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| WORLD METEOROLOGICAL ORGANIZATION **COMMISSION FOR BASIC SYSTEMS OPAG on DPFS**  **expert team on emergency response activitIes (et-era)**  **VIENNA, AUSTRIA, 1 – 5 OCTOBER 2018** |  | CBS-DPFS/ET-ERA/Doc. 5.2(2)  (15.IX.2018)  \_\_\_\_\_\_\_  Agenda item: 5.2  ENGLISH ONLY |

**Requirements for RSMCs With Activity**

**Specialization in Non-nuclear ERA**

*(Submitted by the co-Chair)*

##### Summary and purpose of document

The Manual on the GPDFS defines requirements that the designated RSMCs have to meet. These include interpretation quidelines for users, documenting the characteristics of the ATDMs and the NWP models that feed them and demonstrating compliance. The paper proposes actions to meet these requirements.

##### Action Proposed

The meeting is invited to discuss the paper and recommend specific actions to be applied by the designated RSMCs to meet the requirements defined in the Manual on the GDPFS.

1. The non-nuclear ERA programme has matured considerably since the last ET-ERA meeting with the inclusion of procedures in the Manual on the GDPFS and the designation of RSMCs with that activity specialization.

2. The Manual defines requirements that the designated RSMCs have to meet. They include:

2.1 Produce/maintain interpretation guidelines of products for the users (Appendix 2.2.31)

2.2 Produce/maintain documentation on the characteristics of the ATDMs and NWP models that are used (Attachment 2.2.5)

2.3 Demonstrate/maintain compliance (paragraphs 2.1.7 and 2.2.2.8, Table 17)

3. For 2.1 and 2.2, the Manual mentions specifically to include this information in WMO TD/No. 778.

4. For 2.3, the designated RSMCs have to liaise with NMSs in their WMO Regional Association(s) of responsibility, conduct exercises/tests regularly to identify and correct issues and produce annually a report of activities. In that regard, the experience acquired by NMS Argentina and the RSMCs that participated in the 2016 exercises, and that lead to finalizing the non-nuclear ERA procedures in the Manual, is certainly valuable.

**Actions proposed**

That the RSMCs designated for non-nuclear ERA\*:

1- Produce interpretation guidelines of their products for the users\*\*

2- Document the characteristics of their ATDMs and NWP models\*\*

3- Conduct a few exercises/tests with other interested RSMCs

4- Liaise with NMSs in their WMO Regional Association(s)

5- Conduct exercises/tests with NMSs at least every three months

6- Produce a report of activities for each year, by February of the next year\*\*\*

\* Details and timelines to be defined at the ET-ERA meeting

\*\* Annex 4 in Section 5 of WMO TD/No. 778 can serve as a model for these

\*\*\* The format of the nuclear ERA annual report can be used for this. Nuclear and non-nuclear activities could also be combined in one report.

References

[*Manual on the Global Data-Processing and Forecasting System*](http://library.wmo.int/opac/index.php?lvl=notice_display&id=12793), 2017 edition (WMO-No.485).

[WMO TD/No. 778: *Documentation on RSMC Support for Environmental Emergency Response (targeted for meteorologists at NMSs)*](http://www.wmo.int/pages/prog/www/DPFSERA/td778.html)