



Our ref.: ETR/CRS-1212

GENEVA, 18 July 2012

Annexes: 2 (available in English only)

Subject: The 6th International Training Course on Meteorological Telecommunication and WMO Information System, from 1 to 6 October 2012, Antalya, Turkey

Action required: For information and appropriate action, as necessary

Dear Sir/Madam,

I have the pleasure to inform you that the Republic of Turkey will host the 6th International Training Course on Meteorological Telecommunication and WMO Information System from 1 to 6 October 2012 in Antalya, Turkey.

This course is designed to provide participants with knowledge on main aspects of WMO Information System (WIS) and its applications and metadata as well as the Migration to Table Driven Code Forms and BUFR. The main objective of this course is to enlighten the participants on current applications and providing useful information which will be possible to perform at their Services. The training course will be conducted in English.

The tuition fee will be waived by the Turkish State Meteorological Service (TSMS). Full board accommodation, including bed, breakfast, lunch, dinner, and local transfers between Antalya Airport for only one accepted participant from each country will be covered by TSMS. The international travel costs including round trip tickets and transit fares are to be covered by the participants themselves or their respective Governments. Attached please find the Course Information (Annex I) and the Participant Nomination Form (Annex II).

The nominated participants are requested to complete the attached Participant Nomination Form, which should be endorsed by the Permanent Representative of their respective countries, and to send it directly to the given address of RTC Turkey not later than **3 September 2012**.

Yours faithfully,

(E. Manaenkova)
for the Secretary-General

To: Permanent Representatives of Members of Regional Association I (AFR-766)
Permanent Representatives of Members of Regional Association II (ASE-610)
Permanent Representatives of Members of Regional Association VI (EUR-722)

cc: Hydrological Advisers to Permanent Representatives

WMO RTC-TURKEY
The 6th International Training Course on Meteorological Telecommunication and WMO Information System
1-6 October 2012
Antalya, TURKEY

COURSE INFORMATION

1. Course Aims

In meteorology, the accuracy of data and the rapidness of data transfer have a vital importance. In this context, telecommunication quality and technological development on communication techniques have a very important role for meteorological organizations. In parallel with the technological development, the meteorological data format and the IT infrastructures of NMHSs have been improving. Training activities have a very important role for adapting these changes and updates. This course is designed to provide participants with knowledge on main aspects of WMO Information System (WIS), WIS applications and metadata as well as the Migration to Table Driven Code Forms and BUFR. The main objective of this course is to enlighten the participants on current applications and providing useful information which will be possible to perform at their Services.

2. Course Content

The programme of the course will be composed of modules, and the main topics of the course are listed below. The lectures will be followed by the individual presentations.

- WMO Information System (WIS)
- WIS applications, DAR Metadata
- Open source data dissemination tool
- Migration to Table Driven Code Forms (MTDCF)
- Turkish State Meteorological Service: A specialized software for communication and meteorological applications (METCAP)
- Participants' Presentations (Optional)¹

Detailed course programme will be sent to the accepted participants in due time.

3. Instructors

Dr Eva CERVENA - Chair of Task Team on Migration to Table Driven Code Forms, Mr Markus HEENE - WIS Project Manager of DWD, an Expert from WMO, and Experts from the Turkish State Meteorological Service.

4. Course Dates and Venue

1-6 October 2012, Antalya, Turkey. The course will be conducted at an hotel in the Antalya region. The participants will be informed about the exact venue in due time. Due to the facilities at the hotel, probably no PCs would be available for the participants. It is strongly recommended to the participants to bring their portable computers.

5. Course Language

The course will be conducted in English.

¹ The presentations will be in MS PowerPoint format and each presentation will not exceed the period of 15 minutes.

6. **Qualification of Participants**

This course is designed for the meteorological experts who have the considerable experience and qualifications on Meteorological Telecommunication System and Meteorological Data Formats. Fluency in English is essential. The candidates should be aware of Migration to Table Driven Code Forms and the national migration plans should be ready to present along the course period.

7. **Deadline for Nominations**

The course is limited to 20 participants. Interested candidates are requested to complete the attached Nomination form (Annex II) and return it to the Turkish State Meteorological Service with a copy to the WMO Secretariat no later than **3 September 2012**.

8. **Payment of Registration or Tuition Fees**

Tuition fees will be waived and all administrative expenses of the course will be covered by Turkish State Meteorological Service (TSMS).

9. **Air fare Costs**

The international travel expenses between Antalya, Turkey and the home town of participants will have to be borne by the recipient Members or by other means. Please note that there will be no travel support by TSMS.

10. **Local Transfers**

All local transfers between Antalya Airport and the Course Venue will be provided by WMO RTC-Turkey at no cost.

11. **Accommodation and Food**

WMO RMTTC-Turkey will provide **full board** accommodation, including **room, breakfast, lunch, dinner, and coffee breaks** for one participant from each country. Please note that there will be no per diem allowance payable for the participants.

12. **Cultural Programme**

An excursion programme including the natural, historical and cultural heritage of Antalya will be organized for participants on 6 October 2012.

13. **Insurance**

Participants are fully responsible for any expenses in the event of death, illness or injury attributable to the attendance at course, and for arranging for such life, health and other form of insurance as they consider appropriate. The participants are highly recommended to make a travel insurance which covers their travel and visit period. TSMS accepts no responsibility for compensation in such events.

14. **Climate Data for the Period of the Course**

Climate data for Antalya during October are given below:

Mean precipitation	: 74.8mm
Mean humidity	: 56%
Mean temperature	: 19.8 C°
Mean maximum temperature	: 26.7 C°
Mean minimum temperature	: 14.9 C°
Mean sea-water temperature	: 24.0 C°

15. Contacts

Mr Murat ALTINYOLLAR

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RTC-Turkey Web Page: <http://www.rtc.dmi.gov.tr/>

**The 6th International Training Course on
Meteorological Telecommunication, WIS and TDCF
(1-6 October 2012, Antalya, Turkey)**

DRAFT TIMETABLE

DAY	HOUR	SUBJECT	LECTURER
	00:00	REGISTRATION AND CHECKING IN	
		Registration Information System	Expert from WMO
		Coffee Break	
0-15:45		Meteorological Telecommunication	TSMS
		Coffee Break	
0-16:45		Meteorological Telecommunication	TSMS
0-09:45		Implementation guidance for NC/DCPC Centres	Expert from WMO
		Coffee Break	
0-10:45		WIS architecture and/or the formal WIS centre nomination procedures	Expert from WMO
		Coffee Break	
0-11:45		Introduction to MTDCF	Eva Cervena
		Lunch	
0-13:45		Introduction into DAR Metadata	Marcus Heene
		Coffee Break	
0-14:45		Tools for DAR Metadata Generation, Validation and Maintenance	Marcus Heene
		Coffee Break	
0-15:45		Tools for DAR Metadata Generation, Validation and Maintenance	Marcus Heene
		Coffee Break	
0-16:45		Meteorological Telecommunication	TSMS
0-09:45		WIS data communication network	Expert from WMO
		Coffee Break	
0-10:45		WIS data communication network	Expert from WMO
		Coffee Break	
0-11:45		Review DAR Metadata for some WIS NC which participate the course	Marcus Heene
		Lunch	
0-13:45		Review DAR Metadata for some WIS NC which participate the course	Marcus Heene
		Coffee Break	
0-14:45		General Philosophy of TDCF	Eva Cervena
		Coffee Break	
0-15:45		BUFR Code Form	Eva Cervena
		Coffee Break	
0-16:45		BUFR Code Form	Eva Cervena

Monday

Tuesday (2.10.2012)

Wednesday (3.10.2012)

Thursday (4.10.2012)	09:00-09:45	Hands-on Implementation of DAR Metadata	<i>Marcus Heene</i>
	<i>Coffee Break</i>		
	10:00-10:45	Open source data dissemination tool (AFD)	<i>Marcus Heene</i>
	<i>Coffee Break</i>		
	11:00-11:30	<i>Meteorological Telecommunication</i>	<i>TSMS</i>
	<i>Lunch</i>		
	13:00-13:45	GTS aspects of MTDCF	<i>Eva Cervena</i>
	<i>Coffee Break</i>		
	14:00-14:45	BUFR/CREX Templates and Regulations	<i>Eva Cervena</i>
	<i>Coffee Break</i>		
	15:00-15:45	WMO and Regional Migration Plans	<i>Eva Cervena</i>
	<i>Coffee Break</i>		
16:00-16:45	<i>OPTIONAL</i>		

Friday (5.10.2012)	09:00-09:45	Frequently asked questions	<i>Eva Cervena</i>
	<i>Coffee Break</i>		
	10:00-10:45	Frequently asked questions	<i>Eva Cervena</i>
	<i>Coffee Break</i>		
	11:00-11:45	<i>TSMS – Migration to TDCF</i>	<i>TSMS</i>
	<i>Lunch</i>		
	13:00-13:45	<i>TURKMETCAP Software</i>	<i>TSMS</i>
	<i>Coffee Break</i>		
	14:00-14:45	<i>Participants' Presentations (Optional)</i>	
	<i>Coffee Break</i>		
	15:00-15:45	<i>Course Evaluation, Questions and Answers</i>	<i>All</i>

WORLD METEOROLOGICAL ORGANIZATION



ETR/CRS-1212, ANNEX II

WMO RTC-TURKEY
The 6th International Training Course on
Meteorological Telecommunication and WMO Information System
1-6 October 2012
Antalya, Turkey

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 (underline) Male Female
5. Date of Birth
6. Nationality
7. Passport Number and Place and Date of Issue
8. Passport Expiry Date
9. Organization
10. Address of Organization
Tel: Fax:
E-Mail:
11. Education and Profession
12. Present Position and brief description of duties
13. Mother Tongue:

14. Name, address and Phone number of person to be notified in case of emergency

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15. What do you wish to achieve by having your candidate participate in this course?

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16. Name and Signature of Permanent Representative.....

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17. Date.....

Please complete and return this form no later than **3 September 2012**.

TO:

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