



17 أيار/ مايو 2018

11430/2018/DPFS/New Manual/GDPFS-2018

الرسالة رقم:

عدد المرفقات: 2 (متوافران بالإنكليزية فقط)

الموضوع: صدور النسخة المنقحة من مرجع النظام العالمي لمعالجة البيانات والتنبؤ (GDPFS) (مطبوع المنظمة رقم 485)

الإجراء المطلوب: تأكيد ربط المركز العالمي للأرصاد الجوية (WMO) و/أو المركز الإقليمي المتخصص للأرصاد الجوية (RSMC)، الذي يستضيفه مرفقكم حالياً، بالأنواع الجديدة من المراكز (مع مراعاة وظائفها المبينة في المرجع المنقح للنظام (GDPFS)) في أقرب وقت ممكن

تحية طيبة وبعد،

بالإشارة إلى رسالتنا رقم 8384-16/WDS-DPFS/New Manual on GDPFS-2016 (انظر المرفق الأول)، المؤرخة 15 حزيران/ يونيو 2016، يسرني أن أبلغكم أن مرجع النظام العالمي لمعالجة البيانات والتنبؤ (GDPFS) (مطبوع المنظمة رقم 485) الجديد قد صدر في 16 شباط/ فبراير 2018، بصيغته التي اعتمدها المجلس التنفيذي في قراره 18 (EC-69)، وهو متوافر على الموقع الشبكي التالي للمنظمة (WMO):

https://library.wmo.int/opac/doc_num.php?explnum_id=4246

ويرجى من أعضاء المنظمة (WMO) الذين يستضيفون مركزاً عالمياً للأرصاد الجوية (WMO) و/أو مركزاً إقليمياً متخصصاً للأرصاد الجوية (RSMC) أن يؤكدوا، كل في بلده، ربط ذلك المركز (انظر المرفق الأول) بأنواع المراكز الجديدة المناظرة، بما يتماشى مع الوظائف المبينة في النسخة الجديدة من مرجع النظام (GDPFS). وقد أكد بالفعل عدد من الأعضاء هذا الاقتراح (انظر المرفق الثاني). ويرجى التأكد أيضاً من أن مدخلاتكم قد أدرجت بشكل سليم.

ويرجى ملاحظة أن المراكز التي أكد ربطها مطالبة بإثبات قدرتها للمؤتمر العالمي الثامن عشر للأرصاد الجوية، الذي سيعقد في حزيران/ يونيو 2019، حتى تحتفظ بالتسمية الجديدة بعد المؤتمر الثامن عشر. ونذكر الأعضاء الذين يستضيفون حالياً مركزاً (RSMC) ذا تخصص جغرافي أن يتأكدوا من ربط مركزهم بالأنواع الجديدة من المراكز، باعتبار أن المراكز (RSMCs) ذات التخصص الجغرافي لن يكون لها وجود بعد المؤتمر الثامن عشر.

إلى: الممثلين الدائمين لأعضاء المنظمة (أو مديري مرافق الأرصاد الجوية أو الأرصاد الجوية الهيدرولوجية) (توزيع محدود)

(الجزائر، الأرجنتين، أرمينيا، أستراليا، النمسا، البرازيل، كندا، الصين، مصر، فيجي، فرنسا، ألمانيا، هنغاريا، الهند، إيطاليا، اليابان، كينيا، كوريا (جمهورية)، هولندا، نيوزيلندا، النرويج، الاتحاد الروسي، المملكة العربية السعودية، السنغال، صربيا، جنوب أفريقيا، إسبانيا، السويد، تونس، تركيا، المملكة المتحدة، الولايات المتحدة الأمريكية، أوزبكستان)

المدير العام للمركز الأوروبي للتنبؤات الجوية المتوسطة المدى (ECMWF)

وأود في هذا الصدد أن أوجه انتباهكم إلى أن المؤتمر السابع عشر قد وافق، في إطار الترتيبات الانتقالية التي أوصت بها لجنة النظم الأساسية (CBS) في دورتها الاستثنائية لعام 2014، على أن تحتفظ المراكز (WMCs) والمراكز (RSMCs) بوضعها الحالي حتى انعقاد المؤتمر الثامن عشر في 2019. وللاحتفاظ بهذا الوضع بعد المؤتمر الثامن عشر، عليها أن تثبت امتثالها الكامل للمعايير المحددة.

وأود أن اغتنم هذه الفرصة لأقدم لكم ولمرفقكم خالص شكري على دعمكم المستمر للنظام العالمي لمعالجة البيانات والتنبؤ (GDPFS) التابع للمنظمة (WMO).

وتفضلوا بقبول فائق الاحترام،



(و. تشانغ)
عن الأمين العام



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:

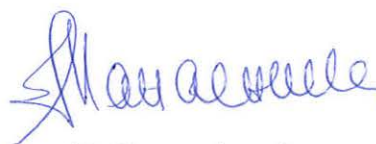
https://www.wmo.int/pages/prog/www/DPS/Manual/Table-of-content_Manual-gdpfs.html

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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ACTIVITY SPECIALIZATION AND LEAD CENTRES (HOSTED BY MEMBERS) ONTO
THE CORRESPONDING DESIGNATIONS DESCRIBED IN THE REVISED MANUAL ON
THE GDPFS (WMO-No. 485) (2017 Edition)**

1. World Meteorological Centres (WMCs)

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

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

Designated Centre	Mapping confirmation received at WMO (Yes/No)
Melbourne (southern hemisphere only)	No response
Moscow	Yes
Washington	Yes
New WMCs designated by EC-69 (2017)	
Canada (Montreal)	Yes
UK (Exeter)	Yes
Japan (Tokyo)	Yes
China (Beijing)	Yes
ECMWF (Reading)	Yes
Designation of new WMC (to designated by EC-70 (in June 2018))	
Germany (Offenbach)	In consideration

2. Regional Specialized Meteorological Centre (RSMC) with geographical specialization

The Members who are currently hosting RSMCs with geographical specialization are especially required to map themselves against any of new types of centres considering that RSMCs with geographical specialization will cease to exist after Congress-18 in 2019.

Such RSMCs may become RSMCs for one (or more) of the following activities depending upon their functions and capacities:

- (1) RSMC for regional severe weather forecasting;
- (2) RSMC for global deterministic NWP;
- (3) RSMC for limited-area deterministic NWP;

- (4) RSMC for global ensemble NWP; and
- (5) RSMC for limited-area ensemble NWP.

Therefore, Members hosting RSMCs with geographical specialization, are requested to please answer *YES* if they confirm their Centre(s) will to map its functions onto a new designation(s) of one (or more) of following RSMC(s).

Designated Centre	(1) RSMC for regional severe weather forecasting	(2) RSMC for global deterministic NWP	(3) RSMC for limited-area deterministic NWP	(4) RSMC for global ensemble NWP	(5) RSMC for limited-area ensemble NWP	Mapping confirmation received at WMO (Yes/No)
Algiers						No response
Beijing	Yes	Yes		Yes		No response
Brasilia						No response
Buenos Aires						No response
Cairo						No response
Dakar						No response
Darwin						No response
Exeter		Yes	Yes	Yes	Yes	Yes
Jeddah						No response
Khabarovsk						No response
Melbourne						No response
Miami						No response
Montreal						No response
Moscow						No response
Nairobi						No response
New Delhi						No response
Novosibirsk						No response
Offenbach	Yes					Yes
Pretoria	Yes	-	Yes	-	-	Yes
Rome	-	Yes	-	-	Yes	Yes
Tashkent	Yes	-	-		-	Yes
Tokyo	Yes	Yes	-	Yes	-	Yes
Tunis /Casablanca						No response
Washington						No response

Wellington	Yes	-	-	-	-	No response
ECMWF (new centre)	-	Yes	-	Yes	-	Yes

3. 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 received at WMO (Yes/No)
Global Producing Centre for Long-range Forecasts (GPC)	
Beijing	Yes
CPTEC (Brazil)	Yes
Exeter	Yes
Melbourne	No response
Montreal	Yes
Moscow	Yes
Pretoria	No response
Seoul	No response
Tokyo	Yes
Toulouse	Yes
Washington	Yes
European Centre for Medium-range Weather Forecasts (ECMWF)	Yes
Tropical Cyclone Centre / Hurricane Centre / Typhoon Centre	
Nadi – Tropical Cyclone Centre	Yes
New Delhi – Tropical Cyclone Centre	Yes
Miami – Hurricane Centre	Yes
Tokyo – Typhoon Centre	Yes
La Réunion – Tropical Cyclone Centre	Yes
Honolulu – Hurricane Centre	Yes
RSMC for Atmospheric Sand and Dust storm Forecasts	
Barcelona	
RSMC for Nuclear Environmental Emergency Response and/or Backtracking	
Beijing	Yes
Exeter	Yes

Melbourne		No response
Montreal		Yes
Obninsk		Yes
Offenbach (backtracking only)		Yes
Tokyo		Yes
Toulouse		Yes
Vienna (backtracking only)		Yes
Washington		Yes
Regional Climate Centre		
Africa hosted by the African Centre of Meteorological Applications for Development (ACMAD) (RA I)		Yes
Beijing (RA II)		Yes
Tokyo (RA II)		Yes
Moscow (RA II)		Yes
New Centres designated by EC-69 (2017)		
ICPAC		Yes
Pune		Yes
CIMH, Barbados		Yes
North Africa Network RA I		Yes
Western South America hosted by the International Research Centre on El Niño (RA III)		Yes
Network (RA VI)	De Bilt (Climate Data Service)	Yes
	Offenbach (Climate Monitoring)	Yes
	Toulouse (Long-range Forecasts)	Yes
	Moscow (Long-range Forecasts)	Yes

4. Lead Centres

Designated Centre	Mapping confirmation
Long-range Forecast Multi-model Ensemble (LRFMME)	
Seoul	No
Washington	Yes

Standard Verification System for Long-range Forecasts (SVSLRF)	
Melbourne	No
Montreal	Yes
Deterministic NWP Verification	
ECMWF	Yes
EPS Verification	
Tokyo	Yes