Desktop Management Task Force

Desktop Management Interface (DMI) 2.0

Conformance Test Plan for Managed Systems

Approved by the Technical Advisory Committee on December 10, 1997

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or

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1. Overview

The objective of this document is to "Define a test plan to insure compliance with the DTMF DMI 2.0 Specification" on managed systems.

This document defines the testing to insure compliance for DMI 2.0 managed systems, such as PCs, Servers, Clients (Desktops, Portables, Workstations, Net PCs, etc.), and managed software per the DMTF DMI 2.0 Conformance Requirements document, version 1.1, December 10, 1997. Software passing this test plan can claim DMI 2.0 Conformance. Of course, software and hardware manufacturers are likely to provide additional DMTF standard groups and vendor specific groups above this minimum requirement to add value to their products.

This document assumes that the reader is familiar with the DMI technology as described in the DMI specification document.

1.1. Ownership

The DMTF is the owner of and will maintain the *DMI 2.0 Specification and Errata,* the *DMI 2.0 Conformance Requirements,* the *DMTF Standard Groups Repository, and the DMI 2.0 Conformance Test Plan for Managed Systems.* The aforementioned documents will be modified as new DMTF standards are developed and approved. Current versions of this document, the DMI 2.0 Specification and other reference documents are available on the DMTF web site at **http://www.dmtf.org**

1.2. References

The reference documents applicable for this test plan are listed below:

1. Desktop Management Task Force DMI 2.0 Conformance Requirements, version 1.1, December 10, 1997

2. Desktop Management Task Force DMI 2.0 specification,

3. Desktop Management Task Force DMI 2.0 Errata #1,

4. The DMI 2.0 MIF Conformance Test Tool documentation,

5. The DMI 2.0 Conformance Test Tool (COMPCHK2) and the required groups definition files will be available on the DMTF web site at **http://www.dmtf.org**.

1.3. Assumptions

This document makes the assumptions as listed below:

The DTMF will release and maintain the COMPCHK2 tool and required group definition files. The COMPCHK2 tool will support all valid RPC protocols (DCE, ONC, TI) in a future release.

1. The COMPCHK2 tool, when used with the MASTER.MIF reference file, provides adequate conformance testing.

2. The COMPCHK2 tool, when used with a set of required group definition files, can adequately test for the presence of required groups.

2. Test Items

The items to be tested under this test plan are:

- Managed Systems Baseline

- Desktop Systems

    Mobile Systems

    Server Systems

    Manageable Software Components

    Other implementations such as Independent Hardware Vendor (IHV) Video Adapters, LAN Adapters, etc.

2.1 Features To Be Tested

The following features will be verified under this test plan:

A DMI 2.0 Service Provider is present.

Conformance to the DMTF DMI Master MIF standard group definitions. Vendor specific group definitions (Class names without "DMTF|" as a prefix) will be checked for legal MIF syntax only.

All required groups are present.

A remote procedure call capability is present and functional. The only RPC mechanism supported in the COMPCHK2 tool at present is DCE RPC. Other valid remote procedure call mechanisms (ONC and TI) will be supported in the future.

Attribute data is accessible through the DMI 2.0 Management Interface (MI), as demonstrated by using a DMI browser.

The following will be checked for syntax correctness only:

Actual Attribute value,

Attribute and group names,

Attribute and Group Descriptions,

Attribute Storage fields,

Groups Ids,

Enumeration string mappings.

2.2. Features Not To Be Tested

The following items are specifically not tested under this test plan, but may be addressed in the future:

Hardware subsystem to group correlation,

Service Provider conformance,

Event Generation conformance,

Management Applications.

3. Approach

The managed system with DMI 2.0 support will be tested using a set of DMI 2.0 conformance verification test tools. These tools will interface the System Under Test through one of the valid RPC protocols. The system hosting the test programs will contain a Windows/95 or Windows/NT environment, however the system to be tested may contain another operating system environment. In this manner DMI service providers for other operating system environments may be verified using the same test tools.

3.1. MIF Conformance check

1. Install COMPCHK2.EXE and its supporting files on the testing system (Windows 95 or Windows NT).

2. Using COMPCHK2, attach to the Service Provider of the remote system under test using the DCE RPC protocol .

3. Load the MASTER.MIF file by selecting **Add** under **Reference MIFs**,

4. Load the Required group definition file(s) for the type of unit under test, by selecting **Add** under "Required Groups Definition Files" (see Table 1 below)

Required Group Definition File	Basesys.REQ	Desktop.REQ	Server.REQ	Mobile.REQ	LANAdap.REQ	VidAdap.REQ	Monitor.REQ	Software.REQ
Baseline	*							
Manageable Desktops	*	*						
Manageable Servers	*		*					
Manageable Mobile Systems	*			*				
IHV LAN Adapter					*			
IHV Video Adapter						*		
IHV DDC Monitor							*	
Manageable Software Components								*

Table 1. Required Group Definition Files

1. Highlight the MIF(s) to be tested in the **Candidate MIFs** box

2. Execute the test against the selected MIF by press **START**,

3. Save the test results file, using **File | Save**, when the test completes.

3.2 Conformance Certification

Testing event dates and locations, along with procedures specifying how to request DMI 2.0 Conformance Certificates will be posted on the DMTF web site at **http://www.dmtf.org**.

3.3. Item Pass / Fail Criteria

Exceptions to the DMI 2.0 Conformance Requirements are granted when specific hardware elements are not supported by the platform under test, or when the operating system in use on that platform does not support appropriate interfaces to allow access to required instrumentation attributes. Failures encountered during testing as a result of these conditions will be waived by the DMTF.

Definition: Explainable Failure – Any indicated failure that occurred during the execution of COMPCHK2 which can be explained by exceptions documented in the DMI 2.0 Conformance Requirements.

The system under test is considered to have **passed** this test plan when all elements of this test plan have been executed and

no unexplainable failures have been recorded.

The system under test is considered to have **failed** this test plan when any element of this test plan is executed and one or more unexplainable failures have been recorded.

The certification as to conformance to DMI 2.0 standards will be made by the Desktop Management Task Force committee based upon the test results and all submitted documentation.

4.0. Test Deliverables

The set of deliverables for this test plan include:

1. This test plan, including the "Request For DMI 2.0 Certification" form,

2. COMPCHK2.EXE,

3.   Master.MIF file,

4. Required Groups conformance files: Basesys.REQ, Desktop.REQ, Server.REQ, Mobile.REQ, Software.REQ, LANAdap.REQ, Monitor.REQ, and VidAdap.REQ.

5.0. Testing Tasks

The tasks to be completed in the development of the test specified by this test plan are:

1. Update the COMPCHK2.EXE tool to include all RPC protocols supported under DMI 2.0 for a future release.

2. Develop required group file for each of the following:

    DMI 2.0 Baseline Compliant Systems,
    DMI 2.0 Compliant Desktop Systems,
    DMI 2.0 Compliant Mobile Systems,
    DMI 2.0 Compliant Server Systems,
    DMI 2.0 DDC compliant monitors,
    DMI 2.0 Compliant LAN Adapters,
    DMI 2.0 Compliant Video Adapters,
    DMI 2.0 Compliant Manageable Software Components.

6.0. Environmental Needs

The test tool, COMPCHK2.EXE was intended for use under Windows 95 and Windows NT operating systems. This requires that the system performing the test is a Windows based system, and that the system under test is accessed remotely.

Test tools, if any, which need to be hosted on the system under test will be required to support the installed operating system environment.

< End of Test Plan >

Appendix A – Managed System Baseline Required Group File (Basesys.REQ)

Language = "en|US|iso8859-1"
Start Component
  Name = "Managed Systems Baseline Conformance Test"
  Description = "This component defines the Required Groups for "
    "Managed Systems DMI 2.0 Baseline conformance"

  Start Group
    Name = "ComponentID Group"
    Class = "DMTF|ComponentID|001"
    ID = 1

    Description = "Component ID group in single key test component"

    Start Attribute
      Name   = "Manufacturer"
      ID   = 1
      Type   = String (40)
      Access = Read-Only
      Value = ""
    End Attribute

    Start Attribute
      Name = "Product"
      ID   = 2
      Description = "Product name for this component."
      Type   = String(64)
       Access = Read-Only
       Storage = Common
      Value   = "Managed Systems Conformance Specification REQ"
    End Attribute

    Start Attribute
      Name   = "Version"
      ID   = 3
      Description = "Version number of this component."
      Type   = String(64)
      Access = Read-Only
      Storage = Common
      Value = "1.0"
    End Attribute

    Start Attribute
      Name   = "Installation"
      ID   = 5
      Description = "The time and date of the last install of this component."
      Type   = Date
      Access = Read-Only
      Storage = Specific
      Value   = ""
    End Attribute
  End Group

  Start Group
    Name = "Required Groups Test Identification Group"

```
   Class = "DMTF|Conformance Test|001"
   ID    = 2
   Description = "This Group Defines the required groups definition described by this component."
   Start Attribute
        ID        = 1
        Name     = "REQ Test Name"
        Description = "Name of required groups definition."
        Type     = String(1024)
        Access   = Read-Only
        Value    = "Managed Systems Required Groups Conformance Test"
   End Attribute

   Start Attribute
        ID        = 2
        Name     = "Compliance Test Description"
        Description = "Description of the Compliance Test"
        Type     = String(1000)
        Access   = Read-Only
        Value    = "Checks for minimum set of required groups as defined by the"
            "Management Systems Conformance Specification."
   End Attribute
 End Group

 Start Group
   Name     = "Managed Systems Conformance"
   Class      = "DMTF|Managed Systems Conformance|001"
   Description = "Table defining the Groups needed for a system to be"
          " considered conformant with the DMI 2.0 Conformance Specification."
   Key       = 1
   Start Attribute
        ID        = 1
        Name     = "Class String"
        Description = "Class String of required Group"
        Type     = String(1024)
        Access   = Read-Only
   End Attribute

   Start Attribute
        ID        = 2
        Name    = "Properties"
        Description  = "Describes the properties of this current class string"
        Type     = Start Enum
           0 = "Generic"
           1 = "Replacement Group"
           2 = "Obsolete Group w/ replacement group"
           3 = "Obsolete Group w/out replacement group"
        End Enum
   Access = Read-Only
   End Attribute

   Start Attribute
        ID        = 3
        Name      = "Grouping ID"
        Description =  "ID that ties a set of Standard Groups logically together"
        Type      =     Start Enum
           0 = "Generic"
           1 = "Group 1"
           2 = "Group 2"
           3 = "Group 3"
           4 = "Group 4"
```

```
            5 = "Group 5"
            6 = "Group 6"
            7 = "Group 7"
            8 = "Group 8"
            9 = "Group 9"
         End Enum
         Access  = Read-Only
      End Attribute

      Start Attribute
         ID       =  4
         Name    =  "Attribute Spec Group ID"
         Description =  "Group ID of table that defines Attribute Specification"
         Type    =  Integer
         Access  = Read-Only
      End Attribute

   End Group

   Start Table
      Name  = "DMI 2.0 Managed Systems Required Groups"
      ID    = 100
Class = "DMTF|Managed Systems Conformance|001"
         {"DMTF|ComponentID|001"                    , 0, 0, 0}
         {"DMTF|General Information|001"             , 0, 0, 0}
         {"DMTF|Network Adapter 802 Port|001"         , 0, 0, 0}
         {"DMTF|Network Adapter Driver|001"          , 0, 0, 0}
         {"DMTF|Operating System|001"                , 0, 0, 0}
         {"DMTF|Physical Container Global Table|001"   , 0, 0, 0}
         {"DMTF|Processor|003"                         , 0, 0, 0}
         {"DMTF|System BIOS|001"                       , 0, 0, 0}
         {"DMTF|System Cache|002"                    , 0, 0, 0}
         {"DMTF|System Slots|003"                      , 0, 0, 0}

      End Table

End Component
```

Appendix B – Managed Desktop System Required Group File (Desktop.REQ)

Language = "en|US|iso8859-1"Start Component Name = "Managed Desktop Systems DMI 2.0 Baseline Conformance Test"
  Description = "This component defines the Required Groups for "
        "Desktop Systems DMI 2.0 Baseline conformance"

Start Group
   Name = "ComponentID Group"
   Class = "DMTF|ComponentID|001"
   ID = 1
   Description = "Component ID group in single key test component"
   Start Attribute
        Name = "Manufacturer"ID   = 1Type = String (40)Access = Read-OnlyValue = ""
   End Attribute
   Start Attribute
        Name = "Product"ID   = 2
        Description = "Product name for this component."
        Type   = String(64)
        Access = Read-Only
        Storage = Common
        Value = "Managed Systems Conformance Specification REQ"
   End Attribute

   Start Attribute
        Name = "Version"ID   = 3Description = "Version number of this component."Type   = String(64)
        Access = Read-Only
        Storage= Common
        Value = "1.0"
   End Attribute

   Start Attribute   Name   = "Installation"   ID   = 5   Description = "The time and date of the last install of
   this component."   Type   = Date   Access   = Read-Only
        Storage   = Specific
        Value   = ""
   End Attribute
 End Group Start Group
   Name = "Required Groups Test Identification Group"Class = "DMTF|Conformance Test|001"ID   = 2Description =
   "This Group Defines the required groups definition described by this component."

   Start Attribute
        ID   = 1
        Name   = "REQ Test Name"
        Description = "Name of required groups definition."
        Type   = String(1024)
        Access   = Read-Only
        Value   = "Managed Desktop Systems DMI 2.0 Conformance Test"
    End Attribute   Start Attribute
        ID   = 2
        Name   = "Compliance Test Description"
        Description = "Description of the Compliance Test"
        Type   = String(1000)
        Access   = Read-Only
        Value   = "Checks for minimum set of required groups as defined by the"
              "DMI 2.0 Conformance Specification."
   End Attribute
 End Group

    Start Group
         Name   = "Managed Systems Conformance"Class   = "DMTF|Managed Systems Conformance|001"
         Description = "Table defining the Groups needed for a system to be"
            " considered conformant with the DMI 2.0 Conformance Specification."
         Key   = 1
         Start Attribute
             ID   = 1
             Name = "Class String"
             Description = "Class String of required Group"
             Type = String(1024)
             Access   = Read-Only
         End Attribute

         Start Attribute   ID   = 2
             Name = "Properties"Description = "Describes the properties of this current class string"
             Type = Start Enum0 = "Generic" 1   = "Replacement Group"2   = "Obsolete Group w/ replacement group"
                3   = "Obsolete Group w/out replacement group"
             End Enum
             Access = Read-Only
         End Attribute

         Start Attribute
             ID   = 3Name= "Grouping ID"Description = "ID that ties a set of Standard Groups logically together"
             Type = Start Enum
              0 = "Generic"
              1 = "Group 1"
              2 = "Group 2"
             End Enum
             Access = Read-Only
         End Attribute

         Start Attribute
             ID   = 4Name= "Attribute Spec Group ID"Description = "Group ID of table that defines Attribute Specification"
             Type = Integer
             Access = Read-Only
         End Attribute
 End Group   Start Table   Name= "DMI 2.0 Managed Desktop Conformance Required Groups"   ID   = 100   Class   =
"DMTF|Managed Systems Conformance|001"
  {"DMTF|Video|002"   , 0, 0, 0}
  {"DMTF|Disks|002"   , 0, 0, 0}
  {"DMTF|Keyboard|003"   , 0, 0, 0}
  {"DMTF|Pointing Device|001"   , 1, 1, 0}
  {"DMTF|Mouse|003"   ,2 ,1 ,0}

  End Table
End Component

Appendix C – Managed Mobile System Required Group File (Mobile.REQ)

Language = "en|US|iso8859-1"Start Component Name = "Managed Mobile Systems DMI 2.0 Baseline Conformance Test"
  Description = "This component defines the Required Groups for "
      "Mobile Systems DMI 2.0 Baseline conformance"

Start Group
   Name = "ComponentID Group"
   Class = "DMTF|ComponentID|001"
   ID = 1
   Description = "Component ID group in single key test component"
   Start Attribute
      Name = "Manufacturer"ID   = 1Type = String (40)Access = Read-OnlyValue = ""
   End Attribute
   Start Attribute
      Name = "Product"ID   = 2
      Description = "Product name for this component."
      Type   = String(64)
      Access = Read-Only
      Storage = Common
      Value   = "Managed Systems Conformance Specification REQ"
   End Attribute

   Start Attribute
      Name = "Version"ID   = 3Description = "Version number of this component."Type   = String(64)
      Access = Read-Only
      Storage= Common
      Value = "1.0"
   End Attribute

   Start Attribute   Name   = "Installation"   ID   = 5   Description = "The time and date of the last install of
this component."   Type   = Date   Access   = Read-Only
      Storage   = Specific
    Value   = ""
   End Attribute
 End Group Start Group
   Name = "Required Groups Test Identification Group"Class = "DMTF|Conformance Test|001"ID   = 2Description =
   "This Group Defines the required groups definition described by this component."

   Start Attribute
      ID   = 1
      Name   = "REQ Test Name"
      Description = "Name of required groups definition."
      Type   = String(1024)
      Access   = Read-Only
      Value   = "Managed Mobile Systems DMI 2.0 Conformance Test"
    End Attribute Start Attribute
      ID   = 2
      Name   = "Compliance Test Description"
      Description = "Description of the Compliance Test"
      Type   = String(1000)
      Access   = Read-Only
      Value   = "Checks for minimum set of required groups as defined by the"
          "DMI 2.0 Conformance Specification."
   End Attribute
 End Group

```
Start Group
     Name     = "Managed Systems Conformance"Class      = "DMTF|Managed Systems Conformance|001"
     Description = "Table defining the Groups needed for a system to be"
         " considered conformant with the DMI 2.0 Conformance Specification."
     Key       = 1
     Start Attribute
         ID     = 1
         Name = "Class String"
         Description = "Class String of required Group"
         Type  = String(1024)
         Access      = Read-Only
     End Attribute

     Start Attribute    ID     = 2
         Name = "Properties"Description  =  "Describes the properties of this current class string"
         Type  = Start Enum0   = "Generic"   1   = "Replacement Group"2   = "Obsolete Group w/ replacement group"
             3   = "Obsolete Group w/out replacement group"
         End Enum
         Access = Read-Only
     End Attribute

     Start Attribute
         ID     = 3Name= "Grouping ID"Description =  "ID that ties a set of Standard Groups logically together"
         Type  = Start Enum
          0 = "Generic"
          1 = "Group 1"
          2 = "Group 2"
         End Enum
         Access  = Read-Only
     End Attribute

     Start Attribute
         ID     = 4Name= "Attribute Spec Group ID"Description =  "Group ID of table that defines Attribute Specification"
         Type  = Integer
         Access = Read-Only
     End Attribute
 End Group   Start Table   Name= "DMI 2.0 Managed Mobile Conformance Required Groups"   ID      = 100   Class   =
"DMTF|Managed Systems Conformance|001"       {"DMTF|Dynamic States|001"               ,0, 0, 0}
   {"DMTF|Portable Battery|001"              ,0, 0, 0}
   {"DMTF|Video|002"                         ,0, 0, 0}
   {"DMTF|Disks|002"                          ,0, 0, 0}
   {"DMTF|Pointing Device|001"              ,0 ,0 ,0}
   {"DMTF|Keyboard|003"                      ,0, 0, 0}

 End Table
End Component
```

Appendix D – Managed Server Required Group File (Server.REQ)

```
 Start Group
   Name  = "ComponentID Group"
   Class = "DMTF|ComponentID|001"
   ID  = 1
```

```
     Description = "Component ID group in single key test component"
     Start Attribute
      Name   = "Manufacturer"
       ID     = 1
      Type   = String (40)
      Access = Read-Only
      Value  = ""
     End Attribute
     Start Attribute
      Name = "Product"
       ID   = 2
      Description = "Product name for this component."
      Type    = String(64)
      Access  = Read-Only
      Storage = Common
      Value   = "Managed Systems Conformance Specification REQ"
     End Attribute
     Start Attribute
      Name   = "Version"
       ID     = 3
      Description = "Version number of this component."
      Type   = String(64)
      Access = Read-Only
      Storage= Common
      Value  = "1.0"
     End Attribute
     Start Attribute
      Name   = "Installation"
       ID     = 5
      Description = "The time and date of the last install of this component."
      Type   = Date
      Access = Read-Only
      Storage= Specific
      Value  = ""
     End Attribute
    End Group

   Start Group
    Name  = "Required Groups Test Identification Group"
    Class = "DMTF|Conformance Test|001"
    ID    = 2
    Description = "This Group Defines the required groups definition described by this component."

    Start Attribute
     ID          = 1
     Name        = "REQ Test Name"
     Description = "Name of required groups definition."
     Type        = String(1024)
     Access      = Read-Only
     Value       = "Managed Systems Required Groups DMI 2.0 Conformance Test"
    End Attribute
    Start Attribute
     ID          = 2
     Name        = "Compliance Test Description"
     Description = "Description of the Compliance Test"
     Type        = String(1000)
     Access      = Read-Only
     Value       = "Checks for minimum set of required groups as defined by the"
       "DMI 2.0 Conformance Specification."
    End Attribute
```

End Group

Start Group
  Name   = "Managed Systems Conformance"
  Class   = "DMTF|Managed Systems Conformance|001"
  Description = "Table defining the Groups needed for a system to be"
   " considered conformant with the DMI 2.0 Conformance Specification."
  Key   = 1
  Start Attribute
   ID   = 1
   Name   = "Class String"
   Description = "Class String of required Group"
   Type   = String(1024)
   Access = Read-Only
  End Attribute
  Start Attribute
   ID   = 2
   Name   = "Properties"
   Description = "Describes the properties of this current class string"
   Type   = Start Enum
    0 = "Generic"
    1 = "Replacement Group"
    2 = "Obsolete Group w/ replacement group"
    3 = "Obsolete Group w/out replacement group"
   End Enum
   Access = Read-Only
  End Attribute
  Start Attribute
   ID   = 3
   Name   = "Grouping ID"
   Description = "ID that ties a set of Standard Groups logically together"
   Type   = Start Enum
    0 = "Generic"
    1 = "Group 1"
    2 = "Group 2"
    3 = "Group 3"
    4 = "Group 4"
    5 = "Group 5"
    6 = "Group 6"
    7 = "Group 7"
    8 = "Group 8"
    9 = "Group 9"
   End Enum
   Access = Read-Only
  End Attribute
  Start Attribute
   ID   = 4
   Name   = "Attribute Spec Group ID"
   Description = "Group ID of table that defines Attribute Specification"
   Type   = Integer
   Access   = Read-Only
  End Attribute
End Group

Start Table
  Name = "Managed Server Conformance Required Groups"
  ID   = 100
  Class = "DMTF|Managed Systems Conformance|001"

```
{"DMTF|Cooling Device|002"              , 0, 0, 0}
{"DMTF|Operational State|002"            , 0, 0, 0}
{"DMTF|Power Supply|002"                 , 0, 0, 0}
{"DMTF|Power Unit Global Table|001"      , 0, 0, 0}
```

End Table
End Component

Appendix E – Managed Software Baseline Required Group File (Software.REQ)

Language = "en|US|iso8859-1"Start Component Name = "Managed Software DMI 2.0 Baseline Conformance Test"
Description = "This component defines the Required Groups for "   "Managed Software DMI 2.0 Baseline conformance"

```
 Start Group
  Name  = "ComponentID Group"
  Class = "DMTF|ComponentID|001"
  ID  = 1
  Description = "Component ID group in single key test component"
  Start Attribute
   Name   = "Manufacturer"
   ID     = 1
   Type   = String (40)
   Access = Read-Only
   Value  = ""
  End Attribute
  Start Attribute
   Name = "Product"
   ID   = 2
   Description = "Product name for this component."
   Type    = String(64)
   Access  = Read-Only
   Storage = Common
   Value   = "Managed System Conformance Specification REQ"
  End Attribute
  Start Attribute
   Name   = "Version"
   ID     = 3
   Description = "Version number of this component."
   Type   = String(64)
   Access = Read-Only
   Storage= Common
   Value  = "1.0"
  End Attribute
  Start Attribute
   Name   = "Installation"
   ID     = 5
   Description = "The time and date of the last install of this component."
   Type   = Date
   Access = Read-Only
   Storage= Specific
   Value  = ""
  End Attribute
 End Group

 Start Group
  Name  = "Required Groups Test Identification Group"
  Class = "DMTF|Conformance Test|001"
  ID    = 2
  Description = "This Group Defines the required groups definition described by this component."

  Start Attribute
   ID        = 1
   Name       = "REQ Test Name"
   Description = "Name of required groups definition."
```

```
  Type      = String(1024)
  Access    = Read-Only
  Value     = "Managed Software Required Groups DMI 2.0 Conformance Test"
 End Attribute
 Start Attribute
  ID        = 2
  Name      = "Compliance Test Description"
  Description = "Description of the Compliance Test"
  Type      = String(1000)
  Access    = Read-Only
  Value     = "Checks for minimum set of required groups for Managed Software"
            " as defined by the DMI 2.0 Conformance Specification."
 End Attribute
End Group

Start Group
  Name      = "Managed Systems Conformance"
  Class     = "DMTF|Managed Systems Conformance|001"
  Description = "Table defining the Groups needed for a system to be"
    " considered conformant with the DMI 2.0 Conformance Specification."
  Key         = 1
 Start Attribute
   ID          = 1
   Name     = "Class String"
   Description = "Class String of required Group"
   Type      = String(1024)
   Access    = Read-Only
  End Attribute
  Start Attribute
   ID        = 2
   Name     = "Properties"
   Description  = "Describes the properties of this current class string"
   Type      = Start Enum
    0 = "Generic"
    1 = "Replacement Group"
    2 = "Obsolete Group w/ replacement group"
    3 = "Obsolete Group w/out replacement group"
   End Enum
   Access = Read-Only
  End Attribute
  Start Attribute
   ID        = 3
   Name     = "Grouping ID"
   Description =  "ID that ties a set of Standard Groups logically together"
   Type      =   Start Enum
    0 = "Generic"
    1 = "Group 1"
    2 = "Group 2"
    3 = "Group 3"
   End Enum
   Access  = Read-Only
  End Attribute
  Start Attribute
   ID        = 4
   Name     = "Attribute Spec Group ID"
   Description =  "Group ID of table that defines Attribute Specification"
   Type      = Integer
   Access    = Read-Only
  End Attribute
 End Group
```

Start Table
  Name = "Managed Software Required Groups"
  ID   = 100
  Class = "DMTF|Managed Systems Conformance|001"

  {"DMTF|Component ID|001"   , 0, 0, 0}
  {"DMTF|Software Component Information|002", 0, 0, 0}
  {"DMTF|Software Signature|002"   , 0, 0, 0}
  {"DMTF|Location|001"   , 0, 0, 0}
  {"DMTF|File List|001"   , 0, 0, 0}
  {"DMTF|Maintenance|001"   , 1, 1, 0}
  {"DMTF|Support|001"   , 1, 1, 0}
  {"DMTF|Subcomponents|001"   , 0, 0, 0}

  End Table
End Component

Appendix F – IHV DDC Monitor Baseline Required Group File (Monitor.REQ)

Language = "en|US|iso8859-1"Start Component
  Name = "IHV DDC Monitor DMI 2.0 Baseline Conformance Test"
  Description = "This component defines the Required Groups for "
      "DDC Monitor DMI 2.0 Baseline conformance"

  Start Group
   Name   = "ComponentID Group"
   Class   = "DMTF|ComponentID|001"
   ID   = 1
   Description = "Component ID group in single key test component"
   Start Attribute
    Name= "Manufacturer"
     ID   = 1
     Type = String (40)
     Access = Read-Only
     Value= ""
   End Attribute
   Start Attribute
    Name= "Product"
     ID   = 2
    Description = "Product name for this component."
     Type = String(64)
    Access = Read-Only
    Storage = Common
    Value= "Managed Systems Conformance Specification REQ"
   End Attribute
   Start Attribute
    Name = "Version"
     ID   = 3
    Description = "Version number of this component."
    Type   = String(64)
    Access = Read-Only
    Storage= Common
    Value = "1.0"
   End Attribute
   Start Attribute
    Name = "Installation"
     ID   = 5
    Description = "The time and date of the last install of this component."
    Type   = Date
    Access = Read-Only
    Storage= Specific
    Value = ""
   End Attribute
  End Group

  Start Group
   Name = "Required Groups Test Identification Group"
   Class = "DMTF|Conformance Test|001"
   ID   = 2
   Description = "This Group Defines the required groups definition described by this component."

   Start Attribute
    ID   = 1

```
  Name       = "REQ Test Name"
  Description = "Name of required groups definition."
  Type       = String(1024)
  Access     = Read-Only
  Value      =" IHV DDC Conformant Monitor DMI 2.0 Conformance Test"
 End Attribute
 Start Attribute
  ID        = 2
  Name       = "Compliance Test Description"
  Description = "Description of the Compliance Test"
  Type       = String(1000)
  Access     = Read-Only
  Value      = "Checks for minimum set of required groups as defined by the"
    "DMI 2.0 Conformance Specification."
 End Attribute
End Group

Start Group
 Name      = "Managed Systems Conformance"
 Class      = "DMTF|Managed Systems Conformance|001"
 Description = "Table defining the Groups needed for a system to be"
   " considered conformant with the DMI 2.0 Conformance Specification."
 Key       = 1
 Start Attribute
  ID       = 1
  Name     = "Class String"
  Description = "Class String of required Group"
  Type      = String(1024)
  Access   = Read-Only
 End Attribute
 Start Attribute
  ID       = 2
  Name    = "Properties"
  Description = "Describes the properties of this current class string"
  Type    = Start Enum
   0 = "Generic"
   1 = "Replacement Group"
   2 = "Obsolete Group w/ replacement group"
   3 = "Obsolete Group w/out replacement group"
  End Enum
  Access = Read-Only
 End Attribute
 Start Attribute
  ID       = 3
  Name    = "Grouping ID"
  Description = "ID that ties a set of Standard Groups logically together"
  Type    =     Start Enum
   0 = "Generic"
   1 = "Group 1"
   2 = "Group 2"
  End Enum
  Access  = Read-Only
 End Attribute
 Start Attribute
  ID       = 4
  Name    = "Attribute Spec Group ID"
  Description = "Group ID of table that defines Attribute Specification"
  Type     = Integer
  Access   = Read-Only
 End Attribute
```

End Group

Start Table
  Name = "IHV DDC Monitor Conformance Required Groups"
  ID   = 100
  Class = "DMTF|Managed Systems Conformance|001"

     {"DMTF|Monitor Resolutions|002"   , 0, 0, 0}

  End Table
End Component

Appendix G – IHV LAN Adapter Compliant Baseline Required Group File (LANAdap.REQ)

Language = "en|US|iso8859-1"
Start Component
  Name = "Managed IHV LAN Adapter DMI 2.0 Baseline Conformance Test"
  Description = "This component defines the Required Groups for "
        "IHV LAN Adapter DMI 2.0 Baseline conformance"

  Start Group
   Name = "ComponentID Group"
   Class = "DMTF|ComponentID|001"
   ID = 1
   Description = "Component ID group in single key test component"
   Start Attribute
    Name   = "Manufacturer"
    ID   = 1
    Type   = String (40)
    Access = Read-Only
    Value = ""
   End Attribute
   Start Attribute
    Name = "Product"
    ID   = 2
    Description = "Product name for this component."
    Type   = String(64)
    Access = Read-Only
    Storage = Common
    Value   = "Managed Systems Conformance Specification REQ"
   End Attribute
   Start Attribute
    Name   = "Version"
    ID   = 3
    Description = "Version number of this component."
    Type   = String(64)
    Access = Read-Only
    Storage= Common
    Value = "1.0"
   End Attribute
   Start Attribute
    Name   = "Installation"
    ID   = 5
    Description = "The time and date of the last install of this component."
    Type   = Date
    Access = Read-Only

```
   Storage= Specific
    Value  = ""
  End Attribute
End Group

Start Group
  Name  = "Required Groups Test Identification Group"
  Class = "DMTF|Conformance Test|001"
  ID    = 2
  Description = "This Group Defines the required groups definition described by this component."

  Start Attribute
    ID        = 1
     Name       = "REQ Test Name"
   Description = "Name of required groups definition."
   Type      = String(1024)
   Access    = Read-Only
   Value      = "Managed IHV Network Adapter DMI 2.0 Conformance Test"
  End Attribute

  Start Attribute
    ID        = 2
   Name       = "Compliance Test Description"
   Description = "Description of the Compliance Test"
   Type      = String(1000)
   Access     = Read-Only
      Value      = "Checks for minimum set of required groups as defined by the"
        "DMI 2.0 Conformance Specification."
   End Attribute
End Group

Start Group
  Name       = "Managed Systems Conformance"
  Class      = "DMTF|Managed Systems Conformance|001"
  Description = "Table defining the Groups needed for a system to be"
   " considered conformant with the DMI 2.0 Conformance Specification."
  Key        = 1
  Start Attribute
   ID        = 1
   Name       = "Class String"
   Description = "Class String of required Group"
   Type       = String(1024)
    Access    = Read-Only
  End Attribute
  Start Attribute
   ID        = 2
   Name       = "Properties"
   Description  = "Describes the properties of this current class string"
   Type    = Start Enum
    0 = "Generic"
    1 = "Replacement Group"
    2 = "Obsolete Group w/ replacement group"
    3 = "Obsolete Group w/out replacement group"
   End Enum
   Access = Read-Only
  End Attribute
  Start Attribute
   ID        = 3
   Name       = "Grouping ID"
   Description = "ID that ties a set of Standard Groups logically together"
```

```
   Type      =  Start Enum
     0 = "Generic"
     1 = "Group 1"
     2 = "Group 2"
    End Enum
    Access  = Read-Only
   End Attribute
   Start Attribute
    ID        =  4
    Name      =  "Attribute Spec Group ID"
    Description =  "Group ID of table that defines Attribute Specification"
    Type      =  Integer
    Access    = Read-Only
   End Attribute
  End Group

Start Table
    Name  = "IHV LAN Adpater DMI 2.0 Conformance Required Groups"
    ID    = 100
    Class = "DMTF|Managed Systems Conformance|001"

    {"DMTF|Network Adapter 802 Port|001"      ,0, 0, 0}
    {"DMTF|Network Adapter Driver|001"        ,0, 0, 0}

  End Table
End Component
```

Appendix H – IHV Video Adapter Compliant Baseline Required Group File (VidAdap.REQ)

```
Language = "en|US|iso8859-1"
Start Component
  Name  = "Managed IHV Video Adapter DMI 2.0 Baseline Conformance Test"
  Description = "This component defines the Required Groups for "
       "IHV Video Adapter DMI 2.0 Baseline conformance"

 Start Group
   Name  = "ComponentID Group"
   Class = "DMTF|ComponentID|001"
   ID  = 1
   Description = "Component ID group in single key test component"
   Start Attribute
    Name  = "Manufacturer"
     ID     = 1
     Type   = String (40)
     Access = Read-Only
     Value  = ""
   End Attribute
   Start Attribute
    Name = "Product"
     ID   = 2
     Description = "Product name for this component."
     Type    = String(64)
     Access  = Read-Only
     Storage = Common
```

```
     Value  = "Managed Systems Conformance Specification REQ"
   End Attribute
   Start Attribute
    Name  = "Version"
    ID    = 3
    Description = "Version number of this component."
    Type  = String(64)
    Access = Read-Only
    Storage= Common
    Value  = "1.0"
   End Attribute
   Start Attribute
    Name  = "Installation"
    ID    = 5
    Description = "The time and date of the last install of this component."
    Type  = Date
    Access = Read-Only
    Storage= Specific
    Value  = ""
   End Attribute
  End Group

 Start Group
  Name  = "Required Groups Test Identification Group"
  Class = "DMTF|Conformance Test|001"
  ID    = 2
  Description = "This Group Defines the required groups definition described by this component."

  Start Attribute
   ID        = 1
    Name      = "REQ Test Name"
  Description = "Name of required groups definition."
    Type      = String(1024)
    Access    = Read-Only
    Value     = "Managed IHV Video Adapter DMI 2.0 Conformance Test"
   End Attribute
   Start Attribute
    ID        = 2
    Name      = "Compliance Test Description"
    Description = "Description of the Compliance Test"
    Type      = String(1000)
    Access    = Read-Only
    Value     = "Checks for minimum set of required groups as defined by the"
    "DMI 2.0 Conformance Specification."
   End Attribute
  End Group

 Start Group
  Name      = "Managed Systems Conformance"
  Class     = "DMTF|Managed Systems Conformance|001"
  Description = "Table defining the Groups needed for a system to be"
   " considered conformant with the DMI 2.0 Conformance Specification."
  Key       = 1
  Start Attribute
   ID        = 1
   Name      = "Class String"
   Description = "Class String of required Group"
   Type      = String(1024)
   Access    = Read-Only
  End Attribute
```

```
   Start Attribute
    ID        = 2
    Name        = "Properties"
    Description  = "Describes the properties of this current class string"
    Type    = Start Enum
     0 = "Generic"
     1 = "Replacement Group"
     2 = "Obsolete Group w/ replacement group"
     3 = "Obsolete Group w/out replacement group"
    End Enum
    Access = Read-Only
   End Attribute
   Start Attribute
    ID        = 3
    Name        = "Grouping ID"
    Description =  "ID that ties a set of Standard Groups logically together"
    Type        =  Start Enum
     0 = "Generic"
     1 = "Group 1"
     2 = "Group 2"
     End Enum
    Access  = Read-Only
   End Attribute
   Start Attribute
    ID        = 4
    Name        = "Attribute Spec Group ID"
    Description =  "Group ID of table that defines Attribute Specification"
    Type      =  Integer
    Access     = Read-Only
   End Attribute
 End Group

 Start Table
   Name  = "IHV Video Adapter DMI 2.0 Conformance Required Groups"
   ID    = 100
   Class = "DMTF|Managed Systems Conformance|001"

   {"DMTF|Video BIOS|001"      ,0, 0, 0}
   {"DMTF|Video|002"            ,0, 0, 0}

 End Table
End Component
```