

**General Information on APT Training Course**  
**(Funded by Extra Budgetary Contribution of Japan (J1))**

1. **Title of Training Course:** Practical Technologies and their Implementation of Small Scale Telecommunications for the Rural Area (with Technical Practice)
2. **Organization (hosted by):** KDDI Foundation
3. **Duration:** 5 – 14 November 2014 (excluding arrival and departure dates)
4. **Place:** KDDI Foundation  
KDDI Meeting Room at Chiyoda-ku, Tokyo

**5. Abstract and Objectives**

It is expected to expand the broadband telecommunications to resolve the digital divide in Asia Pacific region. However, as contrasted with the increase and convenience of the broadband telecommunication services in the urban area, there are still digital divide in the rural area. Although the telecommunication traffic of the rural area is relatively small and thin, telecommunication system for disaster or urgent situation of the area is becoming more important.

The wireless telecommunication technologies, such as WiFi and WiMAX technologies, Femtocell for cellular system, VSAT system and INTERNET via satellite, are the solution for the rural telecommunications bridging the digital divide.

This training course is to support trainees not only obtaining knowledge of network design but also experiencing the setting up of the rural telecommunication system.

**6. Schedule:**

| Date          |    | Plan  | Name of Lecturer or Organizer | Venue             |
|---------------|----|---|-------------------------------|-------------------|
| Nov. 4 (Tue.) |    | (Arrival)   |                               |                   |
| Nov. 5 (Wed.) | AM | Orientation   | KDDI Foundation               | KDDI Meeting Room |
|               |    | Opening Session   |                               |                   |
|               | PM | Courtesy Visit to the Ministry of Internal Affairs and Communications (MIC) | MIC                           | MIC               |

|                   |    |  |                               |                     |
|-------------------|----|--|-------------------------------|---------------------|
| Nov. 6<br>(Thu.)  | AM | Lecture 1: Telecom Network Construction in Rural Areas and Pilot Projects              | KDDI Foundation               | KDDI Meeting Room   |
|                   | PM | Presentation: Country Report by Participants   | Participants, KDDI Foundation |                     |
| Nov. 7<br>(Fri.)  | AM | Lecture 2: WiMAX Service & Technologies Overview                                       | UQ Communications             | KDDI Meeting Room   |
|                   | PM | Lecture 3: VSAT Technologies   | A2A R&D Inc.                  |                     |
| Nov. 8<br>(Sat.)  |    | (Free)   |                               |                     |
| Nov. 9<br>(Sun.)  |    | (Free)   |                               |                     |
| Nov. 10<br>(Mon.) | AM | Lecture 4: Network System Design for Rural Communications                              | KDDI Foundation               | KDDI Meeting Room   |
|                   | PM | Practice1: Suitable Technologies for Rural Area (from the cases of the Pilot Projects) | KDDI Foundation               |                     |
| Nov. 11<br>(Tue.) | AM | Lecture 5: Design of Server and Applications   | KDDI Foundation               | KDDI Meeting Room   |
|                   | PM | Practice 2: Set up of Server and Applications for Rural Communication                  | KDDI Foundation               |                     |
| Nov.12<br>(Wed.)  | AM | Lecture6&Practice3: Femtocell with Satellite   | KDDI                          | KDDI Meeting Room   |
|                   | PM | Technical Observation/ Advanced Technology Exhibition Hall                             | TEPIA                         | TEPIA               |
| Nov. 13<br>(Thu.) | AM | Technical Observation/ Overview of Network Operation Center (NOC),                     | KDDI                          | KDDI Shinjuku Bldg. |
|                   | PM | Preparation of Presentation Materials by Participants: Result of Training              | Participants, KDDI Foundation | KDDI Meeting Room   |
| Nov. 14<br>(Fri.) | AM | Presentation & Discussion by Participants: Result of Practice                          | Participants, KDDI Foundation | KDDI Meeting Room   |
|                   | PM | Closing Session  | KDDI Foundation               |                     |
| Nov. 15<br>(Sat)  |    | (Departure)  |                               |                     |

There may be minor change in some subjects.

## 7. Country Report Preparation:

Each participant is requested to send his/her country report regarding the situation of rural area telecommunications by e-mail **no later than 31 October 2014**. The report will be used for the presentation session during the training course. Each participant will be given ten (10) minutes for his/her presentation and five (5) minutes for questions and answers.

At this time, a Power Point will be available as presentation aids. The report is consisted of the following components;

General information of the country, introduction of his/her organization, current condition and digital divide of rural area telecommunications, and so on.

**8. Venue:**

Organization: KDDI Foundation  
Address: Garden Air Tower, 3-10-10 Iidabashi, Chiyoda-ku, Tokyo  
102-8460, Japan  
Training Department: Tel: +81 3 6328 3040 Fax: +81 3 6328 3053  
URL: <http://www.kddi-foundation.or.jp/english/>  
Persons in Charge: Mr. Yuki Umezawa (e-mail: [training@kddi-foundation.or.jp](mailto:training@kddi-foundation.or.jp);) )

**9. Reception at the Airport:**

On their arrival at the Airport, the participants will be met by KDDI Foundation staff who will prepare supports for the trainees to get domestic transportations from the Airport to the hotel and return.

For more information of the airport as given below:

International Airport: Narita International Airport / Haneda International Airport

Public Transportation and Travel Time: 90 minutes by airport limousine bus to the Hotel  
from Narita International Airport, and 60 minutes from Haneda International Airport.

**10. Hotel accommodation:**

Hotel name: **Metropolitan Hotel**  
Address: 6-1, 1-chome, Nishi-Ikebukuro, Toshima-ku, Tokyo 171-8505, Japan  
Tel: +81 3 3980 1111 Fax: +81 3 3980 5600  
URL: <http://www.metropolitan.jp/e/index.html>

**11. Immigration Requirements:**

All foreign visitors entering into 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](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 KDDI Foundation and will be sent directly to the participants.

**12. Photograph:**

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

**13. At Japanese Custom Office:**

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

**14. Weather:**

The month of November in Tokyo area is in Autumn. Weather is quite stable and generally pleasant, not too hot and not too cool.

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

**15. Electric Current:**

In Eastern Japan including Tokyo, all electric appliances are working with voltage of 100V and frequency of 50 Hz. Outlet plug is American Type. If you intend to use your own personal computer in Japan, you are advised to bring transformer and plug adapter.

**16. Secretariat:**

**Mr. Yuki Umezawa**

Director of International Cooperation Department

KDDI Foundation

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Tokyo 102-8460, Japan

Tel: +81-3-6328-3040

Fax: +81-3-6328-3053

Email: [training@kddi-foundation.or.jp](mailto:training@kddi-foundation.or.jp)

**17. Additional Advices:**

It is advised that participants bring shoes suitable and comfortable for walking, as in principle, public transportation system will be used during the training and it sometimes requires certain distance of walking to and from and between training venues.

**18. 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.**

Please also note that **November 3<sup>rd</sup> (Mon) is national holiday** in Japan and host organization's office will be closed.

**19. 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)

**20. Others:**

In order to facilitate efficient management and document handling process, use of electronic documents is encouraged during the training. Hardcopy of the documents will be provided only upon request. Participants are encouraged to bring their Laptop computer to the training.