

QMS, Competency and
Qualifications requirements

Update on implementation

QMS

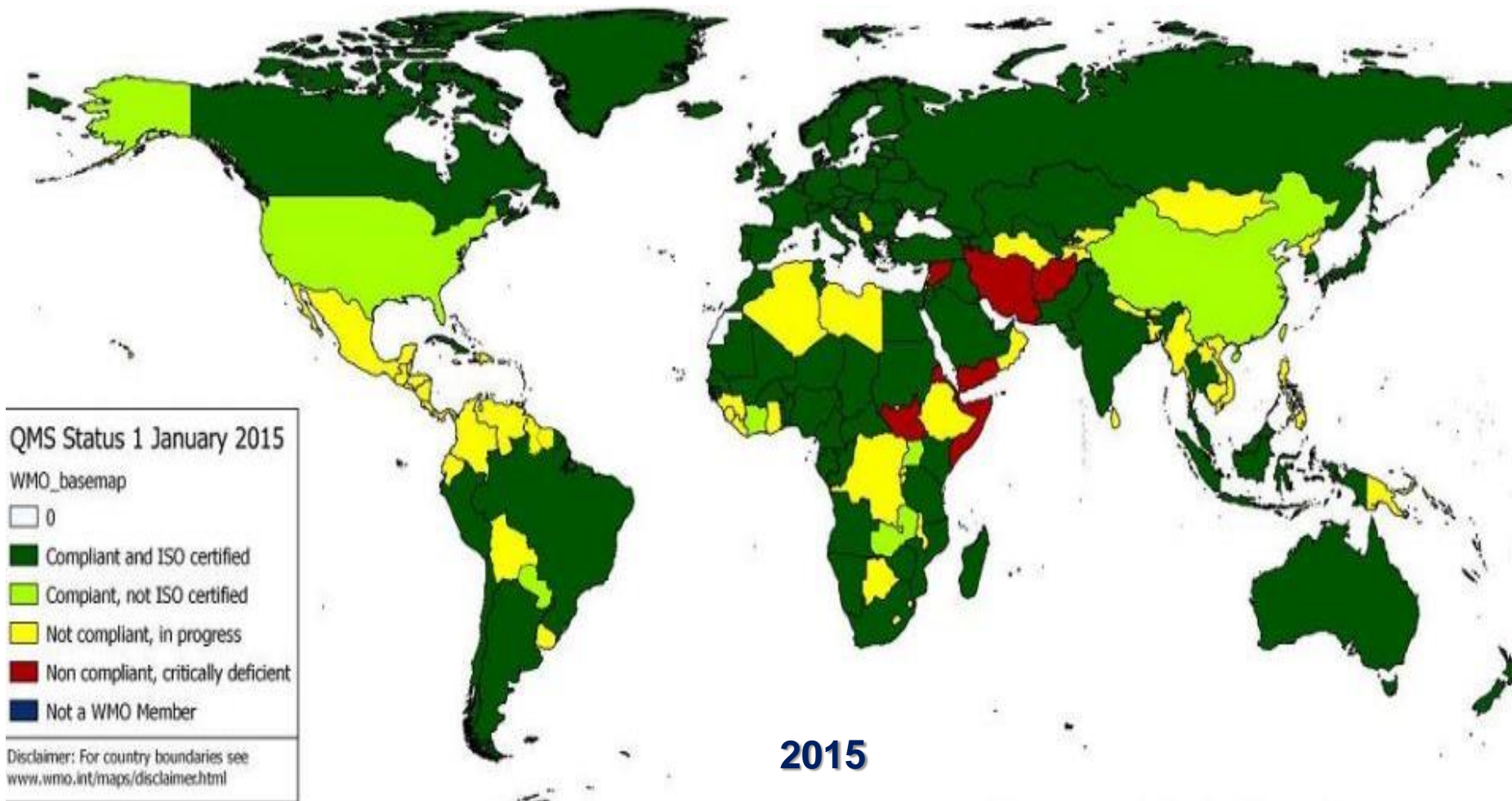
- WMO, assisted by several Members has been conducting capacity development actions in all regions including training events, projects and twinning arrangements
- The status of implementation varies from region to region, e.g., RA VI (Europe) > 90 % of Members, Region II (Asia) - ~30%, Region V - ~50%;
- Region I improved from 25% to almost 60% through a collective ISO certification of ASECNA countries
- Another metrics shows that more than 90% of the busy air routes are covered by ISO certified AMSPs

QMS

- Reminder – QMS requirement for MET was introduced as a MET contribution to the Safety Management
- Competency requirement for the AMP was added by WMO as complementary to the QMS
- The MET service is a information service supporting decisions affecting safety efficiency and environment, thus, consistency and quality of the service is of primary importance
- QMS and competency ensure consistency and quality of the service, including the user focus and fitness for purpose
- CAeM accorded high priority on building capacity of Members and their NMHSs (many of them also AMSPs) to comply with these requirements. Moreover, WMO Strategic Plan 2012-2015 and the new one 2016-2019, identified aviation MET service as one of the top strategic priorities of WMO



QMS Implementation



Status of Implementation of QMS and Competency Assessment Standards for Aviation MET by the PMC Members

Country	QMS Status	CA Status
Cook Islands	N**	?
Fiji	Y	4 (CA in progress)
French Polynesia	Y	?
Kiribati	N**	?
Micronesia	N	?
Nauru*	?	?
New Caledonia	Y	?
Niue	N**	?
Palau*	?	?
Papua New Guinea	N**	?
Samoa	N**	4 (CA in progress)
Solomon Islands	N**	4 (CA in progress)
Tonga	N**	2 (Adapted WMO toolkit)
Tuvalu	N**	?
Vanuatu	Y	?

*Not WMO Member

** Advanced stage with FMI and BoM assistance

“?” No information

E&T, Competency, Qualification

- Annex 3

2.4.5 Each Contacting State shall ensure that the designated meteorological authority complies with the requirements of the WMO with respect of qualification and training of meteorological personnel providing service to international air navigation.

Note: Requirements concerning qualifications and training of meteorological personnel in aeronautical meteorology are given in WMO Technical Regulations (WMO-No.49), Volume I, General Meteorological Standards and Recommended Practices, Chapter B.4, Education and Training

E&T, Competency, Qualification

Annex 1 – Personnel Licensing

4.8 Aeronautical meteorological personnel

Note.— The requirements for training and qualifications for all aeronautical meteorological personnel are the responsibility of the World Meteorological Organization (WMO) in accordance with the Working Arrangements between the International Civil Aviation Organization and the World Meteorological Organization (Doc 7475). The requirements can be found in WMO Document 258 — Guidelines for the education and training of personnel in meteorology and operational hydrology — Volume I: Meteorology.

E&T, Competency, Qualification

WMO document – current status

- WMO-No.49, Technical Regulations, Vol I
 - Chapter 4 – Education and Training
 - Definition of BIP-M and BIP-MT
 - Chapter 5 – Qualification and Competency
- WMO-No.1083, Manual (replaced WNO-No.258) – implementation guidance

E&T, Competency, Qualification

Qualification. The minimum core knowledge, usually acquired through education, required to enter a profession.

Note: Qualifications are frequently based on successful completion of a formal course of study or examination through an institution endorsed for such purposes at the national level (for example, a university).

Competency. The knowledge, skills and behaviours required to perform specific tasks in the fulfilment of a job responsibility.

Note: Competencies are often acquired and assessed on the job or through a variety of training opportunities.

ICAO Annex 15

3.7.4 Within the context of the established quality management system, the competencies and the associated knowledge, skills and abilities required for each function shall be identified, and personnel assigned to perform those functions shall be appropriately trained. Processes shall be in place to ensure that personnel possess the competencies required to perform specific assigned functions. Appropriate records shall be maintained so that the qualifications of personnel can be confirmed. Initial and periodic assessments shall be established that require personnel to demonstrate the required competencies. Periodic assessments of personnel shall be used as a means to detect and correct shortfalls.

Note.— Guidance material concerning training methodology to ensure the competency of personnel is contained in the Aeronautical Information Management Training Development Manual (Doc 9991).

Proposal to include a competency provision in Annex 3

Draft Conclusion APANPIRG XX

That,

In order to align the provisions concerning the required competency of operational personnel, ICAO Secretariat is requested to consider inclusion in Annex 3 a new provision on the competency of aeronautical meteorological personnel, similar to paragraph 3.7.4 in Annex 15 on the competency of AIS personnel, with appropriate reference to relevant WMO material on competency and qualification of aeronautical meteorological personnel.