



World Meteorological Organization
Organisation météorologique mondiale

Secrétariat

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Weather • Climate • Water
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Our ref.: ETR/CRS-114

GENEVA, 28 November 2013

Annexes 2 (available in English only)

Subject: International Training Course on Weather Radar Operation, from 2 to 15 March 2014, Seoul, Republic of Korea

Action required: For information and appropriate action, as necessary

Dear Sir/Madam,

I have the pleasure to inform you that the Korea Meteorological Administration (KMA) will host an International Training Course on Weather Radar Operation from 2 to 15 March 2014 at the KMA headquarters, Seoul, Republic of Korea for 20 participants from National Meteorological and Hydrological Services (NMHSs) of WMO Regional Association I (Africa), Regional Association II (Asia), and Regional Association V (South-West Pacific) as part of contribution of KMA to the WMO Integrated Global Observing System (WIGOS) implementation.

The course aims at enhancing human capabilities for severe weather forecasting and warning using weather radar at NMHSs, in particular of the developing countries and Least Developed Countries (LDCs). The course will be designed for both meteorologists and technicians/engineers who are involved in introducing and operating weather radar, and applying products to weather forecasts. It will include lectures and case studies on weather radar observation and operation techniques; weather radar purchase and set-up; weather radar data production, analysis and applications; site visits; and action learning for action planning for participating Members. Enclosed are the course information (see Annex I) and participant nomination form (see Annex II).

Interested candidates are requested to complete the attached nomination form, (Annex II), which should be endorsed by the Permanent Representative of the respective country with WMO and sent **directly to the KMA Fax: +82 2 833 0429 or e-mail: jeongheek@korea.kr as soon as possible but not later than 20 December 2013.**

Yours faithfully,

(E. Manaenkova)
for the Secretary-General

To: Permanent Representatives of Members of Regional Association I (AFR-776)
Permanent Representatives of Members of Regional Association II (ASE-632)
Permanent Representatives of Members of Regional Association V (PSW-443)

cc: Hydrological Advisers to Permanent Representatives

WORLD METEOROLOGICAL ORGANIZATION

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ETR/CRS-114, ANNEX I

**International Training Course on Weather Radar Operation
2-15 March 2014
Korea Meteorological Administration
Seoul, Republic of Korea**

COURSE INFORMATION

Dates and Venue

The training course will be held from 2-15 March 2014 at the Korea Meteorological Administration (KMA) headquarters located in Seoul, Republic of Korea (website: <http://web.kma.go.kr/eng/index.jsp>).

Number of Participants

20 participants from NMHSs of WMO RA I, RA II, and RA V

Language

The course will be conducted in English.

Purpose and Objectives

The purpose of the course is to enhance human capabilities for weather radar services at NMHSs, in particular of the developing countries and least developed countries (LDCs), in line with their national WIGOS implementation.

Through the course, participants will acquire knowledge about: (1) weather radar theories; (2) weather radar hardware and software for operation and applications; and (3) lessons and best practices on introducing weather radar(s) and establishing the weather radar network.

Contents

The course is designed for both technicians and engineers who are involved in introducing, operating and managing weather radar, consisting of the following four modules:

Module I: Weather Radar Observation

- Weather radar basics
- Composition of radar system
- Observation theories
- Scan strategy and antenna schedule
- Understanding the function of radar parameter and setting
- Radar observation software
- Characteristics of weather radar raw data and radar products

Module II: Radar Operation Techniques

- Weather radar operation and maintenance
- Radar calibration and verification
- Monitoring radar status

- Spare part and accessory for operation
- Operation software
- On-site practice of weather radar operation

Module III: Weather Radar Purchase and Set-up

- Current status of radar hardware market
- Procedures of purchasing weather radar
- Procedures of weather radar set-up and things to be considered
- Establishment of weather radar network

Module IV: Action Learning

- Country reports
- Action planning to improve radar observation and its applications

Qualification of Participants

The following criteria should be considered in selecting candidate(s):

- *Education Level:*
Meteorologist, meteorological technician, hydrologist, or hydrological technician (WMO classification of personnel)
- *Position/Task:*
Responsible for radar maintenance, operation or utilization
- *Experience:*
At least 3 years of relevant working experiences
- *Language:*
To be proficient in English (If English is not the mother tongue, certificate of proficiency in English is requested.)

Deadline for Nominations

The completed nomination form with the signature of the PR of the relevant WMO Member should be returned to the MA (jeongheek@korea.kr) with a copy for the WMO Secretariat **not later than 20 December 2013**.

Country Report

Final participants should submit their country report on general and radar services of their NMHS in MS PowerPoint or Word to jeongheek@korea.kr by 15 February 2014.

Financial Support

It is requested that governments contribute to the expenses related to the participation of their respective nominees, in particular the cost of air tickets. However, if this is not possible, requests for financial assistance can be indicated on the participants nomination form, and these will be considered within the limited funds available in KMA for the course.

Insurance

Participants will be provided with travel insurance for the period of the stay in the Republic of Korea with a minimal range of coverage, and accept limited responsibility for the event that the insurance covers.

Entry Requirements

Foreigners wishing to enter the Republic of Korea should hold valid passports. Most visitors with confirmed round-trip tickets may stay for 15 days without a visa, although this does not apply to certain nationalities. Any visitors from countries with no diplomatic relations or no special visa exemption arrangements with the Republic of Korea should obtain an entry visa before entering the country. *When uncertain as to the requirements for entry visa to the Republic of Korea, please contact your local Embassy or Consulate as soon as possible.* For more information, please visit the website of the Ministry of Foreign Affairs of the Republic of Korea at <http://www.mofa.go.kr/ENG/visa/application/index.jsp>.

Local Climate

Climate data for the duration of the course in Seoul are listed below:

Mean precipitation	1.5mm
Mean humidity	59.0%
Mean temperature	4.2°C
Mean min. temp.	0.2°C
Mean max. temp.	8.7°C

Contact

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ETR/CRS-114, ANNEX II

International Training Course on Weather Radar Operation
2-15 March 2014
Korea Meteorological Administration
Seoul, Republic of Korea

PARTICIPANT NOMINATION FORM

The Government of _____ nominates the following candidate as a participant in the above mentioned training course:

- 1. Family Name:
- 2. First Name:
- 3. Middle Name:
- 4. Gender: Male Female
- 5. Date of Birth:
- 6. Nationality:
- 7. Passport Number and Place and Date of Issue:
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- 8. Passport Expiry Date:
- 9. Organization:
-
- 10. Address of Organization:
-
- Tel.: Fax:
- E-mail:
- 11. Education and Profession:
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.....
- 12. Present Position and Brief Description of Duties:
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.....
- 13. Native Language*:

** In case English is not the nominee's mother tongue, please attach certificate of proficiency in English, such as TOEIC and TOEFL (recommendation).*

14. We have operational weather radar(s): YES NO
(If YES) Number of operational weather radars:
- (If NO) We have a plan to introduce a weather radar in the near future:
 YES (Target Year:) NO
15. The nominee has experiences on:
- Introduction of weather radar
 YES (how many times:) NO
 - Operation of weather radar
 YES (how many years:) NO
 - Analysis of weather radar products
 YES (how many years:) NO
16. What do you wish to achieve by having your candidate participate in this course?
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17. Do you request financial assistance from KMA? YES NO
If YES:
- Air Ticket: YES NO
 - Daily Subsistence Allowance: YES NO
 - If financial assistance is unavailable, will this prevent you from attending the course? YES NO
18. Name, address and phone number of a person to be notified in case of emergency:
.....
.....
19. Name and Signature of Permanent Representative:
.....
20. Date:

Please complete and return this form no later than 20 December 2013 to:

Dr KIM Jeong-hee (Ms)
Senior Researcher
Radar Operation Division
Korea Meteorological Administration
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E-mail: jeongheek@korea.kr
