INTERNATIONAL CIVIL AVIATION ORGANIZATION

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP
NINETEENTH MEETING (APIRG/19)
(Dakar, Senegal, 28 to 31 October 2013)**

**Agenda Item 3.5:   Performance Framework for Regional Air Navigation Planning
Implementation**

AIS TO AIM TRANSITION ACTIVITIES IN ASECNA

*(Presented by the Agency for Air Navigation Safety in Africa
and Madagascar (ASECNA))*

SUMMARY
The 11th Air navigation conference (AN-Conf/11) has approved ATM operational concept and under its recommendation (1/8), this meeting has clearly defined the objective of Aeronautical Information. It is in the way to reach this objective that ICAO road map for the transition from AIS to AIM was adopted in 2009.
This information paper's objective is to show the status of AIS to AIM transition implementation in ASECNA States Members accordingly to the ASBU methodology.
Action: The meeting is invited to:
a)   take note of the implementation status of AIS to AIM transition activities conducted by ASECNA; and
b)   Urge States and Industry to develop international cooperation and partnership for AIM objectives, particularly for Database share and electronic terrain and obstacle data survey settlement.

Financial Incidence	Important implementation financial means
REFERENCES: GPI-18 Aeronautical Information GPI-20 WGS-84 Recommendation 1/8-AN-Conf/11 AIS TO AIM Roadmap ASBU methodology	
Strategic Objective(s):	This information paper relates to Strategic Objective A.

1. INTRODUCTION

1.1   The ICAO roadmap for the transition from AIS to AIM adopted in 2009, has three phases:

- Phase 1: consolidation

- Phase 2: digitalization
- Phase 3: Information management.

1.2   Concerning the ASBU methodology, these three phases are included in the module B0-30 or B0-DATM - **Service Improvement through Digital Aeronautical Information Management.** -ASECNA, since the adoption of ICAO road map for the transition from AIS to AIM, is conducting many implementation activities in order to improve all AIM services in its seventeen African States Members.—The following table gives a situation for each step of the roadmap.

2. STATUS OF TRANSITION ROADMAP IMPLEMENTATION IN ASECNA

   a.   Consolidation Phase

Steps	ICAO Ref	Actions	Implementation rate
AIRAC monitoring	**P03**	All publication are compliant with AIRAC	100%
Monitoring differences related to annexes 4 and 15	**P04**	Differences notified by states are published by ASECNA	Monitoring by AAC
WGS-84 implementation	**P05**	All international and regional aerodromes are covered. Periodic update is planned within investment programs	100%
Quality Management System	**P17**	Quality Management System is implemented in 2012 for all AIM activities ; ISO Certification is planned for 2013/2014	60%

   b.   Digitalization phase

Steps	ICAO Ref	Actions	Implementation rate
Data integrity monitoring	**P02**	Pre-check and post-check procedures are established with four check points. An indicator is used to monitor these checks.	100 % Permanent action
Data Quality monitoring	**P01**	Check procedures established to be applied by all actors Remaining challenges related to be addressed due to some weakness in coordination with external data originator	95%
		Static and dynamic database AIXM 4.5 implemented, pre-	

Integrated aeronautical information database	**P06**	operational tests are in progress. Database is linked with the automation of AIS Unit, NOF unit and AIP edition. (THALES solution : NOPIA+ANAIS)	60%
Aerodrome mapping	**P15**	Use of GIS and automation of mapping computer application is planned for 2014/2016	0%
Obstacles	**P14**	Survey for eTOD are planned - Data availability (2015/2017)	0%
Topography	**P13**		
EAIP	**P11**	eAIP is available in PDF format- Migration to AIXM in 2013/2014	70%

c. Information Management phase

Steps	ICAO Ref	Actions	Implementation rate
Aeronautical Data Exchange	**P09**	Stand by for AIXM data base full operation and ICAO specifications Link with AFICAD expected	0%
Communications networks	**P10**	- AMHS implementation 2013/2014 - IP network implementation 2013/2015	25%
Aeronautical Information Briefing	**P12**	PIB improvement and MET data integration in progress	60%
Training	**P16**	Initial and on job training progressively adapted to the transition needs	40%
Agreements with Data Originators	**P18**	SLA signature in progress with the basic data originators in each country	10%
Interoperability with meteorological products	**P19**	Standby for WXXM specifications	0%
Electronic aeronautical charts	**P20**	Planned for 2015/2017	0%
Digital NOTAM	**P21**	Standby for ICAO specifications	0%

3. CONCLUSION

3.1   In light of the above, the implementation status of AIS to AIM in ASECNA is positive and is summarized as follows:

a) **Phase 1**: all steps are implemented; AIM Quality Management ISO certification is in progress.

b) **Phase 2** : steps concerning data integrity and quality monitoring, eAIP and database are in good progress, the challenge is AMDB and eTOD; and

c) **Phase 3:** activities concerning training, communications networks, and agreements with data originators, are in progress.

3.2   Finally ASECNA is ready for the full implementation of the ASBU modules related to the Service Improvement through Digital Aeronautical Information Management.

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