

General Information on APT Training Course
(Funded by Extra Budgetary Contribution of Japan (J4))

1. **Title of Training Course:** Utilization of ICT Services & E-Applications for Overcoming Digital Divide
2. **Organization (hosted by):** BHN Association (BHN)
3. **Duration:** 1 - 18 March 2016 (excluding arrival and departure dates)
4. **Place:** Tokyo, Japan

(In addition, we arrange some study visits outside of Tokyo to observe the ‘Local ICT Utilization Model Projects’ promoted by MIC Japan. The candidate locations are Otsu City in Shiga Prefecture, Niihama City in Ehime Prefecture, Takamatsu city in Kagawa Prefecture and Kamiyama Town in Tokushima Prefecture in the south of Japan.

5. Abstract and Objectives

Japan is the country which is tackling with such major issues as security to realize Internet 4.0 society, the declining birth rate and aging population, shortage of doctors, managing disasters and the declining regional economies. One of the methods of tackling is to deploy local ICT applications. The actual examples of these projects in Japan would provide good showcases for other Asian countries that are taking interest for overcoming the digital divide. Some projects are based on initiatives promoted by Ministry of Internal Affairs and Communications (MIC). In many Asian countries, while the infrastructures of broadband communications through mobile communications and optical fiber communications are being built, there are still many fields that should be addressed, for example, the regional disparities in the medical services and education and seemingly low awareness of the importance of information security.

Under this circumstance, we would like to propose a training course regarding E-Applications, titled as "Utilization of ICT Services and E-Applications for Overcoming Digital Divide." The training course will provide the lectures and site visits for the purpose of helping the countries and areas with these issues to promote and spread the utilization of ICT which would help solving the regional issues.

The trainees will learn the actual examples of ICT utilization, and then based on the acquired knowledge they can consider similar systems suitable for the requirements of their countries. ICT applications are expected to contribute to overcoming the digital divide if they are brought in rural areas, in such fields as managing disaster,

tourism and transportation, environmental monitoring, medicine and welfare, agriculture, forestry and fishery.

Furthermore, the trainees will cultivate human relations among them during the course, which will make them easier to communicate each other about the deploying ICT systems learned in Japan so that they can promote international cooperation among Asian Countries on utilizing ICT.

The themes and model systems that are planned as subjects of the training are as follows:

- 1) E-Government (Security Technology); One of the important issues for secure and safer internet society.
- 2) Machine to machine communication (M2M) and Sensor Network Technology, which can be used for managing disasters
- 3) Telemedicine, Remote Medical Care and Watching System
- 4) Revitalizing regions through town development by utilizing ICT
- 5) Monitoring environment and Agriculture using ICT

From the point of view that the training courses conducted by BHN for the four consecutive years starting 2011 were highly appreciated, and that it is vital to increase the number of persons who acquire the similar technological knowledge in order to facilitate localizing in the Asian countries the similar E-Applications as used in Japan, we would like to propose a training course focusing on E-Applications.

Trainees will also have the several chances to visit the following model projects of ICT utilization promoted by MIC Japan for studying how the systems can fit in their countries, which are as follows:

- a) Medical Center of Otsu city in Shiga Prefecture
ICT Networks are introduced in Shiga Prefecture by connecting among hospitals, clinics without pathologists, facilities that make biological specimens and organizations that have pathologists.
Tele-pathology systems have been realized based on tele-reporting and virtual slides of biological specimens have been realized under the links of networks.
The shortage of pathologists who make diagnosis of cancer has been resolved by offering high quality and speedy pathology using effectively ICT Technologies.
As a result of these activities, local medical services have been realized very effectively and in timely procedure... .
- b) Common ID for several systems: Niihama City in Ehime Pref. in Shikoku developed an infrastructure, in which IDs are shared by several systems, such as healthcare, medical care, information of aged persons and those who need care.
- c) K-MIX, Kagawa Medical Internet eXchange: K-MIX is a telemedicine network operated jointly by the Department of Medical Informatics, Kagawa University

Hospital, the Prefectural Government of Kagawa and the Kagawa Medical Association .

- d) Satellite Office Project: Kamiyama Town in Tokushima Prefecture in Shikoku Island developed an environment of high speed broadband and is renting old houses for entrepreneur, resulting in revitalizing rural areas.

The course also includes technical observation visits to the facilities related to ICT usage, such as:

- e) The research center of NTT in suburban area of Tokyo
- f) The research center of SECOM, a provider of security service in suburban Tokyo
- g) ICT manufacturer, NEC at the center of Tokyo
- h) NIED (National Research Institute for Earth Science and Disaster Prevention) in Tsukuba City of Chiba Pref.
- i) JAXA (The Japan Aerospace Exploration Agency) in Tsukuba City of Chiba Pref.
- j) Data communication service provider, NTT DATA in suburban Tokyo

In addition, the course has a program of country reports and group discussions, which also form important parts in this training course.

6. Schedule:

Please refer to the attached schedule (**Appendix 1 to Annex 2**) that is subject to change for elaboration and/or adjustment reasons.

7. Venue:

BHN Association (BHN)

Address: NTT Ueno Building, 5-24-11, Ueno, Taito-ku, Tokyo 110-0005, Japan

URL: <http://www.bhn.or.jp>

Tel : +81-3-6803-2110 Fax: +81-3-6803-2134

Person in Charge: **Mr. Kousuke Dobashi / Mr. Toshikazu Kimura**

Division: Training Department

E-mail: dobashi@bhn.or.jp / kimurat@muh.biglobe.ne.jp

8. Reception at the Airport:

- On their arrival at Narita International Airport/Haneda International Airport, the participants will be met by the host organization's travel agency staff and guided to their hotel.
- At the time of check-in at their hotel, the participants will be given necessary information by the host organization.
- Basically, we advise all the participants how to reach the hotel from the Narita International Airport, so that each participant can reach to the hotel by using the airport limousine bus for Shinjuku Washington Hotel. (Scheduled Duration:

approx. 2 hours) For details, please refer to the following website http://www.limousinebus.co.jp/en/platform_searches/index/2/20Bus. (Timetables, maps, travelling time and fares information of Shinjuku Washington Hotel), However, we will dispatch our staffs to Narita International Airport to meet the participants who need special assistance.

9. Hotel accommodation:

Shinjuku Washington Hotel (Main Building)

3-2-9 Nishi-Shinjuku, Shinjuku-ku, Tokyo 160-8336, Japan

Tel: +81 3 3343-3111 Fax: +81 3 3342-2575

URL: <http://www.shinjuku-wh.com/english/>

10. Immigration Requirements:

All foreign visitors entering Japan must have a valid passport.

- Participants requiring visa should apply to Japanese diplomatic mission (embassies and consulates etc.) in their own countries (or to Japanese diplomatic mission directly in charge of the participant's country) as soon as possible.
- Kindly check current visa requirement with the Embassy of Japan or Travel Agent before traveling, or visit the website of the Ministry of Foreign Affairs of Japan at URL: http://www.mofa.go.jp/j_info/visit/visa/index.html
- For your smooth visa application, visa supporting letters written in Japanese will be provided by BHN and will be sent directly to the participants.

11. Photograph:

The participants are requested to bring **one copy of a recent photograph** (within 6 months) in a size of 3 centimeters by 3 centimeters for a participant list.

12. At Japanese Custom Office:

- Japanese customs is fairly lenient and allows bringing in items necessary for personal use, however, firearms and other types of weapons and narcotics are strictly prohibited.
- For details please refer to the following website of Japanese Customs: <http://www.customs.go.jp/english/summary/passenger.htm>

13. Weather:

It's cold winter in Tokyo during the training period. Average temperature in the daytime is about 10-degree Centigrade. Coat, (maybe muffler and glove too) will be necessary

Although winter in Tokyo is relatively mild compared to other parts of Japan, dry with little chances of rain or snow, in some cases temperature may drop as low as single digit number in degrees Celsius (1 degree to 9 degrees Celsius) or even to the freezing point especially in the early mornings or after the sunset and **chances of snow** or cold rain cannot be totally denied. Strong northerly wind may blow during

this season and the wind-chill effect makes one feel colder than the actual air temperature.

The Shiga, Ehime, Kagawa and Tokushima Prefectures are situated at approximately from 450 to 500 Km. southern from Tokyo.

Therefore, the temperature of these areas is higher than in several degrees Celsius compared with that of Tokyo.

The chances of snow there is rather lower than in Tokyo.

Also, **rain gear such as umbrella are also essential**. In Japan, it can rain, sometimes all through the day, in any season of the year.

The latest weather information will be obtained at:

<http://www.jma.go.jp/en/yoho/index.html>

(See the weekly forecast to obtain the weather, highest and lowest temperatures expected of each day of the corresponding week. – “Get more information on this area” -> pull down menu -> select “One-week forecasts”)

14. Additional Advices

It is advised that participants bring shoes suitable and comfortable for walking, as in principle, public transportation system (Metro, Trains and Buses) will be used during the training and it sometimes requires certain distance of walking to and from and between stations, bus stops and training venues and hotel of participants' accommodation.

Public transportation: For the site visits and lectures during the course, we will use mainly public transportations such as bullet trains, subways, local trains, rental buses, taxis and domestic airline, etc. During the period when we visit far outside of Tokyo, however, we will charter a bus for the reason of securing efficient and safe transit of trainees with many large pieces of baggage. Please refer to our training schedule for details.

15. Electric Current:

Please note that commercial electricity in Tokyo is at **AC 100V 50Hz** with American type outlet plugs (**Type A Class II**). We ask that participants **bring transformer and plug adapter (American type outlet plug)** if they wish to use their own PCs in Japan.

16. Secretariat:

Contact persons: **Mr. Kousuke Dobashi / Mr. Toshikazu Kimura**

Division: Training Department

Company name: BHN Association

Address: NTT Ueno Bldg. 5-24-11 Ueno, Taito-ku, Tokyo 110-0005、 Japan

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E-mail: dobashi@bhn.or.jp / kimurat@mu.biglobe.ne.jp

17. Notes:

The host organization's business hours are from **9:00AM to 5:30PM**, from Monday to Friday. They do not work on Saturdays and Sundays. Messages sent to them will be received only during working hours.

Also beware of the **time difference**, Japan is ahead of most other countries.

(Japan Standard Time is **UTC +9 hours**. Japan does not observe daylight saving time.)

That means their office will be closed earlier than in the cases of most of the participants' countries.

Japanese Embassies and Consulates in the applicants' countries may also close on Japanese national holidays.

18. Regulation:

- not to bring any member of his/her family;
- not to change accommodation during training period;
- to participate in the course from the beginning to the end; and
- to return his/her home country at the end of their training course according to the international travel schedule designated by APT.

Participants are required to comply with instructions given by APT and the local host. (Further information on the requirement is found in the "Guidelines for APT fellowships under HRD Programme (2013)" and other related document).