



International Civil Aviation Organization

AIR NAVIGATION SYSTEMS IMPLEMENTATION GROUP

First Meeting (ANSIG/1)
(Cairo, Egypt, 10 – 12 February 2015)

Agenda Item 4: Performance Framework for Regional Air Navigation Implementation

IMPLEMENTATION OF B0-AMET

(Presented by the Secretariat)

SUMMARY

This paper presents the status of implementation of the B0-AMET elements in the MID Region and seeks ways and means to expedite the implementation in order to meet the agreed performance targets.

Action by the meeting is at paragraph 3.

REFERENCES

- MET SG/5 Report
- MID Region Air Navigation Strategy
- MSG/4 Report

1. INTRODUCTION

1.1 MID Region Air Navigation Strategy was endorsed by the Fourth meeting of the MIDANPIRG Steering Group (MSG/4, Cairo, Egypt, 24-26 November 2014) as the framework identifying the regional air navigation priorities, performance indicators and targets. The Strategy includes Tables for all twelve priority 1 ASBU Modules along with their associated elements, applicability, performance Indicators, supporting Metrics and performance Targets.

2. DISCUSSION

2.1 B0-AMET (Meteorological information supporting enhanced operational efficiency and safety) as a priority 1 Module contains global, regional and local meteorological information. This information includes: a) forecasts provided by world area forecast centres (WAFS), volcanic ash advisory centres (VAAC) and tropical cyclone advisory centres (TCAC); b) aerodrome warnings to give concise information of meteorological conditions that could adversely affect all aircraft at an aerodrome including wind shear; and c) SIGMETs to provide information on occurrence or expected occurrence of specific en-route weather phenomena which may affect the safety of aircraft operations and other operational meteorological (OPMET) information, including METAR/SPECI and TAF, to provide routine and special observations and forecasts of meteorological conditions occurring or expected to occur at the aerodrome. This module includes elements which should be viewed as a subset of all available meteorological information that can be used to support enhanced operational efficiency and safety.

2.2 For the purpose of performance monitoring and reporting, two (2) elements have been included in the MID Region Air Navigation Strategy: *SADIS 2G and/or Secure SADIS FTP, and QMS*. Performance Indicators/Supporting Metrics, Targets and status of implementation are detailed in **Appendix A**.

Implementation reporting/monitoring

2.3 MIDANPIRG MET Sub-Group is the main Regional monitoring body for the collection of data related to the B0-AMET implementation in the MID Region.

2.4 At the national level, MET Focal Points are responsible for following-up the B0-AMET implementation issues and forwarding necessary data on the implementation of B0-AMET to the ICAO MID Regional Office, as and when required.

Data collection mechanism

2.5 Detailed information on the monitoring of B0-AMET is being included in Volume III of the MID eANP, including necessary supporting enablers (i.e. tables, databases, etc.), in order to be used as planning tools for the measurement of the air navigation systems performance. Concerned MID eANP Tables related to the status of implementation of the different B0-AMET elements are at **Appendix B**.

Implementation challenges

2.6 The meeting may wish to note that challenges related to the implementation of SADIS 2G or Secure SADIS FTP are minimal. Cost associated with this service is cost recoverable. Furthermore, guidance and contact information are readily available on the SADISOPSG website at <http://www.icao.int/safety/meteorology/sadisopsg/Documents/Forms/AllItems.aspx>.

2.7 With reference to the implementation of QMS for MET, implementation challenges may include human resource constraints and the need for QMS to be placed as a priority by the responsible institution.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and update the status of implementation of the different B0-AMET elements;
- b) identify the difficulties faced in the implementation of B0- AMET elements; and
- c) recommend measures to expedite the implementation process and meet the agreed performance targets.

APPENDIX A

B0-AMET IMPLEMENTATION ELEMENTS

<i>B0 – AMET: Meteorological information supporting enhanced operational efficiency and safety</i>					
Elements	Applicability	Performance Indicators/Supporting Metrics	Targets	Status	Remarks
1- SADIS 2G and Secure SADIS FTP	<i>All States</i>	Indicator: % of States that have implemented SADIS 2G satellite broadcast or Secure SADIS FTP service Supporting Metric: Number of States that have implemented SADIS 2G satellite broadcast or Secure SADIS FTP service	90% by Dec. 2015 100% by Dec. 2017	87% (13 States)	Data Collection: MID eANP Table B0-AMET 3-1
2-QMS	<i>All States</i>	Indicator: % of States that have implemented QMS for MET Supporting Metric: Number of States that have implemented QMS for MET	60% by Dec. 2015 80% by Dec. 2017	53% (8 States)	Data Collection: MID eANP Table B0-AMET 3-4

APPENDIX B

Table B0-AMET 3-1

SADIS 2G and Secure SADIS FTP

EXPLANATION OF THE TABLE

Column:

- 1 Name of the State
 2, 3 Status of implementation of SADIS 2G and/or Secure SADIS FTP, where:

Y – Yes, Implemented
 N – No, not implemented

State	Implementation	
	SADIS 2G	Secure SADIS FTP
1	2	3
BAHRAIN	Y	Y
EGYPT	Y	Y
IRAN (ISLAMIC REPUBLIC OF)	Y	N
IRAQ	Y	Y
JORDAN	N	Y
KUWAIT	Y	Y
LEBANON	N	N
LIBYA	Y	Y
OMAN	Y	Y
QATAR	Y	N
SAUDI ARABIA	Y	Y
SUDAN	N	N
SYRIAN ARAB REPUBLIC	Y	N
UNITED ARAB EMIRATES	Y	Y
YEMEN	Y	N

Table B0-AMET 3-4
Quality Management System

EXPLANATION OF THE TABLE

Column:

1 Name of the State

2,3,4,5 Status of implementation of Quality Management System of meteorological information
– QMS: not started/ planning, ongoing/ partially implemented, Implemented/ISO 9001
Certified, Date of Certification.

6 Action Plan

7 Remarks

State	Not started/ planning	Ongoing/ partially implemented	Implemented/ ISO 9001 Certified		Action Plan	Remarks
			Status	Date of Certification		
1	2	3	4	5	6	7
BAHARAIN			√	2008		
EGYPT			√	23 May 2012		
IRAN, ISLAMIC REPUBLIC OF		√			No Action Plan submitted by State	
IRAQ	√				No Action Plan submitted by State	
JORDAN			√	2 Apr 2014		
KUWAIT			√	23 Aug 2013		
LEBANON	√				No Action Plan submitted by State	
LIBYA	√				No Action Plan submitted by State	
OMAN		√			TBD	
QATAR			√	Dec 2011		
SAUDI ARABIA			√	Aug 2014		
SUDAN			√	5 June 2014		
SYRIAN ARAB REPUBLIC	√				No Action Plan submitted by State	
UNITED ARAB EMIRATES			√	19 Dec 2012		
YEMEN	√				No Action Plan submitted by State	

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