



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP  
NINETEENTH MEETING (APIRG/19)  
Dakar, Senegal (28 – 31 October 2013)**

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**Agenda Item 3: Performance Framework for Regional Air Navigation Planning and  
Implementation**

**DEVELOPMENT OF AN AFI AIR NAVIGATION SYSTEM IMPLEMENTATION ACTION  
PLAN ALIGNED WITH THE ICAO AVIATION SYSTEM BLOCK UPGRADE (ASBU)  
METHODOLOGY**

*(Presented by the Secretariat)*

<b>SUMMARY</b>	
<p>This working paper presents the draft AFI Regional Air Navigation System Implementation Action Plan aligned with the ICAO Aviation System Block Upgrade (ASBU) Methodology. This draft Action Plan was developed during the <i>ICAO Regional Workshop on the Aviation System Block Upgrades (ASBU) Framework: Planning, Implementation and Monitoring of air navigations systems, which was held in Nairobi, Kenya, from the 21 to 25 October 2013.</i></p>	
<p><b>Action:</b> The Meeting is invited to review and adopt the AFI Regional Air Navigation System Implementation Action Plan aligned with the ICAO Aviation System Block Upgrade (ASBU) Methodology, and formulate recommendations as appropriate to facilitate related implementation activities.</p>	
<p><b>References:</b></p> <ul style="list-style-type: none"><li>• ICAO Special Regional Air Navigation Meeting (2008) Report (Doc 9930)</li><li>• ICAO Twelfth Air Navigation Conference (AN-Conf/12) Report</li><li>• ICAO Global Air Navigation Plan (Doc 9750), 4<sup>th</sup> Edition</li></ul>	
<b>Strategic Objectives</b>	This working paper is related to Strategic Objectives A and C

## **1. INTRODUCTION**

1.1. The ICAO Twelfth Air Navigation Conference (AN-Conf/12) Recommendation 6/1 – *Regional performance framework – planning methodologies and tools*, requests – inter alia - that States and PIRGs:

- a) finalize the alignment of regional air navigation plans with the Fourth Edition of the *Global Air Navigation Plan* (Doc 9750, GANP) by May 2014;
- b) focus on implementing aviation system block upgrade Block 0 Modules according to their operational needs, recognizing that these modules are ready for deployment;
- c) use the eANPs as the primary tool to assist in the implementation of the agreed regional planning framework for air navigation services and facilities;
- d) involve regulatory and industry personnel during all stages of planning and implementation of aviation system block upgrade modules; and

- e) develop action plans to address the identified impediments to air traffic management modernization as part of aviation system block upgrade planning and implementation activities.

1.2. The Council of ICAO approved the Fourth Edition of the Global Air Navigation Plan (GANP, Doc 9750) on 29 May 2013, and particularly called on the Planning and Implementation Regional Groups (PIRGs) of the ICAO Regions to:

- a) develop regional action plans with priorities and targets;
- b) determine performance indicators/metrics to measure implementation progress and associated benefits; and
- c) identify implementation challenges.

1.3. The outcome of the Global Coordination Meeting of Planning and Implementation Regional Groups (PIRGs) and Regional Aviation Safety Groups (RASGs) which was held in March 2013 also requires every PIRG to develop a Regional Air Navigation Implementation Action Plan, based on the Aviation System Block Upgrades (ASBUs) by May 2014.

## 2. DISCUSSION

2.1. As a follow up to the above recommendations emanating from the Twelfth Air Navigation Conference, the ICAO Council and the Global PIRG/RASG Coordination Meeting, an initial draft AFI Regional Air Navigation System Implementation Action Plan was developed by the Secretariat and circulated to States for their review and comments.

2.2. In addition, in order to assist in the development of the AFI Regional Air Navigation System Implementation Action Plan, an ICAO Regional Workshop on ASBU Workshop took place in Nairobi, from **21 to 25 October 2013**. The workshop was attended by 88 delegates representing 23 Contracting States and 6 international organizations.

2.3. The Workshop reviewed the initial draft AFI Air Navigation System Implementation Action Plan prepared by the Secretariat, and made proposals for the priorities, targets and metrics/indicators to measure implementation progress and operational improvements for all the ASBU Block 0 Modules adopted for the region. 15 Air Navigation Reporting Forms (ANRFs) were developed for recommended modules, and 3 other ANRFs need to be completed for specific modules<sup>1</sup>.

2.4. The Workshop identified Block 0 modules<sup>2</sup> which are particularly related to the Safety Key Performance Area (KPA), the implementation of which needs to be coordinated and addressed through regional aviation safety mechanisms (RASG-AFI, AFI Plan) and other relevant safety initiatives for the AFI Region.

2.5. During the Workshop, participants developed 17 draft National and Sub-regional<sup>3</sup> Air Navigation System Implementation Action Plans aligned with the proposed AFI Regional Action Plan.

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<sup>1</sup> B0-ASEP, B0-OPFL and B0-WAKE.

<sup>2</sup> B0-APTA, B0-SURF, B0-AMET, B0-ACAS, B0-SNET

<sup>3</sup> 17 ASECNA Member States

2.6. The Workshop called upon the African Civil Aviation Commission (AFCAC), Regional Economic Organizations and Financial institutions, to provide their support and assist States the implementation of the AFI Regional Air Navigation System Implementation Action Plan.

2.7. In view of the above, the following draft conclusion is proposed:

**Draft Conclusion 19/XX – Adoption of AFI Regional Air Navigation System Implementation Plan aligned with the ICAO Aviation System Block Upgrade (ASBU)**

**That:**

- a) **AFI States adopt the Regional Air Navigation System Implementation Plan aligned with the 18 Block 0 Modules of the ICAO Aviation System Block Upgrade (ASBU) Methodology, as provided at Appendix to this working paper;**
- b) **The Secretariat to finalize the implementation targets set for the adopted ASBU Block 0 Modules, and ensure that these targets are aligned with existing regional programmes aimed at enhancing air navigation capacity and efficiency and aviation safety;**
- c) **The APIRG and the ICAO Regional Offices coordinate the implementation of the ASBU Block 0 Modules related to Safety Key Performance Area with regional aviation safety mechanisms (RASG-AFI, AFI Plan) and other relevant safety initiatives for the AFI Region; and**
- d) **the African Civil Aviation Commission (AFCAC), Regional Economic Organizations and Financial institutions to provide their support and assist States in the implementation of the AFI Regional Air Navigation System Implementation Action Plan.**

### **3. CONCLUSION**

3.1. The meeting is invited to:

- a) review the draft Regional Air Navigation System Implementation Plan aligned with the 18 Block 0 Modules of the ICAO Aviation System Block Upgrade (ASBU); and
- b) make recommendations as necessary to facilitate its effective implementation by the States.

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