

**WMO OMM**

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

Secrétariat

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Ref.: 19943/2023-1.2 MS/ETR

Our ref.: 19943/2023/MS/ETR/FEL

27 September 2023

Annexes: 3 (available in English only)

Subject: WMO Satellite Course on Meteosat Third Generation (MTG).

Action required: For information and appropriate action, as necessary

Dear Sir/Madam,

In support to the capacity development of Meteorologists and Forecasters in National Meteorological and Hydrological Services (NMHSs), the World Meteorological Organization (WMO) Regional Training Centre (RTC) in the Kenya Meteorological Department, Institute for Meteorological Training and Research (KMD/IMTR – RTC Nairobi) designed in collaboration with WMO and EUMETSAT a training course for the development of underpinning skills and knowledge that support the WMO Competencies that relate to the use of satellite data by operational meteorologists in weather forecasting. The training course will enable current and potential English speaking forecasters and Remote sensing experts from WMO Regional Association I (RA-I) to have an in-depth understanding of Meteosat Third Generation (MTG) satellite, the MTG satellite data products and the data applications in line with the required WMO competencies as support to the implementation of MTG in RA I.

The training will run for a duration of 1 week from 20 to 24 November 2023. Annexes I and II to this circular letter contain a brief description of the course, its format, expected learning outcomes, and qualifications to be attained.

You are invited to submit the application of an interested and qualified candidate for consideration. All applications will be reviewed by WMO in collaboration with IMTR – RTC Nairobi. Selection for this course will be made on a competitive basis.

Any interested candidate from countries in WMO RA-I should first apply to IMTR – RTC Nairobi and forward a duly completed application form (Annex III) with the relevant attachments to The Director, (imtr.wmo.rtc.nairobi@gmail.com) with copy to fel@wmo.int no later than **14 October 2023**. Selected candidates will be notified by IMTR – RTC Nairobi and will be contacted by WMO for the preparation of the logistics of the travel. Thereafter, they will receive a Request for Financial Assistance (RFA) form to complete and send back to WMO along with the admission letter and copy of passport no later than **17 October 2023**

To: Permanent Representatives of English speaking Members of Regional Association I (limited distribution)

cc: Hydrological Advisers

I take this opportunity to assure you of my unalloyed commitment to capacity development related activities in support of competency development and thank you for your continued cooperation in this endeavour.

Yours faithfully,

A handwritten signature in black ink, consisting of a series of fluid, connected strokes that form a stylized representation of the name Petteri Taalas.

Prof. Petteri Taalas
Secretary-General

**The Institute for Meteorological Training and Research
(IMTR/WMO – RTC Nairobi)
Kenya**

Ref.: 19943/2023-1.2 MS/ETR

1	Host Member	Kenya
2	Host institution(s)	The Institute for Meteorological Training and Research (IMTR/WMO – RTC Nairobi)
3	Website	https://meteo.go.ke
4	Location(city) of Institution(s)	Nairobi, Kenya
5	Address of Institution	Dagoretti Corner, Ngong Road P.O Box 30259, 00100 Nairobi, Kenya
7	Course type	Face to face at IMTR – RTC Nairobi
8	Main course content	<ul style="list-style-type: none"> • MTG Instruments and working Principles/Mechanisms • MTG new channels, satellite imagery and their applications • MTG RGBs, RGB mechanics and satellite product interpretation • Use and application of MTG data products • Access, processing, manipulation and visualization of MTG data products
9	Duration of study	1 week
10	Course start date	20 to 24 November 2023
11	Target Region and Members	English speaking countries among Regional Association I
12	Basic Requirements	Relevant qualification in Meteorology related to BIP-M, Expert and experience in Remote Sensing
13	Language	English
14	Number of awards	Up to 20 participants
15	Institution application	Mandatory
16	Admission from Institution	Mandatory
17	Applications close date	IMTR: 13 October 2023 WMO: After selection process, 17 October 2023
18	Document to send to WMO after selection process	<ol style="list-style-type: none"> 1. Pre-admission letter from host institution 2. Request for Financial Assistance (RFA)
19	Contact info	The Director, IMTR imtr.wmo.rtc.nairobi@gmail.com copy to fel@wmo.int

**The Institute for Meteorological Training and Research
(IMTR/WMO – RTC) Nairobi, Kenya**

WMO Satellite Applications Course on Meteosat Third Generation (MTG)

Course description

The WMO Satellite Course on MTG is a short course that will be held in IMTR WMO RTC Nairobi, Kenya. The in-person course is organized to introduce the MTG to users, specifically Meteorologists, Meteorological Trainers and Remote Sensing Experts in the African Region (RA I). The course will allow the participants to familiarize themselves with the new channels and products in addition to the existing and available MSG products, and to apply them into training environment for the benefit of their organisations

This WMO Satellite Course on MTG at the Institute for Meteorological Training and Research (IMTR – RTC Nairobi) is a face-to-face course.

The students will learn relevant background on MTG mission, MTG new products and MTG data interpretation and applications. The course will provide the skills and knowledge that support the WMO Competencies that relate to the use of satellite data by operational meteorologists.

Course Format

This will be a face-to-face course. It will run from 20 to 24 November 2023 and will be delivered in the classroom at RTC Nairobi in Kenya.

The students must show satisfactory attendance, progress and timely and satisfactory completion of online tasks/quizzes as per submission deadlines. They are recommended to bring their own laptop.

Expected Learning outcomes

By the end of the course, the students will have successfully achieved the following outcomes:

1. Understand the new satellite capabilities brought by MTG;
2. Understand the principles and interpretation of RGB images;
3. Understand and apply the new MTG RGB products;
4. Develop skills in using MTG data for training activities.

Competencies attained and certificates issued

After successful completion of the course, the candidates will receive 1 competency certificate stating the underpinning skills that support the WMO Competencies that relate to the use of satellite data by operational meteorologists.

Target Audience

Operational meteorologists, meteorological trainers, specialists and Remote Sensing experts working in relevant fields at National Hydrological and Meteorological Services (NMHSs) in RA I.

Instructors

Trainers from EUMETSAT and IMTR will be the instructors at the course. Additional content experts may be brought in for specific portions/subjects of the course.

Working language

The course will be conducted in English. No translation in other languages is offered.

Entry requirements

- Academic qualifications: Relevant qualification in Meteorology related to BIP-M;
- Good Skill in English reading, written and spoken (language comprehension);
- Good computer literacy for data processing and visualization;
- All this needs to be verified by Proof of CV and qualifications.

Work experience: Relevant work experience in using operational satellite imagery is preferred.

Useful resources in preparing for the course

A laptop or desktop computer with Microsoft Office or equivalent (Word processor, PowerPoint Presentation etc) good memory capacity and storage (an external storage is advised). A laptop would be preferable as it can be used during the face-to-face phase.

Procedure for application

The Applications thus must include:

- A letter of motivation in English limited to 200 words;
- A CV;
- Relevant certified qualifications;
- Nomination letter from relevant Permanent Representatives (PR).

All applications will be handled according to the protection of private information requirements.

Application for consideration should be forwarded to:

Institute for Meteorological Training and Research – RTC Nairobi
The Director, IMTR
imtr.wmo.rtc.nairobi@gmail.com

Clearly marked as subject of the email: RTC Nairobi - Kenya –WMO Satellite Course on MTG 2023.

Copy to:
Education and Training Office
WMO
fel@wmo.int

Deadlines for application: **14 October 2023** to RTC Nairobi and after the selection process, the deadline for submission of the Request for Financial Assistance (RFA) form with a copy of the admission letter and passport is **17 October 2023**

Only successful applications will be notified by email by RTC Nairobi and WMO.

APPLICATION FORM

WMO Satellite Course on MTG

IMTR – RTC Nairobi

20 to 24 November 2023

Nairobi, Kenya

Ref.: 19943/2023-1.2 MS/ETR

Note: Please read the Notes and Instructions on the last page before completing this application form

A. PERSONAL	
1. First name	
2. Surname	
3. Country	
4. Date of birth (<i>DD/MM/YYYY</i>)	
5. Gender	M / F
6. Passport number	
7. Do you have a disability	Yes / No
If yes, please specify	
8. Permanent home address	
(<i>number, street, postal code, town</i>)	
9. Telephone (<i>mobile</i>)	
10. Email	
11. Professional contact	
Name	
Telephone (<i>office</i>)	
Professional links	
12. Would you request financial assistance to participate at the course? Yes / No	
B. EDUCATION	
Have you completed the Basic Instruction Package for Meteorologists (BIP-M)?	Yes / No

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C. GENERAL			
1. Give details of working experience in meteorology			
Name of organization	Starting and end date	Brief description of role and responsibilities	Reason for leaving
2. Write a brief statement setting out clearly why you have chosen this course and how you intend to use it after graduation			

I declare that to the best of my knowledge all the information on this form is true and correct.

Signature

Date

D. PERMANENT REPRESENTATIVE ENDORSEMENT
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Signature

Date

ANNEX III. P. 3

Notes and Instructions:

Please read these notes and instructions carefully before completing this application form. Be sure to read every section and that the information you provide is accurate.

1. Incomplete application forms will not be considered.
2. Closing dates for the application dates are published and will be strictly adhered to.
3. You must supply all the information requested, or explain why you cannot provide it.
4. A certified copy of the passport document must be included in the application.
5. Successful candidates will be contacted by phone or email. Make sure that your contact details are correct.