

## WMO OMM

WEATHER CLIMATE WATER  
TEMPS CLIMAT EAU



World Meteorological Organization  
Organisation météorologique mondiale  
Organización Meteorológica Mundial  
Всемирная метеорологическая организация  
المنظمة العالمية للأرصاد الجوية  
世界气象组织

### Secrétariat

7 bis, avenue de la Paix – Case postale 2300  
CH 1211 Genève 2 – Suisse  
Tél.: +41 (0) 22 730 81 11  
Fax: +41 (0) 22 730 81 81  
wmo@wmo.int – public.wmo.int

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10 de marzo de 2017

Anexos: 2 (disponibles en inglés solamente)

Asunto: Curso internacional de formación sobre "El paquete de visualización MetcapPlus y el programa informático TAC2BUFR" (24 a 28 de abril de 2017, Alanya, Antalya, Turquía)

Finalidad: Para información y para que se adopten las medidas pertinentes, según proceda

Estimado señor/Estimada señora:

Me complace informarle de que la República de Turquía acogerá un Curso internacional de formación sobre "El paquete de visualización MetcapPlus y el programa informático TAC2BUFR", del 24 al 28 de abril de 2017, en las instalaciones del Centro Regional de Formación (CRF) de la Organización Meteorológica Mundial (OMM) en Alanya (Turquía).

El Curso, que está destinado a meteorólogos y predictores, se impartirá en inglés. El Servicio Meteorológico Estatal de Turquía eximirá a un solo participante por cada país del pago de la matrícula y le proporcionará alojamiento en régimen de pensión completa (que incluye alojamiento, desayuno, almuerzo y cena) y los traslados locales. Los gastos de viajes internacionales, incluidos los billetes de ida y vuelta y las tarifas de tránsito, correrán a cargo de los propios participantes o de sus respectivos Gobiernos. Se adjuntan información sobre el Curso (Course Information) y el formulario de designación (Nomination Form).

Se ruega a los candidatos interesados que cumplimenten el formulario de designación adjunto, que debe ser firmado por el Representante Permanente de su país respectivo, y que lo envíen directamente al CRF de Turquía (al señor Enver Erbas: [erbas@mgm.gov.tr](mailto:erbas@mgm.gov.tr)) a más tardar el **31 de marzo de 2017**.

Le saluda atentamente.

(W. Zhang)  
por el Secretario General

A los Representantes Permanentes (o Directores de los Servicios Meteorológicos o Hidrometeorológicos) de los Miembros de la OMM

copias: Asesores hidrológicos de los Representantes Permanentes

**INTERNATIONAL TRAINING COURSE ON  
"METCAPPLUS VISUALIZATION PACKAGE and TAC2BUFR SOFTWARE"**  
(Alanya, Turkey, 24-28 April 2017)

**COURSE INFORMATION**

**1. General information**

One of the most important steps of weather forecasting is to visualize observations from different sensors and centers and combine them with numerical models to simplify the forecasters heavy tasks. Observation types may vary from synoptic codes from traditional stations to scanning data from brand new radar systems.

The Turkish State Met Service (TSMS) developed a visualization package named MetcapPlus (Meteorological Communication and Application Package) by using its own capabilities and staff to handle huge data from observation systems and numerical models. This package has already been developed to fulfil demands from the users.

TSMS are keen to share this package with the other Met Services and state entities, like universities, free of charge. MetcapPlus has already been donated and installed to the centers of many demanding organizations including universities.

WMO has defined schedules to switch from traditional code formats to BUFR in some observation types like synoptic and upper-air. Some Met Service are still unable to send their observations in BUFR format to GTS for various reasons. The software package developed by TSMS converts the Traditional Alphanumeric Codes (TAC) to BUFR format and sends both created BUFR bulletin and classical bulletin to the Regional Telecommunication Hubs (RTHs). This small package may also be used by any meteorological organization.

**2. Objectives**

The objectives of the course on MetcapPlus are to provide information about the package and make the participants competent in:

- Installation of the package
- Creating user defined maps
- Creating actual charts
- Creating NWP charts
- Creating forecast graphics for any point
- Using satellite data from EUMETSAT to create different products
- Using radar data to create charts
- Combining actual data with NWP, satellite and radar data.
- Skewt diagram
- Aviation charts
- Brief information about BUFR code
- Converting TAC synoptic observations to BUFR
- Converting TAC upper-level observations to BUFR
- TAC2BUFR RTH connection settings

**3. Content**

- Introduction to meteorological charts
- BUFR code
- Contouring different parameters
- NWP products from different centers in different formats
- Synoptic code
- TEMP code
- Significant weather charts in BUFR

- Analysing Skewt diagram
- Updating station catalogue
- METAR and SPECI observations
- TAF reports
- Adding products to dashboards
- Weather monitoring and warnings
- Introduction to TAC2BUFR software

#### **4. Course format**

The course will consist of group learning activities, case studies, and field trips.

#### **5. Course language**

The course will be conducted in English and all documentation will be in English. No translation/interpretation services will be provided.

#### **6. Venue of the course**

The training course will be held in Alanya Facilities of the WMO RTC in Turkey, located at:

Atatürk cad. Meteoroloji sokak, No:3  
Saray Mahallesi  
Alanya, ANTALYA  
TURKEY



#### **7. Travel and accommodation arrangements**

The Turkish State Meteorological Service (TSMS) will waive the tuition fee and provide full board accommodation, including bed, breakfast, lunch, dinner, and local transfers for only one accepted participant from each country. The international travel costs, including round trip tickets and transit fares, are to be covered by the participants themselves or their respective Governments. Please be informed that no additional per diem and/or travel costs will be paid and the participants are expected to arrive on 23 April 2017 and depart on 29 April 2017. As the TSMS will arrange transportation to and from the airport to Alanya Facilities of the RTC Turkey, the accepted participants will be required to provide their international arrival/departure details to the course coordinator well in advance.

#### **8. Eligibility**

This training course is open to one participant from each country and aimed at the meteorologists and forecasters who studied meteorology and who have a good command of English. The candidates must be familiar with windows PCs and programs.

#### **9. Deadline for application**

Interested candidates are requested to complete the attached Nomination Form, and send it together with their passport copy directly to the course coordinator by **31 March 2017**.

#### **10. Required documents for application**

- (a) Nomination Form: The attached Nomination Form should be completed and then endorsed by the Permanent Representative of their respective countries, and sent directly to the course coordinator, Mr Enver Erbaş, by e-mail to [eerbas@mgm.gov.tr](mailto:eerbas@mgm.gov.tr);

- (b) Photocopy of passport: Applicants should submit a copy of their passport with the Nomination Form, where their full names, date of birth, nationality, gender, passport number, and expiration date should be clearly visible.

**11. Course coordinator**

For any information regarding the course and local logistics arrangements, participants may contact:

Mr Enver Erbař  
Course Coordinator  
External Relations Division  
Turkish State Meteorological Service  
Phone: +90 312 203 29 25  
E-mail: [eerbas@mgm.gov.tr](mailto:eerbas@mgm.gov.tr)

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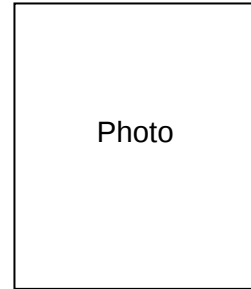
**INTERNATIONAL TRAINING COURSE ON  
"METCAPPLUS VISUALIZATION PACKAGE and TAC2BUFR SOFTWARE"**  
(Alanya, Turkey, 24-28 April 2017)

**NOMINATION FORM**

**Note:** Please complete the form in **TYPED CAPITAL LETTERS** and get it scanned in PDF version, send **directly to RTC-Turkey** by e-mail with a passport copy **not later than 31 March 2017**.

**I. Personal Data**

1. Surname \_\_\_\_\_
2. Given Name \_\_\_\_\_
3. Gender \_\_\_\_\_
4. Date of Birth \_\_\_\_\_
5. Passport Number \_\_\_\_\_
6. Nationality \_\_\_\_\_
7. Health Condition \_\_\_\_\_



8. History of infectious disease: ☐ No ☐ Yes

(If yes, please specify \_\_\_\_\_)

9. Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mobile phone: \_\_\_\_\_ Telephone \_\_\_\_\_

E-mail Address: \_\_\_\_\_@\_\_\_\_\_

10. Contact person in case of emergency:

Name: \_\_\_\_\_

Mobile phone: \_\_\_\_\_ Telephone \_\_\_\_\_

E-mail Address: \_\_\_\_\_@\_\_\_\_\_

11. Name of institute (Department/Division/Section)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

12. Position held \_\_\_\_\_

13. Brief description of duties

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Educational and/or professional qualification

Date                      Major and University                      Degree/Diploma

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15. Language Proficiency

Mother Tongue \_\_\_\_\_

*English Proficiency (Please tick):*

|            |              |         |         |         |
|------------|--------------|---------|---------|---------|
| Reading:   | a. excellent | b. good | c. fair | d. poor |
| Listening: | a. excellent | b. good | c. fair | d. poor |
| Speaking:  | a. excellent | b. good | c. fair | d. poor |
| Writing:   | a. excellent | b. good | c. fair | d. poor |

16. State why you wish to attend the course and indicate the practical use of the course to your work in the future.

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**II. Financial Support**

Do you need local support from RTC-Turkey?

☐ No      ☐ Yes

If you require international travel support, to whom do you intend to apply?

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Depart City & Airport: \_\_\_\_\_

**III. International Insurance**

I fully understand that the course organizer does not take any responsibility for risks such as loss of life, accidents, illness, loss of property, etc.

**IV. Personal Statement**

I hereby declare that the information given above is true, correct and complete. I shall bear the responsibility for the above information.

I pledge to observe all the Turkish laws and will respect the local customs and follow the course regulations during my stay in Turkey for the training course.

Date: \_\_\_\_\_ Signature of Applicant: \_\_\_\_\_

**V. Endorsement of the Nominator**

**Name** of the Permanent Representative (PR) of nominating country with WMO:

\_\_\_\_\_

Date: \_\_\_\_\_ Signature of PR: \_\_\_\_\_

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