IPv6 Enabled CDN Logo Program

V 0.1.0

(2020-2)

IPv6 Forum

MODIFICATION RECORD

Version 0.1.0   February 03, 2020

ACKNOWLEDGMENTS

The IPv6 Forum would like to acknowledge the efforts of the following organizations in the development of this specification.

Principle Author:

BII Group

INTRODUCTION

The IPv6 Forum[1] IPv6 Enabled Logo Program (http://www.ipv6enabled.org) objective is to encourage and accelerate deployment of IPv6 and the adoption of IPv6 by web site owners, application developers and online infrastructure providers. The IPv6 Forum IPv6 Ready logo[2] program clearly demonstrates the widespread (exponential growth) support of IPv6 in products. This impressive list of vendors indicates the number of potential IPv6 users ready to use IPv6 and represent a real incentive for web site owners, application developers, CDN providers to enable IPv6 and for various service providers (such as ISPs, ASPs and CSPs) to provide IPv6 enabled service for their customers.

The IPv6 Enabled Logo (v6eLogo) Program is a program intended to increase user confidence by demonstrating that IPv6 is available now and is ready to be used.

The IPv6 Enabled Logo Program consists, currently, of the following six sub-programs:

- IPv6 Enabled WWW Logo (v6eLogo_WWW) Program

- IPv6 Enabled ISP Logo (v6eLogo_ISP) Program

- IPv6 Enabled APP Logo(v6elogo_APP) Program

- IPv6 Enabled CDN Logo(v6elogo_CDN) Program

- IPv6 Enabled Cloud Logo(v6elogo_Cloud) Program

- IPv6 Enabled IDC Logo(v6elogo_IDC) Program

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1 IPv6 Forum web site http://www.ipv6forum.com

2 IPv6 Ready Logo http://www.ipv6ready.org

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1. Foreword

Changes to this specification are subject to public review and approval by the IPv6 Forum **IPv6 Enabled Logo Steering Group (v6eSG)**.

Version x.y.z

where:

x   the first digit:

1   presented to v6eSG for information;

2   presented to v6eSG for approval;

3   or greater indicates v6eSG approved document under change control.

y   the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

z   the third digit is incremented when editorial only changes have been incorporated in the document.

2. Scope

The present document describes the IPv6 Enabled Logo Program. This document is the result of consensus between the IPv6 Enabled Steering Group (v6eSG) members and industry review

3. IPv6 Enabled Program

3.1. General

The IPv6 Forum IPv6 Enabled Logo Program[3] objective is to encourage and accelerate deployment and adoption of IPv6 by web site owners, application developers, CDN providers and various service providers.

The IPv6 Enabled Logo (v6eLogo) Program goal is to increase user confidence by demonstrating that IPv6 is available now and is ready to be used.

The IPv6 Enabled Logo Program consists, of the following sub-programs:

- IPv6 Enabled WWW Logo (v6eLogo_WWW) Program

- IPv6 Enabled ISP Logo (v6eLogo_ISP) Program

- IPv6 Enabled APP Logo (v6eLogo_APP) Program

- IPv6 Enabled CDN Logo (v6eLogo_CDN) Program

- IPv6 Enabled Cloud Logo (v6eLogo_Cloud) Program

- IPv6 Enabled IDC Logo (v6eLogo_IDC) Program

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3 http://www.ipv6enabled.org

The IPv6 Forum has created the **IPv6 Enabled Steering Committee (v6eSG)**, to manage the IPv6 Enabled Logo Program.
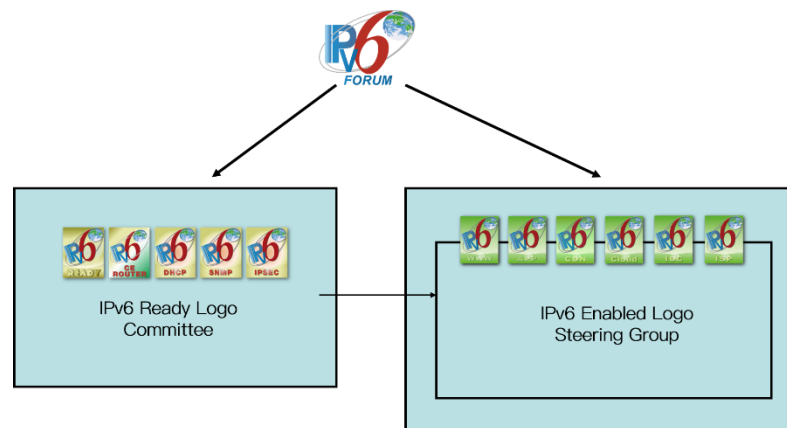
The IPv6 Enabled Steering Group mission is to help support IPv6 deployment on Web sites, Mobile applications, CDNs and by various service providers (e.g., ISPs, ASPs or CSPs).

The **IPv6 Enabled Logo Steering Group (v6eSG)** is structured as follows:

- IPv6 Forum President, Latif Ladid

- IPv6 Forum (Ready/Enabled) Logo Programs Chairperson, Yanick Pouffary @ IPv6 Forum Fellow

- IPv6 Enabled Logo Steering Group Chairperson, Liu Dong @ Chair China IPv6 Council / BII Group

- IPv6 Ready Logo Committee Chairperson, Hiroshi Esaki @ Executive Director Japan IPv6 Promotion Council (v6PC) / WIDE Project

- IPv6 Enabled Logo Legal/Operational, Cesar Viho @ IPv6 Ready Logo Operational / IPv6 Forum Fellow / IRISA

- IPv6 Enabled Logo Technical Lead IPv6 Enabled WWW logo, Huan Huan @ BII Group

    - IPv6 Enabled Logo Technical co-chairs

    - Hiroshi Miyata @ IPv6 Ready Logo Technical Lead / IPv6 Forum Fellow / TAHI Project

    - Timothy Winters @ UNH IOL

    - Antony Baire @ IRISA

- IPv6 Enabled Logo Technical Group

    - Initial members are IPv6 Ready Logo Technical group

- IPv6 Enabled Logo Administrative group

    - Initial members are IPv6 Ready Logo Administrative group

The **v6eSG** is responsible for:

- Defining procedures, regulations and steps for the v6eLogo program.

- Defining the strategy for deploying the IPv6 Enabled Logo Program

- Administering the right to use the IPv6 Enabled Logo.

Final approval of IPv6 Enabled procedures and scripts is done by the IPv6 Enabled Logo Committee Chairperson, the IPv6 Ready Logo Chairperson, the IPv6 Forum (Ready/Enabled) Logo Programs Chairperson and IPv6 Forum President.

The IPv6 Enabled Logo ID data base and the IPv6 Enabled Web pages are administered mainly by the BII Group.

In order to maintain credibility and neutral services among vendors and users, the member that support IPv6 Enabled Logo Steering Group operates according to the IPv6 Ready Logo Program Code of Conduct http://www.ipv6ready.org/docs/v6LC_Code_of_Conduct.pdf and are tied by a signed Non Disclosure Commitment.

3.2. IPv6 Enabled WWW Logo Program

The IPv6 Enabled WWW Logo (v6eLogo_WWW) program is for IPv6 enabled Web sites. Information about this program can be found at:

http://www.ipv6enabled.org/ipv6_enabled/specification/www.pdf

3.3. IPv6 Enabled ISP Logo Program

IPv6 Enabled ISP Logo (v6eLogo_ISP) program is for IPv6 enabled Internet Service providers. Information about this program can be found at:

http://www.ipv6enabled.org/ipv6_enabled/specification/isp.pdf

3.4. IPv6 Enabled APP Logo Program

IPv6 Enabled APP Logo (v6eLogo_APP) program is for IPv6 enabled Mobile applications. Information about this program can be found at:

http://www.ipv6enabled.org/ipv6_enabled/specification/app.pdf

3.5. IPv6 Enabled CDN Logo Program

IPv6 Enabled CDN Logo (v6eLogo_CDN) program is for IPv6 enabled Content Delivery Network. This program is to help support IPv6 deployment on Content Delivery Network.

3.6. IPv6 Enabled Cloud Logo Program

IPv6 Enabled Cloud Logo (v6eLogo_Cloud) program is for IPv6 enabled Cloud services.

This program is currently under development and will be released later.

3.7. IPv6 Enabled IDC Logo Program

IPv6 Enabled IDC Logo (v6eLogo_IDC) program is for IPv6 enabled Internet Data Center.

This program is currently under development and will be released later.

4. IPv6 Enabled CDN Logo Program

4.1. General

CDN is one of the most important parts of internet at present. IPv6 enabled CDN have already appeared. The **v6eLogo_CDN** program objective is to encourage adoption of IPv6 in helping CDN providers to test and check their proper IPv6 enablement.

4.2. Definition - Requirements of IPv6 enabled CDN

The followings are the technical requirements, which an IPv6 enabled CDN must satisfied to obtain the logo.

(1) CNAME Resolving

(2) Access Ability

(3) Support at the business layer

(4) Multi-node

(5) CDN Stability

4.3. Procedure to obtain the v6eLogo_CDN

The process for obtaining the **IPv6 Enabled CDN Logo** is as following:

1. Download the IPv6 Enabled CDN validation specifications from the IPv6 Enabled Logo web site.

2. Fill out the Application form online and complete the IPv6 Enabled Logo Usage Agreement by filling out the entry information and pressing the "apply button" to show your intention of agreement.

3. Once your application is accepted, the v6eSg will contact you to confirm the information and execute test.

4. Once the CDN passes the test, you will receive a Logo and Logo ID with a unique serial number.

5. Your APP will be listed on the IPv6 Enabled CDN List.

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                    ┌──────────────────┐
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                    └──────────────────┘                         ┊
                              │                      Retry        ┊
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                    │       result (4)     │
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                              │
                              ▼
                    ┌──────────────────────┐
                    │  Status IPv6 Enabled │
                    └──────────────────────┘
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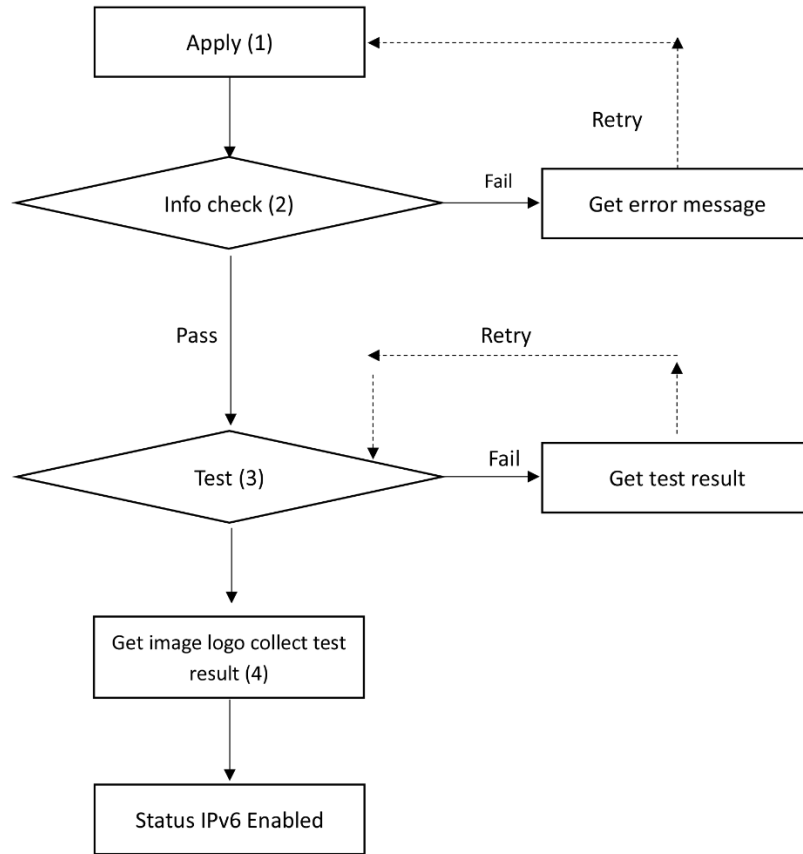
4.4. Image logo

Figure 1: Image logo(classic)

Figure 2: Image logo(mini)

Image logo is authorized to applicant when the APP has passed the test.

The series number XX-YY-ZZZZZZZZ is unique.

XX indicates the certification level, YY marks the region or country, and ZZZZZZZZ is an id number beginning from 00000001.

5. Terminology

IPv6 Forum: The IPv6 Forum a world-wide consortium, with a key focus to provide technical guidance for the deployment of IPv6, launched a single world-wide IPv6 Ready Logo Program (conformance and interoperability testing).

- **IPv6 Ready Logo Program:** The IPv6 Forum IPv6 Ready Logo Program provides conformance and interoperability test specifications based on open standards to support IPv6 deployment across the globe.

- **IPv6 Ready Logo Committee (v6LC):** To manage the IPv6 Ready Logo Program.

- **IPv6 Ready Logo Regional Officer:** To authorize third parties passing successfully the IPv6 tests to use the IPv6 Ready Logo

- **IPv6 Enabled Logo Program:** The IPv6 Forum IPv6 Enabled Logo Program objective is to encourage and accelerate deployment and adoption of IPv6 by web site owners and service providers.

- **IPv6 Enabled WWW Logo (v6eLogo_WWW) Program:** Sub-program of IPv6 Enabled Logo program and is applicable to web sites

- **IPv6 Enabled ISP Logo (v6eLogo_ISP) Program**: Sub-program of IPv6 Enabled Logo program and is applicable to service providers

- I**Pv6 Enabled Steering Committee (v6eSG)**: To manage the IPv6 Enabled Logo Program.

- **IPv6 enabled websites:** web sites that are accessible via IPv6

- **v6eLogo_WWW**: IPv6 Enabled WWW Logo

- **v6eLogo_ISP:** IPv6 Enabled ISP Logo

- **v6eLogo_APP:** IPv6 Enabled APP Logo

- **v6eLogo_CDN:** IPv6 Enabled CDN Logo

- **v6eLogo_IDC:** IPv6 Enabled IDC Logo

- **v6eLogo_Cloud:** IPv6 Enabled Cloud Logo

- **IDC:** Internet data center

- **CDN:** Content Delivery Network

- **WWW**: World Wide Web

- **ISP**: Internet Service Provider

- **APP:** Mobile Application

- **DNS:** Domain Name System

· **DNS SR**: DNS resolving successful rate

- **HTTP:** Hypertext Transfer Protocol

- **HTTP SR**: HTTP accessing successful rate

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The IPv6 Forum

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