



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

ESAF/WACAF MET Competency standards
for Aeronautical Meteorological Personnel



Understanding the regulatory framework of Aeronautical Meteorological Personnel Competency standard

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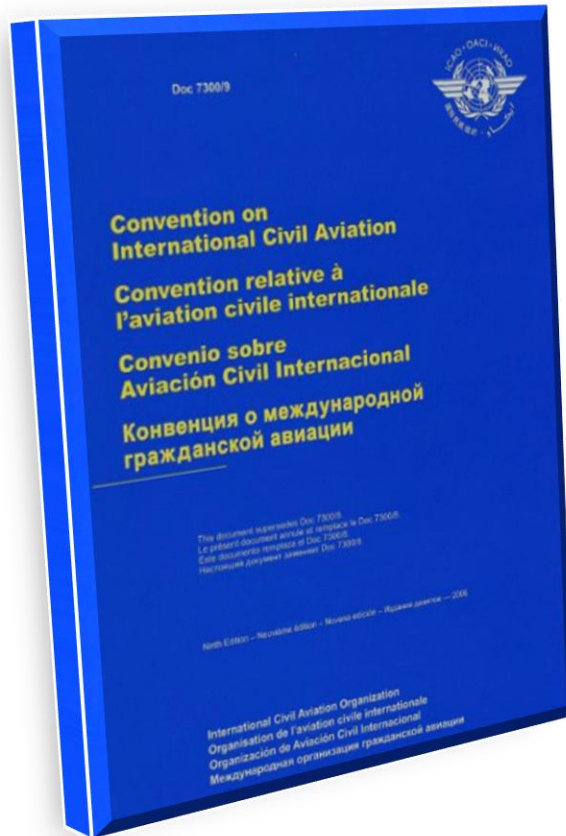
ASECNA; MET Project 4 Team Member

Contents

- Qualification Training and Competence
- Quality Management System



Chicago Convention (ICAO – 7300)



Article 28: Air navigation facilities and standard systems

- Each Contracting State undertakes to
 - provide in its territory, airports, essential air navigation services including Aeronautical Meteorology Services
 - to facilitate international air navigation....
 - and this should be done in accordance with the standards and recommended practices

Working Arrangements between ICAO and WMO



ICAO is responsible for

- defining and encouraging the provision of the services which civil aviation requires for safe, regular, economic and efficient operation and
- recommending where, in what forms and at what times such services shall be rendered....

WMO is responsible for

- specifying the technical methods and recommended practices for use in providing required meteorological services, and
- encouraging the application of meteorology to human activities including aviation

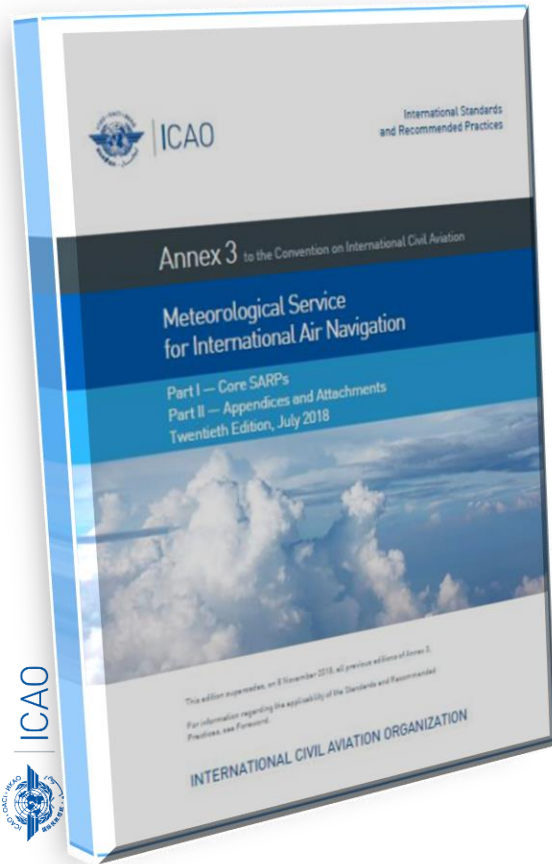
Working Arrangements between ICAO and WMO Cont.



Doc 7475 §4; Qualification of Meteorological Personnel engaged in the provision of Meteorological Services for International Air Navigation

- **WMO will be responsible for**
 - specifying the requirements for meteorological knowledge of meteorological personnel engaged in the provision of meteorological service for international air navigation,
- The definition of the requirements for non-meteorological operation knowledge that should be met by such personnel
 - will be undertaken by ICAO and will be transmitted to WMO
 - in the form of recommendations

Annex 3 to the Chicago Convention



Introductory Note 1,-

It is recognized that the provisions of this Annex with respect to meteorological information are subject to

- *the understanding that the obligation of the Contracting State is for the supply, under Article 28 of the Convention on International Civil Aviation, of meteorological information and that the responsibility for the use made of such information is that of the user.*

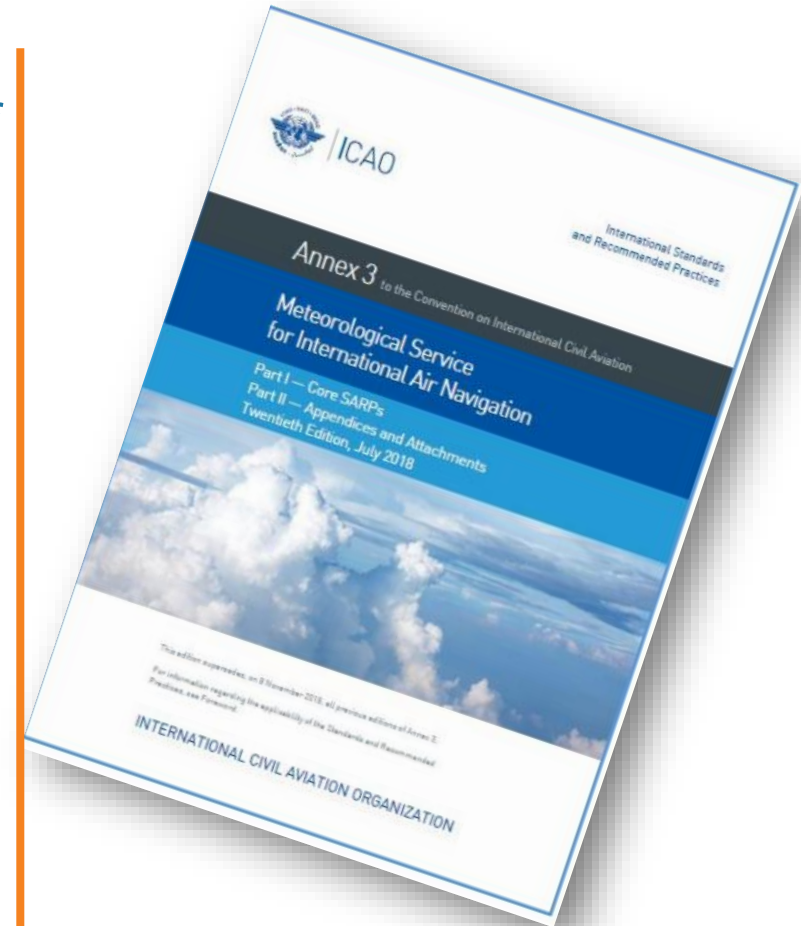
2.1.5 Each Contracting State shall

- ensure that the designated meteorological authority
 - complies with the requirements of the World Meteorological Organization in respect of qualifications and training of meteorological personnel providing service for international air navigation.

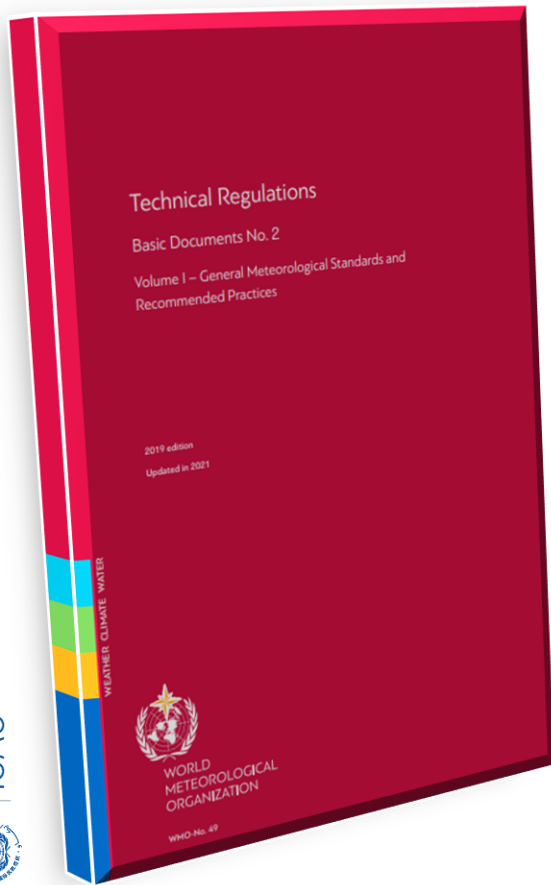
Annex 3 to the Chicago Convention Cont.

Note, - Requirements concerning the qualifications and training of meteorological personnel in aeronautical meteorology are given in the:

- Technical Regulations (WMO-No. 49), Volume I – General Meteorological Standards and Recommended Practices,
 - **Part V** — Qualifications and Competencies of Personnel Involved in the Provision of Meteorological (Weather and Climate) and Hydrological Services,
 - **Part VI** – Education and Training of Meteorological Personnel.....



Qualifications Education and training Requirements (WMO – N°49)

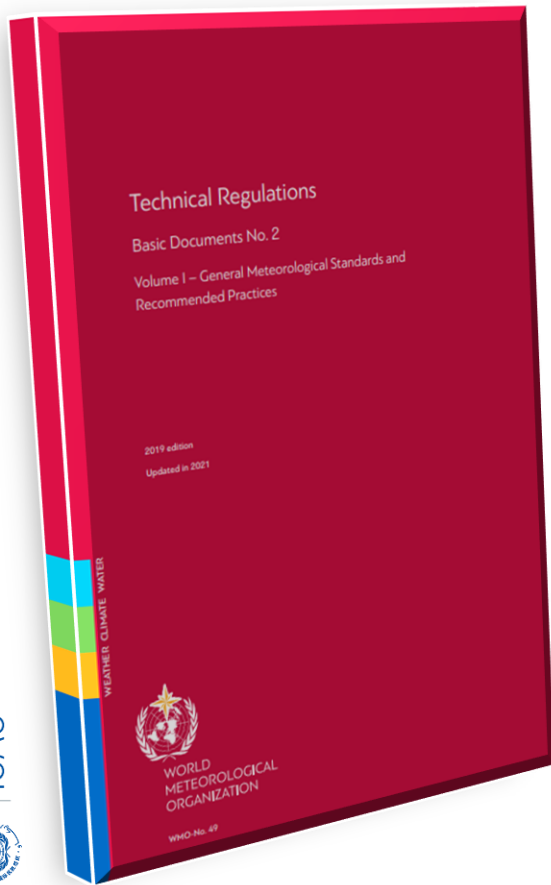


1.2.1.1 (*Part V*) Members shall ensure, taking into consideration the area and airspace of responsibility; the impact of meteorological phenomena and parameters on aviation operations; aviation user requirements; international regulations and local procedures and priorities, that **an aeronautical meteorological forecaster (observer) has successfully completed the Basic Instruction Package for Meteorologists (BIP-MT) with regard to qualifications and training requirements.**

.....The contents of the Basic Instruction Packages are given in detail in WMO-N°49 Appendix A

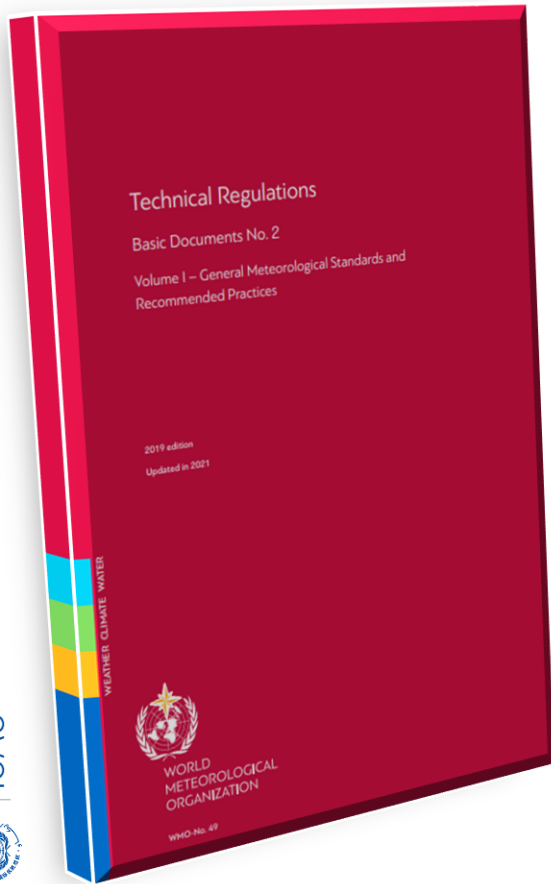
1.1.2 (*Part V*) Members should keep records of the qualifications of all personnel involved in the provision of meteorological services.....

Competency requirements (WMO – N°49, Part V)



- 1.1.4 Competency of Members' personnel should be demonstrated through
 - job performance and
 - assessed through competency assessment procedures, as appropriate.
- 1.1.5 Members should establish competency assessment procedures for different categories of operational personnel;
- competency assessment should be repeated at regular intervals;
 - defined by the quality management practice of each member.

Competency requirements (WMO – N°49, Part V)



- **1.1.6 Members should implement WMO competencies for personnel**
 - taking due account of their local conditions, regulations, requirements and procedures.
- **1.1.7 Members should ensure that**
 - their **operational personnel undertake continuous professional development to maintain competence.**

Quality Management System Requirements (Annex 3 to CC)

2.2.2 Each Contracting State shall ensure that the designated meteorological authority establishes and implements a properly organized quality system comprising procedures, processes and resources necessary to provide for the quality management of the meteorological information to be supplied to the users listed in 2.1.2.

2.2.3 Recommendation.— The quality system established in accordance with 2.2.2 should be in conformity with the International Organization for Standardization (ISO) 9000 series of quality assurance standards and should be certified by an approved organization



ISO 9001:2015, § 7.2 Competence

The Organization shall:

- a) Determine the necessary competence of person(s) doing work under its control that affects the performance and effectiveness of the quality management system;
- b) Ensure that these persons are competent on the basis of
 - a) appropriate education, training , or experience;
- c) Where applicable, take actions to acquire the necessary competence, and
 - a) evaluate the effectiveness of the action taken;
- d) Preserve (keep) appropriate documented information as evidence of competence



Thank You!