IPv6 Ready Logo

Phase-1/2 Interoperability Test Scenario
Core Protocols

Appendix A

Technical Document

Revision 4.0.1

IPv6 Forum *http://www.ipv6forum.org/*

IPv6 Ready Logo Committee *http://www.ipv6ready.org/*

MODIFICATION RECORD

Version 4.0.1 Mar. 11, 2009
- Add complete lists to describe files needed to submit at Section 1.3

Version 4.0.0 May 28, 2008
- Major Version Up
- Add an example of topology figure as Fig. 2
- Add vendor name in Topology Map
- Use the same format between host and router in Test Result Table
- Update Data file name syntax
  - Add Test IPInterop.1.2 Part C through F
- Update Data file name syntax
  - Divide Test IPInterop.1.4 into Part A and B
  - Correct the step number at Test IPInterop.1.6
  - Remove Test IPInterop.1.7

Version 1.9 Feb. 12, 2008
- Merge with Phase-1
- Use RFC 3849 IPv6 address prefixes
- Update filename syntax
- Update filename example

Version 1.8 May 12, 2005
- Support short file name syntax
- Remove info file description
- Describe sample in detail

Version 1.7 Jan. 05, 2005
- Command log is required for all case

Version 1.6 Nov. 18, 2004
- add address list description

Version 1.5 Nov. 17, 2004
- Clarified sections 1.1.A and 1.1.D

Version 1.4 Nov. 12, 2004
- Add clarification based on comments

Version 1.3 Nov. 09, 2004
- Clarify results format

Version 1.1 Nov. 04, 2004
- Improving the description

Version 1.0 Oct. 08, 2004
- Initial version.

TABLE OF CONTENTS

MODIFICATION RECORD 1
TABLE OF CONTENTS 2
1. Required Data for IPv6 Ready Logo Phase-1/2 3
1.1. Test Data 4
A) Topology Map (Required) 4
B) Command Log (Required) 6
C) Packet Capture File (Required) 6
D) Test Result Table (Required) 6
1.2. Data file name syntax 8
A) Topology Map (Required) 8
B) Command Log (Required) 8
C) Packet Capture File (Required) 11
D) Test Result Table (Required) 11
1.3. Data Archive 13
A) File List for Phase-1 Host and Special Device 13
B) File List for Phase-1 Router 14
C) File List for Phase-2 Host 16
D) File List for Phase-2 Router 20
1.4. Network Traffic Application 25

1. Required Data for IPv6 Ready Logo Phase-1/2

To obtain the IPv6 Ready Logo Phase-1/2, you need to send application with the test results attached.
The test results must include both Protocol Operations and Interoperability.
In this document, the **"Interoperability test"** result documentation is described.

There are currently two viable alternatives to obtain an interoperability results.

- Lab Test: Test results observed at a lab that is recognized by the IPv6 Ready Logo Committee.
- Self Test: Test results observed by the applicant company in their laboratory.

1.1. Test Data

As "IPv6 Ready Logo Phase-1/2" the following interoperability test result data are required.

A) Topology Map (Required)

Network topology figures or address list for each topology, with IPv6 addresses and MAC address of each attached interfaces, are required.

Fig. 1 and Fig. 2 are examples of topology figure.

Fig. 3 is an example of address list.

All IP addresses which are used during the test must be declared.

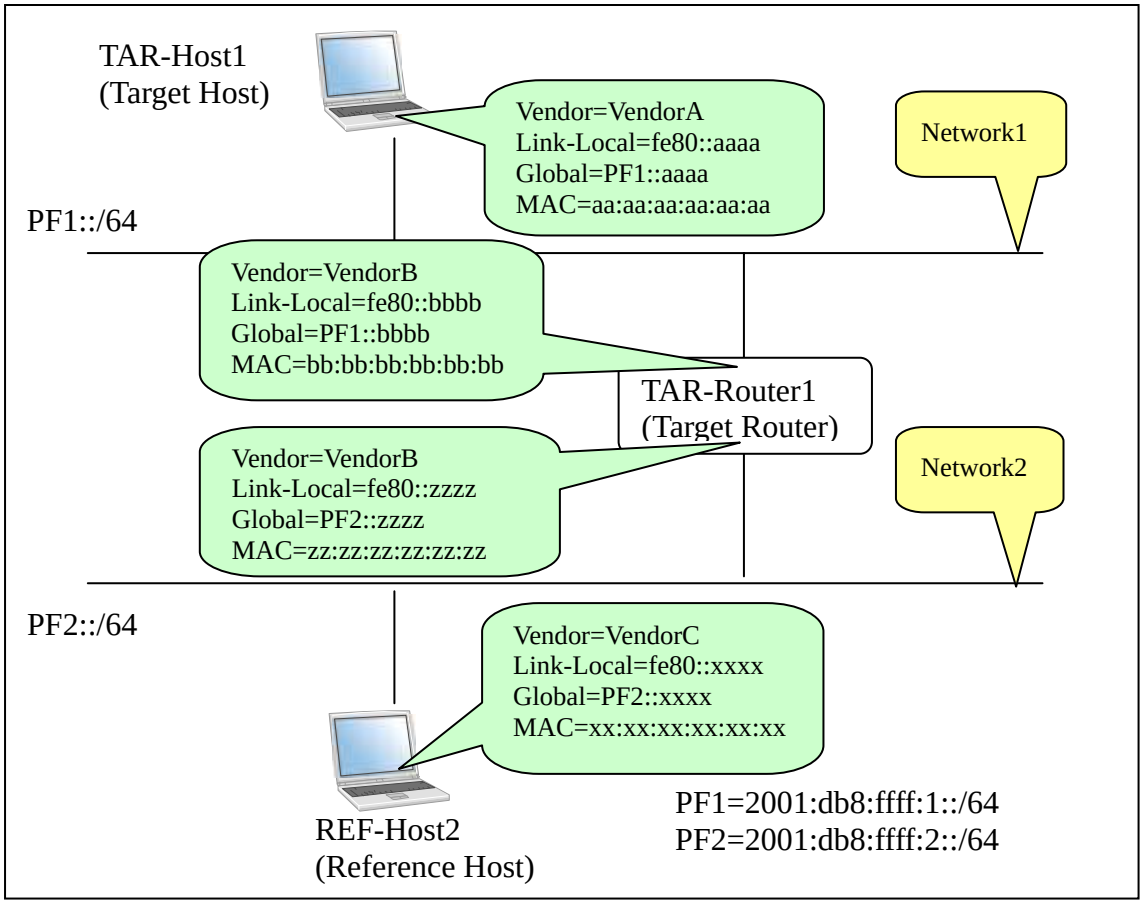

Fig. 1 Topology figure example 1

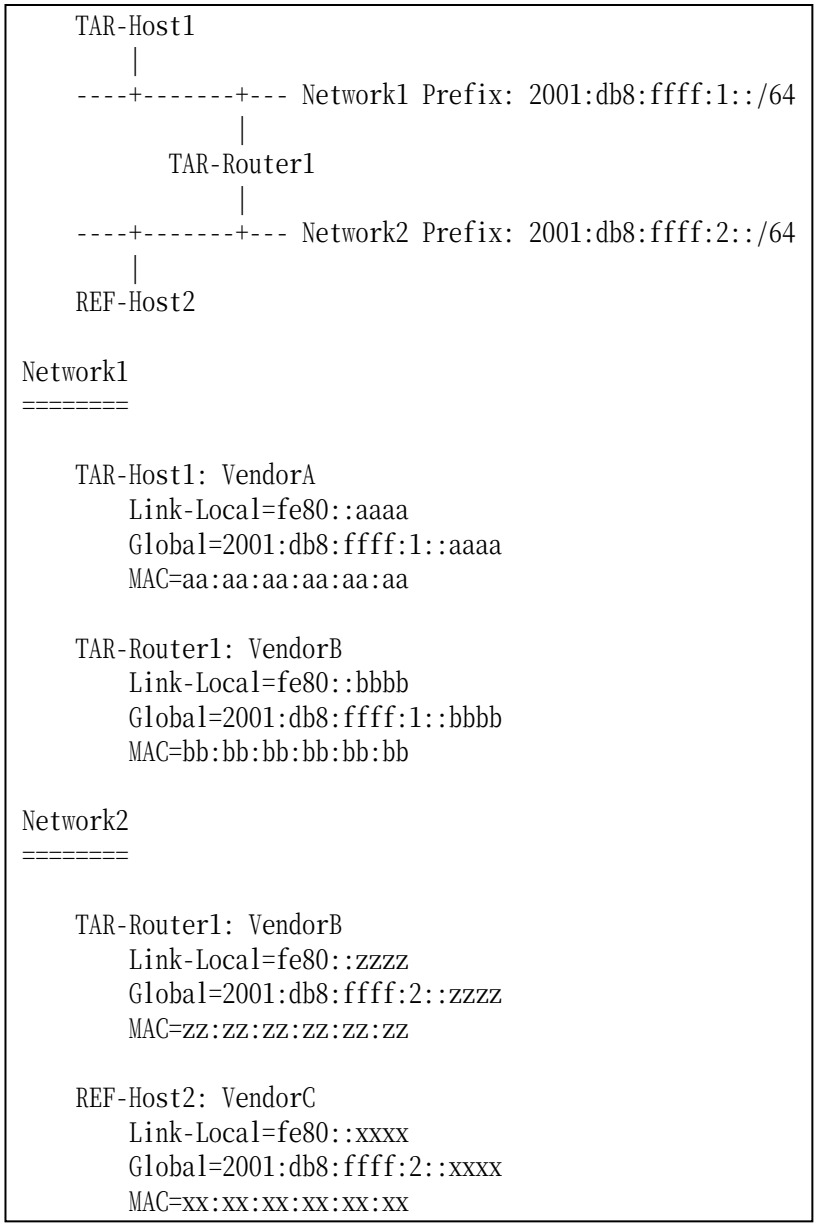

Fig. 2 Topology figure example 2

```
TAR-Host1:
          Vendor=VendorA
          Link-Local=fe80::aaaa
          Global=PF1::aaaa
          MAC=aa:aa:aa:aa:aa:aa
TAR-Router1 [Network1]:
          Vendor=VendorB
          Link-Local=fe80::bbbb
          Global=PF1::bbbb
          MAC=bb:bb:bb:bb:bb:bb
TAR-Router1 [Network2]:
          Vendor=VendorB
          Link-Local=fe80::zzzz
          Global=PF2::zzzz
          MAC=zz:zz:zz:zz:zz:zz
REF-Host2:
          Vendor=VendorC
          Link-Local=fe80::xxxx
          Global=PF2::xxxx
          MAC=xx:xx:xx:xx:xx:xx

       PF1=2001:db8:ffff:1::/64
       PF2=2001:db8:ffff:2::/64
```

Fig. 3 Address List example

B) Command Log (Required)

Save the command files for each test on each node.

C) Packet Capture File (Required)

Capture all packets on each link during the test with a device that is not part of the test.

For each part of test put the captured packet into individual files within tcpdump (pcap) format, or readable HTML format.

If you run tcpdump, please specify packet size as 4096.

e.g.,) tcpdump -i if0 -s 4096 -w 1.1.A.VendorA.VendorB.Network1.dump

D) Test Result Table (Required)

Collect all test result tables in a file and fill the tables as required. This file must contain a table where all passes are clearly marked.

1.2. Data file name syntax

Please use following syntax in the file name.

A) Topology Map (Required)

Syntax: *Chapter.Parts.ON.topology*

For "ON", use the vendor name of the Node which behaved as a Opposite side target Node (ON).

e.g.,)

If your device is a host, the name should be like following.

ON: Host [vendor: VendorA, model: rHost1, version: 1.0]

ON: Router [vendor: VendorC, model: rRouter1, version: 3.0]

1.1.ABC.VendorA.topology

1.1.DEF.VendorC.topology

If your device is a router, the name should be like following.

ON: Host [vendor: VendorA, model: rHost1, version: 1.0]

ON: Router [vendor: VendorC, model: rRouter1, version: 3.0]

1.1.DEF.VendorA.topology

1.1.GHI.VendorC.topology

B) Command Log (Required)

Syntax: *Chapter.Section.Part.SRC.DSTs.result*

For "SRC", use the vendor name of the node on which the commands were run.

If "SRC" is a Reference Host, just specify as REF as "SRC".

For "DSTs", use the vendor name of the node to which the commands were run, in other word, destination of ping command.

If the "DSTs" is specific address (like multicast), you should list the vendor names of Target Devices excluding the device on which the

command was run.

When you list the Target devices as "DSTs", you need to care the order.

For more detail about order, please refer the examples below.

e.g.,)

Typical Naming sample are hereafter.

TAR-Host1: Host [vendor: VendorA, model: rHost1, version: 1.0]

TAR-Host2: Host [vendor: VendorB, model: rHost2, version: 2.0]

TAR-Router1: Router [vendor: VendorC, model: rRouter1, version: 3.0]

TAR-Router2: Router [vendor: VendorD, model: rRouter2, version: 4.0]

1.1. ICMP Echo Interoperability

1.1.A.VendorA.VendorB.result (for step 1-2)

1.1.A.VendorB.VendorA.result (for step 3-4)

1.1.B.VendorA.VendorB.result (for step 5-6)

1.1.B.VendorB.VendorA.result (for step 7-8)

1.1.C.VendorA.VendorB.result (from VendorA to ff02::1)

1.1.C.VendorB.VendorA.result (from VendorB to ff02::1)

1.1.D.VendorA.VendorC.result (for step 14-15)

1.1.D.VendorC.VendorA.result (for step 16-17)

1.1.E.VendorA.VendorC.result (for step 18-19)

1.1.E.VendorC.VendorA.result (for step 20-21)

1.1.F.VendorA.VendorC.result (from VendorA to ff02::1, ff02::2)

1.1.F.VendorC.VendorA.result (from VendorC to ff02::1, ff02::2)

1.1.G.VendorC.VendorD.result (for step 27-28)

1.1.G.VendorD.VendorC.result (for step 29-30)

1.1.H.VendorC.VendorD.result (for step 31-32)

1.1.H.VendorD.VendorC.result (for step 33-34)

1.1.I.VendorC.VendorD.result (from VendorC to ff02::1, ff02::2)

1.1.I.VendorD.VendorC.result (from VendorD to ff02::1, ff02::2)

1.2. Address Autoconfiguration and Duplicate Address Detection

In part B, D and F please list both Target Devices,

and use the booting order as listing order of "DSTs" devices.

1.2.A.REF.VendorA.result

1.2.A.REF.VendorB.result

1.2.B.REF.VendorB.VendorA.result (for step 8-13)

1.2.B.REF.VendorA.VendorB.result (for step 14-19)

1.2.C.REF.VendorA.result

1.2.C.REF.VendorC.result

1.2.D.REF.VendorC.VendorA.result (for step 27-32)

1.2.D.REF.VendorA.VendorC.result (for step 33-38)

1.2.E.REF.VendorC.result

1.2.E.REF.VendorD.result

1.2.F.REF.VendorD.VendorC.result (for step 46-51)

1.2.F.REF.VendorC.VendorD.result (for step 52-57)

1.3. Processing Router Advertisements-Prefix Discovery

1.3.A.REF.VendorA.result

1.3.B.REF.VendorA.result

1.3.C.REF.VendorA.result

1.4. Processing Router Advertisements-Router Lifetime

1.4.A.REF.VendorA.result

1.4.B.REF.VendorA.result

1.5. Redirect Function

1.5.REF.VendorA.result

1.6. Path MTU Discovery and Fragmentation

1.6.A.REF.VendorA.result

1.6.B.REF.VendorC.result

1.6.C.VendorA.VendorB.result (for step 15-16, 19-20)

1.6.C.VendorB.VendorA.result (for step 17-18, 21-22)

1.6.D.VendorC.VendorA.result (for step 24-25)

1.6.D.VendorA.VendorC.result (for step 26-27)

1.6.E.VendorC.VendorD.result (for step 29-30)

1.6.E.VendorD.VendorC.result (for step 31-32)

C) Packet Capture File (Required)

Syntax: *Chapter.Section.Part.Target_Node.Target_Node.Link.dump*

For "*Link*", use the captured link name.

For "*Target_Node*", use Vendor Name of Target Device. Vendor name for Host must be prior to the Vendor name of Router.

e.g.,)

1.1. ICMP Echo Interoperability

1.1.A.VendorA.VendorB.Network1.dump

1.2. Address Autoconfiguration and Duplicate Address Detection

1.2.A.VendorA.VendorB.Network1.dump

D) Test Result Table (Required)

Syntax: *Target_Node.table*

In this file you should make table for each part.

Your device can be described hereafter as a sample whether it is a host or a router.

TargetNode: Node [vendor: VendorX, model: rNode1, version: 1.0]

For Host vs. Host tests, following table is required.

	VendorA	VendorB
VendorX		

For Host vs. Router tests, following table is required. (If your device is a Host)

	VendorC	VendorD
VendorX		

For Host vs. Router tests, following table is required. (If your device is a Router)

	VendorA	VendorB
VendorX		

For Router vs. Router tests, following table is required.

	VendorC	VendorD
VendorX		

e.g.,)

Test result of following host.

TAR-Host1: Host [vendor: VendorX, model: rHost1, version: 1.0]

or

Test result of following router.

TAR-Router1: Host [vendor: VendorX, model: rRouter1, version: 1.0]

VendorX.table

1.3. Data Archive

Please organize your data as following directory structure.

```
${Your_Device_ver}/
        Conformance/
        Interoperability/
```

Put all interoperability data file in "Interoperability" directory.

Put all Conformance Self-Test results or Conformance Lab test results

in "Conformance" directory.

Make a tar.gz format archive file, and put files under "${Your_Device_ver}" in it.

A) File List for Phase-1 Host and Special Device

Complete file list for Phase-1 Host and Special Device is described below.

Your device:	VendorX (Host or Special Device)
Counterpart Host 1:	VendorA
Counterpart Host 2:	VendorB
Counterpart Router 1:	VendorC
Counterpart Router 2:	VendorD

```
${Your_Device_ver}/
 | Conformance/
 | Interoperability/
 |   | HOST.VendorA/
 |   |   | Results/
 |   |   |   | 1.1.A/
 |   |   |   |   | 1.1.A.VendorX.VendorA.result
 |   |   |   |   | 1.1.A.VendorA.VendorX.result
 |   |   |   |   | 1.1.A.VendorX.VendorA.Network1.dump
 |   |   |   | 1.1.B/
 |   |   |   |   | 1.1.B.VendorX.VendorA.result
 |   |   |   |   | 1.1.B.VendorA.VendorX.result
 |   |   |   |   | 1.1.B.VendorX.VendorA.Network1.dump
 |   |   | Topology/
 |   |   |   | 1.1.AB.VendorA.topology
 |   | HOST.VendorB/
 |   |   | Results/
 |   |   |   | 1.1.A/
```

```
|   |   |   |   | 1.1.A.VendorX.VendorB.result
|   |   |   |   | 1.1.A.VendorB.VendorX.result
|   |   |   |   | 1.1.A.VendorX.VendorB.Network1.dump
|   |   |   | 1.1.B/
|   |   |   |   | 1.1.B.VendorX.VendorB.result
|   |   |   |   | 1.1.B.VendorB.VendorX.result
|   |   |   |   | 1.1.B.VendorX.VendorB.Network1.dump
|   |   | Topology/
|   |   |   | 1.1.AB.VendorB.topology
|   | ROUTER.VendorC/
|   |   | Results/
|   |   |   | 1.1.D/
|   |   |   |   | 1.1.D.VendorX.VendorC.result
|   |   |   |   | 1.1.D.VendorC.VendorX.result
|   |   |   |   | 1.1.D.VendorX.VendorC.Network1.dump
|   |   |   | 1.1.E/
|   |   |   |   | 1.1.E.VendorX.VendorC.result
|   |   |   |   | 1.1.E.VendorC.VendorX.result
|   |   |   |   | 1.1.E.VendorX.VendorC.Network1.dump
|   |   |   | 1.4.A/
|   |   |   |   | 1.4.A.REF.VendorX.result
|   |   |   |   | 1.4.A.VendorX.VendorC.Network1.dump
|   |   |   |   | 1.4.A.VendorX.VendorC.Network2.dump
|   |   | Topology/
|   |   |   | 1.1.DE.VendorC.topology
|   |   |   | 1.4.A.VendorC.topology
|   | ROUTER.VendorD/
|   |   | Results/
|   |   |   | 1.1.D/
|   |   |   |   | 1.1.D.VendorX.VendorD.result
|   |   |   |   | 1.1.D.VendorD.VendorX.result
|   |   |   |   | 1.1.D.VendorX.VendorD.Network1.dump
|   |   |   | 1.1.E/
|   |   |   |   | 1.1.E.VendorX.VendorD.result
|   |   |   |   | 1.1.E.VendorD.VendorX.result
|   |   |   |   | 1.1.E.VendorX.VendorD.Network1.dump
|   |   |   | 1.4.A/
|   |   |   |   | 1.4.A.REF.VendorX.result
|   |   |   |   | 1.4.A.VendorX.VendorD.Network1.dump
|   |   |   |   | 1.4.A.VendorX.VendorD.Network2.dump
|   |   | Topology/
|   |   |   | 1.1.DE.VendorD.topology
|   |   | 1.4.A.VendorD.topology
|   | VendorX.table
```

B) File List for Phase-1 Router

Complete file list for Phase-1 Router is described below.

Your device:	VendorX (Router)
Counterpart Host 1:	VendorA
Counterpart Host 2:	VendorB
Counterpart Router 1:	VendorC
Counterpart Router 2:	VendorD

```
${Your_Device_ver}/
 | Conformance/
 | Interoperability/
 |   | HOST.VendorA/
 |   |   | Results/
 |   |   |   | 1.1.D/
 |   |   |   |   | 1.1.D.VendorA.VendorX.result
 |   |   |   |   | 1.1.D.VendorX.VendorA.result
 |   |   |   |   | 1.1.D.VendorA.VendorX.Network1.dump
 |   |   |   | 1.1.E/
 |   |   |   |   | 1.1.E.VendorA.VendorX.result
 |   |   |   |   | 1.1.E.VendorX.VendorA.result
 |   |   |   |   | 1.1.E.VendorA.VendorX.Network1.dump
 |   |   |   | 1.4.A/
 |   |   |   |   | 1.4.A.REF.VendorA.result
 |   |   |   |   | 1.4.A.VendorA.VendorX.Network1.dump
 |   |   |   |   | 1.4.A.VendorA.VendorX.Network2.dump
 |   |   | Topology/
 |   |   |   | 1.1.DE.VendorA.topology
 |   |   |   | 1.4.A.VendorA.topology
 |   | HOST.VendorB/
 |   |   | Results/
 |   |   |   | 1.1.D/
 |   |   |   |   | 1.1.D.VendorX.VendorB.result
 |   |   |   |   | 1.1.D.VendorB.VendorX.result
 |   |   |   |   | 1.1.D.VendorB.VendorX.Network1.dump
 |   |   |   | 1.1.E/
 |   |   |   |   | 1.1.E.VendorX.VendorB.result
 |   |   |   |   | 1.1.E.VendorB.VendorX.result
 |   |   |   |   | 1.1.E.VendorB.VendorX.Network1.dump
 |   |   |   | 1.4.A/
 |   |   |   |   | 1.4.A.REF.VendorB.result
 |   |   |   |   | 1.4.A.VendorB.VendorX.Network1.dump
 |   |   |   |   | 1.4.A.VendorB.VendorX.Network2.dump
 |   |   | Topology/
 |   |   |   | 1.1.DE.VendorB.topology
 |   |   |   | 1.4.A.VendorB.topology
 |   | ROUTER.VendorC/
 |   |   | Results/
```

```
|  |  |  | 1.1.G/
|  |  |  |  | 1.1.G.VendorX.VendorC.result
|  |  |  |  | 1.1.G.VendorC.VendorX.result
|  |  |  |  | 1.1.G.VendorX.VendorC.Network1.dump
|  |  |  | 1.1.H/
|  |  |  |  | 1.1.H.VendorX.VendorC.result
|  |  |  |  | 1.1.H.VendorC.VendorX.result
|  |  |  |  | 1.1.H.VendorX.VendorC.Network1.dump
|  |  | Topology/
|  |  |  | 1.1.GH.VendorC.topology
|  | ROUTER.VendorD/
|  |  | Results/
|  |  |  | 1.1.G/
|  |  |  |  | 1.1.G.VendorX.VendorD.result
|  |  |  |  | 1.1.G.VendorD.VendorX.result
|  |  |  |  | 1.1.G.VendorX.VendorD.Network1.dump
|  |  |  | 1.1.H/
|  |  |  |  | 1.1.H.VendorX.VendorD.result
|  |  |  |  | 1.1.H.VendorD.VendorX.result
|  |  |  |  | 1.1.H.VendorX.VendorD.Network1.dump
|  |  | Topology/
|  |  |  | 1.1.GH.VendorD.topology
|  | VendorX.table
```

C) File List for Phase-2 Host

Complete file list for Phase-2 Host is described below.

Your device:	VendorX (Host)
Counterpart Host 1:	VendorA
Counterpart Host 2:	VendorB
Counterpart Router 1:	VendorC
Counterpart Router 2:	VendorD

```
${Your_Device_ver}/
 | Conformance/
 | Interoperability/
 |  | HOST.VendorA/
 |  |  | Results/
 |  |  |  | 1.1.A/
 |  |  |  |  | 1.1.A.VendorX.VendorA.result
 |  |  |  |  | 1.1.A.VendorA.VendorX.result
 |  |  |  |  | 1.1.A.VendorX.VendorA.Network1.dump
 |  |  |  | 1.1.B/
 |  |  |  |  | 1.1.B.VendorX.VendorA.result
 |  |  |  |  | 1.1.B.VendorA.VendorX.result
```

```
|   |   |   |   | 1.1.B.VendorX.VendorA.Network1.dump
|   |   |   | 1.1.C/
|   |   |   |   | 1.1.C.VendorX.VendorA.result
|   |   |   |   | 1.1.C.VendorA.VendorX.result
|   |   |   |   | 1.1.C.VendorX.VendorA.Network1.dump
|   |   |   | 1.2.A/
|   |   |   |   | 1.2.A.REF.VendorX.result
|   |   |   |   | 1.2.A.REF.VendorA.result
|   |   |   |   | 1.2.A.VendorX.VendorA.Network1.dump
|   |   |   | 1.2.B/
|   |   |   |   | 1.2.B.REF.VendorX.VendorA.result
|   |   |   |   | 1.2.B.REF.VendorA.VendorX.result
|   |   |   |   | 1.2.B.VendorX.VendorA.Network1.dump
|   |   |   | 1.6.C/
|   |   |   |   | 1.6.C.VendorX.VendorA.result
|   |   |   |   | 1.6.C.VendorA.VendorX.result
|   |   |   |   | 1.6.C.VendorX.VendorA.Network1.dump
|   |   | Topology/
|   |   |   | 1.1.ABC.VendorA.topology
|   |   |   | 1.2.AB.VendorA.topology
|   |   |   | 1.6.C.VendorA.topology
|   | HOST.VendorB/
|   |   | Results/
|   |   |   | 1.1.A/
|   |   |   |   | 1.1.A.VendorX.VendorB.result
|   |   |   |   | 1.1.A.VendorB.VendorX.result
|   |   |   |   | 1.1.A.VendorX.VendorB.Network1.dump
|   |   |   | 1.1.B/
|   |   |   |   | 1.1.B.VendorX.VendorB.result
|   |   |   |   | 1.1.B.VendorB.VendorX.result
|   |   |   |   | 1.1.B.VendorX.VendorB.Network1.dump
|   |   |   | 1.1.C/
|   |   |   |   | 1.1.C.VendorX.VendorB.result
|   |   |   |   | 1.1.C.VendorB.VendorX.result
|   |   |   |   | 1.1.C.VendorX.VendorB.Network1.dump
|   |   |   | 1.2.A/
|   |   |   |   | 1.2.A.REF.VendorX.result
|   |   |   |   | 1.2.A.REF.VendorB.result
|   |   |   |   | 1.2.A.VendorX.VendorB.Network1.dump
|   |   |   | 1.2.B/
|   |   |   |   | 1.2.B.REF.VendorX.VendorB.result
|   |   |   |   | 1.2.B.REF.VendorB.VendorX.result
|   |   |   |   | 1.2.B.VendorX.VendorB.Network1.dump
|   |   |   | 1.6.C/
|   |   |   |   | 1.6.C.VendorX.VendorB.result
|   |   |   |   | 1.6.C.VendorB.VendorX.result
|   |   |   |   | 1.6.C.VendorX.VendorB.Network1.dump
|   |   | Topology/
|   |   |   | 1.1.ABC.VendorB.topology
```

```
|   |   |   | 1.2.AB.VendorB.topology
|   |   |   | 1.6.C.VendorB.topology
|   | ROUTER.VendorC/
|   |   | Results/
|   |   |   | 1.1.D/
|   |   |   |   | 1.1.D.VendorX.VendorC.result
|   |   |   |   | 1.1.D.VendorC.VendorX.result
|   |   |   |   | 1.1.D.VendorX.VendorC.Network1.dump
|   |   |   | 1.1.E/
|   |   |   |   | 1.1.E.VendorX.VendorC.result
|   |   |   |   | 1.1.E.VendorC.VendorX.result
|   |   |   |   | 1.1.E.VendorX.VendorC.Network1.dump
|   |   |   | 1.1.F/
|   |   |   |   | 1.1.F.VendorX.VendorC.result
|   |   |   |   | 1.1.F.VendorC.VendorX.result
|   |   |   |   | 1.1.F.VendorX.VendorC.Network1.dump
|   |   |   | 1.2.C/
|   |   |   |   | 1.2.C.REF.VendorX.result
|   |   |   |   | 1.2.C.REF.VendorC.result
|   |   |   |   | 1.2.C.VendorX.VendorC.Network1.dump
|   |   |   | 1.2.D/
|   |   |   |   | 1.2.D.REF.VendorX.VendorC.result
|   |   |   |   | 1.2.D.REF.VendorC.VendorX.result
|   |   |   |   | 1.2.D.VendorX.VendorC.Network1.dump
|   |   |   | 1.3.A/
|   |   |   |   | 1.3.A.REF.VendorX.result
|   |   |   |   | 1.3.A.VendorX.VendorC.Network1.dump
|   |   |   | 1.3.B/
|   |   |   |   | 1.3.B.REF.VendorX.result
|   |   |   |   | 1.3.B.VendorX.VendorC.Network1.dump
|   |   |   | 1.3.C/
|   |   |   |   | 1.3.C.REF.VendorX.result
|   |   |   |   | 1.3.C.VendorX.VendorC.Network1.dump
|   |   |   | 1.4.A/
|   |   |   |   | 1.4.A.REF.VendorX.result
|   |   |   |   | 1.4.A.VendorX.VendorC.Network1.dump
|   |   |   |   | 1.4.A.VendorX.VendorC.Network2.dump
|   |   |   | 1.4.B/
|   |   |   |   | 1.4.B.REF.VendorX.result
|   |   |   |   | 1.4.B.VendorX.VendorC.Network1.dump
|   |   |   |   | 1.4.B.VendorX.VendorC.Network2.dump
|   |   |   | 1.5/
|   |   |   |   | 1.5.REF.VendorX.result
|   |   |   |   | 1.5.VendorX.VendorC.Network1.dump
|   |   |   |   | 1.5.VendorX.VendorC.Network2.dump
|   |   |   | 1.6.A/
|   |   |   |   | 1.6.A.REF.VendorX.result
|   |   |   |   | 1.6.A.VendorX.VendorC.Network1.dump
|   |   |   |   | 1.6.A.VendorX.VendorC.Network2.dump
```

```
|   |   |   | 1.6.D/
|   |   |   |   | 1.6.D.VendorX.VendorC.result
|   |   |   |   | 1.6.D.VendorC.VendorX.result
|   |   |   |   | 1.6.D.VendorX.VendorC.Network1.dump
|   |   |   |   | 1.6.D.VendorX.VendorC.Network2.dump
|   |   |   |   | 1.6.D.VendorX.VendorC.Network3.dump
|   |   | Topology/
|   |   |   | 1.1.DEF.VendorC.topology
|   |   |   | 1.2.CD.VendorC.topology
|   |   |   | 1.3.AC.VendorC.topology
|   |   |   | 1.3.B.VendorC.topology
|   |   |   | 1.4.AB.VendorC.topology
|   |   |   | 1.5.VendorC.topology
|   |   |   | 1.6.A.VendorC.topology
|   |   |   | 1.6.D.VendorC.topology
|   | ROUTER.VendorD/
|   |   | Results/
|   |   |   | 1.1.D/
|   |   |   |   | 1.1.D.VendorX.VendorD.result
|   |   |   |   | 1.1.D.VendorD.VendorX.result
|   |   |   |   | 1.1.D.VendorX.VendorD.Network1.dump
|   |   |   | 1.1.E/
|   |   |   |   | 1.1.E.VendorX.VendorD.result
|   |   |   |   | 1.1.E.VendorD.VendorX.result
|   |   |   |   | 1.1.E.VendorX.VendorD.Network1.dump
|   |   |   | 1.1.F/
|   |   |   |   | 1.1.F.VendorX.VendorD.result
|   |   |   |   | 1.1.F.VendorD.VendorX.result
|   |   |   |   | 1.1.F.VendorX.VendorD.Network1.dump
|   |   |   | 1.2.C/
|   |   |   |   | 1.2.C.REF.VendorX.result
|   |   |   |   | 1.2.C.REF.VendorD.result
|   |   |   |   | 1.2.C.VendorX.VendorD.Network1.dump
|   |   |   | 1.2.D/
|   |   |   |   | 1.2.D.REF.VendorX.VendorD.result
|   |   |   |   | 1.2.D.REF.VendorD.VendorX.result
|   |   |   |   | 1.2.D.VendorX.VendorD.Network1.dump
|   |   |   | 1.3.A/
|   |   |   |   | 1.3.A.REF.VendorX.result
|   |   |   |   | 1.3.A.VendorX.VendorD.Network1.dump
|   |   |   | 1.3.B/
|   |   |   |   | 1.3.B.REF.VendorX.result
|   |   |   |   | 1.3.B.VendorX.VendorD.Network1.dump
|   |   |   | 1.3.C/
|   |   |   |   | 1.3.C.REF.VendorX.result
|   |   |   |   | 1.3.C.VendorX.VendorD.Network1.dump
|   |   |   | 1.4.A/
|   |   |   |   | 1.4.A.REF.VendorX.result
|   |   |   |   | 1.4.A.VendorX.VendorD.Network1.dump
```

```
|  |  |  |  | 1.4.A.VendorX.VendorD.Network2.dump
|  |  |  | 1.4.B/
|  |  |  |  | 1.4.B.REF.VendorX.result
|  |  |  |  | 1.4.B.VendorX.VendorD.Network1.dump
|  |  |  |  | 1.4.B.VendorX.VendorD.Network2.dump
|  |  |  | 1.5/
|  |  |  |  | 1.5.REF.VendorX.result
|  |  |  |  | 1.5.VendorX.VendorD.Network1.dump
|  |  |  |  | 1.5.VendorX.VendorD.Network2.dump
|  |  |  | 1.6.A/
|  |  |  |  | 1.6.A.REF.VendorX.result
|  |  |  |  | 1.6.A.VendorX.VendorD.Network1.dump
|  |  |  |  | 1.6.A.VendorX.VendorD.Network2.dump
|  |  |  | 1.6.D/
|  |  |  |  | 1.6.D.VendorX.VendorD.result
|  |  |  |  | 1.6.D.VendorD.VendorX.result
|  |  |  |  | 1.6.D.VendorX.VendorD.Network1.dump
|  |  |  |  | 1.6.D.VendorX.VendorD.Network2.dump
|  |  |  |  | 1.6.D.VendorX.VendorD.Network3.dump
|  |  | Topology/
|  |  |  | 1.1.DEF.VendorD.topology
|  |  |  | 1.2.CD.VendorD.topology
|  |  |  | 1.3.AC.VendorD.topology
|  |  |  | 1.3.B.VendorD.topology
|  |  |  | 1.4.AB.VendorD.topology
|  |  |  | 1.5.VendorD.topology
|  |  |  | 1.6.A.VendorD.topology
|  |  |  | 1.6.D.VendorD.topology
|  | VendorX.table
```

D) File List for Phase-2 Router

Complete file list for Phase-2 Router is described below.

Your device:	VendorX (Router)
Counterpart Host 1:	VendorA
Counterpart Host 2:	VendorB
Counterpart Router 1:	VendorC
Counterpart Router 2:	VendorD

```
${Your_Device_ver}/
 | Conformance/
 | Interoperability/
 |  | HOST.VendorA/
 |  |  | Results/
 |  |  |  | 1.1.D/
```

```
|   |   |   |   | 1.1.D.VendorA.VendorX.result
|   |   |   |   | 1.1.D.VendorX.VendorA.result
|   |   |   |   | 1.1.D.VendorA.VendorX.Network1.dump
|   |   |   | 1.1.E/
|   |   |   |   | 1.1.E.VendorA.VendorX.result
|   |   |   |   | 1.1.E.VendorX.VendorA.result
|   |   |   |   | 1.1.E.VendorA.VendorX.Network1.dump
|   |   |   | 1.1.F/
|   |   |   |   | 1.1.F.VendorA.VendorX.result
|   |   |   |   | 1.1.F.VendorX.VendorA.result
|   |   |   |   | 1.1.F.VendorA.VendorX.Network1.dump
|   |   |   | 1.2.C/
|   |   |   |   | 1.2.C.REF.VendorA.result
|   |   |   |   | 1.2.C.REF.VendorX.result
|   |   |   |   | 1.2.C.VendorA.VendorX.Network1.dump
|   |   |   | 1.2.D/
|   |   |   |   | 1.2.D.REF.VendorA.VendorX.result
|   |   |   |   | 1.2.D.REF.VendorX.VendorA.result
|   |   |   |   | 1.2.D.VendorA.VendorX.Network1.dump
|   |   |   | 1.3.A/
|   |   |   |   | 1.3.A.REF.VendorA.result
|   |   |   |   | 1.3.A.VendorA.VendorX.Network1.dump
|   |   |   | 1.3.B/
|   |   |   |   | 1.3.B.REF.VendorA.result
|   |   |   |   | 1.3.B.VendorA.VendorX.Network1.dump
|   |   |   | 1.3.C/
|   |   |   |   | 1.3.C.REF.VendorA.result
|   |   |   |   | 1.3.C.VendorA.VendorX.Network1.dump
|   |   |   | 1.4.A/
|   |   |   |   | 1.4.A.REF.VendorA.result
|   |   |   |   | 1.4.A.VendorA.VendorX.Network1.dump
|   |   |   |   | 1.4.A.VendorA.VendorX.Network2.dump
|   |   |   | 1.4.B/
|   |   |   |   | 1.4.B.REF.VendorA.result
|   |   |   |   | 1.4.B.VendorA.VendorX.Network1.dump
|   |   |   |   | 1.4.B.VendorA.VendorX.Network2.dump
|   |   |   | 1.5/
|   |   |   |   | 1.5.REF.VendorA.result
|   |   |   |   | 1.5.VendorA.VendorX.Network1.dump
|   |   |   |   | 1.5.VendorA.VendorX.Network2.dump
|   |   |   | 1.6.A/
|   |   |   |   | 1.6.A.REF.VendorA.result
|   |   |   |   | 1.6.A.VendorA.VendorX.Network1.dump
|   |   |   |   | 1.6.A.VendorA.VendorX.Network2.dump
|   |   |   | 1.6.D/
|   |   |   |   | 1.6.D.VendorA.VendorX.result
|   |   |   |   | 1.6.D.VendorX.VendorA.result
|   |   |   |   | 1.6.D.VendorA.VendorX.Network1.dump
|   |   |   |   | 1.6.D.VendorA.VendorX.Network2.dump
```

```
|   |   |   |   | 1.6.D.VendorA.VendorX.Network3.dump
|   |   | Topology/
|   |   |   | 1.1.DEF.VendorA.topology
|   |   |   | 1.2.CD.VendorA.topology
|   |   |   | 1.3.AC.VendorA.topology
|   |   |   | 1.3.B.VendorA.topology
|   |   |   | 1.4.AB.VendorA.topology
|   |   |   | 1.5.VendorA.topology
|   |   |   | 1.6.A.VendorA.topology
|   |   |   | 1.6.D.VendorA.topology
|   | HOST.VendorB/
|   |   | Results/
|   |   |   | 1.1.D/
|   |   |   |   | 1.1.D.VendorX.VendorB.result
|   |   |   |   | 1.1.D.VendorB.VendorX.result
|   |   |   |   | 1.1.D.VendorB.VendorX.Network1.dump
|   |   |   | 1.1.E/
|   |   |   |   | 1.1.E.VendorX.VendorB.result
|   |   |   |   | 1.1.E.VendorB.VendorX.result
|   |   |   |   | 1.1.E.VendorB.VendorX.Network1.dump
|   |   |   | 1.1.F/
|   |   |   |   | 1.1.F.VendorX.VendorB.result
|   |   |   |   | 1.1.F.VendorB.VendorX.result
|   |   |   |   | 1.1.F.VendorB.VendorX.Network1.dump
|   |   |   | 1.2.C/
|   |   |   |   | 1.2.C.REF.VendorX.result
|   |   |   |   | 1.2.C.REF.VendorB.result
|   |   |   |   | 1.2.C.VendorB.VendorX.Network1.dump
|   |   |   | 1.2.D/
|   |   |   |   | 1.2.D.REF.VendorX.VendorB.result
|   |   |   |   | 1.2.D.REF.VendorB.VendorX.result
|   |   |   |   | 1.2.D.VendorB.VendorX.Network1.dump
|   |   |   | 1.3.A/
|   |   |   |   | 1.3.A.REF.VendorB.result
|   |   |   |   | 1.3.A.VendorB.VendorX.Network1.dump
|   |   |   | 1.3.B/
|   |   |   |   | 1.3.B.REF.VendorB.result
|   |   |   |   | 1.3.B.VendorB.VendorX.Network1.dump
|   |   |   | 1.3.C/
|   |   |   |   | 1.3.C.REF.VendorB.result
|   |   |   |   | 1.3.C.VendorB.VendorX.Network1.dump
|   |   |   | 1.4.A/
|   |   |   |   | 1.4.A.REF.VendorB.result
|   |   |   |   | 1.4.A.VendorB.VendorX.Network1.dump
|   |   |   |   | 1.4.A.VendorB.VendorX.Network2.dump
|   |   |   | 1.4.B/
|   |   |   |   | 1.4.B.REF.VendorB.result
|   |   |   |   | 1.4.B.VendorB.VendorX.Network1.dump
|   |   |   |   | 1.4.B.VendorB.VendorX.Network2.dump
```

```
|   |   |   | 1.5/
|   |   |   |   | 1.5.REF.VendorB.result
|   |   |   |   | 1.5.VendorB.VendorX.Network1.dump
|   |   |   |   | 1.5.VendorB.VendorX.Network2.dump
|   |   |   | 1.6.A/
|   |   |   |   | 1.6.A.REF.VendorB.result
|   |   |   |   | 1.6.A.VendorB.VendorX.Network1.dump
|   |   |   |   | 1.6.A.VendorB.VendorX.Network2.dump
|   |   |   | 1.6.D/
|   |   |   |   | 1.6.D.VendorX.VendorB.result
|   |   |   |   | 1.6.D.VendorB.VendorX.result
|   |   |   |   | 1.6.D.VendorB.VendorX.Network1.dump
|   |   |   |   | 1.6.D.VendorB.VendorX.Network2.dump
|   |   |   |   | 1.6.D.VendorB.VendorX.Network3.dump
|   |   | Topology/
|   |   |   | 1.1.DEF.VendorB.topology
|   |   |   | 1.2.CD.VendorB.topology
|   |   |   | 1.3.AC.VendorB.topology
|   |   |   | 1.3.B.VendorB.topology
|   |   |   | 1.4.AB.VendorB.topology
|   |   |   | 1.5.VendorB.topology
|   |   |   | 1.6.A.VendorB.topology
|   |   |   | 1.6.D.VendorB.topology
|   | ROUTER.VendorC/
|   |   | Results/
|   |   |   | 1.1.G/
|   |   |   |   | 1.1.G.VendorX.VendorC.result
|   |   |   |   | 1.1.G.VendorC.VendorX.result
|   |   |   |   | 1.1.G.VendorX.VendorC.Network1.dump
|   |   |   | 1.1.H/
|   |   |   |   | 1.1.H.VendorX.VendorC.result
|   |   |   |   | 1.1.H.VendorC.VendorX.result
|   |   |   |   | 1.1.H.VendorX.VendorC.Network1.dump
|   |   |   | 1.1.I/
|   |   |   |   | 1.1.I.VendorX.VendorC.result
|   |   |   |   | 1.1.I.VendorC.VendorX.result
|   |   |   |   | 1.1.I.VendorX.VendorC.Network1.dump
|   |   |   | 1.2.E/
|   |   |   |   | 1.2.E.REF.VendorX.result
|   |   |   |   | 1.2.E.REF.VendorC.result
|   |   |   |   | 1.2.E.VendorX.VendorC.Network1.dump
|   |   |   | 1.2.F/
|   |   |   |   | 1.2.F.REF.VendorX.VendorC.result
|   |   |   |   | 1.2.F.REF.VendorC.VendorX.result
|   |   |   |   | 1.2.F.VendorX.VendorC.Network1.dump
|   |   |   | 1.6.B/
|   |   |   |   | 1.6.B.REF.VendorC.result
|   |   |   |   | 1.6.B.VendorX.VendorC.Network1.dump
|   |   |   |   | 1.6.B.VendorX.VendorC.Network2.dump
```

```
|  |  |  | 1.6.E/
|  |  |  |  | 1.6.E.VendorX.VendorC.result
|  |  |  |  | 1.6.E.VendorC.VendorX.result
|  |  |  |  | 1.6.E.VendorX.VendorC.Network1.dump
|  |  |  |  | 1.6.E.VendorX.VendorC.Network2.dump
|  |  |  |  | 1.6.E.VendorX.VendorC.Network3.dump
|  |  | Topology/
|  |  |  | 1.1.GHI.VendorC.topology
|  |  |  | 1.2.EF.VendorC.topology
|  |  |  | 1.6.B.VendorC.topology
|  |  |  | 1.6.E.VendorC.topology
|  | ROUTER.VendorD/
|  |  | Results/
|  |  |  | 1.1.G/
|  |  |  |  | 1.1.G.VendorX.VendorD.result
|  |  |  |  | 1.1.G.VendorD.VendorX.result
|  |  |  |  | 1.1.G.VendorX.VendorD.Network1.dump
|  |  |  | 1.1.H/
|  |  |  |  | 1.1.H.VendorX.VendorD.result
|  |  |  |  | 1.1.H.VendorD.VendorX.result
|  |  |  |  | 1.1.H.VendorX.VendorD.Network1.dump
|  |  |  | 1.1.I/
|  |  |  |  | 1.1.I.VendorX.VendorD.result
|  |  |  |  | 1.1.I.VendorD.VendorX.result
|  |  |  |  | 1.1.I.VendorX.VendorD.Network1.dump
|  |  |  | 1.2.E/
|  |  |  |  | 1.2.E.REF.VendorX.result
|  |  |  |  | 1.2.E.REF.VendorD.result
|  |  |  |  | 1.2.E.VendorX.VendorD.Network1.dump
|  |  |  | 1.2.F/
|  |  |  |  | 1.2.F.REF.VendorX.VendorD.result
|  |  |  |  | 1.2.F.REF.VendorD.VendorX.result
|  |  |  |  | 1.2.F.VendorX.VendorD.Network1.dump
|  |  |  | 1.6.B/
|  |  |  |  | 1.6.B.REF.VendorD.result
|  |  |  |  | 1.6.B.VendorX.VendorD.Network1.dump
|  |  |  |  | 1.6.B.VendorX.VendorD.Network2.dump
|  |  |  | 1.6.E/
|  |  |  |  | 1.6.E.VendorX.VendorD.result
|  |  |  |  | 1.6.E.VendorD.VendorX.result
|  |  |  |  | 1.6.E.VendorX.VendorD.Network1.dump
|  |  |  |  | 1.6.E.VendorX.VendorD.Network2.dump
|  |  |  |  | 1.6.E.VendorX.VendorD.Network3.dump
|  |  | Topology/
|  |  |  | 1.1.GHI.VendorD.topology
|  |  |  | 1.2.EF.VendorD.topology
|  |  |  | 1.6.B.VendorD.topology
|  |  |  | 1.6.E.VendorD.topology
|  | VendorX.table
```

1.4. Network Traffic Application

In the test results, "ping" is the default application to send ICMP echo request.
If the target device does not have "ping" application,
it is possible to use any other application that behaves like the "ping" application and passes traffic through the network.

****

All Rights Reserved. Copyright (C) 2004

Yokogawa Electric Corporation

University of New Hampshire InterOperability Laboratory

IPv6 Forum

No part of this documentation may be reproduced for any purpose without prior permission.