IPv6 READY Logo Phase 2

Session Initiation Protocol

The explanation
of the submission

version 1.1.0

Modification Record

Version 0.1   Mar. 16, 2007   - First release

Version 1.0.0   Apr. 27, 2007   - Modify the name syntax in section 3.4.5.

Version 1.0.1   Jul.31, 2007   - Added UNH-IOL members in Author's List.

                                             - Added UNH-IOL in copyright.

Version 1.0.2   May.30, 2008   - Changed some explanation.

                                             - Changed "3.3 Submission for conformance test".

Version 1.1.0   Dec. 12, 2008   - Major revision up.

                                             - Some typos were corrected.

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- IPv6 Promotion Council
  Certification Working Group
  SIP IPv6 Sub Working Group

- Commentators:

Table of Contents

1. Overview

This document describes about the necessary submission to acquire the SIP IPv6 Ready Logo Phase-2.

2. Reference Standards

(1) RFC3261: SIP: Session Initiation Protocol (http://www.ietf.org/rfc/rfc3261.txt)

(2) RFC3264: An Offer/Answer Model with Session Description Protocol
(http://www.ietf.org/rfc/rfc3264.txt)

(3) RFC4566: SDP: Session Description Protocol (http://www.ietf.org/rfc/rfc4566.txt)

(4) RFC2617: HTTP Authentication: Basic and Digest Access Authentication
(http://www.ietf.org/rfc/rfc2617.txt)

(5) RFC3665: SIP Basic Call Flow Examples (http://www.ietf.org/rfc/rfc3665.txt)

(6) IPv6 Ready Logo Phase 2 Policy

(7) SIP IPv6 Test Scope

3. About the submission

3.1 The list of the submission

It is necessary to submit the files shown in Table 3-1 to acquire the SIP IPv6 Ready Logo Phase-2.

Table 3-1 The list of the submission

Category	Submission	Explanation
Application Form	Application Form	Application form of SIP IPv6 Ready Logo Phase-2.
Conformance test	Test log	The HTML log generated when conformance test was executed.
	Configuration file	The config.txt set up when conformance test was executed.
	Test tool	The test tool which was used when conformance test was executed.
Interoperability test	Test Result Table	The sheet that describes the information of test results in interoperability test.
	Topology Map	The sheet that describes the information of topology map and IP address when interoperability test was executed.
	Packet Capture File	The Packet Capture File (e.g. tcpdump (pcap)) of each link acquired when interoperability test was executed.

The detail of each submission is described in the following subsections. Also, the directory structure is described in subsection 3.5.

3.2 Application form

The application form has been released on IPv6 Ready Logo Web Site (http://www.ipv6ready.org). The file name of the application form is **app_form_Phase2_SIP-IPv6_UA.txt** or **app_form_Phase2_SIP-IPv6_Server.txt**.

For information on how to fill out the application form, see the following explanation.

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-- Contact Person

Fill in name and e-mail address of applicant.

-- Target node Informations

Fill in name, country, version (version of product), and explanation of equipment for submission. You can just write the explanation of product briefly.

-- Target node supporting functions

Select the functions that the equipment for submission supports. All BASIC functions MUST be supported. Select ADVANCED functions that the equipment supports, and execute it of the conformance test.

-- Test Information

Fill in name of OS/Protocol stack that the equipment for submission includes, the Logo ID of IPv6 Ready Logo Phase-2 for IPv6 Core, the version of the Conformance test / interoperability test document.

Fill in OS/Protocol stack ONLY WHEN the equipment uses that.

-- Interoperability test results

Fill in information of the equipment in interoperability test. Write name of vender and device / product, and version.

There must be two or more different types (different vendors) of equipment.

3.3 Submission for conformance test

3.3.1. Conformance test log

Submit all HTML logs that have been generated and stored in a configured directory during conformance test. The directory structure is described in subsection 3.5.

3.3.2. Conformance test configuration file

Submit the config.txt that has been configured and stored in the same directory as subsection 3.3.1 during conformance test.

3.3.3. Conformance test tool

Submit the test tool that was used during conformance test. The directory structure is described in subsection 3.5.

3.4 Submission for interoperability test

3.4.1. Interoperability test result table

Fill in the information of test results in interoperability test. Fill out the result_tbl.txt and submit it to us. The directory structure for submission is described in subsection 3.5.

For information on how to fill out result_tbl.txt, see the following explanation.

Fill out the test result (the equipment is same as the equipment that is written in Interoperability test results) in application form.

  -- IO test result

    Fill out results of interoperability test. You can just submit only all this blank written in "PASS".

Fill out this sheet using the following forms:

Template files

Test Result Table	result_tbl.tx

3.4.2. Topology map

Fill in vender name, device name, topology map of UA / Server that is used in interoperability test..

Fill in the information of test topology in interoperability test. Fill out the topologymap.txt and submit it to us. The directory structure for submission is described in subsection 3.5.

For information on how to fill out topologymap.txt, see the following explanation. Based on the basic configuration described in a sample, fill in the configuration of when you have executed interoperability test

  -- topology map

    Fill in Interoperability test scenario Item number, vender name, device name, topology map of UA / Server that is used in interoperability test.

  -- IP address information

Fill in prefix of each link and IP address / MAC address of UA / Server / Router.

Fill in the address of when you have executed interoperability test.

Full out this sheet using the following forms:

Template files

Topology Map	topologymap.txt

3.4.3. Scenario check sheet

This sheet is used to check items of "Judgment" in interoperability scenario when interoperability test is executed. This document doesn't have to be submitted for the SIP IPv6 Ready Logo Phase-2.

3.4.4. Packet Capture File

Submit packet capture files (e.g. tcpdump (pcap)) of links in interoperability test. The file name syntax of this packet capture file must be:

[ScenarioName]_[Send Vendor]_[Recieve Vendor]_[Link No].cap.

Ex.)

In case of executing the test of U6-1-N-B-R01, Foo Corp of send vendor, HogeCorp of receive vendor, and Link1, the file name should be:

U6-1-N-B-R01_FooCorp_HogeCorp_Link1.cap

3.5 Directory structure

Before submitting, check and organize your all data as following directory structure:

IPv6ReadyLogoForSip_*YourVenderName*/
     |
     |-----app_form_Phase2_SIP-IPv6_[UA|Server].txt
     |-----ConformanceTestLog/
     | |-----index.html
     | |-----config.txt
     | |-----1.html
     | |-----2.html
     | |-----3.html
     | |-----
     |-----IOTestLog/
         |
         |-----*TargetVenderName*_01/
         | |-----IO_information_and_result_sheet.txt
         | |-----node_information_[BASIC|ADVANCED]
         | | -arch_*TargetVenderName*.txt
         | |-----topology_map.txt
         | |-----PacketCaptureFile/
         | |----- U6-1-N-B-R01_*SendVender_RecieveVendor_LinkNo*.cap
         | |----- U6-1-N-B-R02_*SendVender_RecieveVendor_LinkNo*.cap
         | |----- U6-1-N-B-R03_*SendVender_RecieveVendor_LinkNo*.cap
         | |-----
         |-----*TargetVenderName*_02/
               |-----IO_information_and_result_sheet.txt
              |-----node_information_[BASIC|ADVANCED]
              | -   arch_*TargetVenderName*.txt
              |-----topology_map.txt
              |-----PacketCaptureFile/
               |-----U6-1-N-B-R01_*SendVender_RecieveVendor_LinkNo*.cap
               |-----U6-1-N-B-R02_*SendVender_RecieveVendor_LinkNo*.cap
               |-----U6-1-N-B-R03_*SendVender_RecieveVendor_LinkNo*.cap
               |-----

Put your all data file under "IPv6ReadyLogoForSip_*YourVenderName*" directory.

Also, make and submit a tar.gz archive file instead of uncompressed files themselves.

For UA

IPv6ReadyLogoForSip_*YourVenderName* /

```
        |
        |-----app_form_Phase2_SIP-IPv6_UA.txt
        |-----ConformanceTestLog/
        |                 |-----<Conformance Test results (e.g. ct-sip-ipv6ua.tar.gz)>
        |
        |                                        |--ct-sip-ipv6ua
        |                                           |----Makefile
        |                                           |----Makefile.inc
        |                                           |----sip-ipv6-ua
        |                                                    |-----index.html
        |                                                    |-----config.txt
        |                                                    |-----resutls.html
        |                                                    |-----1.html
        |                                                    |-----2.html
        |                                                    |-----3.html
        |                                                    |-----
        |-----IOTestLog/
             |
             |-----result_tbl.txt
             |----- InteroperableVenderName_01/
             |             |-----topology_map.txt
             |             |----- PacketCaptureFile /
             |                 |----- U6-1-N-B-R01_SendVender_RecieveVendor_LinkNo.cap
             |                 |----- U6-1-N-B-R02_SendVender_RecieveVendor_LinkNo.cap
             |                 |----- U6-1-N-B-R03_SendVender_RecieveVendor_LinkNo.cap
             |                 |-----
             |----- InteroperableVenderName_02/
                          |-----topology_map.txt
                          |----- PacketCaptureFile /
                             |-----U6-1-N-B-R01_SendVender_RecieveVendor_LinkNo.cap
                             |-----U6-1-N-B-R02_SendVender_RecieveVendor_LinkNo.cap
                             |-----U6-1-N-B-R03_SendVender_RecieveVendor_LinkNo.cap
                             |-----
```

Put your all data file under "IPv6ReadyLogoForSip_*YourVenderName*" directory.

Also, make and submit a tar.gz archive file instead of uncompressed files themselves.

For Server

IPv6ReadyLogoForSip_*YourVenderName* /
```
        |
        |-----app_form_Phase2_SIP-IPv6_Server.txt
        |-----ConformanceTestLog/
        |              |-----<Conformance Test results (e.g. ct-sip-ipv6px.tar.gz)>
        |
        |
        |
        |
        |
        |
        |
        |
        |
        |-----IOTestLog/
              |
              |-----result_tbl.txt
              |----- InteroperableVenderName_01/
              |              |-----topology_map.txt
              |              |-----PacketCaptureFile/
              |                   |----- U6-1-N-B-R01_SendVender_RecieveVendor_LinkNo.cap
              |                   |----- U6-1-N-B-R02_SendVender_RecieveVendor_LinkNo.cap
              |                   |----- U6-1-N-B-R03_SendVender_RecieveVendor_LinkNo.cap
              |                   |-----
              |----- InteroperableVenderName_02/
              |              |-----topology_map.txt
              |              |----- PacketCaptureFile /
              |                   |-----U6-1-N-B-R01_SendVender_RecieveVendor_LinkNo.cap
              |                   |-----U6-1-N-B-R02_SendVender_RecieveVendor_LinkNo.cap
              |                   |-----U6-1-N-B-R03_SendVender_RecieveVendor_LinkNo.cap
              |                   |-----
              |----- InteroperableVenderName_03/
              |              |-----topology_map.txt
              |              |----- PacketCaptureFile /
              |                   |-----U6-1-N-B-R01_SendVender_RecieveVendor_LinkNo.cap
              |                   |-----U6-1-N-B-R02_SendVender_RecieveVendor_LinkNo.cap
              |                   |-----U6-1-N-B-R03_SendVender_RecieveVendor_LinkNo.cap
              |                   |-----
              |----- InteroperableVenderName_AA01/   (If the ADVANCED architecture is executed.)
              |              |----- ... (same as above "TargetVenderName_01")
              |----- InteroperableVenderName_AA02/   (If the ADVANCED architecture is executed.)
              |              |----- ... (same as above "TargetVenderName_01")
              |----- InteroperableVenderName_AA03/   (If the ADVANCED architecture is executed.)
              |              |----- ... (same as above "TargetVenderName_01")
              |----- InteroperableVenderName_AA04/   (If the ADVANCED architecture is executed.)
                             |----- ... (same as above "TargetVenderName_01")
```

Callout (Conformance Test results contents):
```
|--ct-sip-ipv6px
   |----Makefile
   |----Makefile.inc
   |----sip-ipv6-ua
        |-----index.html
        |-----config.txt
        |-----resutls.html
        |-----1.html
        |-----2.html
        |-----3.html
        |-----
```

Put your all data file under "IPv6ReadyLogoForSip_*YourVenderName*" directory.

Also, make and submit a tar.gz archive file instead of uncompressed files themselves.

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