



INTERNATIONAL CIVIL AVIATION ORGANIZATION

Ninth Meeting of the AASPG Infrastructure and Information Management Sub-Group (IIM/SG9)

Dakar, Senegal, from 3 to 7 August 2026

Agenda Item 3: Achievements in Infrastructure and Information Management

3.4 Progress in the Implementation of the AASPG IIM Projects

WP3.4E: Achievements of AFI Surveillance and Data Sharing Enhancement Initiative “AFI-SURVDATA” Project

(Presented by PTC)

SUMMARY
This paper presents the achievements, challenges, and planned activities of the AFI-SURVDATA Project in support of surveillance modernization and data sharing in the AFI Region. Action by the meeting in paragraph 3
REFERENCE(S): - Annex 10 Aeronautical telecommunications, Volume IV Surveillance and Collision Avoidance Systems - DOC 9871 Technical Provisions for Mode S Services and Extended Squitter - DOC 10037 Global operational datalink manual - Circular 326 Assessment of ADS-B and Multilateration Surveillance - DOC 9924 Aeronautical Surveillance Manual - DOC 9750 Global air navigation plan - AASPG procedural handbook - Africa-Indian Ocean (AFI) Air Navigation Plan
This working document relates to ICAO Strategic Goals: - <i>A: Every Flight is safe and secure</i> - <i>C: Aviation delivers seamless, accessible and reliable mobility for all.</i>

1. INTRODUCTION

- 1.1 Surveillance technologies are key enablers of safe, efficient, and seamless air traffic management. AFI States and ANSPs have made significant investments in modern surveillance systems, including SSR Mode S, ADS-B and MLAT.

- 1.2 To build on these advancements and enhance regional interoperability, AASPG established the AFI-SURVDATA Project under the Infrastructure and Information Management Sub-Group (IIM/SG) to assess surveillance capabilities, promote surveillance data sharing, and support the development of a regional surveillance roadmap.

2. DISCUSSIONS

2.1 Establishment and organization of the project

- 2.1.1 Following the official launch of the AFI-SURVDATA Project in May 2026, the Project Team was established and conducted coordination meetings to define project priorities, deliverables, timelines and implementation arrangements.
- 2.1.2 The Project Team developed and approved a Project Organization Document (POD) defining the project governance structure, scope, objectives, roles and responsibilities, deliverables, and reporting arrangements (Appendix 1).
- 2.1.3 The Project Team also developed a detailed Project Work Plan outlining the activities, milestones, responsibilities and timelines for project implementation (Appendix 2).

2.2 Development of the AFI regional Surveillance survey

- 2.2.1 In accordance with the approved Work Plan, the Project Team developed a regional surveillance survey questionnaire to collect information on:
 - Surveillance infrastructure and coverage;
 - ATM automation and surveillance data processing systems;
 - Surveillance data-sharing arrangements;
 - Cybersecurity measures;
 - Aircraft surveillance equipage levels; and
 - Future surveillance development priorities.
- 2.2.2 The survey is intended to establish a regional baseline of surveillance capabilities and support future analysis of surveillance data-sharing opportunities.

2.3 Surveillance Data Sharing Initiative

- 2.3.1 The Project Team initiated discussions on surveillance data sharing as a means to enhance situational awareness, improve operational efficiency and promote regional interoperability.
- 2.3.2 The project identified the need to collect information relating to:
 - Existing surveillance data-sharing arrangements;
 - Communication networks;
 - Data formats and protocols;
 - Operational procedures;
 - Institutional frameworks; and
 - Cybersecurity provisions.

2.4 Next steps

2.4.1 The next phase of the project will focus on:

- a) Distribution of the survey to AFI States and ANSPs;
- b) Collection and analysis of survey responses;
- c) Development of a regional inventory of surveillance systems and capabilities;
- d) Identification of surveillance data-sharing opportunities and interoperability requirements; and
- e) Development of a regional surveillance roadmap.

2.5 Conclusion

2.6 The AFI-SURVDATA Project has successfully completed its initial implementation phase through the establishment of the Project Team, development of the Project Organization Document and Work Plan, and preparation of the regional surveillance survey questionnaire.

3. ACTIONS BY THE MEETING

3.1 The meeting is invited to :

- a) Note the information contained in this paper on the progress achieved by the AFI-SURVDATA Project Team; and
- b) Encourage States and ANSPs to provide timely responses to the surveillance survey.

----- END -----