

IPv6 Deployment in Japan

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1. Why dose the Japanese Government promote IPv6 ?

Development of the Internet leads to:

- Improve convenience in daily life for our nation

- Through creating new services
- By ensuring an environment for safe and secure Internet use

- Development of the industries in Japan as a whole

- Development of the Internet
 - Development of ICT industry
 - Development of all industries

2. MIC's actions for IPv6 deployment (1)

MIC Established a Study Group in 2009

- **Various participating players** such as
 - Carriers
 - Network Equipment Vendors
 - ISPs
 - Contents Providers
 - Corporate Users of ICT services
 - Industry Groups
 - Academic Experts
 - etc.
- Contributing IPv6 deployment in Japan through **discussing the solution** to some issues and developing **action plans**
- Releasing the report 4 times

2. MIC's actions for IPv6 deployment (2)

Follow-up of the Study Group report

- Study Group conducts
 - **interviews of each player** (e.g. Carriers, ISPs) about implementation status of action plans
 - **reviewing action plans** and **discussing new issues**
- These results are published as a "Progress Report"

The follow-up process was important in ensuring the effectiveness of the report

- If there are some **remaining issues**, it was discussed among participant on how they could be addressed
 - Motivation for players to make progress

3. Point of the latest report of Study Group

MIC published the "4th report" of the Study Group (January, 2016)

- Basic thinking
 - Role of IPv6 is changing from a measure against IPv4 exhaustion to indispensable use in the IoT era
 - Mobile communication has an important role in directly connecting these devices
- Example of Action Plans
 - By 2017, achieve a situation where IPv6 is provided by default to smartphone users with no additional burden ("IPv6 Mobile Launch")
 - Mobile operators express their intention in the process of discussion at the Study Group
 - Continuing follow-up

4. Role and Involvement of the Japanese government

There are other industry initiated activities in Japan to promote IPv6.

Japanese government considers activities which has synergies with such activities:

- Awareness raising to key stakeholders
 - Through publishing the study report
- Facilitating a place for discussions among various key industry players
 - At meetings to follow up from the report
- Other activities which are challenging to conduct in private sector