INTERNATIONAL CIVIL AVIATION ORGANIZATION

Second Meeting of the AFI Aviation System Planning and implementation Group (AASPG/2)

Livingstone, Zambia, from 2 to 6 November 2026

Agenda Item 4: Implementation of safety and air navigation goals, targets and indicators, including priorities set in the Regional Aviation Safety and Air Navigation Plans

Updated AFI ATM Master Plan Project

(Presented by the Secretariat)

SUMMARY
This working paper presents the status of the AFI Air Traffic Management (ATM) Master Plan Project and of its deliverables including the AFI ATM Master Plan and AFI Vision 2045, future concept of operations as a key enabler for the realization of a seamless, interoperable and performance-based air navigation system across the AFI region. Given the level of maturity of the project, paper proposes its conclusion and the recognition of the work accomplished by the Project Management Team. Action by the Meeting is at **Section 3 of this Paper**

Strategic Goals:	*A - Every Flight is Safe and Secure;* • *C- Aviation Delivers Seamless, Accessible, and Reliable Mobility for All*

1. INTRODUCTION

1.1 The AFI ATM Master Plan is a strategic framework established to support the realization of a seamless, interoperable and performance-based Air Traffic Management (ATM) environment across the AFI region. The Plan is aligned with the ICAO Global Air Navigation Plan (GANP), the Aviation System Block Upgrade (ASBU) framework, the AFI Air Navigation Plan, and provides a roadmap for the modernization of Communication, Navigation, Surveillance (CNS), Information Management and ATM operational capabilities.

1.2 The Plan supports the AFI region's objective of establishing a seamless airspace within existing Flight Information Regions (FIRs) through harmonized implementation of air navigation improvements, enhanced interoperability, improved safety performance,

increased capacity, operational efficiency and environmental sustainability. The ATM Master Plan and its association visionary document further provide guidance on infrastructure planning, technology deployment, implementation priorities, investment considerations and performance monitoring.

2. DISCUSSIONS

2.1 The AAMP PMT has developed a draft version of the AFI ATM Master Plan incorporating regional aviation priorities, including the Single African Air Transport Market (SAATM), Free Route Airspace (FRA), Air Traffic Flow Management (ATFM), Performance-Based Navigation (PBN), System-Wide Information Management (SWIM), civil-military coordination, environmental sustainability and aviation safety initiatives.

2.2 The plan and its vision 2045/CONOPS document aligns implementation planning with projected traffic growth, identified airspace constraints, emerging operational requirements and technological developments within the GANP and ASBU framework.

2.3 Key implementation priorities of the AFI region include:

- Harmonized implementation of Free Route Airspace (FRA);
- Accelerated implementation of Performance-Based Navigation (PBN);
- Enhancement of ATS Interfacility Data Communication (AIDC) and system-supported coordination;
- Migration from AFTN to AMHS;
- Deployment of SWIM-enabled information exchange services;
- Continued implementation of ADS-B, ADS-C and CPDLC capabilities;
- Strengthening of ATFM and Collaborative Decision Making (CDM); and
- Enhancement of AIM, SAR and Meteorological systems integration.

2.4 The PMT noted that the review of the AFI ATM Vision 2045 and Future Concept of Operations remains ongoing. The review is intended to ensure alignment with the latest GANP Edition, updated ASBU framework, emerging automation technologies, digital transformation initiatives, artificial intelligence applications and resilience objectives extending the planning horizon toward 2045 and beyond.

2.5 The current version of the AFI ATM Master Plan and the AFI ATM Vision 2045, Future Concept of Operations have been improved through the inputs o from the AAO/SG and IIM/SG mechanisms as well as the secretariat consolidation work which have provided a sufficiently mature basis for consideration by AASPG/2 . The AFI ATM Master Plan and the AFI ATM Vision 2045, future CONOPS are in **Attachments A** and **B** respectively.

2.6 These two documents will serve as key inputs to the preparation of the AFI Air navigation Master Document in the framework of the AFI ANS Summit which is developed under a specific paper.

2.7 The expected deliverables of the project having been duly submitted and given that the project has been running since 2021, it is suggested that the Meeting consider its conclusion and

recognize the significant results achieved by the AFI ATM Master Plan Project Management Team whose members' list is in **Appendix 1**.

3. ACTION BY THE MEETING

The meeting is invited to:

a) note the status of the AFI ATM Master Plan and the progress achieved by the AAMP PMT;

Review and endorse the AFI ATM Master Plan and AFI ATM Vision 2045, future concept of operations in Attachment A and B as the regional framework for ATM modernization and seamless ATM implementation within the AFI region,

b) Encourage States to align their national plans with the AFI ATM Master plan as appropriate;

c) Recognize the significant achievement by the AFI ATM Master Plan Project Management Team; and

d) Endorse the conclusion of the AFI ATM Master Plan Project Management Team and task the Secretariat to establish a plan maintenance team as appropriate.

e)

f) .

----- END -----

AASPG/2 Decision 2/XX: AFI ATM Master Plan Project mandate and deliverables	
Why:	*That, to support the timely, harmonized and effective implementation of seamless air navigation in the AFI region,*
What:	*a) the AFI ATM Master Plan and the AFI ATM Vison 2045, future Concept of Operations are endorsed;* *b) the Secretariat to coordinate the timely incorporation of the ATM Master plan and its related visionary document in the deliverables of the ANS Summit;* *c) the AFI ATM Master Plan Project is concluded and its Project Management Team commended for the significant achievement;* *d) States to align their national air navigation plan with the ATM Master plan by 20 June 2028.*
Who:	*a) AASPG/2* *b) AASPG Secretariat* *c) AASPG/2* *d) States*
When:	*a) 6 November 2026* *b) AASPG/3* *c) 6 November 2026* *d) 30 June 2028*

Implementation follow-up					
Follow-up required	Yes ☒ No ☐	Metrics	**Metric 1:** Relevant AFI ANS Summit preparation deliverables aligned with the endorsed AFI ATM Master plan . **Metric 2:** Number of States with national air navigation plan aligned with the AFI ATM Master Plan	Means to collect data	Secretariat report to PRCC and AASPG AAMP Project termination report

ATTACHMENT A – AFI ATM MASTER PLAN

ATTACHMENT B- AFI ATM VISION 2045, FUTURE CONOPS

APPENDIX 1- LIST OF THE AFI ATM MASTER PLAN PROJECT MANAGEMENT TEAM

	Name	State/Organisation	Area of expertise
1.	James Davis	South Africa	ATM
2.	Collins Ochillo	Kenya	ATM
3.	Richard Cherop	Kenya	ATM
4.	Isaack Ojwang	Kenya	ATM
5.	William Mfune	Zambia	ATM
6.	Besa Makuka	Zambia	AIM
7.	Ananias Sichone	Zambia	ATM
8.	Yassine El Charkaoui	IATA	OPS
9.	Protus Otieno Seda	IATA	OPS
10.	Rosemary Kyalo	IFATCA	ATM
11.	George Mbugua	IFATCA	ATM
12.	Ahmed Bolakale	Nigeria	ATM
13.	Ernest Gorou	ASECNA	ATM
14.	Sarafina Maxwanu	Namibia	ATM
15.	Faraji Ssenkooto	Uganda	ATM
16.	Geoffrey Okot	Uganda	ATM
17.	Bedan Thendu	SatNav-Africa JPO	ATM
18.	Gauthier Madika	DRC	ATM
19.	Billy Diabasenga	DRC	ATM
20.	Kennedy Blege	Ghana	ATM
21.	David Akuamoah Boateng	Ghana	ATM
22.	Augustin Mbaraga	Rwanda	ATM
23.	Penda Tonye Victor Arnaud	Cameroon	CNS
24.	Gnassou Sandrine	Cote D'ivoire	CNS
25.	Gouamane Rock Levis	Cote D'ivoire	MET
26.	Brou Olivier Bitti	Cote D'ivoire	PANS OPS
27.	MBA NKILLI LEONEL	Gabon	MET

28.	Else Laurianne MAGUENDJI	Gabon	CNS
29.	Albertina Anderson	Namibia	CNS
30.	VICTOR KAURIMUJE	Namibia	MET
31.	Abraham Kahenge	Namibia	AIM
32.	Raoul Bester	South Africa	AIM
33.	Ouro-Loga Tadjidini	Togo	CNS
34.	Anoba Yao Kuma	Togo	CNS
35.	Yendoubouame Lare	Togo	AIS/MAP
36.	Wampa Kokou Mefo	Togo	MET