



INTERNATIONAL CIVIL AVIATION ORGANISATION
AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)

METEOROLOGY SUB-GROUP TWELFTH MEETING (MET/SG/12)

(Dakar, Senegal, 1 – 5 December 2014)

Item 6 of the Agenda: Linking the remaining tasks of MET / SG and B0 Modules of Aviation System Blocks Upgrade (ASBU) and the regional performance objectives for aeronautical meteorology

IMPLEMENTATION STATUS OF MODULE B0-105 AMET IN ASECNA MEMBER STATES
(Submitted by ASECNA)

SUMMARY

This paper gives an overview on the current status of implementation of module B0 AMET of the the aviation system blocks upgrades (ASBU) methodology, the current challenges to be addressed and proposed actions for implementation in line with expectations of the related requirements.

The paper is based on the Air Navigation Report Form (ANRF) of APIRG 19 (p.28 AFI implementation Action Plan), supplemented by the AMBEX element.

The Action by the Meeting is at paragraph 3.

1. Introduction

1.1 The meeting may recall that Module B0 105 AMET ASBU is intended to provide to international aviation (between 2013 and 2018) meteorological information supporting more efficiency and more operational security. The Module B0 105 AMET disposes six (06) elements whose implementation is mandatory for all States as they fall under priority 1 of the AFI air navigation system implementation Action Plan. These are:

- Item 1: The products of the World Area Forecast System (WAFS);
- Element 2: Terminal area Warnings;
- Element 3: SIGMET;
- Item 4: METAR/SPECI and TAF;
- Item 5: QMS/MET
- Item 6: AMBEX (AFI MET BULLETINS EXCHANGE HANBOOK).

1.2 Evolution of module 105 AMET until 2028

Block 0, 2013-2018: B0-105 AMET (provide international aviation weather information supporting more efficiency and more operational security)

Block 1, 2018-2023: B1-105 AMET (Best operating decisions using the integrated weather information, planning and short-term services)

Block 2, 2023-2028: Continuing B1-105 AMET (Best operating decisions using the integrated weather information, planning and short-term services)

Block 3, 2028 and beyond: B3-105 AMET, B1-105 AMET (Best operating decisions using the integrated weather information, immediate services and short-term)

2. Discussion: State of implementation or performance of six (6) items of B0-105 AMET in ASECNA:

2.1 The table below presents the performance analysis of six (6) items B0-105 AMET module ASECNA:

N°	Title	State of implementation by 31/07/2014	Actions to be implemented	deadline
1	Use of WAFS products including SADIS 2G / Secured FTP	Mise en œuvre: - SADIS FTP: 100% - SADIS 2G : 100% Interpretation of the new WAFS products in particular icing and turbulence is expected to be improved	Further training on the interpretation of thunderstorms forecast, icing and turbulence	31/03/2015
	Coordination with the VAAC of Toulouse	Ongoing Actions	Coordination Agreement with the volcano observatories: 100% Implementation of coordination agreements: 75%	30/06/2015
	Coordination with the TCAC of St Denis Reunion	Ongoing Actions	Implement actions to formalize effective coordination between TCAC of St Denis and the MET Service in Madagascar	31/03/2015
2	Aerodrome Warning (AD WRNG)	Implementation in the AMC: 100%	Need of specific equipment in some airports	Acquisition scheduled for 2014-2015
	Wind shear warning (WS WRNG)	Implementation based on the Operational Guidelines Climatological studies of the current WS at some ASECNA airports	Need specific equipment in some airports	Acquisition forecaster training planned in 2015
3	SIGMET	Effective implementation	Need special reports of aircraft (ARS): Awareness of pilots and ATC	At every favorable opportunity
4	METAR	METAR Implementation: 100% (transmission time: less than 5 minutes after the time of observation)	Renewal of certain equipment to improve the quality of observations	2014-2015
	SPECI	Implementation: 100% (transmission time: a time of significant change)		

	TAF	Implementation: 100% (Transmission Time: Less than an hour before the validity time)	Acquisition of a new support system for weather forecast	
5	QMS MET	Effective implementation Successful certification audit	Strengthening monitoring and proactive management of weather events	Realized
6	AMBEX	Implementation: 100% (aerodromes Inserting Non-PDO in AMBEX exchanges)	Representation of OPMET (METAR / SPECI, TAF and SIGMET) in XML format RODB Dakar 30/06/2015)	30/06/2015

2.2 Following the review of the analysis and the status of implementation of the module B0- AMET of ASBU in ASECNA, the meeting could formulate the following draft conclusion:

Draft Conclusion 12/XX :

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MODULE B0-105 AMET IN ASECNA
MEMBER STATES**

That the meeting:

- a) congratulates ASECNA for ongoing actions in the implementation of the ASBU module B0- AMET; and
- b) encourages the Agency in its efforts in implementing AFI air navigation system implementation Action Plan.

1. Action by the meeting:

The meeting is invited to:

- a) take note of the information provided in this document; and
- b) examine the projects of conclusion submitted for consideration by the Subgroup.