TITLE   DP-6

QMS for AIS/MAP
Service Implementation Workshop
(Dakar, Senegal, 17 – 19 May 2011).

AERONAUTICAL INFORMATION

SERVICES

Quality management system and training for AIS/MAP

QUALITY SYSTEM

- **Introduced into Annex 15 by Amendment 29 in 1997**
- **Applicability date of the Quality system was 1 January 1998**
- **Annex 15 specifications updated by the AIS/MAP/98**

QUALITY SYSTEM

Quality system established should be in conformity with the ISO 9000 series of quality assurance standards and certified by an approved organization

(Amendment 30 to Annex 15)

QUALITY SYSTEM

The system must provide users with assurances and confidence that aeronautical data satisfy stated requirements for quality

QUALITY SYSTEM

- Quality management must be demonstrable for each functional stage of aeronautical data handling
- Aeronautical data record must be traceable to its origin

COMPLIANCE

- **Demonstration of compliance of the quality system applied by audit**
- **Non-conformity, remedial action**
- **Audit observations and remedial actions documented**

QUALITY SYSTEM

- **Procedures**
- **Processes**
- **Resources**

  necessary to implement quality management at each AIS function stage

QUALITY SYSTEM AND AIS PERSONNEL

- Skills and knowledge required for each function shall be identified and AIS personnel assigned to perform those functions shall be appropriately trained
- States shall ensure that AIS personnel possess the skills and competencies required to perform specific assigned functions

QUALITY SYSTEM AND AIS

PERSONNEL

- Appropriate records shall be maintained so that the qualifications of AIS personnel can be confirmed
- Initial and periodic assessments shall be established in order to allow the AIS personnel to demonstrate the required skills and competencies

QUALITY SYSTEM AND AIS PERSONNEL

Analysis of periodic assessments of AIS personnel shall be used as a mean to detect and correct shortfalls

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In the context of the Quality System

The objectives concerning skills and competency management must include:

- **identification of the functions to be performed**
- **establishment of the knowledge and skills required for each step of the processes**
- **assurance that the personnel assigned to those functions have the required knowledge and skills**
- **and, that they are competent to perform those functions**

AIS TRAINING MANUAL

- States must place emphasis on the human component in their quality management program for AIM
- Development of an ICAO training program by establishing uniform standards for the qualifications and scope of knowledge which must be met by AIM technical officers worldwide

AIS TRAINING MANUAL

Doc 7192

TRAINING MANUAL

Part E-3

AERONAUTICAL INFORMATION SERVICES PERSONNEL

AIS TRAINING

AIS Training Manual has been prepared by the Personnel Licensing and Training (PEL/TRG) Section of ICAO, with support and input from the ICAO Aeronautical Information and Charts (AIS/AIM) Study Group.

AIS TRAINING MANUAL

- **The second edition of Doc. 7192, Part E 3 - has been developed taking into account the changed conditions and requirements for AIM**
- **Document contains training syllabi for AIM officers**

AIS TRAINING MANUAL

Doc 7192, Part E-3 contains:

⇓ PHASE I - Common Core Knowledge
  – Aviation specific knowledge requirements; and
  – AIM specific knowledge requirement
⇓ PHASE II – AIM Specialization
  – Knowledge, skills and performance requirements:
    · AIS/MAP Aerodrome Unit/ARO
    · International NOTAM Office (NOF)
    · AIS/MAP Database
    · AIS/MAP Documentation/Editing/Text Processing
    · Aeronautical Cartography

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AIS TRAINING

An AIM officer must complete PHASE I
and at least one PHASE II specialist
training course before being assigned
to work on the specific position

AIS TRAINING

- **Since the AIS Quality Management System Manual and AIS Training Manual are closely related, these two documents have been prepared simultaneously**

- **Issuance of the Draft QMS manual is expected in soon while the Training manual has been revised and completed by the ICAO AIS/AIM Study Group.**

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AIS LICENCING

- **Following completion of AIS Training Manual, work on AIS personnel licensing will continue**

- **Consideration should be given to propose an amendment to Annex 1 suggesting establishment of licenses for specific AIS functions**

- **It will be the ANC's decision to accept or to reject the proposal**

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Questions?

Thank You