



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

*Workshop on the Implementation of
Amendment 82 to Annex 3 to Chicago
Convention and the PANS-MET*

(Praia, Cabo Verde, 30 March – 3 April 2026)



Session 5: Challenges, and capacity-building needs

PPT5.1 Identification of technical, institutional and human challenges related to the implementation of AMD 82 to Annex 3

ICAO, WACAF Office

Group work: Identification of challenges related to the implementation of Amendment 82 to Annex 3 to the CC

Objective of the exercise

Enable participants to:

- 1) identify the main technical, institutional and human challenges related to the implementation of Annex 3 Amendment 82 and the MET-NAPS;**
- 2) analyze the impacts on regulatory authorities and MET service providers;**
- 3) propose possible solutions to overcome these challenges.**

Group work: Identification of challenges related to the implementation of Amendment 82 to Annex 3 to the CC

Initial situation

- State X engage for the implement of the provisions of Amendment 82 to the Annex 3 to Chicago Convention and the New PANS-MET. This implementation involves several changes, including:
 - ◇ the integration of new provisions into national regulations;
 - ◇ the adaptation of the operational procedures of MET Service Provider;
 - ◇ the transition to digital formats for the exchange of meteorological data;
 - ◇ strengthening quality management and safety oversight.
- Authorities and service providers anticipate several challenges that may affect effective implementation.

Group work: Identification of challenges related to the implementation of Amendment 82 to Annex 3 to the CC

Group 1: Technical Challenges

- Identify technical challenges, such as:
 - ◇ modernization of the systems for the production and dissemination of MET data;
 - ◇ implementation of digital formats (e.g. IWXXM);
 - ◇ interoperability with ATS and AIM and MET systems;
 - ◇ MET Data Quality Management;
- Propose recommendations to address these challenges.

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Group 2: Institutional challenges

- Identify challenges related to organizational and regulatory aspects, for example:
 - ◇ updating of national regulations;
 - ◇ clarification of responsibilities between authorities and suppliers;
 - ◇ coordination between MET, ATS and AIM services;
 - ◇ Safety oversight mechanisms.
- Propose recommendations to address these challenges.

Group work: Identification of challenges related to the implementation of Amendment 82 to Annex 3 to the CC

Group 3: Human Resources challenges

Identify human resources challenges, for example:

- ◇ need for training MET staff;
 - ◇ adaptation to new procedures and technologies;
 - ◇ availability of specialized experts;
 - ◇ Change management related to the implementation of Amendment 82.
- Propose recommendations to address these challenges.

Set up of Working Groups

Group 1 : Technical challenges

Examples: MET systems not compatible with new formats (IWXXM, digital exchange), lack of certain capabilities required by PANS-MET, ICT infrastructure constraints.

Group 2 : Institutional challenges

Examples: delay in updating national regulations, lack of a formalized roadmap, unclear roles between the Authority, ANSP and MET provider, lack of oversight mechanisms.

Group 3 : Human Resources challenges

Examples: training needs on the new requirements of Annex 3 and the PANS-MET, resistance to change, lack of qualified MET/IT personnel.

Group work: Identification of challenges related to the implementation of Amendment 82 to Annex 3 to the CC

Each group will present the results of its work using a template like the table below

| Challenge Category | Challenge identified | Operational impact | Solution or mitigation measures |
|--------------------|---|---|---------------------------------|
| Ex.: Technique | Current version of SADIS not compatible with the IWXXM format | Difficulty receiving SGWX in IWXXM format | Migrate to the SADIS API |
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Thank You!