



ICAO

APIRG/26 – WP03B3

ORGANISATION DE L'AVIATION CIVILE INTERNATIONALE

Twenty Sixth Meeting of the Africa-Indian Ocean Planning and Implementation Regional Group (APIRG/26)

7 - 8 November 2023

Status of the implementation of the AMET B0 module at ASECNA

(Presented by ASECNA)

SUMMARY

This information paper presents the state of implementation of the elements of the ASBU AMET B0 module by ASECNA in its Member States.
Action by the meeting is in paragraph 3.

This Briefing note relates to the following ICAO Strategic Objectives: A, B, D and E.
KPIS and ASBU Modules concerned: AMET B0 and concerned KPIs

1. INTRODUCTION

- 1.1. 1.1 Based on operational requirements and taking into account the associated benefits, the AFI Region has selected 18 ASBU Block 0 modules for implementation and has agreed that APIRG organizations will monitor and support the implementation of these modules. A minimum set of performance indicators is required to monitor the implementation of these modules (if identified as a priority for implementation at the regional or sub-regional level).
- 1.2. As part of the prioritization and monitoring of the implementation of ASBU modules at the level of the AFI Region, the AMET B0 module is identified as essential (E) with priority 1. (Cf. Table 1 ASBU priority in the AFI Region).
- 1.3. The level of implementation of the elements of this module by ASECNA in its 17 Member States is documented in this note with the details given in Table 1 attached.

2. DISCUSSION

2.1. AMET – B0/1: Meteorological observations products

- **AWOS:** 25 SAOMA stations installed in airfield operations centers. The remaining sites are included in the current Services and Equipment Plan. information (including real-time exchange of wind and RVR data)
- **Local reports (MET REPORT / SPECIAL) and Aerodrome reports (METAR / SPECI):** Fully implemented in the required formats in the aerodromes where these products are required.
- **Lightning information:** Information provided in all centers (100% on all ASECNA sites)

- **Meteorological satellite imagery:** METEOSAT data access license signed between ASECNA and EUMETSAT
- **Volcano Observatory Notice for Aviation (VONA):** VO implemented at Douala (Cameroon) and Moroni (Comoros). Lack of means of communication with the associated AMOs.
- **Wind shear alerts:** Wind shear detection equipment is installed in ten (10) Aerodrome Meteorological Centers. Six more locations planned from 2024 onwards

2.2. AMET – B0/2: Meteorological forecast and warning products

- **Implementation of WAFS, IAVW and TC**
 - 100% of the 17 States of ASECNA have implemented the Secure SADIS FTP.
 - Full implementation of VA SIGMETs by the 5 MWO of ASECNA through effective and efficient coordination of MWOs with Toulouse VAAC and associated Aerodrome Meteorological Offices (AMO).
 - Full implementation of TC SIGMETs by the MWO of Antananarivo through effective coordination with the TCAC of La Réunion and associated Aerodrome Meteorological Offices (AMO).
- **AD WRND:** Fully implemented at all aerodrome weather centers where this service is required.
- **WS WRNG:** Issued by all major airports whenever a WS is reported by an aircraft. Issued by all major airports whenever a WS is reported by an aircraft. Operational WS detection systems are implemented at ten (10) CMA airports. New WS location systems are planned for 7 other airports
- **Aerodrome Forecast (TAF) and Trend Forecast (TREND):** 100% on all ASECNA locations

2.3 AMET – B0/3: Climatological and historical meteorological products

- **Aerodrome climatological tables:** Generated from SAOMA
- **Aerodrome climatological summaries:** Generated from SAOMA

2.4 AMET – B0/4: Dissemination of meteorological products

- VOLMET HF: Operational in Antananarivo - Installed in Brazzaville but not yet operational.
- D-ATIS: Operational at DKR and NKC. Scheduled for BZV, ABJ and NIM for the first half of 2021.
- AMBEX: Fully implemented in the 17 States of ASECNA
- QMS: MET QMS certified ISO 9001: 2015 - Customer satisfaction level established at 95% (Assessment every two years since 2013).

3. ACTION BY THE MEETING

3.1. The meeting is invited to:

- a) Take note of the information contained in this information paper; and

b) Make the appropriate comments.

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Table I: Status of B0-AMET implementation in the ASECNA zone

B0-AMET						Remarks
Items	Aplicability	Implemented	Not Implemented	In progress		
AMET – B0/1 : Meteorological observations products						
METAR/SPECI		All CVMs	X			
IAWV	VONA	Cameroun	X			Letter of agreement with the Institut de Recherches Géologiques et Minières, which is in charge of the Volcano Observatory.
		Comores	X			Letter of agreement with L'observatoire Volcanique de Karthala
	VAAC	Toulouse				Effective coordination between the CVMs of ASECNA and the VAAC of Toulouse
	MWOs	All CVMs apply SIGMET WA procedures	X			
SAOMA		All the states	X			
Lightning information		All the states	X			System for detecting rainstorms and lightning
Wind shear alerts		All the states	X			
Imagerie satellitaire		All the states	X			
AMET – B0/2 : Meteorological forecast and warning products						
WAFS	SADIS FTP	All the states	X			
	WIFS	All the states	X			
TC Watch		Madagascar	X			Cooperation agreement with the St Denis TCCA for better coordination in the monitoring of tropical cyclones
SIGMET		All CVMs	X			

TAF	All the states	X			
TREND	All the states	X			
Aerodrome Warnings	All the states	X			
Wind Shear Warnings	All the states	X			
AMET – B0/3 : Climatological and historical meteorological products					
Tableaux climatologiques des aérodromes	All the states	X			
Résumés climatologiques des aérodromes	All the states	X			
AMET – B0/4 : Dissemination of meteorological products					
VOLMET HF		X			
D-ATIS		X			
AMBEX		X			
IWXXM				X	In progress
QMS/MET	All the states	X			ISO 9001 V 2015 certification for all ASECNA countries