



International Civil Aviation Organization

MIDANPIRG AIM Sub-Group

Second Meeting (AIM SG/2)
(Kish Island, Iran, 31 August-2 September 2015)

Agenda Item 4: Performance Framework for AIM implementation in the MID Region

INTERREGIONAL SEMINAR ON “SERVICE IMPROVEMENT THROUGH INTEGRATION OF DIGITAL AIM, MET AND ATM INFORMATION”

(Presented by the Secretariat)

SUMMARY
This paper highlights the need for an Interregional Seminar on Service Improvement through Integration of Digital AIM, MET and ATM Information.
Action by the meeting is at paragraph 3.
REFERENCES
- Global Air Navigation Plan (Doc 9750)

1. INTRODUCTION

1.1 The ICAO 38th Assembly held in Montreal, Canada, from 24 September to 4 October 2013, endorsed the Fourth edition of Global Air Navigation Plan (GANP). GANP has been designed based on Aviation System Block Upgrade (ASBU) methodology in four (4) major Performance Improvements Areas over a period of 15 year planning horizon.

2. DISCUSSION

2.1 Performance Improvement Area 2 (Globally Interoperable Systems and Data – Through Globally Interoperable System Wide Information Management) focuses on ASBU Modules which mainly support Collaborative Decision Making (CDM) through Information Management (i.e. Aeronautical Information, MET, Flight and Flow, etc.) in a SWIM environment:

Performance Improvement Area 2: Globally Interoperable Systems and Data – Through Globally Interoperable System Wide Information Management			
Block 0 (2013)	Block 1 (2018)	Block 2 (2023)	Block 3 (2028)
B0-FICE Increased Interoperability, Efficiency and Capacity through Ground-Ground Integration	B1-FICE Increased Interoperability, Efficiency and Capacity through FF-ICE, Step 1 application before Departure	B2-FICE Improved Coordination through multi-centre Ground-Ground Integration: (FF-ICE/1 and Flight Object, SWIM)	B3-FICE Improved Operational Performance through the introduction of Full FF-ICE
B0-DATM Service Improvement through Digital Aeronautical Information Management	B1-DATM Service Improvement through Integration of all Digital ATM Information		

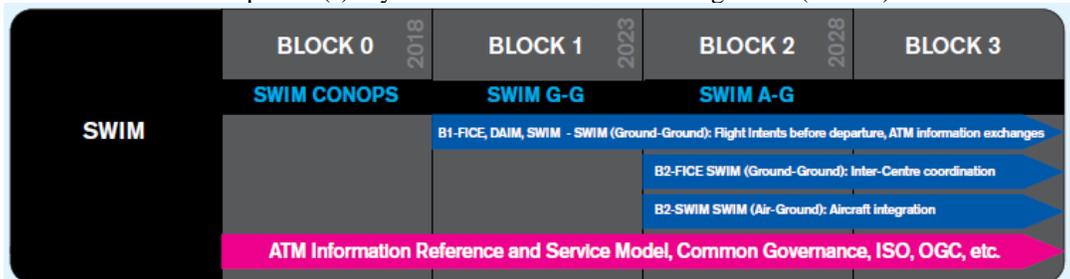
	B1-SWIM Performance Improvement through the application of System-Wide Information Management (SWIM)	B2-SWIM Enabling Airborne Participation in collaborative ATM through SWIM	
B0-AMET Meteorological information supporting enhanced operational efficiency and safety	B1-AMET Enhanced Operational Decisions through Integrated Meteorological Information (Planning and Near-term Service)		B3-AMET Enhanced Operational Decisions through Integrated Meteorological Information (Near-term and Immediate Service)

2.2 The GANP includes the below Roadmaps (7 and 8) under Information Management domain, which depict migration paths for the implementation of SWIM, Flight & Flow, AIS/AIM and Meteorology. There is no attempt to show detailed timelines in GANP, because Regions and States will have different requirements.

Roadmap 7

Domain: Information Management

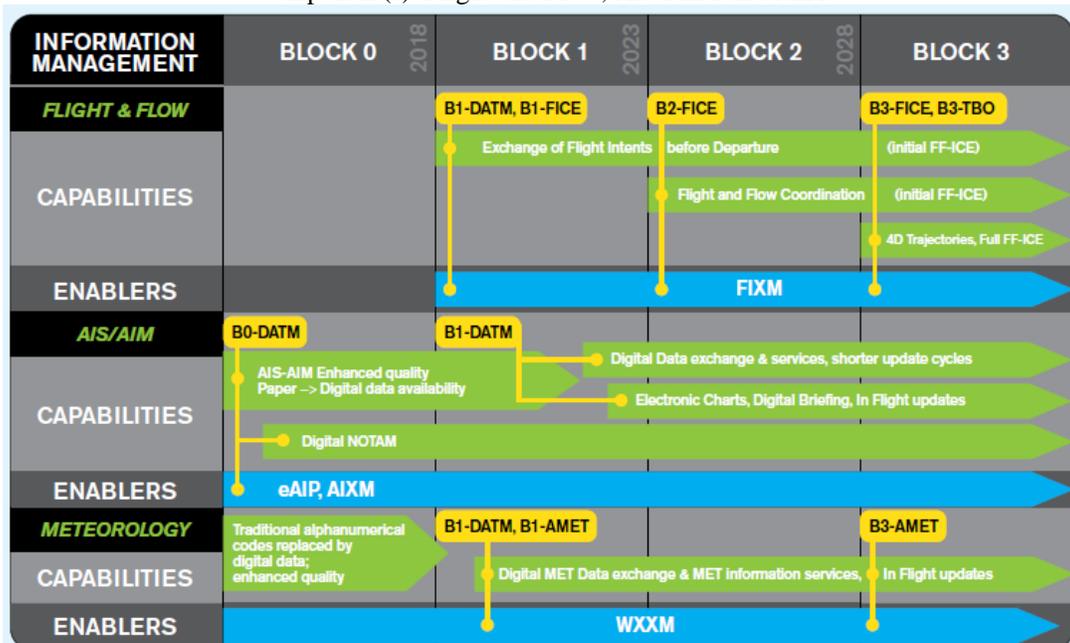
Component(s): System wide-information management (SWIM)



Roadmap 8

Domain: Information Management

Component(s): Flight and Flow, AIS/AIM and MET



2.3 The meeting may wish to note that, according to the implementation status of the Block 0 Modules of the PIA 2, critical challenges are: Implementation of QMS in AIS and MET, human resources constraints, financial issues and difficulties faced by States in transition from AIS to AIM. It is to be noted that States in the EUR and MID Region have raised the need for ICAO assistance to States.

2.4 Taking into consideration the challenges faced by States in the implementation of the Block 0 Modules of the PIA 2, it is to be highlighted that the implementation of Block 1 (2018) will be also very challenging.

2.5 Based on the above, it is proposed that an Interregional Seminar be held as a SIP jointly between the EUR/NAT and MID (and eventually APAC) on “**Service Improvement through Integration of Digital AIM, MET and ATM Information**” in 2017. The objective of the Seminar will be to monitor/review implementation status of the ASBU Block 0 Modules of the PIA 2 (i.e. B0-DATM, B0-AMET and B0-FICE) and associated challenges/lessons learned and to focus on the prerequisites for an efficient and timely planning for the implementation of the Block 1 Modules of the PIA 2 (B1-DATM, B1-AMET, B1-SWIM and B1-FICE).

2.6 The meeting may wish to note that, organisation of the Interregional Seminar is proposed to the Fourth Inter-Regional Coordination meeting between APAC, EUR/NAT and MID (IRCM/4) which will be held in Bangkok, Thailand from 14 to 16 September 2015.

3. ACTION BY THE MEETING

3.1 The meeting is invited to support the Interregional Seminar (SIP) on “**Service Improvement through Integration of Digital AIM, MET and ATM Information**” in 2017; and take action, as appropriate.