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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. 4.9(1)  (13.IX.2018)  \_\_\_\_\_\_\_  Agenda item : 4.9  ENGLISH ONLY |

**Revision of the WMO Guidelines on Meteorological and Hydrological Aspects**

**of Siting and Operations of Nuclear Power Plants**

**(previously referred to as WMO Technical Note No. 170 (WMO No. 550))**

*(Submitted by the co-Chair)*

##### Summary and purpose of document

This document is a status report on the work done on the revision of the WMO Guidelines since the last meeting of the ET-ERA in 2015. The Guidelines will be finished by mid-November 2018.

**Action proposed**

The meeting is invited to note and discuss the information presented in this paper.

1. The revision of the WMO *Guidelines on Meteorological and Hydrological Aspects of Siting and Operations of Nuclear Power Plants*, previously referred to as WMO Technical Note No. 170, started in 2013 at the request by WMO Congress 16.

2. This was needed because the original document was outdated (produced in 1985) and there was a desire to have a close correspondence between The Guidelines and IAEA’s [Specific Safety Guide No. SSG-18](https://www.iaea.org/publications/8635/meteorological-and-hydrological-hazards-in-site-evaluation-for-nuclear-installations) (Meteorological and Hydrological Hazards in Site Evaluation for Nuclear Installations), a document jointly sponsored by the IAEA and WMO.

3. Please refer to [document 4.9](https://www.wmo.int/pages/prog/www/DPFSERA/Meetings/ET-ERA_BuenosAires2015/documents/Doc-4-9-1_revision_TN-170.doc) presented at the Buenos Aires meeting for the work done on the Guidelines between 2013 and 2015.

4. Since the Buenos Aires meeting:

— June 2016: WMO Executive Council 68 endorsed the document’s outline. It invited NMHSs of Members to give all possible support, to the review process of the new publication, in consultation with their national counterparts from the nuclear safety commissions, to ensure that the document correctly addresses the users’ requirements. It also requested that the revision of the document be continued in collaboration with all relevant WMO Programmes and technical commissions.

— July 2016: Draft Guidelines updated by the co-Chair and distributed for review to the ET-ERA and experts identified by technical commissions CBS, CAS, CIMO and JCOMM.

— October 2016: Update to the Guidelines produced by the co-Chair to include the feedback received from the members of the ET-ERA and technical commissions. Some of the reviews by CHy experts required major additional work/new texts and their inclusion in the Guidelines were postponed until an expert could be assigned to this task.

— November 2016: CBS-16 urged WMO Members and technical commissions CBS, CAS, CIMO and JCOMM, in collaboration with the IAEA, to review the draft Guidelines and provide comments to the WMO Secretariat. CBS-16 also authorized (1) The WMO Secretariat to integrate comments from WMO Members, technical commissions concerned, and the IAEA and prepare the final consolidated version of the Guidelines, and (2) the president of CBS to endorse the final consolidated version of the Guidelines for publication.

— January to October 2017: Additional feedback and text received from various experts.

— November 2017 to April 2018: An expert worked part-time on the significant changes proposed by CHy.

5. The Guidelines will be finalized by mid-November 2018 by the co-Chair in consultation with various experts. It will be distributed to the members of the ET-ERA once approved by the President of CBS and published on the [WMO library](https://library.wmo.int/).