International Civil Aviation Organization

MIDANPIRG Steering Group

Fifth Meeting (MSG/5)
(Cairo, Egypt, 18 - 20 April 2016)

Agenda Item 5: **MID Region Air Navigation Planning**

MET PLANNING MATTERS

(Presented by the Secretariat)

SUMMARY
This paper presents the MET planning matters through the review of the outcome of the MET SG/6 meeting for consideration of and/or endorsement by MSG. Action by the meeting is at paragraph 3.
REFERENCES
− MET SG/6 Report

1. **INTRODUCTION**

1.1   The MET SG/6 meeting was held in Cairo, Egypt from 1 to 3 March 2016.

1.2   The meeting was attended by a total of fourteen (14) participants from five (5) States (Egypt, Kuwait, Saudi Arabia, Sudan and United Arab Emirates).

1.3   The meeting developed four (4) Draft Conclusions and one (1) Draft Decision.

2. **DISCUSSION**

MET Part of the MID eANP

2.1   The meeting may wish to note that the MET SG/6 meeting reviewed the MET Part of the MID electronic Air Navigation Plan (MID eANP). Egypt, Kuwait, Saudi Arabia and Sudan confirmed that the current provisions related to the issuance of half-hourly METAR in paragraph 2.2 of the MET Part of Volume II were not appropriate. Specifically, the requirement to issue half-hourly METAR at RS and AS designated aerodromes in the MID Region was not suitable. Kuwait determined that issuing METAR every hour was sufficient since weather conditions did not change frequently enough. As a result, the half-hourly issuance was recently replaced with the hourly issuance of METAR without any negative impact to operations. Saudi Arabia noted that their operators requested METAR to be issued every 30 minutes during the winter season when the weather changes frequently.

2.2   The meeting agreed that criteria such as number of operations at an aerodrome, frequency of weather change and use of METAR in VOLMET be considered when requiring an aerodrome to provide METAR every 30 minutes.

2.3   As follow-up action to the MET SG/6 Draft Conclusion 6/4, the ICAO MID Regional Office issued State letter Ref: ME 3/2.3 – 16/075 dated 21 March 2016 requesting States to provide inputs related to the criteria used for determining which AOP aerodromes should issue half-hourly METAR.

2.4   Based on the above, the meeting may wish to agree on the following MSG Conclusion emanating from the MET SG/6 meeting (Draft Conclusion 6/4 with minor changes):

Why	Update to the eANP to reflect requirement needs
What	Determine AOP aerodromes required half-hourly METAR
Who	States
When	30 June 2016

DRAFT MSG CONCLUSION 5/XX: MID REGIONAL REQUIREMENTS FOR HALF-HOURLY METAR

That, States provide the ICAO MID Regional Office with proposed changes to the MET Part of Volume II related to the criteria used for determining which AOP aerodromes should issue half-hourly METAR, by 30 June 2016.

2.5   The meeting may also wish to note that the MET SG/6 meeting agreed with the proposed inclusion of measuring the implementation of SIGMET in Volume III B0-AMET as provided at **Appendix A**.

2.6   Based on the above, the meeting may wish to agree on the following Draft Conclusion emanating from the MET SG/6 meeting (Draft Conclusion 6/5):

Why	To update the MID eANP Vol III B0-AMET, including a new entry related to the monitoring of SIGMET implementation
What	Proposed amendments to the MID eANP VOL III – B0-AMET
Who	MSG on behalf of MIDANPIRG
When	April 2016

DRAFT MSG CONCLUSION 5/XX: MID eANP VOLUME III – B0-AMET

That, the MID eANP Volume III – B0-AMET be amended to reflect the changes at Appendix A.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to endorse, as appropriate, the proposed Draft MSG Conclusions.

B0 – AMET: Meteorological information supporting enhanced operational efficiency and safety

Description and purpose

Global, regional and local meteorological information:
a) forecasts provided by world area forecast centres (WAFC), 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.

Main performance impact:

KPA- 01 – Access and Equity	KPA-02 – Capacity	KPA-04 – Efficiency	KPA-05 – Environment	KPA-10 – Safety
N	Y	Y	Y	Y

Applicability consideration:
Applicable to traffic flow planning, and to all aircraft operations in all domains and flight phases, regardless of level of aircraft equipage.

B0 – AMET: Meteorological information supporting enhanced operational efficiency and safety			
Elements	*Applicability*	*Performance Indicators/Supporting Metrics*	*Targets*
SADIS 2G and Secure SADIS FTP	*All States*	Indicator: % of States having implemented SADIS 2G satellite broadcast or Secure SADIS FTP service Supporting metric: number of States having implemented SADIS 2G satellite broadcast or Secure SADIS FTP service	90% by Dec. 2015 100% by Dec. 2017
QMS	*All States*	Indicator: % of States having implemented QMS for MET Supporting metric: number of States having implemented QMS for MET	60% by Dec. 2015 80% by Dec. 2017
SIGMET	*All MWOs in MID Region*	Indicator: % of FIRs in which SIGMET is implemented Supporting metric: number of FIRs SIGMET is implemented	90% by Dec. 2016 100% by Dec. 2018

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	N
IRAQ	Y	Y
JORDAN	N	Y
KUWAIT	Y	Y
LEBANON	N	N
LIBYA	Y	Y
OMAN	Y	Y
QATAR	Y	~~N~~ Y
SAUDI ARABIA	Y	Y
SUDAN	Y	Y
SYRIAN ARAB REPUBLIC	~~Y~~ N	N
UNITED ARAB EMIRATES	Y	Y
YEMEN	~~Y~~	N Y

Table B0-AMET 3-2

Volcanic Ash Advisory Centers

EXPLANATION OF THE TABLE

Column
1   Name of the State responsible for the provision of a volcanic ash advisory centre (VAAC)
2   Name of the VAAC
    Note: The name is extracted from the ICAO Location Indicators (Doc 7910).
3   ICAO location indicator of the VAAC
4   Status of implementation of volcanic ash advisory information, where:
        FC – Fully compliant
        PC – Partially compliant
        NC – Not compliant
5   Status of implementation of volcanic ash advisory information in graphical format, where:
        FC – Fully compliant
        PC – Partially compliant
        NC – Not compliant

State	Volcanic Ash Advisory Centre (VAAC)	ICAO Location Indicator	Status of Implementation	
			VAA	VAG
1	2	3	4	5
FRANCE	Toulouse	LFPW	FC	FC

Table B0-AMET 3-3

Tropical Cyclone Advisory Centers

EXPLANATION OF THE TABLE

Column

1   Name of the State responsible for the provision of a tropical cyclone advisory centre (TCAC)
2   Name of the TCAC
    Note: The name is extracted from the ICAO Location Indicators (Doc 7910).
3   ICAO location indicator of the TCAC
4   Status of implementation of tropical cyclone advisory information, where:
        FC – Fully compliant
        PC – Partially compliant
        NC – Not compliant
5   Status of implementation of tropical cyclone advisory information in graphical format, where:
        FC – Fully compliant
        PC – Partially compliant
        NC – Not compliant

State	Tropical Cyclone Advisory Centre (TCAC)	ICAO Location Indicator	Status of Implementation	
			TCA	TCG
1	2	3	4	5
INDIA	New Delhi	VIDP	FC	FC

Table B0-AMET 3-4

Quality Management System

EXPLANATION OF THE TABLE

Column

1	Name of the State
2, 3, 4,	Status of implementation of Quality Management System of meteorological information –
5	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		√	√	Oct 2015	No Action Plan	
IRAQ	√				No Action Plan	
JORDAN			√	2 Apr 2014		
KUWAIT			√	23 Aug 2013		
LEBANON	√				No Action Plan	
LIBYA	√				No Action Plan	
OMAN		√			TBD	
QATAR			√	Dec 2011		
SAUDI ARABIA			√	Aug 2014		
SUDAN			√	5 June 2014		
SYRIAN ARAB REPUBLIC	√				No Action Plan	
UNITED ARAB EMIRATES			√	19 Dec 2012		
YEMEN	√				No Action Plan	

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