



International Civil Aviation Organization

MIDANPIRG AIM Task Force

**Seventh Meeting (AIM TF/7)
(Cairo, 25 – 27 September 2012)**

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

NATIONAL AND REGIONAL PERFORMANCE FRAMEWORKS

(Presented by the Secretariat)

SUMMARY

This paper presents briefly the outcome of the MIDANPIRG/12 meeting related to performance monitoring of the air navigation systems in the MID Region. The paper presents also revised AIM Performance Framework Forms (PFFs) for review and update, as necessary.

Action by the meeting is at paragraph 3.

REFERENCES

- AIS/MAP TF/6 Report
- ATM/SAR/AIS SG/12 Report
- CNS/ATM/IC SG/6 Report
- MIDANPIRG/13 Report

1. INTRODUCTION

1.1 Following the adoption of the performance-based approach to air navigation planning and implementation, all PIRGs in different regions have been working on the performance monitoring through an established measurement strategy. In this respect, it's to be highlighted that 8 performance Metrics have been endorsed by MIDANPIRG/12, through Conclusion 12/47, for performance monitoring of the air navigation systems in the MID Region.

2. DISCUSSION

2.1 In accordance with MIDANPIRG/11 Conclusion 11/71 – “National Performance Framework” and MIDANPIRG/12 Conclusion 12/48, MIDANPIRG/13 urged States to develop/update their National Performance Framework. It was clarified that the National Performance Framework, includes, inter-alia, the following:

- identification of the national objectives with measurable indicators and metrics, which support the regional objectives identified in the Regional PFFs;
- allocation of resources for the achievement of the agreed objectives, based on cost-benefit analysis;

- development of the National PFFs; and
- development of necessary procedures related to the collection and reporting of necessary data, performance measurement, human resources (training), coordination (internally and with neighbouring States, as appropriate), etc.

2.2 MIDANPIRG/13 reviewed the Regional PFFs related to AGA, AIM, ATM, CNS and MET and underlined that the Regional PFFs should be further reviewed to evolve to the newly designed Air Navigation Report Forms (ANRF), taking into consideration the global developments and the users' needs and expectations.

2.3 Based on the above, MIDANPIRG/13 agreed to the following Conclusion to replace and supersede the MIDANPIRG/12 Conclusion 12/48:

CONCLUSION 13/30: NATIONAL PERFORMANCE FRAMEWORK

That, States be urged to:

- a) develop, update and/or complete their National Performance Framework, including the National Performance Framework Forms (PFFs), ensuring the alignment with and support to the regional performance objectives;*
- b) incorporate the agreed MID Region Performance Metrics into their National performance monitoring process; and*
- c) report relevant data necessary for performance monitoring of the air navigation systems to the ICAO MID Regional Office, on a regular basis, with a view to update the Regional PFFs and monitor the MID Region Performance Metrics.*

2.4 The AIM PFFs as approved by MIDANPIRG/13 are at **Appendix A** to this working paper. The following KPIs/Metrics were endorsed for AIM performance monitoring in the MID Region:

- Number of States having fully implemented WGS 84;
- Number of States having implemented eTOD for Areas 1 & 4;
- Number of deficiency Priority "U" related to the AIS/MAP field (??);
- Number of States having implemented QMS;
- Number of States having developed eAIP;
- Number of States having developed a National Plan for the transition from AIS to AIM; and
- Number of States having implemented an Integrated Aeronautical Information Database (IAID)

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and update the Regional AIM PFFs at **Appendix A**;
- b) review and monitor the AIM KPIs/Metrics and propose updates, as necessary;
and
- c) urge States to develop/update their National AIM PFFs in order to ensure their alignment with and support to the regional AIM performance objectives.

APPENDIX A

MID REGIONAL PERFORMANCE OBJECTIVES
AIM PERFORMANCE OBJECTIVES

TRANSITION FROM AIS TO AIM	
Benefits	
Safety	<ul style="list-style-type: none"> Safety level improved
Environment	<ul style="list-style-type: none"> Reduced emissions through use of optimum routes/trajectories
Capacity	<ul style="list-style-type: none"> Increased capacity through better utilization of airspace
Cost effectiveness	<ul style="list-style-type: none"> Fuel cost reduction through use of optimum routes/trajectories
Performance Measurement	
Performance Metrics:	<ul style="list-style-type: none"> number of States having fully implemented WGS 84 number of States having implemented eTOD for Areas 1 & 4 Number of deficiency Priority “U” related to the AIS/MAP field Number of States having implemented QMS Number of States having developed eAIP Number of States having developed a National Plan for the transition from AIS to AIM Number of States having implemented an AIXM based AIS Database Number of States having implemented an Integrated Aeronautical Information Database (IAID)

Strategy					
ATM Operational Concept Components	Projects/Tasks	Linkage to ASBU Module	Timeframe Start/End	Responsibility	Status
ATM SDM, AUO, CM	<ul style="list-style-type: none"> improve the compliance with the AIRAC system, , including the use of the internet for the advance posting of the aeronautical information considered of importance to users. 	B0-30	Ongoing	States	valid
	<ul style="list-style-type: none"> complete WGS-84 implementation 	B0-10 B0-65	2012	States	valid
	<ul style="list-style-type: none"> monitor the implementation of WGS-84 until complete implementation of the system by all States and take remedial action, as appropriate 	B0-10 B0-65	ongoing	ICAO & AIM TF	valid
	<ul style="list-style-type: none"> foster the implementation of QMS based on the MID Region Methodology for the implementation of QMS and the Eurocontrol CHAIN deliverables 	B0-30	Ongoing	ICAO & AIM TF & States	valid

<i>Strategy</i>					
ATM Operational Concept Components	Projects/Tasks	<i>Linkage to ASBU Module</i>	Timeframe Start/End	Responsibility	Status
	<ul style="list-style-type: none"> monitor the implementation of QMS until complete implementation of the requirements by all MID States 	B0-30	Ongoing	ICAO & AIM TF	valid
	<ul style="list-style-type: none"> review and update the deficiencies in the AIS/MAP field and provide necessary guidance for their elimination 	B0-30	Ongoing	ICAO & AIM TF	valid
	<ul style="list-style-type: none"> plan for the transition from AIS to AIM in the MID Region 	B0-30	2008-2016	ICAO & AIM TF & States	valid
	<ul style="list-style-type: none"> monitor the implementation of AIS automation in the MID Region in order to ensure availability, sharing and management of electronic aeronautical information 	B0-30	2008-2013	ICAO & AIM TF	valid
	<ul style="list-style-type: none"> development of eAIPs by MID States 	B0-30	Ongoing	States	valid
	<ul style="list-style-type: none"> establishment of Integrated Aeronautical Information Database (IAID) 	B0-30	2011-2016	States	valid
	<ul style="list-style-type: none"> provision of AIM products and services based on the established IAID 	B0-30 B1-25	2013-2020	States	valid
	<ul style="list-style-type: none"> support the development of a MID Region AIS database (MIDAD) 	B0-30	2011-2016	States & ICAO & AIM TF	valid
	<ul style="list-style-type: none"> establishment of formal arrangements with approved data originators concerning aeronautical data quality 	B0-30	2009-2016	States	valid
	<ul style="list-style-type: none"> implementation of digital data exchange with originators 	B0-30	2013-2018	States	valid
	<ul style="list-style-type: none"> foster the integrated improvement of AIS/AIM through proper training and qualification of the AIS/AIM personnel in the MID Region and certification of the AIM Services 	B0-30	2011-2016	ICAO & AIM TF & States	valid

<i>Strategy</i>					
ATM Operational Concept Components	Projects/Tasks	Linkage to ASBU Module	Timeframe Start/End	Responsibility	Status
	<ul style="list-style-type: none"> provide Terrain and Obstacle data for area 1 	B0-30 B0-85 B2-25	2008-2012	States	valid
	<ul style="list-style-type: none"> provide Terrain and Obstacle data for area 4 	B0-30 B0-85 B2-25	2008-2012	States	valid
	<ul style="list-style-type: none"> assessment of Annex 15 requirements related to the provision of eTOD for area 2 and area 3 	B0-30 B0-85 B2-25	2010-2012	States	valid
	<ul style="list-style-type: none"> development of an action plan for the provision of eTOD for area 2 and area 3 	B0-30 B0-85 B2-25	2013	States	valid
	<ul style="list-style-type: none"> provide necessary Terrain and Obstacle data for area 2 	B0-30 B0-85 B2-25	2015	States	valid
	<ul style="list-style-type: none"> provide necessary Terrain and Obstacle data for area 3 	B0-30 B0-85 B2-25	2015	States	valid
	<ul style="list-style-type: none"> foster the implementation of Aerodrome mapping and electronic aeronautical charts in the MID Region 	B0-30	2012-2016	ICAO & AIM TF & States	valid
Linkage to GPs	GPI-5: Performance-based navigation GPI-11: RNP and RNAV SIDs and STARs GPI-9: Situational awareness GPI-18: Aeronautical Information GPI-20: WGS-84 GPI-21: Navigation systems				

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