

Third Meeting of the Pacific Meteorological Council (PMC-3)

20-24 July 2015
Nuku'alofa
The Kingdom of Tonga

Agenda Item 9.2: Public Weather Services - Severe Weather Forecast and Disaster Risk Reduction Demonstration Project (New Zealand MetService/WMO)

Purpose

1. To provide additional information to agenda item 9.2, and to inform PMC-3 of the outcomes of the Seventeenth World Meteorological Congress (Cg-17) on the Global Data-processing and Forecasting System (GDPFS) that may have implications to the Pacific region.

Background

2. Considering the conclusions of the first World Weather Open Science Conference (WWOSC-2014, Montreal, Canada, August 2014), Cg-17 recognized that a seamless system spans multiple dimensions including: (a) timescales; (b) multi-hazard forecasts; and (c) supporting applications, including the use and propagation of Numerical Weather Prediction and Ensemble Prediction System (WP/EPS) into high-impact weather forecasting and hazard risk management. Cg-17 noted that with technological advances, new areas of research addressing these dimensions will require transition to operations. Cg-17 noted that in 2014, the extra-ordinary session of the Commission for Basic Systems (CBS-Ext. (2014)) (<https://drive.google.com/a/wmo.int/file/d/0BwdvoC9AeWjUQTNQMDBUN1dtMFU/view>) agreed that the GDPFS is at the heart of the WMO operational system, and in order to support adequately the high priorities of WMO, the GDPFS needs to evolve, be flexible and adaptable so that it can respond efficiently to current and emerging needs, and user's requirements. Cg-17 therefore agreed to initiate a process for the gradual establishment of a future enhanced integrated and seamless WMO Data-processing and Forecasting System, and adopted *Resolution 4.1(1)/1 (Cg-17) - Towards a future enhanced integrated and seamless WMO Data-processing and Forecasting System*.

3. Following the recommendation by the Commission for Basic Systems (CBS), at its 2014 extraordinary session, for a transition plan for the implementation of the new Manual on the GDPFS (which will replace the current version) to manage the technical changes and the initial designation of the new GDPFS centres as defined in the new Manual, including World Meteorological Centers (WMCs) (<http://www.wmo.int/pages/prog/www/DPS/gdps-2.html#WMCs>) and Regional Specialized Meteorological Centers (RSMCs) (<http://www.wmo.int/pages/prog/www/DPS/gdps-2.html#RSMCs>), Cg-17 adopted *Resolution 4.1(1)/2 (Cg-17) - Report of the extraordinary session 2014 of the Commission for Basic Systems (CBS) concerning the introduction of the new Manual on the Global Data-processing and Forecasting System (GDPFS) (WMO-No. 485)*.

4. A separate working paper is presented on the Severe Weather Forecasting and Disaster Risk Reduction Demonstration Project (SWFDDP) in the South-West Pacific.

Recommendations

5. The Meeting is invited to:

- **Note** the information provided in this document.
- **Recommend** that PMC members take an active role in the development and implementation of the future enhanced integrated and seamless WMO Data-processing and Forecasting System, in order to ensure that the interests and requirements of the Pacific SIDS are considered.
- **Recommend** that PMC members carefully review the content of the new Manual on the GDPFS (WMO-No. 485) (<https://www.wmo.int/pages/prog/www/DPFS/Manual/GDPFS-Manual.html>) and provide comments to the WMO Secretariat (as described in Resolution 4.1(1)/2 (Cg-17)), noting that it may introduce changes to the procedures that could affect the operations of NMHSs in the Pacific.

13 July 2015