

**WMO OMM**

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

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Our ref.: 17874/2021/I/IESP/RSMC-mapping

12 August 2021

Annex: 1 (available in English only)

Subject: Mapping of Regional Specialized Meteorological Centres (RSMCs) with geographical specialization as specified in the [Manual on the Global Data-processing and Forecasting System \(GDPFS\)](#) (WMO-No. 485)

Action required: To confirm the mapping of the RSMC with geographical specialization hosted by your Service onto the new type of centres with supporting documents to demonstrate its capabilities

Dear Sir/Madam,

With reference to the World Meteorological Organization's (WMO) letter dated 17 May 2018, Ref: 11430/WDS-DPFS/New Manual on GDPFS-2018 (see annex), I would like to inform you that the list of designated GDPFS Centres is now available in Part III of the [Manual on the GDPFS](#) (WMO-No. 485).

Your Service hosts a Regional Specialized Meteorological Centre (RSMC) with geographical specialization. Following [Resolution 59 \(Cg-18\)](#) — Amendments to the *Manual on the Global Data-processing and Forecasting System* (WMO-No. 485), you are requested to confirm, as soon as possible, the mapping of your centre onto at least one of the new types of centres as described in the aforementioned manual and demonstrate its capabilities to take responsibility for the designated centre activities.

In order to complete the mapping process, a formal application with supporting documentation should be sent to the Secretary-General for assessment and formal designation. If you have already submitted a formal application, you are only requested to send the supporting documents.

Please note that, following [Resolution 18 \(EC-69\)](#) — Revised *Manual on the Global Data-processing and Forecasting System* (WMO-No. 485), RSMCs with geographical specialization were only able to maintain that status until the Eighteenth World Meteorological Congress (Cg-18) and, in order to maintain the status of a GDPFS centre, remapping is urgently required.

I would like to take this opportunity to express my sincere thanks to you and your Service for your continued support to the WMO's GDPFS.

Yours faithfully,

Dr Wenjian Zhang  
for the Secretary-General

To: Permanent Representatives of Members of Algeria, Argentina, Brazil, Egypt, India, Morocco, Saudi Arabia, Tunisia, Uzbekistan (limited distribution)



Our ref.: 8384-16/WDS-DPFS/New Manual on GDPFS-2016

GENEVA, 15 June 2016

Annexes: 2 (available in English only)

Subject: Revision of the *Manual on the Global Data-processing and Forecasting System (GDPFS)* (WMO-No. 485)

Action required: To confirm the mapping of the WMC and/or RSMC currently hosted by your Service onto the new designations (taking into account their functions described in the revised *Manual on the GDPFS*) at your earliest convenience **but not later than 15 August 2016**

Dear Sir/Madam,

The *Manual on the Global Data-processing and Forecasting System (GDPFS)* (WMO-No. 485) is the single source of technical regulations for all operational data-processing and forecasting systems of WMO Members, including their designated meteorological centres. Following the request by the Commission for Basic Systems, at its fourteenth session (CBS-XIV, 2009), progress has been made with the revision of the Manual on the GDPFS, including the development of an outline for a new Manual, which was adopted by the Sixteenth World Meteorological Congress (Cg-XVI, 2011) through Resolution 6 (Cg-XVI). Noting that the new Manual introduces a number of changes to the current procedures, the Commission for Basic Systems, at its 2014 extraordinary session (CBS-Ext.(2014)), considered the comprehensive summary of changes of functions and procedures that would ensure a smooth transition to the new Manual. Acknowledging that the new Manual is being developed in accordance with quality management principles, which ensure its sustainability as part of the WMO Quality Management Framework (QMF), and would facilitate the review of compliance of GDPFS Centres against the designation criteria, CBS-Ext.(2014) recommended a roadmap for the completion of the new Manual (which will replace the current version), including transition arrangements for its implementation to manage the technical changes and the initial designation of the GDPFS Centres as defined in the new Manual, including World Meteorological Centres (WMCs) and Regional Specialized Meteorological Centres (RSMCs), which were approved by the Seventeenth World Meteorological Congress (Cg-17, 2015) in Resolution 12 (Cg-17).

I wish to bring to your attention that the new Manual introduces a clear definition for a WMC, for which a WMC shall be appointed if fulfilling the following functions:

- RSMC for global deterministic numerical weather prediction;
- RSMC for global ensemble numerical weather prediction; and
- RSMC for global numerical long-range prediction (known as Global Producing Centre for Long-range Forecasts).

To: Permanent Representatives of Members of Algeria, Argentina, Armenia, Australia, Austria, Brazil, Canada, China, Egypt, Fiji, France, Germany, Hungary, India, Italy, Japan, Kenya, Korea (Republic of), Netherlands, New Zealand, Norway, Russian Federation, Saudi Arabia, Senegal, Serbia, South Africa, Spain, Sweden, Tunisia, Turkey, UK, USA and Uzbekistan  
 Director General of ECMWF

In addition, as per the summary of changes of functions and procedures, RSMCs with geographical specialization would become RSMCs with specialization in one (or more) of the following activities:

- RSMC for regional severe weather forecasting;
- RSMC for global deterministic numerical weather prediction;
- RSMC for limited-area deterministic weather prediction;
- RSMC for global ensemble numerical weather prediction; and
- RSMC for limited-area ensemble numerical weather prediction.

RSMCs with other activity specialization are redefined in the new Manual for clarity in the description of functions, not altering the designation criteria.

As part of the above-mentioned roadmap, WMO Members hosting a WMC and/or an RSMC are invited to confirm the mapping of the WMC and/or RSMC currently hosted by your Service (as per Appendix I-1 of the current version of the Manual on the GDPFS, Annex I) onto the corresponding designations (taking into account their functions described in the revised Manual on the GDPFS) at your earliest convenience **but not later than 15 August 2016**. Also for your easy reference, I wish to inform you that the draft version of the revised Manual (table of contents given in Annex II) is available on the WMO website at:

[https://www.wmo.int/pages/prog/www/DPS/Manual/Table-of-content\\_Manual-gdpfs.html](https://www.wmo.int/pages/prog/www/DPS/Manual/Table-of-content_Manual-gdpfs.html)

This version takes into account comments received by WMO Members following the request to review its content in the WMO circular letter ref. WDS-DPFS/New Manual on GDPFS-2015, dated 11 May 2015.

I wish to recall that as part of the transitional arrangements recommended by CBS-Ext.(2014), Cg-17 agreed that the existing WMCs and RSMCs will retain their status until the Eighteenth session of the World Meteorological Congress (Cg-18) in 2019; and to retain status after Cg-18, they need to demonstrate compliance by Cg-18.

I would like to take this opportunity to express my personal gratitude to you and your Service for your continued support in making meteorological products of the WMO's Global Data-processing and Forecasting System (GDPFS), including Emergency Response Activities (ERA), increasingly more relevant in the world.

Yours faithfully,



(E. Manaenkova)  
for the Secretary-General

**Confirmation form for mapping of the WMC and/or RSMC hosted by your Centre****WMO MEMBER:****Focal Point:****E-mail address:****Q1. World Meteorological Centre (WMC)**

The new Manual introduces a clear definition for a WMC, which WMC shall be appointed if fulfilling the following functions:

- RSMC for global deterministic numerical weather prediction;
- RSMC for global ensemble numerical weather prediction; and
- RSMC for global numerical long-range prediction (known as GPC).

If you currently host a WMC, please answer *YES* or *No* to confirm your will to map its functions onto a new designation of WMC.

Designated Centre	Mapping confirmation (Yes/No)
Melbourne (southern hemisphere only)	
Moscow	
Washington	

**Q2. Regional Specialized Meteorological Centre (RSMC) with geographical specialization**

RSMCs with geographical specialization would become RSMCs for one (or more) of the following activities:

- (1) RSMC for regional severe weather forecasting;
- (2) RSMC for global deterministic numerical weather prediction;
- (3) RSMC for limited-area deterministic weather prediction;
- (4) RSMC for global ensemble numerical weather prediction; and
- (5) RSMC for limited-area ensemble numerical weather prediction.

If you currently host an RSMC with geographical specialization, please answer *YES* if you confirm your will to map its functions onto a new designation(s) of one (or more) of RSMC(s).

Designated Centre	(1) RSMC for regional severe weather forecasting	(2) RSMC for global deterministic numerical weather prediction	(3) RSMC for limited-area deterministic weather prediction	(4) RSMC for global ensemble numerical weather prediction	(5) RSMC for limited-area ensemble numerical weather prediction
Algiers					
Beijing					
Brasilia					
Buenos Aires					
Cairo					
Dakar					
Darwin					
Exeter					
Jeddah					
Khabarovsk					
Melbourne					

Miami					
Montreal					
Moscow					
Nairobi					
New Delhi					
Novosibirsk					
Offenbach					
Pretoria					
Rome					
Tashkent					
Tokyo					
Tunis /Casablanca					
Washington					
Wellington					

### **Q3. Regional Specialized Meteorological Centre (RSMC) with activity specialization**

If you currently host an RSMC with activity specialization, please answer *YES* or *No* to confirm your will to map its functions onto a new designation of its corresponding RSMC.

Designated Centre	Mapping confirmation (Yes/No)
Global Producing Centre for Long-range Forecasts (GPC)	
Beijing	
CPTEC (Brazil)	
Exeter	
Melbourne	
Montreal	
Moscow	
Pretoria	
Seoul	
Tokyo	
Toulouse	
Washington	
European Centre for Medium-range Weather Forecasts (ECMWF)	
Tropical Cyclone Centre / Hurricane Centre / Typhoon Centre	
Nadi – Tropical Cyclone Centre	
New Delhi – Tropical Cyclone Centre	
Miami – Hurricane Centre	
Tokyo – Typhoon Centre	
La Réunion – Tropical Cyclone Centre	
Honolulu – Hurricane Centre	
RSMC for Atmospheric Sand and Dust storm Forecasts	
Barcelona	
RSMC for Nuclear Environmental Emergency Response and/or Backtracking	
Beijing	
Exeter	
Melbourne	
Montreal	
Obninsk	
Offenbach (backtracking only)	
Tokyo	
Toulouse	
Vienna (backtracking only)	
Washington	

Regional Climate Centre		
Africa hosted by the African Centre of Meteorological Applications for Development (ACMAD) (RA I)		
Beijing (RA II)		
Tokyo (RA II)		
Moscow (RA II)		
Western South America hosted by the International Research Centre on El Niño (RA III)		
Network (RA VI)	De Bilt (Climate Data Service)	
	Offenbach (Climate Monitoring)	
	Toulouse (Long-range Forecasts)	
	Moscow (Long-range Forecasts)	

If you currently host an RSMC with activity specialization for Region VI (Europe), please answer *YES* or *No* to confirm your will to map its functions onto a new designation and indicate the corresponding RSMC.

Designated Centre	Mapping confirmation (Yes/No), if yes, please indicate the corresponding RSMC
RSMC for Medium-range Weather Forecasts for Region VI (Europe)	
ECMWF	
RSMC for the Provision of Ultraviolet-index forecasts for Region VI (Europe)	
Offenbach	

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## TABLE OF CONTENTS

## INTRODUCTION

## PART I – OUTLINE OF THE WMO GLOBAL DATA-PROCESSING AND FORECASTING SYSTEM (GDPFS)

## 1. PURPOSE AND SUPPORTED ACTIVITIES

- 1.1 General description
- 1.2 Activities supported by the GDPFS

## 2. CENTRES

- 2.1 Definitions
  - Appendix A.I.2.1 Definitions of meteorological forecasting ranges
- 2.2 Designation process

## 3. COORDINATION WITH OTHER SYSTEMS OR PROGRAMMES

## PART II – SPECIFICATIONS OF GDPFS ACTIVITIES

## 1. OVERALL REQUIREMENTS AND STANDARDS

- 1.1. Quality control of incoming observations
  - Appendix A.II.1.1-a Techniques for monitoring the quality of observations
  - Appendix A.II.1.1-b Procedures and formats for the exchange of monitoring results
- 1.2. Data collection and product dissemination
- 1.3. Long-term storage of data and products
- 1.4. Product verification
- 1.5. Documentation on system and products
- 1.6. Training
- 1.7. Reporting on compliance
- 1.8. Graphical representation of observations, analyses and forecasts

## 2. SPECIFICATION OF ACTIVITIES AND PROCEDURES FOR THEIR MODIFICATION

- 2.1 General purpose activities
  - 2.1.1. Global Deterministic Numerical Weather Prediction
    - Appendix A.II.2.1.1-a Minimum list of global deterministic NWP products to be made available on the WIS
    - Appendix A.II.2.1.1-b Characteristics of global deterministic NWP systems
  - 2.1.2. Limited Area Deterministic Numerical Weather Prediction
    - Appendix A.II.2.1.2-a Minimum list of limited area deterministic NWP products to be made available on the WIS
    - Appendix A.II.2.1.2-b Characteristics of limited area deterministic NWP systems
  - 2.1.3. Global Ensemble Numerical Weather Prediction
    - Appendix A.II.2.1.3-a Minimum list of global EPS products to be made available on the WIS
    - Appendix A.II.2.1.3-b Characteristics of global EPS
  - 2.1.4. Limited Area Ensemble Numerical Weather Prediction
    - Appendix A.II.2.1.4-a Minimum list of limited area EPS products to be made available on the WIS
    - Appendix A.II.2.1.4-b Characteristics of limited area EPS
  - 2.1.5. Global Numerical Long-range Prediction
    - Appendix A.II.2.1.5-a Mandatory and highly recommended seasonal numerical prediction products to be made available on the WIS
    - Appendix II.2.1.5-b Characteristics of seasonal numerical prediction systems



Appendix II.2.1.5-c Additional seasonal numerical prediction products to be made available on the WIS

### **2.1.6. Numerical Ocean Wave Prediction**

Appendix A.II.2.1.6-a Minimum list of numerical ocean wave prediction products to be made available on the WIS

Appendix A.II.2.1.6-b

Appendix A.II.2.1.6-c Characteristics of global NOWP systems

### **2.1.7 Global Numerical Ocean Prediction**

Appendix A.II.2.1.7-a Minimum list of global numerical ocean prediction products to be made available on the WIS

Appendix A.II.2.1.7-b

Appendix A.II.2.1.7-c Characteristics of global NOP systems

### **2.1.8. Nowcasting**

Appendix II.2.1.8 Characteristics of Nowcasting systems

## **2.2 Specialized activities**

### **2.2.2. Regional Severe Weather Forecasting**

### **2.2.3. Regional climate prediction and monitoring**

Appendix A.II.2.2.3-a RCC mandatory functions

Appendix A.II.2.2.3-b Additional highly recommended RCC functions

Annex A.II.2.2.3-annex Guidelines for feedback from RCCs/NHMSs to GPCs

### **2.2.4. Coordination of Multi Model Ensemble Prediction for Long Range Forecasts**

Appendix A.II.2.2.4-a Minimum information to be available from LCs-LRFMME

Appendix A.II.2.2.4-b Additional information to be available from LCs-LRFMME

Appendix A.II.2.2.4-c Access to GPC data and visualization products held by the Lead Centres for LRFMME

### **2.2.5. Tropical Cyclone Forecasting, including marine-related hazards**

### **2.2.6. Volcanic Contaminants**

### **2.2.7. Marine Meteorological Services**

### **2.2.8. Nuclear Environmental Emergency Response**

Appendix A.II.2.2.8-a Activation of support for nuclear emergency response and standards in the provision of international services by RSMCs

Appendix A.II.2.2.8-b Minimum list of products and rules for displaying products

Appendix A.II.2.2.8-c Default emission source parameters

Appendix A.II.2.2.8-d Characteristics of atmospheric transport modelling system

Appendix A.II.2.2.8-e Request form to activate RSMC support

Appendix A.II.2.2.8-f Specifications for support to CTBTO

### **2.2.9. Non-nuclear Environmental Emergency Response**

Appendix A.II.2.2.9-a Activation of support for non-nuclear emergency response

Appendix A.II.2.2.9-e Request form to activate RSMC support

Appendix A.II.2.2.9-f Users interpretation guide for non-nuclear atmospheric transport model products provided by RSMCs

### **2.2.10. Atmospheric sand and dust storm forecasting**

Appendix A.II.2.2.10-a Minimum list of atmospheric sand and dust storm products to be made available on the WIS

## **2.3 Non real-time coordination activities**

### **2.3.1. Coordination of deterministic NWP verification**

Appendix A.II.2.3.1 I – Standardized verification of deterministic NWP products

### **2.3.2. Coordination of EPS verification**

Appendix A.II.2.3.2 II – Standard verification measures of global EPS

### **2.3.3. Coordination of LRF verification**

Appendix A.II.2.3.3 II – Standardized verification System for long-range forecasts (SVSLRF)

### **2.3.4. Coordination of ocean wave forecast verification**

### **2.3.5. Coordination of tropical cyclone forecast verification**

### **2.3.6. Coordination of observation monitoring**

## **PART III – GDPFS IMPLEMENTATION**

### **ACRONYMS**

### **INDEX**

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