IPv6 Deployment in Japan

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1. Why does 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
  - ISPs
  - Network Equipment Vendors
  - Contents Providers
  - Corporate Users of ICT services
  - Industry Groups
  - Academic Experts

- Contributing IPv6 deployment in Japan through discussing the solution to some issues and developing action plans.
- Releasing the report 4 times.
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
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**