



INTERNATIONAL CIVIL AVIATION ORGANIZATION

Fourth Meeting of the APIRG Infrastructure and Information Management Sub-Group (IIM/SG4)

(Virtual, 31<sup>st</sup> August - 3 September 2021)

Agenda Item 5: *Implementation of ASBU Modules*

**WP5.4B– STATUS OF THE IMPLEMENTATION OF ASBU AMET-B0  
MODULE IN THE AFI REGION**

(Presented by the Secretariat)

SUMMARY
This paper presents a status of the of the ASBU AMET-B0 Modules in the AFI Region Action by the meeting is in <b>paragraph 3</b>
<b>REFERENCE(S):</b> <ul style="list-style-type: none"><li>▪ AFI eANP Volume III</li><li>▪ Final Report of APURG/19 Meeting</li><li>▪ Final Report of APIRG/20 Meeting</li><li>▪ APIRG23 IMSG3 IP05_asecna_B0-AMET_en</li><li>▪ Survey Reports on the Status of B0-AMET in AFI Region</li></ul>
<b>Related ICAO Strategic Objective (s):</b> <ul style="list-style-type: none"><li>▪ <b>A:</b> Aviation Safety and <b>B:</b> Capacity &amp; Efficiency</li></ul>
<b>Related ASBU KPIs &amp; B0 Modules:</b> all KPIs applicable to the MET domain

**1. INTRODUCTION**

- 1.1. The APIRG/19 Meeting, held in Dakar in October 2013, discussed the issue of monitoring the implementation of ICAO Aviation System Block Upgrade (ASBU) modules. In this regard, it was recalled that in many cases, elements of the ASBU Block 0 modules were already being implemented before the ASBU concept.
- 1.2. The Meeting formulated the Conclusion 20/05 urging States to provide information on the status of implementation of ASBU modules using the Air Navigation Reporting Forms (ANRFs) or other reporting tools as may be provided, at least twice a year. The said Conclusion requested the Secretariat should coordinate the development of annual air navigation reports

reflecting the status of implementation of ASBU modules, to be presented to the APIRG through its Project Coordination Committee (APCC).

## 2. DISCUSSIONS

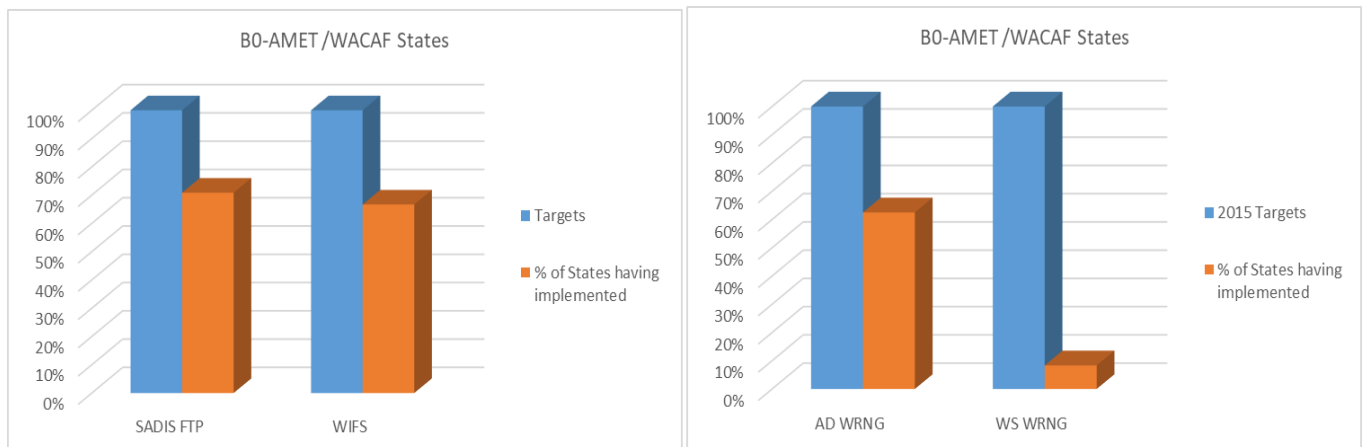
2.1. APIRG/19 Meeting identified the Module *AMET-B0 Meteorological Information Supporting Enhanced Operational Efficiency and Safety* as an essential (E) module with priority 1 in the AFI Region, and as such, stands for immediate implementation.

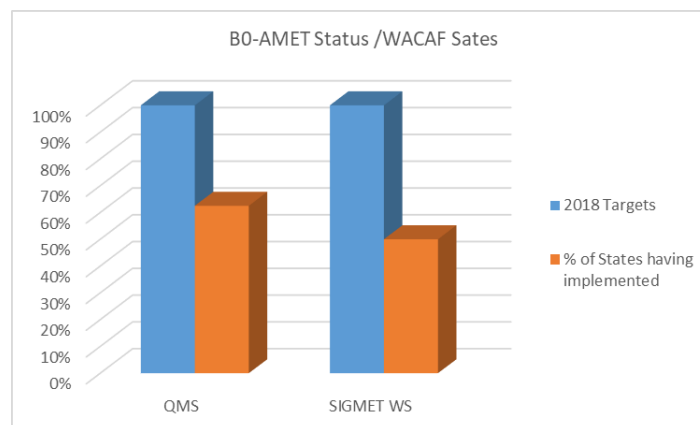
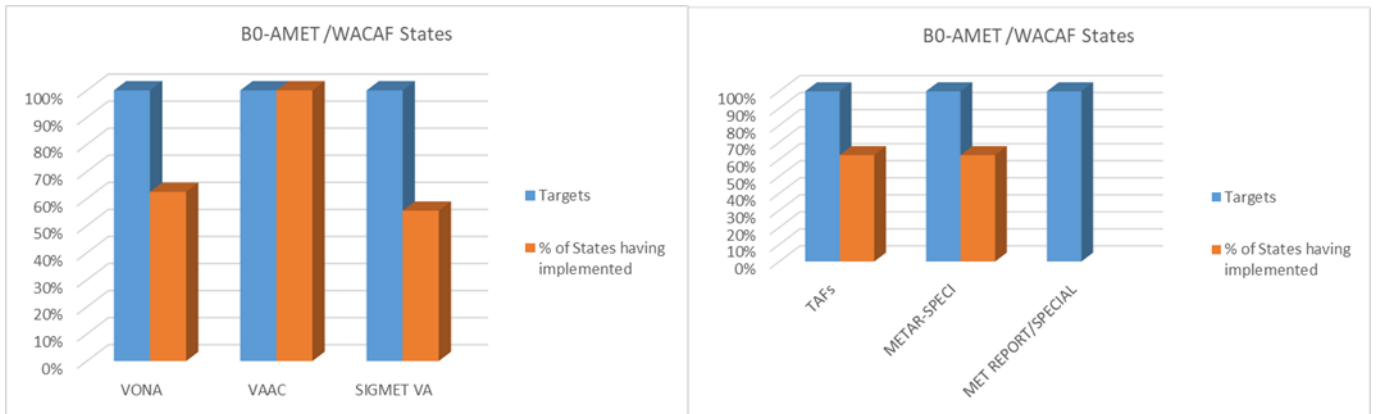
2.2. The AMET-B0 module aims at implementing the following services to supports flexible airspace management, improved situational awareness and collaborative decision-making, and dynamically-optimized flight trajectory planning:

- a) WAFS services (SADIS FTP /WIFS)
- b) IAVW
- c) Tropical cyclone watch
- d) Aerodrome warnings
- e) Wind shear warnings and alerts
- f) SIGMET
- g) QMS/MET
- h) OPMET Information (METAR, SPECI, TAF,)

2.3. The implementation targets, the performance indicators /supporting metrics and the challenges are provided in the Appendix 3.0A to APIRG/19 final report.

2.4. The status of the implementation of AMET-B0 module was provides by some ANSPs at the Third Meeting of the APIRG IIM/SG held virtually in 2020. Some data on the regarding the status of AMET-B0 in AFI Region have been collected through ongoing surveys undertaken by ESAF and WACAF Offices in 2021. The following graphics present a view of the status of AMET-B0 module for WACAF States.





2.5. The low level of the implementation of some elements of the AMET-B0 module may not be only because the said element is not implemented, but due to the fact that we don't have no data/information on its implementation by the States

### 3. ACTIONS BY THE MEETING

3.1. The meeting is invited to:

- a) Take note of the information contained in this paper;
- b) Consider the Conclusion 20/05 of APIRG/20 Meeting calling States /Organization for monitoring and reporting on the implementation of ASBU Modules applicable in their region and share these reports with the Secretariat.

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