



# IPv6 Ready Logo Aiding IPv6 Deployment

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LACNIC 27  
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# IPv6 Forum's IPv6 Ready Logo



- Goal 2001-Present: Conformance and Interoperability test program intended to increase user confidence and promote IPv6 deployment.
- Logo Committee Structure

Latif Ladid  
IPv6 Forum President

Hiroshi Esaki @WIDE  
IPv6 Ready Co-Chair

Erica Johnson @UNH  
IPv6 Ready Co-Chair

Timothy Winters @UNH  
Technical Chair

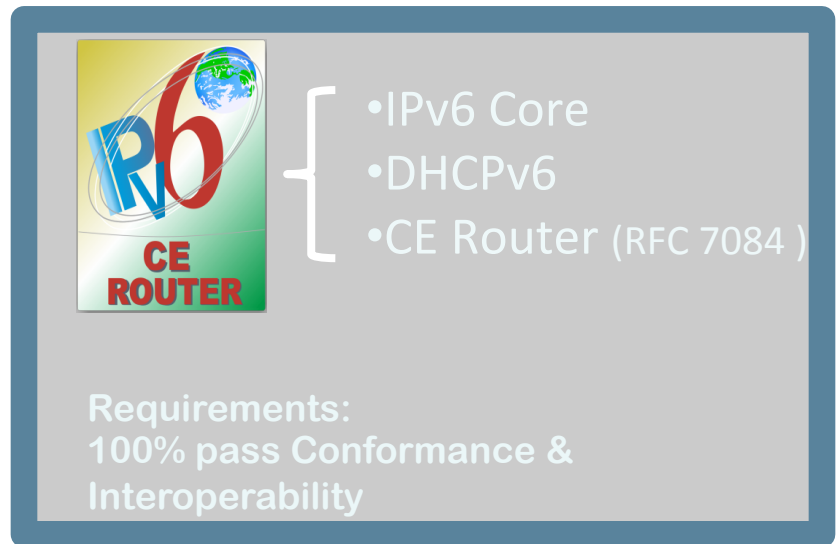
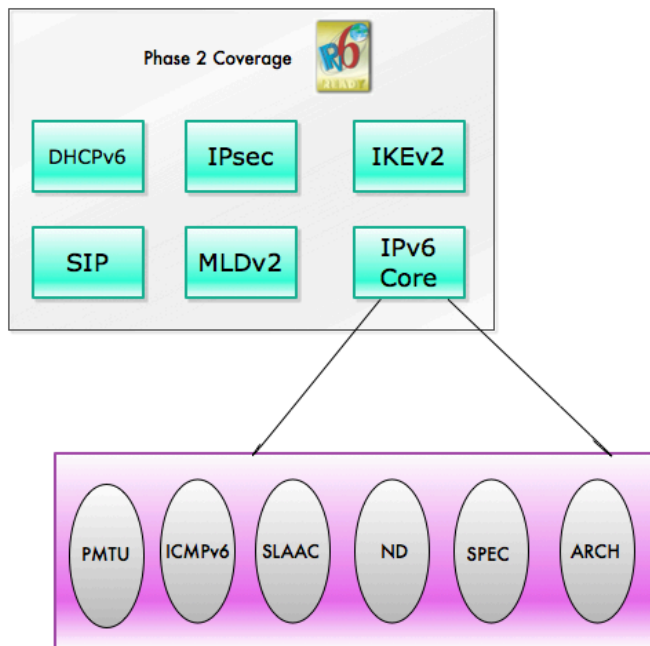
Asia Regional Officer

NA Regional Officer

Europe Regional Officer

# IPv6 Ready Logo Programs

- Extensive Interoperability and Conformance testing Requirements for IPv6 stacks.
  - All *MUSTS* and *SHOULD* tested within standard RFC



# Approved Labs



# Logo Process



TEST Self-Test  
Results  
or  
Approved  
Lab Results

APPLY Online  
application  
submit both  
100% pass  
Conformance  
and Interop  
Results

APPROVED Regional  
Officer  
coordinates  
Application  
review and  
Chair gives  
final  
approval.

# Testing Process

- Products have a choice to self test or go to an IPv6 Ready Lab for testing.
- Results must be a 100% Pass for Conformance and Interoperability
- Interoperability Testing requires testing against 4 interoperability partners.
- Captures and Results files are kept to be submitted for review when applying for the Logo.

# Test Specification

- Openly available to the public for comment.
- Based on IETF standards testing the MUST and SHOULDs in the standard.
- IPv6 Ready Technical Committee of volunteers from approved labs review any comments and implements changes to the test specifications.
- Also discuss reviewing any test issues discovered by labs during the testing process.

# Application Process

- [Online Application](#)
- Application process includes:
  - Contact Info, Device Info, Test Results
- **Usage Agreement** for use of IPv6 Ready Logo must be completed before examination begins
- Once the application is received it is distributed to the Regional lab for the examination
- Examination Report then routed to Chair for final approval



# Product Logo Usage

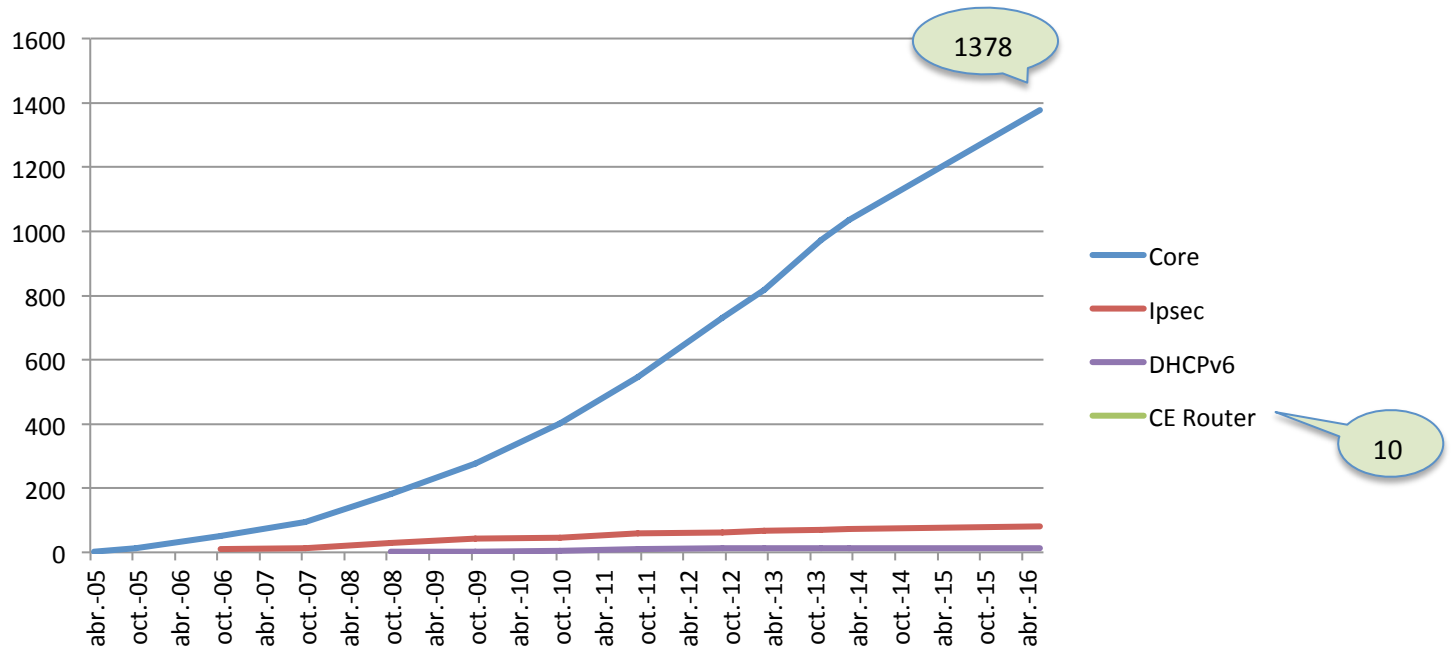
- If a series of products use identical networking stacks, that product series will be accepted with an application.
- If a new product version does not change the network stack, vendor can update the registered version by submitting an application (no test logs needed).
- If a new product version changes the networking IPv6 stack it is required to retest and resubmit.

# Orgs Leveraging the Logo

- IPv6 Ready Logo Program currently has over 1000 test cases for testing IPv6 protocols (SLAAC, DHCP, IPSec, IKEv2 and CE Router).
- Profiles and Test Programs have the ability to leverage existing test cases.
  - Example USGv6 Test Program uses IPv6 Ready Logo tests selecting test cases that apply to USGv6 Test Profile.
- Allows Implementations to work towards several different programs at once.

# Current Logo Approvals

As of June 2016



<https://www.ipv6ready.org/db/index.php/public/>