



**Twenty-Third Meeting of the AFI Planning and Implementation Regional Group
(APIRG/23)
(Virtual, 24 - 26 November 2020)**

Agenda Item 2: Performance Framework for Regional Air Navigation Planning and Implementation

2.1. Outcome of the Third meeting of the APIRG Airspace and Aerodrome Operations Sub-Group (AAO/SG3)

IMPLEMENTATION OF AVIATION SYSTEM BLOCK UPGRADES

(Presented by CANSO Africa)

SUMMARY	
<p>This working paper presents progress made by CANSO in partnership with ICAO and member States in the implementation of the Aviation System Block Upgrades (ASBU) modules. The paper also highlights the outcomes of the ASBU webinar series conducted between 10 September and 7 October 2020.</p>	
<p>Action by the Meeting is outlined under item 3 of this paper</p>	
REFERENCE(S):	<ol style="list-style-type: none"> 1. CANSO Guiding Framework for ANSP Management Systems 2. ICAO Doc 9750 – GANP 3. Abuja Safety Targets 2012 as amended in 2017 4. APIRG Reports
Related Strategic Objectives	<p>A – Aviation Safety B – Air Navigation Capacity and Efficiency. E –Environmental Protection</p>

1. INTRODUCTION

1.1 In line with ICAO recommendations, CANSO is committed to advancing ASBU implementation by addressing regional challenges and finding workable solutions through workshops.

1.2 This paper presents actions by CANSO members who have agreed to implement the ICAO ASBU model to minimize the impact on environment, improve safety and efficiency in the Air Traffic Management environment. It will also address benefits for both States/ANSPs and the ATM community through seamless operations.

2. DISCUSSION

2.1 CANSO members in Africa have identified ASBUs and PBN as some of their priority areas.

2.2 CANSO has been working with ICAO on ASBU implementation initiative since 2014, when an initial framework for implementation was laid out. While there has been progress

since, implementation has been slow and poses as a challenge for ANSPs and is a key concern in the context of rising air traffic both domestically and internationally.

2.3 In 2014 and 2015 CANSO in partnership with ICAO organised workshops on ASBU implementation in Mozambique and Nairobi respectively. In both these workshops the Remote Air Traffic Control Tower concept (UAV), Air Traffic Flow Management (ATFM), Aerodrome Collaborative Decision Making (A-CDM), Training on Air Navigation Services Technologies and finally on Flight Calibration were discussed.

2.4 To continue its work of ASBU implementation, on 24-25 April 2019, CANSO organized another workshop on the ASBU Status of implementation in collaboration with ICAO in Entebbe. The workshop was attended by 109 participants from nine ANSPs and eight industry organizations. The workshop explored the status of ASBU implementation and the challenges of its implementation. It also provided ANSPs with an improved understanding of the ASBU framework components, assisted participating States in completing the Air Navigation Reporting Forms (ANRF), and helped CAAs and ANSPs to determine the way forward for implementing and prioritizing ASBUs in National Plans.

2.5 To further support the ICAO ASBU initiative, CANSO has developed an ASBU 101 introduction booklet to help facilitate strategic planning initiatives in ATM. This booklet provides an overview of the processes that will guide decision makers' selection and implementation of the ASBU, provides an understanding of global aviation system harmonisation's vision, goals and challenges; it also clarifies the ASBUs objectives, capability threads and minimum path to achieve global interoperability. This will ensure global interoperability and to meeting individual ANSP's regional requirements.

2.6 On 10 September 2020 CANSO hosted **CANSO/ICAO Joint Workshop on Aviation System Block Upgrades (ASBU) Part 1**. The objective of the workshop was to learn more about ASBU Overview and dependencies, FRTO and ACAS.

2.7 On 23 September 2020, CANSO hosted a joint CANSO/ICAO webinar Aviation System Block Upgrades (ASBU) Part. 2. The objective of the workshop was to support and give guidance on ASBU implementation, including lessons learned and exclusive insight into the latest best practice.

2.8 On 07 October 2020 CANSO conducted the final session of the joint CANSO / ICAO Joint Workshop on Aviation System Block Upgrades (ASBU) Part. 3 which covered the ASBU Overview, Dependencies, Free routing and CCO/CDO- Best Practice Example and Design.

2.9 CANSO plans to further partner with ICAO in the implementation of the Aviation System Upgrade.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the information in the paper and adopt the progress made and the way forward.