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Optical Drive Diagnostics Profile

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Foreword

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Acknowledgments

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Optical Drive Diagnostics Profile

1 Scope

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[Diagnostics Profile](#)

2 Normative references

CIM Infrastructure Specification 2.6

CIM Operations over HTTP 1.3

Management Profile Specification Usage Guide 1.0

Diagnostics Profile 2.0

Profile Registration Profile 1.0

ABNF: Augmented BNF for Syntax Specifications, January 2008

Rules for the structure and drafting of International Standards

3 Terms and definitions

4 Symbols and abbreviated terms

**4.1
CDM**

**4.2
CIM**

**4.3
CIMOM**

**4.4
CRU**

**4.5
FRU**

**4.6
HDD**

**4.7
LED**

**4.8
ME**

**4.9
MOF**

**4.10
ODD**

4.11

OS

4.12
PD

4.13
PFA

4.14
POST

4.15
SLP

4.16
SSD

4.17
WBEM

5 Synopsis

Profile name:

Version:

Organization:

CIM schema version:

Central class:

Scoping class:

Specializes:

Optical Drive Diagnostics Profile

Table 1 – Referenced profiles

Profile Name	Organization	Version	Description

6 Description

7 Implementation

7.1 Optical drive test information

Table 2 – Test type information

Test Name	Test Information	

Test Name	Test Information	

Test Name	Test Information	

Test Name	Criteria	ElementName*	OpticalDriveTestType	TestType*

7.3 CIM_OpticalDriveDiagnosticSettingData

Table 4 – CIM_OpticalDriveDiagnosticSettingData parameters used by tests

Test Name	ElementName*	Seed	DataPatterns

Test Name	ElementName*	Seed	DataPatterns

7.3.1 CIM_OpticalDriveDiagnosticSettingData.Seed

7.3.2 CIM_OpticalDriveDiagnosticSettingData.DataPatterns

7.4 CIM_OpticalDriveDiagnosticServiceCapabilities

Table 5 – CIM_OpticalDriveDiagnosticServiceCapabilities parameters used by tests

Test Name	ElementName*	SeedSupported	DataPatternsSupported

Test Name	ElementName*	SeedSupported	DataPatternsSupported

7.4.1 CIM_OpticalDriveDiagnosticServiceCapabilities.SeedSupported

7.4.2 CIM_OpticalDriveDiagnosticServiceCapabilities.DataPatternsSupported

8 Methods

8.1 CIM_OpticalDriveDiagnosticTest.RunDiagnosticService()

) Method: Return Code Values” of [Diagnostics Profile](#) ed in “Table 2 –

8.2 Profile conventions for operations

[Diagnostics Profile](#)

8.2.1 CIM_OpticalDriveDiagnosticTest

[Diagnostics Profile](#)

8.2.2 CIM_OpticalDriveDiagnosticSettingData

[Diagnostics Profile](#)

8.2.3 CIM_OpticalDriveDiagnosticServiceCapabilities

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9 Use cases

Optical Drive Diagnostics Profile

[Diagnostics Profile](#)

9.1 Use case summary

Table 6 – Optical Disk Diagnostics Profile use cases

Category	Tests	Description

[Diagnostics Profile](#)

-
-
-

9.2 Quick functional verification

9.3 Data operation verification

9.4 Mechanical operation verification

Table 8 – Class: CIM_OpticalDriveDiagnosticTest

Properties	Requirement	Notes

10.2 CIM_OpticalDriveDiagnosticSettingData

[Profile](#)
[Diagnostics Profile](#)

[Diagnostics](#)
[Diagnostics Profile](#)

Table 9 – Class: CIM_OpticalDriveDiagnosticSettingData

Elements	Requirement	Notes

10.3 CIM_OpticalDriveDiagnosticServiceCapabilities

[Diagnostics Profile](#)
[Diagnostics Profile](#) [Diagnostics Profile](#)

Table 10 – Class: CIM_OpticalDriveDiagnosticServiceCapabilities

Elements	Requirement	Notes

10.4 CIM_RegisteredProfile

[Registration Profile](#) [Profile Registration Profile](#) [Profile Registration Profile](#) [Profile](#)

Table 11 – Class: CIM_RegisteredProfile

Elements	Requirement	Notes
		“Optical Disk Diagnostics”
		be “1.0.0”

10.5 CIM_AffectedJobElement

[Diagnostics Profile](#)

[Diagnostics Profile](#)

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Table 12 – Class: CIM_AffectedJobElement

Properties	Requirement	Notes

10.6 CIM_AvailableDiagnosticService

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Table 13 – Class: CIM_AvailableDiagnosticService

Properties	Requirement	Notes

10.7 CIM_ElementCapabilities

[Diagnostics Profile](#)

[Diagnostics Profile](#)

[Diagnostics Profile](#)

Table 14 – Class: CIM_ElementCapabilities

Properties	Requirement	Notes

10.8 CIM_ElementSettingData (DiagnosticSettingData)

[Diagnostics Profile](#)

[Diagnostics Profile](#)

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Table 15 – Class: CIM_ElementSettingData (DiagnosticSettingData)

Properties	Requirement	Notes

10.9 CIM_ElementSettingData (JobSettingData)

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Table 16 – Class: CIM_ElementSettingData (JobSettingData)

Properties	Requirement	Notes

10.10 CIM_ElementSoftwareIdentity

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[Diagnostics Profile](#)

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Table 17 – Class: CIM_ElementSoftwareIdentity

Properties	Requirement	Notes

10.11 CIM_HostedService

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[Diagnostics Profile](#)

Table 18 – Class: CIM_HostedService

Properties	Requirement	Notes

10.12 CIM_OwningJobElement

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[Diagnostics Profile](#)

[Diagnostics Profile](#)

Table 19 – Class: CIM_OwningJobElement

Properties	Requirement	Notes

10.13 CIM_RecordAppliesToElement

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[Diagnostics Profile](#)

[Diagnostics Profile](#)

Table 20 – Class: CIM_RecordAppliesToElement

Properties	Requirement	Notes

10.14 CIM_ServiceAffectsElement

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[Diagnostics Profile](#)

Table 21 – Class: CIM_ServiceAffectsElement

Properties	Requirement	Notes

10.15 CIM_ServiceAvailableToElement

[Diagnostics Profile](#)

[Diagnostics Profile](#)

[Diagnostics Profile](#)

Table 22 – Class: CIM_ServiceAvailableToElement

Properties	Requirement	Notes

10.16 CIM_ServiceComponent

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[Diagnostics Profile](#)

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Table 23 – Class: CIM_ServiceComponent

Properties	Requirement	Notes

10.17 CIM_UseOfLog

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Table 24 – Class: CIM_UseOfLog

Properties	Requirement	Notes

Annex A

Change log

Version	Date	Description