



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

**TWENTY-SECOND MEETING OF THE AFI PLANNING AND IMPLEMENTATION
REGIONAL GROUP (APIRG/22) AND FIFTH MEETING OF THE REGIONAL AVIATION
SAFETY GROUP FOR AFI REGION (RASG-AFI/5)**
(Accra, Ghana, 29 July - 02 August 2019)

Agenda Item 3: Regional Activities related to APIRG/RASG-AFI common areas

Aeronautical Information Management (AIM)

(Presented by the Secretariat)

EXECUTIVE SUMMARY

This working paper presents the AFI Plan Aeronautical Information Management (AIM) Project aimed at establishing an AIM Go Team in the AFI Region

The action by the meeting is at Paragraph 3.

<i>Strategic Objectives:</i>	This working paper relates to the Safety and Air Navigation Capacity and Efficiency Strategic Objectives.
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<i>References:</i>	<ul style="list-style-type: none">• <i>Annex 15 to the Convention on International Civil Aviation</i>• <i>ICAO Doc 10066, Procedures for air navigation services – Aeronautical information management (PANS-AIM)</i>• <i>ICAO Doc 9750, Global Air Navigation Plan</i>• <i>AFI Plan Steering Committee, 22nd Meeting Report</i>
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1. INTRODUCTION

1.1 The ICAO Council has recently adopted a new amendment (Amendment 40) to Annex 15 to the Convention on International Civil Aviation (Chicago Convention) and approved a first new edition of PANS-AIM covering *Aeronautical Information Services (AIS)*. The new provisions enable global air transport operations to complete the transition from product-centric and paper-based AIS legacy processes to a fully data-centric, quality-assured and digital aeronautical information management (AIM) environment.

1.2 In light of these latest developments, ICAO has been urged to establish a robust and collaborative framework to support States to expedite implementation and to help them overcome difficulties that may be faced by users, if aeronautical information products are not of the right quality and are implemented in different ways without harmonization nor standardization.

2. DISCUSSION

Scope of the AIM Go-Team Project

2.1 In the AFI Region, specific AIM Projects have been initiated by the APIRG to advance implementation in the aeronautical information domain. Among these projects, high priority is given to the one supporting the implementation of QMS in a digital/electronic AIM environment. An analysis of selected USOAP Protocol Questions (PQs) for the African Region shows that the effective implementation of properly organized QMS as applied to AIS processes is only 33%; therefore, still low as an average value. An important pre-requisite for States to effectively transition from AIS to AIM is to ensure that quality measures are in place.

2.2 As a continuation of the existing APIRG Project 2019/001, the 22nd meeting of the AFI Plan Steering Committee (Kampala, Uganda, 15 May 2019) approved an AIM Project to further enhance its mechanisms through the establishment of an “**AIM Go-Team for the AFI Region**” to support the implementation of QMS in a digital/electronic AIM environment.

Key elements of the AIM Go-Team Concept

2.3 The primary objective of the AIM Go-Team Concept is to bring States to a good implementation stage through a standard process which includes:

- a) engagement with the AFI States receiving assistance;
- b) in-depth analysis of their bottlenecks with implementation;
- c) provision of tailored guidance to address those challenges;
- d) identification of follow-up actions; and
- e) monitoring the execution of those follow-up actions through specific Key Performance Indicators (KPIs).

2.4 The key element of the Go-Team Concept is the “follow-up actions”. This is where the Go-Team Concept significantly differs from the standard seminars/workshops support. The follow-up actions imply that:

- a) States/ANSP are expected to develop a detailed AIM Implementation Action Plan, based on the Go-Team Recommendations, within 6 months after the on-site visit;
- b) the Go-Team is expected to monitor States` implementation as well as the operational benefits achieved, through effective feedback mechanisms;
- c) The Go-Team will also engage with the regulatory authorities and the service providers to ensure that implementation is executed; and
- d) The ICAO Regional Offices, based on the recommendations and the feedback provided by the Go-Team will guide States closely in their implementation efforts (additional States` visits).

2.5 The follow-up actions will ensure that the implementation is actually executed. The AIM Go-Team does not have direct control over the implementation process within a State; decisions relating to the implementation of Aeronautical Information Services enhancements rests with the State and its designated ANSP. However, an active engagement from States, all the concerned stakeholders within the States and the Go-Team members in the execution of the follow-up actions is the key to success.

2.6 The Go-team will be composed of:

- e) ICAO Headquarters Technical Officer/s;
- f) ICAO relevant Regional Officer/s;
- g) Recipient State/s Focal Point/s; and
- h) Partner organizations/States.

Summary of Planned Schedule

2.7 The proposed project builds upon the existing APIRG AIM Project /2019/001 and happens in conjunction with the other AFI AIM Projects (AFI AIM Project /2019/003 and AFI AIM/Project /2019/002). Therefore, the starting date and the timeframe will be adapted, taking into consideration the three projects all together as well as the additional steps required by the Go-Team Concept.

Selection of Candidate States

2.8 Based on the Protocol questions results, a list of potential candidate States for the AIM Go-Team is provided as an **Appendix** to this working paper.

3. CONCLUSION

3.1 The meeting is invited to:

- a) Note the information provided in this working paper;
- b) Request States/ANSPs to:
 - 1) Take advantage and/or support the AFI Plan project on the establishment of an AIM Go-Team in order to ensure effective implementation of properly organized quality management systems (QMS) in the AFI Region; and
 - 2) Develop detailed and time-bound AIM Implementation Action Plans, based on the Go-Team recommendations, and facilitate the follow-up activities to be conducted by the Go-Team.

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APPENDIX

Potential candidate States¹

No.	State	Status of USOAP CMA PQ 7.267 ² : 1=Satisfactory 0=Not satisfactory
1.	Algeria	1
2.	Angola	0
3.	Benin	1
4.	Botswana	0
5.	Burkina Faso	0
6.	Burundi	N/A ³
7.	Cabo Verde	1
8.	Cameroon	1
9.	Central African Republic	0
10.	Chad	0
11.	Comoros	0
12.	Congo	0
13.	Cote d'Ivoire	0
14.	Democratic Republic of the Congo	0
15.	Djibouti	0
16.	Egypt	1
17.	Equatorial Guinea	1
18.	Eritrea	0
19.	Ethiopia	0
20.	Gabon	0
21.	Gambia	0
22.	Ghana	0
23.	Guinea	0
24.	Guinea-Bissau	0
25.	Kenya	1
26.	Lesotho	0
27.	Liberia	0
28.	Libya	0
29.	Madagascar	1
30.	Malawi	0
31.	Mali	1
32.	Mauritania	0

¹ Highlighted in blue.

² PQ 7.267: Does the State ensure that a properly organized quality management system in the AIS has been established?

³ ANS was not covered by the audit conducted to the State in 2013.

No.	State	Status of USOAP CMA PQ 7.267 ² : 1=Satisfactory 0=Not satisfactory
33.	Mauritius	0
34.	Morocco	1
35.	Mozambique	1
36.	Namibia	0
37.	Niger	1
38.	Nigeria	0
39.	Rwanda	0
40.	Sao Tome and Principe	0
41.	Senegal	0
42.	Seychelles	0
43.	Sierra Leone	0
44.	Somalia	N/A ⁴
45.	South Africa	1
46.	South Sudan	N/A ⁵
47.	Sudan	0
48.	Eswatini	0
49.	Togo	1
50.	Tunisia	1
51.	Uganda	0
52.	United Republic of Tanzania	1
53.	Zambia	1
54.	Zimbabwe	0

⁴ State not audited

⁵ State not audited