INTERNATIONAL CIVIL AVIATION ORGANIZATION

**Twenty-Third Meeting of the AFI Planning and Implementation Regional Group
(APIRG/23)**

Agenda item 2: **Performance Framework for Regional Air Navigation Planning and Implementation**

2.2. **Outcome of the Third meeting of the APIRG Infrastructure and Information Management Sub-Group (IIM/SG3)**

AIXM data base and eAIP implementation in ASECNA member states

(Presented by ASECNA)

SUMMARY	
This working paper gives a feedback on AIXM database and eAIP implementation in ASECNA member States. It informs the meeting on ASECNA wish to host operational center of AFI Centralized Aeronautical Data base (AFI-CAD) Action by the Meeting	
REFRENCE(S	AN-Conf/12 Rec. 3/8 (c) • APIRG 20 Conclusion 20/33 • APIRG 21 Conclusion 21/14 • Doc 9750 Global Air Navigation Plan • Roadmap for the transition from AIS to AIM Action by the Meeting: I Paragraph 3
Strategic Objectives	A & B

1. INTRODUCTION

1.1   The roadmap for the transition from AIS to AIM adopted on 2009 has planified in it phase 2, concerning aeronautical information digitalization ,the implementation of a data base on AIXM exchange format which must lead to electronic AIP release in HTML format.

1.2   In the Global Air Navigation Plan (GANP), Aviation System Blocks Upgrade (ASBU) methodology endorsed these objectives of the roadmap through modules DATM and SWIM in the different blocks of the planification. B0-DATM module is about the introduction of initial process of digitalization and management of information through the AIXM database operations, shifting on eAIP and the availability of data in required quality. B1-DATM module should permit to follow the digitalization and the access to aeronautical information by INTERNET protocol based on standard data exchange model like AIXM, FIXM and IWXXM to reach the final objective SWIM implementation.

1.3   Taking in account these planification tools, ASECNA on behalf of member State according to its equipment and service investment plan has implemented AIXM 4.5 data base and published eAIP in HTML format for the seventeen member countries. Database and eAIP are officially in operation since 5 December 2019. eAIP is available on the web site https://aim.asecna.aero.

1.4   This implementation has been driving in the following steps :

1- Designing of AIXM data base and eAIP project ;
2- Installation of equipment and computer programms for database and eAIP operations;
3- Training for operating and maintenance personal ;
4- Elaboration and validation of operation and maintenance procedures ;
5- Signature of Service Level Agreement (SLA-AIM) with data originators under Civil Aviation Authority supervision of each country in order to assure aeronautical data quality as required;
6- Data quality initial control and integration in the database ;
7- Safety risk analysis and mitigation actions before to set up database and eAIP operation activities;
8- Initial validation of database contents and initial eAIP release ;
9- Normal operation of Database and eAIP with regular amendment publication.

The next objective is to upgrade database from AIXM 4.5 to 5.1+ and progress to the SWIM implementation.

2.   DISCUSSION

2.1   ASECNA positive experience in Database and eAIP implementation must be taken into account as an enabler for the AFI Centralized Aeronautical Database project (AFICAD).

2.2   In the framework of international cooperation, ASECNA remains favorable to insure data exchange with other aeronautical data provider of AFI region and other regions under a memorandum of understand.

2.3   Based on his experience, technical infrastructures, internal competencies and multicultural environment, ASECNA gives solid and safe assets to host, with the region agreement and in coordination with all interested parts, the operational center of AFI-Centralised Aeronautical Database (AFICAD).

3.   ACTION BY THE MEETING

3.1   The meeting is invited to take note of:

a) ASECNA progress in implementation of ASBU module B0-DATM objectives;
b) ASECNA readiness to host the AFI Centralised Aeronautical Database (AFICAD) operation Center.