

TWENTY-SIXTH MEETING OF THE AFRICAN - INDIAN OCEAN REGIONAL PLANNING AND IMPLEMENTATION GROUP (APIRG26)



Cotonou, Benin, 6 – 10 November 2023



WP/03B3

Status of implementation of AMET elements

Agenda item 3: Implementation of air navigation objectives, targets and indicators, including the priorities set out in the regional air navigation plan

Presented by ASECNA

INTRODUCTION

The AFI Region has selected 18 modules from ASBU Block 0 for implementation and agreed that APIRG organizations monitor and support the implementation of these modules

This WP aims to present the State of implementation of ASECNA in these 17 B0 Member States identified as essential (E) with priority 1a in the AFI Region .

AMET-B0 Global, Regional and Local Weather Information

**AMET – B0/1:
Weather
Observation
Products**

**AMET – B0/2:
Weather Forecast
and Warning
Products**

**AMET – B0/3:
Climate and
historical
meteorological
products**

**AMET – B0/4:
Exchange of
meteorological
data**

AMET-B0/1: Weather observation products

ASBU Module	Element	Facilities/products/services required	Implementation Status	Evidence of Implementation References
AMET-B0	AMET-B0/1 Weather Observing Products	AWOS	Implementation	<ul style="list-style-type: none"> SAOMA stations installed in aerodrome operational centers others are planned in from 2024 03 AVIMET stations
		Local weather observation messages	Implementation	<ul style="list-style-type: none"> The MET REPORTS and SPECIAL are written and sent regularly. Validated local message development procedures
		Aerodrome weather messages	Implementation	<ul style="list-style-type: none"> The METAR and SPECI are written and transmitted Validated METAR message development procedures
		Lightning Information	Implementation	Directive and various operating procedures for the Earth Networks System
		Ground weather radar information	Planned	
		MET satellite imagery	Implementation	Signing of a license to access METEOSAT data between ASECNA and EUMETSAT
		In-flight aircraft report (AIREP, AMDAR)	Implementation	
		Notification of Volcanological Observatory for Aviation (VONA)	Implementation	Letter of Agreement between ASECNA (Cameroon and Comoros) with the bodies responsible for volcanic observatories
		Wind Shear Alert	Implementation	Wind shear detection systems are installed in ten (10) aerodrome weather centres.

AMET-B0/02: Weather forecast and warning products:

ASBU Module	Element	Facilities/products/services required	Implementation Status	Evidence of Implementation References
AMET-B0	AMET-B0/2 Weather Forecast and Warning Products	WAFS	Implementation	<ul style="list-style-type: none"> SADIS FTP. WIFS is used as back up
		SIGWX	Implementation	<ul style="list-style-type: none"> SADIS FTP TEMSI low altitude developed daily by the center
		TAF	Implementation	<ul style="list-style-type: none"> Aviation Forecast Development Directive
		Trend Forecast (TREND)	Implementation	
		Takeoff forecast	Implementation	
		Volcanic Ash Advisory (VAA)	NA	<ul style="list-style-type: none"> Effective coordination between the ASECNA CVMs and the Toulouse VAAC
		Tropical Cyclone Advisory (TCA)	Implementation	<ul style="list-style-type: none"> Cooperation agreement with the TCCA of St Denis for better coordination in the monitoring of tropical cyclones
		SIGMET	Implementation	<ul style="list-style-type: none"> SIGMET Development Procedure
		AD WRNG	Implementation	<ul style="list-style-type: none"> Warning Messages Broadcast Procedure
		Wind shear warning	Implementation	

AMET-B0/03: Climate and historical meteorological products

ASBU Module	Element	Facilities/products/services required	Implementation Status	Evidence of Implementation References
AMET-B0	AMET-B0/3 climatological products and historical meteorological products	Aerodrome Climate Tables and Aerodrome Climate Summaries	Ongoing	Aerodrome climate tables made and displayed in the single window lobby
		Historical weather observations, forecasts, advisories and warnings in support of incident and accident investigations.	Implementation	

AMET-B0/04: Exchange of meteorological data

ASBU Module	Element	Facilities/products/services required	Implementation Status	Date and References of Evidence of Implementation
AMET-B0	AMET-B0/4 Rating of weather information	TAC format	Implementation	
		Data at grid points	NA	Grid point data received from London WAFC via SADIS FTP
		BUFR Code	Implementation	
		IWXXM (en XML/GML)	Ongoing	

SYNTHESE

MAJOR PROGRESS BY THE AGENCY FOR THE IMPLEMENTATION OF AMET B0 ELEMENTS

ALL REQUIREMENTS, SERVICES AND FACILITIES ARE PROVIDED FOR IMPLEMENTATION



FOLLOW-UP TO THE MEETING

The meeting is invited to:

Review the ongoing information in this working note

Make comments and/or observations.

Congratulate ICAO for their support to States

Thank you for your attention

