



International Civil Aviation Organization

**MIDANPIRG STEERING GROUP**

**Third Meeting (MSG/3)**  
*(Cairo, Egypt, 17 - 19 June 2013)*

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**Agenda Item 3: Global, Inter and Intra Regional Activities**

**PROGRESS ACHIEVED IN THE DEVELOPMENT OF THE eANP**

*(Presented by the Secretariat)*

**SUMMARY**

This paper presents the progress achieved in the development of the new Regional Air Navigation Plan Template.

Action by the meeting is at paragraph 3.

**REFERENCES**

- Global eANP Working Group/1

**1. INTRODUCTION**

1.1 MIDANPIRG/12, through Decision 12/49, recognized the need for a complete review of both the content and format of the MID Basic ANP and FASID and MIDANPIRG/13, through Decision 13/32, agreed to the establishment of an Ad-hoc Working Group tasked with the development of a revised version of the MID ANP.

1.2 The first meeting of the MID Air Navigation Plan Ad-hoc Working Group (ANP WG/1) was successfully held in Cairo, 27-29 May 2013. The meeting was attended by a total of twenty five (25) participants from six (6) States (Bahrain, Egypt, Oman, Qatar, Saudi Arabia and United Arab Emirates).

**2. DISCUSSION**

2.1 With regard to Regional Air Navigation Plans (ANPs) and for the process of aligning the regional ANPs with the GANP, the 12th Air Navigation Conference (AN-Conf/12) agreed that PIRGs should focus initially on implementing ASBU Block 0 Modules and finalize the development of their ASBU aligned regional plans by May 2014.

2.2 In connection with the above, the following Recommendation developed by the AN-Conf/12 is highlighted:

***Recommendation 6/1 – Regional performance framework – planning methodologies and Tools***

*That States and PIRGs:*

- a) develop and maintain regional air navigation plans consistent with the Global Air Navigation Plan;*
- b) finalize the alignment of regional air navigation plans with the Fourth Edition of the Global Air Navigation Plan by May 2014;*
- c) focus on implementing aviation system block upgrade Block 0 Modules on the basis of operational requirements, recognizing that these modules are ready for deployment;*
- d) 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;*
- e) consider how the continuous monitoring approach to safety oversight maps to the evaluation of Member States' safety oversight capabilities concerning aviation system block upgrades;*
- f) involve regulatory and industry personnel during all stages of planning and implementation of aviation system block upgrade modules;*
- g) 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:*

- h) 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;*
- i) 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;*
- j) 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;*
- k) develop an outreach strategy to address the economic and institutional impediments to implementation of the aviation system block upgrades; and*
- l) develop a mechanism for sharing of best practices for the aviation system block upgrade implementation.*

2.3 The meeting may wish to note that ICAO Headquarters established a Secretariat Working Group, composed of a representative from each Regional Office and ICAO Headquarters, to prepare an

action plan and monitor the review/development of the ANP/eANP project. The Terms of Reference (TOR) of the eANP Working Group (eANP-WG) are as at **Appendix A** to this working paper.

2.4 The first meeting of the eANP-WG was held from 4 to 8 February 2013 at the ICAO EUR/NAT Office in Paris. The eANP-WG agreed on the objective, scope and procedure for amendment of the future ANP. A revised structure, format and Table of Contents of the ANP was agreed taking into account the ASBU methodology. In this regard, it was agreed that the new ANP should be composed of three volumes:

- a) Volume I should contain stable plan elements whose amendment necessitated approval by the Council and these elements be related to:

- assignment of responsibilities;
- mandatory requirements subject to regional agreement; and/or
- additional requirements specific to the region which are not covered in SARPs.

*Note.- The following is a non-exhaustive list of such elements:*

- *Flight Information Regions (FIR) boundaries (Table and Charts);*
- *Search and Rescue Regions (SRR) boundaries (Table and Charts);*
- *Volcanic Ash Advisory Centres (VAAC);*
- *Tropical Cyclone Advisory Centres (TCAC);*
- *Volcano Observatories (VO);*
- ...

- b) Volume II should contain dynamic plan elements whose amendment did not necessitate approval by the Council and these elements be related to:

- assignment of responsibilities;
- mandatory requirements subject to regional agreement; and/or
- additional requirements specific to the region which are not covered in SARPs.

*Note.- The following is a non-exhaustive list of such elements:*

- *Major traffic flows;*
- *ATS route network;*
- *Meteorological Watch Offices (MWO);*
- *Secondary Surveillance Radar (SSR) codes;*
- *Five-letter name-codes;*
- *VOLMET Broadcasts;*
- ...

- c) Volume III should contain dynamic (flexible) plan elements whose amendment did not need approval by the Council and these elements be related to the implementation of certain air navigation systems, based mainly on the ASBU modules endorsed at regional or sub-regional level.

2.5 Regarding the content of Volume III, the eANP-WG will design the supporting enablers (tables/databases) and method of monitoring of implementation for a selected number of Block 0 modules which will serve as a prototype or model for each Region to use when developing the enablers for their selected modules. The modules will not be imposed on the Regions as it was recognised that certain modules were either well-established in a Region or not required at all.

2.6 It was agreed that the current Council-approved procedure for amendment of the Basic ANP would be applicable to the new Volume I and that the current amendment procedure of the FASID would be

applicable to the new Volumes II and III. These procedures will be complemented, at a later stage, by the description of the process of amendment (i.e. population of data, review, validation and approval) using the web-based platform of the ANP (eANP).

2.7 Following the agreement of the proposed content of the three Volumes after the 2nd meeting of the eANP-WG, the respective PIRGs will be involved in the further development at an appropriate time.

2.8 The meeting may wish to note that the eANP WG/1 meeting established a Steering Committee (SC) to coordinate and administer the activities of the working group and take decisions as appropriate to progress its work.

2.9 The Steering Committee had two teleconferences, to review and approve, as appropriate, the drafts of the different Parts of Volumes I and II developed so far.

2.10 The meeting may wish to note that the following process for review and approval of draft proposals was agreed:

- a) development and coordination of draft (led by eANP-WG Focal Point) with peers at Regional Offices and HQ Chiefs of Sections;
- b) review and comment of mature draft by eANP-WG members (led by eANP-WG Focal Point and shared with all concerned including HQ Chiefs of Sections); and
- c) endorsement of final mature version, and possible arbitration in case of disparities, by Steering Committee.

2.11 The deadlines for endorsement by the Steering Committee of the developed material would be as follows:

- Volume I: 30/06/2013
- Volume II: 04/10/2013
- Volume III: 04/10/2013

2.12 The approval of the final version of the three Volumes will be made at the eANP WG/2 meeting (Montreal, 18-22 November 2013).

2.13 As a follow-up action to the MIDANPIRG/13 Decision 13/32, the ANP WG/1 meeting was held in Cairo, 27-29 May 2013. The meeting was apprised of the outcome of the eANP-WG/1 meeting (Paris, 4 - 8 February 2013) and the eANP WG SC teleconference organised on 25 March 2013.

2.14 The ANP WG/1 meeting reviewed the available draft version of the different Parts of Volume I and II developed within the framework of the Secretariat eANP WG and made comments for improvement of the current drafts. The Report of the ANP WG/1 meeting is available at: <http://www.icao.int/MID/Documents/2013/anp%20wg1/ANP%20WG1%20-%20REPORT.pdf>.

2.15 The comments made by the ANP WG/1 meeting were shared with and supported by the Secretariat eANP WG SC during the second teleconference organised on 3 June 2013 and the report of the eANP WG/1 meeting was sent to all the eANP WG members.

2.16 In addition to the review of the draft versions of Volume I and II Parts, the ANP WG/1 meeting was apprised of the recent developments related to the air navigation priorities and targets at global level and the need to establish regional and national air navigation priorities and targets in line

with the GANP. It was highlighted, in this respect that the GANP establishes a framework for incremental implementations based on the specific operational profiles and traffic densities of each region and State. This is accomplished through the Aviation System Block Upgrades (ASBUs).

2.17 The meeting highlighted the importance of the development of a MID Region Air Navigation Strategy based on the ASBU methodology and recognized the need for the monitoring the air navigation systems performance in the MID Region, based on the identified/agreed ASBU Modules and associated Key Performance Indicators (KPIs), with a view to report the progress of regional implementation through the planned online system referred to as the *Regional Performance Dashboard* (starting Jan 2014) which will also support/provide necessary inputs to the Annual *Global Air Navigation Report* (starting March 2014).

2.18 The meeting reiterated that this planning methodology requires full involvement of States, service providers, airspace users and other stakeholders, thus ensuring commitment by all for implementation. This approach would facilitate the response to Recommendation 6/1 of the AN-Conf/12 that calls on States and PIRGs to finalize the alignment of regional air navigation plans with the Fourth Edition of the GANP by May 2014.

2.19 Based on the above, the meeting selected eight (8) Block 0 Modules for inclusion in the MID Region Air Navigation Strategy, pending final endorsement by MIDANPIRG. The meeting agreed also on the format of the Tables to be used for the monitoring of the ASBU implementation in the MID Region. It was highlighted that the Tables should be further developed to include appropriate Key Performance Indicators (KPIs), targets and action plans; and that necessary/supporting enablers (i.e. Tables, databases, etc.) should be developed and included in Volume III, taking into consideration the Air Navigation Report Forms, in order to provide States with the planning tool to be used for the measurement of air navigation systems performance.

2.20 More details on the MID Air Navigation Strategy are presented in WP/9.

### **3. Action by the Meeting**

3.1 The meeting is invited to:

- a) note the information contained in this paper and provide comments/feedback, as necessary; and
- b) urge States and users to review the Report of the ANP WG/1 meeting and provide comments/inputs to the ICAO MID Regional Office before 1 August 2013.

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## APPENDIX A

### TERMS OF REFERENCE OF THE eANP WORKING GROUP (eANP-WG)

#### 1. Background

1.1 The eANP Working Group was established on 19 December 2012 by the Air Navigation Bureau (ANB) as a result of the recommendations formulated by the ICAO Deputy Regional Directors (DEPRD) training (Montreal, November 2012), taking into consideration new developments, including the outcome of the AN-Conf/12.

#### 2. Terms of Reference

2.1 The Working Group is expected to:

- a) Make proposals for changes to the Regional Air Navigation Plans (ANPs), including:
  - development of a new structure, format and content;
  - harmonization of the tables contained in the current Facilities and Services Implementation Documents (FASID) to support the implementation of the ICAO Aviation System Block Upgrades (ASBUs); and
  - relevant implementation monitoring and reporting process.
- b) Review and propose amendments to the current ANP amendment procedures and approval process, as appropriate;
- c) Coordinate with the ICAO Aviation Safety Tools (SAST) Section the development of the electronic Air Navigation Plan (eANP) on a web-based platform;
- d) Prepare an action plan to carry out the above activities.

2.2 The results and proposals developed by the eANP Working Group will be presented to the Director of Air Navigation Bureau (D/ANB) for necessary action.

#### 3. Working Methods

- a) The Working Group should avoid duplication of work with other ANB projects and maintain close coordination among the existing entities, including the ROs, to optimize the use of available resources and experience;
- b) The Working Group may designate, as necessary, ad-hoc groups to work on specific topics and activities; all tasks and activities should be clearly defined by time and deliverables; and
- c) The Working Group should conduct its work electronically (emails and teleconferences), and only hold meetings when necessary.

#### 4. Composition

- a) Designated members from each Regional Office and Headquarters; and
- b) Focal points/experts from ICAO to support the designated members and the activities of the Working Group.