

JICA Knowledge Co-Creation Program 2015 Improving ICT Policy Planning Skills Utilizing Standards

— *Deployment of Better ICT Infrastructure to Overcome Challenges* —

International Cooperation Department
The ITU Association of Japan

■ Photo 1: Visit to MIC



For about two weeks from January 21st to February 5th, 2016, the ITU Association of Japan carried out group training at the request of the Japan International Cooperation Agency (JICA). The content of the training was aimed at fostering people who can examine and create the ideal ICT policy to solve societal problems in their country by making use of the international standards and developing an ICT infrastructure. The international standards were considered as a reference point to carry out theoretical, practical training for an even more effective, more efficient telecommunications infrastructure.

This training has been carried out since 2012 by ITU Association of Japan with the cooperation of the MIC. This fiscal year is the 4th year, and seven trainees participated from five countries: Kiribati, the Solomon Islands, Myanmar, Mongolia, and India.

The training began with lectures on the Japanese government's telecommunications business policy and standardization policy related to telecommunications,

as well as lectures and reports on ITU standardization trends, task analysis techniques, inception report presentations, activities of Japanese standardization organizations, standardization activities of each of the related business organizations, and individual report presentations, in addition to observing related institutions.

Japanese telecommunications policy and standardization policy lectures were titled "Telecommunications Policy in Japan" (MIC) and "Standardization of ICT in Japan" (MIC). A lecture on "ITU-T: Standardization and ITU-T in ICT Fields" (TTC) was held to present ITU standardization trends, and lectures on "Towards Global Standardization in TTC" (TTC), "Standardization of Radio Systems" (ARIB), "Certification System for Telecommunications Equipment in Japan" (TELEC), "Overview of HATS" (HATS Conference), "NGN End to End Service Interoperability Test" (HATS Conference), and "Activities for Interoperability Tests and Standardizations

of Optical Access Systems" (HATS Conference) were held to present the activities done by Japanese standardization organizations.

Once lectures on Japan's telecommunications and standardization policies and on the state of ITU as well as activities such as those of Japanese standardization organizations were finished, a lecture was held on the analysis approach of Project Cycle Management (PCM). In addition to this, challenges related to standardization in the trainees' respective countries were sampled, and through group discussion, trainees shared their level of knowledge between them. Furthermore, this PCM lecture was held at the end of the training again, right before the individual report presentations, and group discussion gave each of them an opportunity to put in order the formulation of problem-solving methods for ICT standardization and the expansion of standardization activities in their respective countries.

Lectures titled "KDDI's Strategy for Development of ICT Service & Technology" (KDDI), "Current Status on Standardization of Future Network" (NTT), and "International Standardization of Mobile Communication Systems" (NTT DOCOMO)

■ Photo 2: Visit to NTT DOCOMO



■ Photo 3: Visit to NICT



■ **Photo 4: Lecture at Japan Broadcasting Corporation**



■ **Photo 5: At Kanagawa Institute of Technology**



were held to present the standardization activities done by each of the related business organizations.

The trainees visited facilities such as NTT DOCOMO's showroom, NICT's exhibition room, Fujitsu's showroom, the NHK (Japan Broadcasting Corporation), and NEC's showroom as well as the Kanagawa Institute of Technology's Interoperability Test Center (Smart House), and they observed the development of each company/organization's new technology and stan-

dardization activities and deepened their understanding of each company's latest technology and efforts toward standardization.

The trainees visited NTT DOCOMO's showroom "Future Station" and observed the near future of mobile communications. NICT (National Institute of Information and Communications Technology) held a lecture titled "Research and Development on ICT and Standardization Activities in NICT," and the trainees observed an outline of NICT's various activities. Fujitsu showroom's "Fujitsu Technology Hall"

held a lecture titled "Fujitsu's Activity of International Standardization," and the trainees observed Fujitsu's latest technology. The NHK Broadcasting Center held lectures titled "Setup of Digital Terrestrial Television Broadcasting Network," "The Roles and Convergence of Broadcasting and Communications," and "The Outline of NHK Digital Content Service," and the trainees observed Hybridcast at the Technical Operation Center. At NEC's showroom "NEC Innovation World," a lecture was

held titled "Wireless Broadband Access," and the trainees observed NEC's latest technology. The Interoperability Test Center of the Kanagawa Institute of Technology held a lecture titled "Current Status of Smart-Houses," and the trainees observed a real smart house along with re-recognizing the importance of standardizing the various machines used for household-use.

Furthermore, starting this year, an English-speaking volunteer guide was arranged to create a chance for trainees to explore Japanese culture, and at the beginning of the training, they visited the Outer Gardens of the Imperial Palace, and at the very end, they visited Ginza.

On the last day of training, each trainee presented an individual report. The individual report was put together using the PCM approach learned during the training and was on such things as the current state of standardization activities and future developments, and they had a lively discussion on the outlook of each country's ICT standardization activities.

This training course was received favorably by the trainees, but to continue to provide training that is even more satisfactory, the ITU Association of Japan plans to collect evaluations, opinions, and requests regarding the lecture content, text, and facility tours, analyze the evaluation results, examine them, clarify points to be improved in the implementation of the course, and reflect these things in the next and future programs.

■ **Photo 6: Lecture at Kanagawa Institute of Technology**



■ **Photo 7: Visit to Fujitsu**

