International Civil Aviation Organization
Western and Central African Office

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP
(APIRG)**

**Fourteenth Meeting of the Air Traffic Management/Aeronautical Information
Management/Search and Rescue Sub-Group (ATM/AIM/SAR SG/14)**
(Dakar, Senegal, 11 to 14 May 2015)

**Agenda Item 6:   Review of the new Air Navigation Plan structure and the
development of draft material for endorsement by APIRG**

**REVIEW OF THE NEW AIR NAVIGATION PLAN STRUCTURE AND THE
DEVELOPMENT OF DRAFT MATERIAL FOR ENDORSEMENT BY APIRG**

(Presented by the Secretariat)

SUMMARY
This working paper presents the work done by the Secretariat in developing and populating Volumes I and II of the ATM and SAR part of the new AFI eANP using the template approved by ICAO Council.   Action by the meeting is at **paragraph 3.**
REFERENCES
APIRG/EO Report   AN-Conf/12 Report
This working paper is related to Strategic Objectives: **A, D & E**

1. INTRODUCTION

1.1   The International Civil Aviation Organization (ICAO) Council decided on 26 February 1997 through Council Decision 150/3 that the regional air navigation plans (ANPs) should be published in two volumes: a **Basic ANP** containing stable plan material and a Facilities and Services Implementation Document (**FASID**). The regional ANPs have been continuously amended as per regional air navigation requirements with approved amendments being recorded on hard copy.

1.2   Based on a review undertaken by ICAO, the Twelfth Air Navigation Conference (AN-Conf/12) convened in Montreal, Canada in November 2012, endorsed a proposal to align the areas of applicability of regional supplementary procedures (SUPPs) and regional air navigation plans (ANPs), in order to simplify the procedures for regional performance framework management for Planning and Implementation Regional Groups (PIRGs) and to support more efficient planning and implementation of the aviation system block upgrades

(ASBUs).

2. DISCUSSION

2.1   The meeting will recall that the AN-Conf/12 agreed to Recommendation 6/1 *Regional performance framework – planning methodologies and tools* regarding the alignment of regional air navigation plans with the fourth edition of the Global Air Navigation Plan (GANP) (Doc 9750). Recommendation 6/1 of the AN-Conf/12 is reflected below as follows:

RECOMMENDATION 6/1 - REGIONAL PERFORMANCE FRAMEWORK – PLANNING METHODOLOGIES AND TOOLS

That States and PIRGs:

a)   finalize the alignment of regional air navigation plans with the Fourth Edition of the Global Air Navigation Plan 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 electronic regional air navigation plans 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;

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;

That ICAO:

f)   considers how the continuous monitoring approach to safety oversight maps to the evaluation of Member States' safety oversight capabilities concerning aviation system block upgrades;

g)   review the current amendment process to the Regional Air Navigation Plans(ANPs) and recommend improvements to increase efficiencies related to the approval and maintenance of the data in the regional ANPs;

h)   develop guidance material, on the basis of best practices employed worldwide, for the regional/local deployment of new ATM technologies, required procedures, operational approvals and continue to support States in the implementation of the aviation system block upgrades;

i)   identify the issues, funding, training and resource requirements necessary to support a safety framework that would lay the foundation for successful implementation the aviation system block upgrades;

j)   develop, together with industry and stakeholders, an engagement

strategy to address the economic and institutional impediments to implementation of the aviation system block upgrades;

k) develop a mechanism for sharing of best practices for the aviation system block upgrade implementation; and

l) define a methodology to ensure interregional and global harmonization of air navigation services through ANRF reporting in an effective and timely manner, and consider the employment of interregional and multi-regional fora.

2.2   The Secretariat then established an Ad-hoc working group composed of a representative from each ICAO Regional Office and ICAO Headquarters, to make proposals for changes to the regional ANPs which included the development of a new structure, format and content.

2.3   The Working Group reviewed the limitations of the current regional ANPs and proposed necessary changes to be applicable to regional ANPs for approval, based on the new developments in air navigation field, including the outcome of the AN-Conf/12 and revised Global Air Navigation Plan.

2.4   The Working Group developed an ANP template comprising of three volumes instead of two. ANP Volume I contains stable plan elements whose amendment necessitates approval by the Council such as the assignment of responsibilities to States for the provision of aerodrome and air navigation facilities and services in accordance with Article 28 of the Convention on International Civil Aviation (Doc 7300). The material to be included in Volume I should minimize the requirement for frequent amendment.

2.5   Volume II contains dynamic plan elements, the amendment of which does not require approval by the Council (approval is by regional agreement involving the relevant PIRG).

2.6   ANP Volume III contains dynamic/flexible plan elements providing implementation planning guidance for air navigation systems and their modernization taking into consideration emerging programmes such as the ICAO Aviation System Block Upgrades (ASBUs) and associated technology roadmaps described in the Global Air Navigation Plan (GANP) (Doc 9750).

2.7   The draft eANP template was reviewed by the Air Navigation Commission in May 2014 and approved by the Council at its 202 Session held in June 2014. The Council also endorsed the following action plan for the development and approval of the new eANP:

ANP volume	eANP activity/task	Responsible	Completion date
Vol I, II & III	Population of eANP with existing data completed	Regional Offices	September 2014
Vol I, II & III	Agreement on the content of the eANP	PIRGs/States	Mid 2015
Vol I	Approval of Volume I of eANPs by the Council	Regional Offices/ANB	End 2015
Vol II	Approval of Volume II of eANPs by regional agreement involving the relevant PIRG	Regional Offices/PIRGs	End 2015

Vol III	Development and approval of Part II under PIRG responsibility. Inclusion of Volume III on web-based platform.	Regional Offices/ PIRGs/ANB	End 2015
Consequential amendments	Amendments to existing ICAO documentation related to ANPs to ensure harmonization, including the Regional Office Manual, and review of the applicability of the Uniform methodology for the identification, assessment and reporting of air navigation deficiencies to the new ANP	ANB	Mid 2015

2.8   Upon the approval of the new ANP template, the Secretariat will conduct consequential amendments to existing ICAO documentation to ensure harmonization.

2.9   Based on the work plan and template endorsed by the Council, the Secretariat developed and populated the ATM and SAR parts of the template as follows:

    a) **Volume I:**

      i. Part 1: Table GEN I-1 - FIRs/UIRs of the ICAO AFI Region (***Appendix A to this working paper***);

      ii. Part IV: Table ATM I-1 - FIRs/UIRs in the AFI Region (***Appendix B to this working paper***);

      iii. Part VI: Table SAR I-1 - Search and Rescue Regions (SRR) of the AFI Region (***Appendix C to this working paper***).

    b) **Volume II**:

      i. Part 1: Table GEN II-1 - Homogeneous areas and major traffic flows identified in the Region (***Appendix D to this working paper***);

      ii. Part IV: Table ATM II - AFI 1 - Region ATS Routes (***Appendix E to this working paper***);

      iii. Part IV: Table ATM II - AFI 2 - SSR Code Allocation Plan (***Appendix F to this working paper***);

      iv. Part VI: Table SAR II-1 - RCCS and RSCs in the AFI Region (***Appendix G to this working paper***).

2.10   Based on the current information reflected in the Tables of Volume I and Volume II of the draft eANP, the Sub-Group may wish to formulate the following Draft Conclusion:

      Draft Conclusion 14/XX   Contents of Tables related to the ATM and SAR parts of the new AFI eANP

      That, the information contained in Appendices A, B, C, D, E, F and G to this working paper is reviewed and updated by States not later than 31 May 2015.

2.11   The meeting should note that the template for ANP Volume III is still under development and in this regard may wish to formulate the following Draft Decision:

Draft Decision 14/XX Population of Volume III of the AFI eANP

That, the Secretariat finalizes inputs to Volume III of the AFI eANP related to ATM and SAR, once the templates have been developed, and the information coordinated as necessary with States for follow-up action.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

   a)   note the information provided in this working paper; and

   b)   review and update the information for States in Appendices A, B, C, D, E, F and G to this working paper.