instance, #propertyNames[], #propertyValues[] );
1366 &smEnd;
```

1367 **6.14.3 Show**

1368 The show verb is used to display information about instances of CIM_MediaRedirectionService.
 1369 Implementations shall support the use of the show verb with CIM_MediaRedirectionService.

1370 **6.14.3.1 Show Command Form for a Single Instance**

1371 This command form is to show a single instance of CIM_MediaRedirectionService.

1372 **6.14.3.1.1 Command Form**

```
1373 show <CIM_MediaRedirectionService single instance>
```

1374 **6.14.3.1.2 CIM Requirements**

1375 See CIM_MediaRedirectionService in the “CIM Elements” section of the [Media Redirection Profile](#) for the
 1376 list of mandatory properties.

1377 **6.14.3.1.3 Behavior Requirements**

1378 **6.14.3.1.3.1 Preconditions**

1379 \$instance represents the instance of CIM_MediaRedirectionService.

1380 #all is true, if the “-all” option was specified with the command; otherwise, #all is false.

1381 #propertylist[] is an array of mandatory non-key property names.

1382 **6.14.3.1.3.2 Pseudo Code**

```
1383 if (false != #all) { #propertylist[] = NULL; }  
1384 &smShowInstance ( $instance.getObjectPath(), #propertylist[] );  
1385 &smEnd;
```

1386 **6.14.4 Start**

1387 This section describes how to implement the start verb when applied to an instance of
 1388 CIM_MediaRedirectionService. Implementations may support the use of the start verb with
 1389 CIM_MediaRedirectionService.

1390 Implementations may support the use of the start verb with CIM_MediaRedirectionService.

1391 **6.14.4.1 Start Command Form for a Single Instance**

1392 This command form is for the start verb applied to a single instance of CIM_MediaRedirectionService.
 1393 Implementations may support the use of the start verb with CIM_MediaRedirectionService.

1394 The start verb is used to enable a Media Redirection Service.

1395 **6.14.4.1.1 Command Form**

```
1396 start <CIM_MediaRedirectionService single instance>
```

1397 **6.14.4.1.2 CIM Requirements**

1398 See CIM_MediaRedirectionService in the “CIM Elements” section of the [Media Redirection Profile](#) for the
 1399 list of mandatory properties.

1400 6.14.4.1.3 Behavior Requirements

1401 6.14.4.1.3.1 Preconditions

1402 \$instance represents the instance of CIM_MediaRedirectionService.

```
1403 $instance=<CIM_MediaRedirectionService single instance>;
```

1404 6.14.4.1.3.2 Pseudo Code

```
1405 &smStartRSC ( $instance.GetObjectPath() );
```

```
1406 &smEnd;
```

1407 6.14.5 Stop

1408 This section describes how to implement the stop verb when applied to an instance of
1409 CIM_MediaRedirectionService. Implementations may support the use of the stop verb with
1410 CIM_MediaRedirectionService.

1411 The stop verb is used to place a Media Redirection Service in a 3 (Disabled) state.

1412 6.14.5.1 Stop Command Form for a Single Instance

1413 This command form is for the stop verb applied to a single instance of CIM_MediaRedirectionService.

1414 6.14.5.1.1 Command Form

```
1415 stop <CIM_MediaRedirectionService single instance>
```

1416 6.14.5.1.2 CIM Requirements

1417 See CIM_MediaRedirectionService in the “CIM Elements” section of the [Media Redirection Profile](#) for the
1418 list of mandatory properties.

1419 6.14.5.1.3 Behavior Requirements

1420 6.14.5.1.3.1 Preconditions

1421 \$instance represents the instance of CIM_MediaRedirectionService.

```
1422 $instance=<CIM_MediaRedirectionService single instance>;
```

1423 6.14.5.1.3.2 Pseudo Code

```
1424 &smRequestStateChange ( $instance.GetObjectPath(), “Disabled” );
```

```
1425 &smEnd;
```

1426

1427

1428

1429

1430

1431

ANNEX A
(informative)

Change Log

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