

~~Draft~~ Resolution 3.1(3)/2 (Cg-17)

**REPORT OF THE 2014 EXTRAORDINARY SESSION OF THE
COMMISSION FOR BASIC SYSTEMS (CBS-Ext.(2014)) RELEVANT TO
TECHNICAL REGULATIONS CONCERNING PWS COMPETENCIES**

THE WORLD METEOROLOGICAL CONGRESS,

Having considered the *Abridged Final Report with Resolutions and Recommendations of the 2014 Extraordinary Session of the Commission for Basic Systems (CBS-Ext.(2014), WMO-No.1140)*, in particular, Recommendation 1 (CBS-Ext.2014) - Competency Framework for PWS Forecasters and Advisors,

Decides to take the following actions on the recommendation:

Recommendation 1 (CBS-Ext.(2014)) - Competency Framework for PWS Forecasters and Advisors

(1) Approve the PWS forecasters and advisors top-level competency requirements to take effect from 1 December 2017, as follows:

Fundamental WMO competency requirements for a PWS forecaster

- (a) Analyse and monitor continually the evolving meteorological and/or hydrological situation;
- (b) Forecast meteorological and hydrological phenomena and parameters;
- (c) Warn of hazardous phenomena;
- (d) Ensure the quality of meteorological and hydrological information and services;
and
- (e) Communicate meteorological and hydrological information to internal and external users.

Competency requirements for weather broadcasters and communicators

- (a) Oral, written and graphical communication via media;
- (b) Use of appropriate tools and systems for the delivery of meteorological and, where appropriate, hydrological information to end-users;
- (c) Self-management and team-working within a media environment.

Competency requirements for PWS advisors engaged in user interaction, media liaison and outreach activities

- (a) Oral and written communication;

- (b) Use of appropriate tools and systems required for the delivery of meteorological and hydrological information to end-users;
- (c) User interaction;
- (d) Self-management and team-working in a media environment.

Competency requirements for a disaster prevention and mitigation weather advisor

- (a) Communicate warnings and associated information, including uncertainties and confidence levels, to users;
- (b) Develop products, procedures and services to meet user needs;
- (c) Develop and manage DPM stakeholder relationships;
- (d) Promote and implement impact assessments and community outreach; and
- (e) Ensure the quality of information, services and procedures.

Competency requirements for persons engaged in the innovation, improvement and delivery of meteorological and hydrological services and products

- (a) Knowledge of meteorology and hydrology, as well as models and systems used in operational forecasting;
 - (b) Ability to apply existing and new technologies effectively;
 - (c) Knowledge of user requirements for applications of meteorological and hydrological information.
- (2) Request the Secretary-General to make the necessary amendment, as required, for the incorporation of the PWS Competency Framework and top-level competency requirement into the *WMO Technical Regulations* (WMO-No. 49)
 - (3) Request the Secretary General to publish guidelines for Members on the implementation of the PWS forecasters and advisors competency requirements based on the PWS Competency Framework as given in the *Abridged Final Report with Resolutions and Recommendations of the 2014 Extraordinary Session of the Commission for Basic Systems* (CBS-Ext.(2014), WMO-No 1140).
 - (4) Request the CBS, in coordination with the Secretariat, to develop appropriate training material on the competency assessment of PWS forecasters and advisors.
 - (5) Urge Members to consider timely implementation of the Recommended Practices on the competency of PWS forecasters and advisors.
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