



International Civil Aviation Organization

**Middle East Air Navigation Planning and  
Implementation Regional Group (MIDANPIRG)**

**Fourteenth Meeting**  
*(Jeddah, Saudi Arabia, 15-19 December 2013)*

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**Agenda Item 4: Performance Framework for Regional Air Navigation Planning and  
Implementation**

**4.6 CNS/ATM**

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 and the Action Plan for the development of the eANP.

Action by the meeting is at paragraph 3.

**REFERENCES**

- ANP WG/1 Report
- eANP WG/1 SoD
- eANP WG/2 SoD

**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 The 12th Air Navigation Conference (AN-Conf/12 ) agreed to Recommendation 6/1 [*Regional performance framework – planning methodologies and tools*] regarding the alignment of regional air navigation plans (ANP) with the Fourth Edition of the *Global Air Navigation Plan* (GANP) (Doc 9750).

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

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, *inter alia*, to make proposals for changes to the Regional Air Navigation Plans (ANP) which included the development of a new structure, format and content of the ANP. The Terms of Reference (TOR) of the eANP Working Group (eANP WG) are as at **Appendix A** to this working paper.

2.4 The eANP WG had two face-to-face meetings (Paris, France, 4-8 February 2013; and Montreal, Canada, 18-22 November 2013), four Teleconferences of its Steering Committee (SC) (25 March, 3 June, 27 August and 31 October 2013) and one Teleconference of the whole WG members (5 September 2013).

2.5 At its first meeting, (4 to 8 February 2013), the eANP WG agreed on the objective and scope/purposes of the ANP as follows:

1. The Regional Air Navigation Plan provides for the planning and implementation of air navigation systems within a specified area, in accordance with the agreed global and regional planning framework.
2. The development and maintenance of the Regional Air Navigation Plans is undertaken by ICAO Planning and Implementation Regional Groups (PIRGs) with the assistance of the ICAO Secretariat.
3. It is used as a repository Document for the assignment of responsibilities to States for the provision of air navigation facilities and services within a specified area in accordance with Article 28 of the Convention on International Civil Aviation (Doc 7300).
4. It contains requirements related to the facilities and services to be implemented by States in accordance with regional air navigation agreements. The procedural parts of Regional Air Navigation Plans are published in the ICAO Regional Supplementary Procedures (Doc 7030). They are developed to meet those needs of specific areas not covered in the worldwide provisions.
5. It contains recommendations that States can follow in programming the provision of their air navigation facilities and services, with the assurance that facilities and services furnished in accordance with the plan will form with those of other States an integrated system adequate for the foreseeable future.
6. It may serve as a legal basis for air navigation services charges which are levied for services provided or made available to users, in accordance with ICAO's Policies on Charges for Airports and Air Navigation Services (Doc 9082) and ICAO Manual on Air Navigation Services Economics (Doc 9161).
7. It contains the regionally agreed Aviation System Block Upgrades (ASBUs) modules applicable to the specified ICAO region aimed at increasing capacity and improving efficiency of the aviation system whilst maintaining or enhancing safety level, and help achieve the necessary harmonization and interoperability at regional and global level.
8. It supports the performance-based approach to planning adopted by ICAO to measure the efforts made by States in implementing the agreed requirements.

2.6 A revised structure, format and Table of Contents of the eANP had been agreed. The eANP would 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 would not be subject to a formal application of the procedure for amendment of the ANP. These elements are related to the implementation of certain air navigation systems, based mainly on the ASBU modules endorsed at regional or sub-regional level.

2.7 The general structure of the technical Parts of Volume I and II (AOP, CNS, ATM, MET, SAR and AIM) would consist of:

- Introduction;
- General Regional Requirements; and
- Specific Regional Requirements.

2.8 It is to be noted that the Section “General Regional Requirements” would be harmonized for all Regions. Accordingly, an amendment of the provisions (text and table templates) in “General Regional Requirements” would lead to amendment of the eANP of all Regions.

2.9 The meeting may wish to note that the final versions of Volumes I and II Templates were endorsed at the eANP WG/2 meeting (18-22 November 2013). It's to be highlighted in particular, that with regard to the Table/database on ATS Routes, it was agreed that the PIRGs would decide on the need for a Table/database and/or Chart on ATS Routes for their Region and on the associated mechanisms for maintaining this Table/database Specific Regional Requirements). It is also to be noted that the amendment of the Table/database would not necessitate approval by the Council.

2.10 The eANP WG agreed that the information contained in Volume III would be related to implementation monitoring, planning and/or guidance. The structure of Volume III would be kept simple, consisting of:

- Part 0 – Introduction;
- Part I - General Planning Aspects (GEN); and
- Part II – Air Navigation System Implementation.

2.11 The eANP WG would finalise work on the draft Volume III Template by end of February 2014 for presentation to the Council in June 2014 as part of the ANP Template package.

2.12 The eANP WG developed a draft Table (Appendix B to WP/10) for inclusion in Part I of Volume III to define a minimum set of High-Level Implementation Indicator(s), based on the SMART criteria (Specific, Measurable, Achievable, Relevant and Time bound), for each of the 18 ASBU Block 0 Modules and to include other information as deemed necessary, for use by all ICAO Regions. It was underlined that the details related to the monitoring of the ASBU Modules, including the design of supporting enablers (tables/databases) would be left to the Regions/PIRGs.

2.13 The eANP WG developed draft ASBU implementation Templates for B0-DATM, B0-AMET, B0-FICE and B0-FRTO as samples that could be used by Regions/PIRGs for inclusion in Part II [Air Navigation System Implementation] of Volume III.

2.14 The eANP WG reviewed and endorsed a revised procedure for amendment of the eANP which described the process of maintenance of the eANP using a web based platform. It is to be noted that the current Council-approved procedure for amendment of the Basic ANP (with minor changes) would be applicable to the new Volume I and the current amendment procedure of the FASID (with minor changes) would be applicable to Volume II. The management and amendment of Volume III would be under the responsibility of the PIRGs. Nevertheless the amendment of Parts 0 and I of Volume III should go through an inter-regional coordination mechanism.

2.15 With regard to the future work programme and Action Plan for further development of the ANPs/eANP, the following tasks were yet to be completed as part of the eANP development:

- completion of the ANP Template;
- approval of the ANP Template;
- development of the ANPs based on the agreed Template;
- approval/endorsement of the Regional ANPs; and
- development of the eANP online framework (web-based platform).

2.16 It's to be noted that the endorsement of the ANP Template, which includes the new procedure of amendment of the eANP, is the most important milestone in the process. It is expected that the ANP Template package would be presented to the Council in June 2014 for approval. The approval of the eANP of each Region, based on the approved ANP Template, would be accomplished in accordance with the procedure for amendment.

2.17 Concerning the development of the eANP on a web based platform, the eANP WG agreed on the minimum specifications required for the eANP web based platform. The the public would be given read-only access to the eANPs of all Regions and focal points designated by States and International Organizations would be given access to develop and submit proposals for amendments to the relevant eANP of the Regions concerned. It is to be noted that the eANP web based platform would be ready, as a test-bed for selected States (on a voluntary basis), by mid of March 2014. It is expected that the web based platform would be presented to the Council in June 2014, as part of the ANP Template package.

2.18 It's to be noted that access to the eANP through the web based platform would facilitate the consultation of the air navigation plans of all regions, thus providing a global view of air navigation planning. The new approach in Volumes II and III of the eANP would allow significant flexibility for States to plan whilst increasing the possibility to enhance coordination, particularly for States in the interface area with adjacent Regions.

2.19 More information on the work achieved by the eANP WG could be obtained upon request from the ICAO MID Secretariat.

2.20 In connection with the above, the meeting may wish to note that the current MID Basic ANP and FASID (Doc 9708) is available under SPACE at <https://portal.icao.int/space/anp/Pages/Home.aspx>.

2.21 The MID eANP should be developed/approved as soon as possible following the Council approval of the ANP Template in accordance with the timelines outlined in the Action Plan for further development/approval of the ANPs/eANP at **Appendix B** to this working paper. In this respect, the meeting may wish to recall that 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. 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.

2.22 It's proposed that the development of the MID eANP based on the Council-approved ANP Template, be included in the work programme of the different MIDANPIRG subsidiary bodies, including the ANP Ad-hoc Working Group (ANP WG). The ANP WG/2 meeting is tentatively scheduled to be held in December 2014.

2.23 Based on the above, the meeting is invited to agree on the following Draft Decision:

<b>Why</b>	To complete the development of the MID eANP based on the Council-approved ANP template
<b>What</b>	Development and endorsement of the MID eANP
<b>Who</b>	MIDANPIRG Subsidiary bodies
<b>When</b>	MIDANPIRG/15

***DRAFT DECISION 14/XX – DEVELOPMENT AND ENDORSEMENT OF THE MID eANP***

*That, in support to the ICAO efforts to align the regional Air Navigation Plans (ANP) with the Fourth Edition of the Global Air Navigation Plan (GANP) (Doc 9750):*

- a) the development of the MID eANP based on the Council-approved ANP Template, be included in the work programme of the different MIDANPIRG subsidiary bodies; and*
- b) the relevant Parts of the MID eANP be presented, as soon as available, to MSG/4 and/or MIDANPIRG/15 for endorsement.*

**3. Action by the Meeting**

- 3.1 The meeting is invited to agree to the Draft Decision in para. 2.23.

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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.





## APPENDIX B

**ACTION PLAN FOR FURTHER DEVELOPMENT/APPROVAL OF  
THE ANPs/eANP**

<b>ANP Volume</b>	<b>ANP Template</b>	<b>Responsible</b>	<b>Date</b>
Vol I & II	Final Proofreading	Patricia	31/01/14
Vol I & II	Endorsement	eANP-WG SC	15/02/14
Vol I & II	Examples of headings for Specific Regional Requirements	Focal Points of each Part	28/02/14
Vol I & II	Endorsement of Examples of headings for Specific Regional Requirements	eANP-WG SC	15/03/14
Vol III	Finalise Parts 0 (Intro) & I (GEN)	Mohamed, supported by eANP-WG	31/01/14
Vol III	Endorsement of Parts 0 (Intro) & I (GEN)	eANP-WG SC	15/02/14
Vol III	Examples for Part II (ASBU implementation)	Mohamed, Prosper, Julio, Christopher	28/02/14
Vol III	Endorsement of Examples for Part II (ASBU implementation)	eANP-WG SC	15/03/14
Vol I, II & III	Web based platform as a working prototype available for use by States (on a voluntary basis) as a test-bed	SAST	15/03/14
Vol I, II & III	Submit the final template to D/ANB	eANP-WG Chairmen	15/03/14
Vol I, II & III	Coordinate C-WP to be presented	ANB/eANP-WG SC	30/03/14
Vol I, II & III	Presentation to ANC (Session 196)	ANB	April 2014
Vol I, II & III	Presentation to Council (Session 202)	ANB	June 2014
<b>ANP Volume</b>	<b>eANP</b>	<b>Responsible</b>	<b>Date</b>
Vol I, II & III	Population of eANP	Regional Offices	September 2014
Vol I, II & III	Endorsement of the eANP	PIRGs/States	Mid 2015
Vol I	Submission of PfA for approval of Volume I of eANP by the Council	Regional Offices/ANB	End 2015
Vol II	Circulate PfA of Volume II	Regional Offices	End 2015

- END -