



International Civil Aviation Organization

**THIRTEENTH MEETING OF THE
ASIA/PACIFIC AIR NAVIGATION PLANNING AND
IMPLEMENTATION REGIONAL GROUP (APANPIRG/13)
Bangkok, Thailand, 9 to 13 September 2002**

Agenda Item 1: Review of Council and ANC actions on the APANPIRG/12 Report

**REVIEW OF COUNCIL AND ANC ACTIONS
ON THE REPORT OF THE TWELFTH MEETING OF THE APANPIRG**

(Presented by the Secretariat)

SUMMARY

This paper presents the actions taken by the Air Navigation Commission and the Council of ICAO on the report of the twelfth meeting of the APANPIRG.

Action by the APANPIRG is proposed at paragraph 5.

1. INTRODUCTION

1.1 Following each APANPIRG meeting, the report of the APANPIRG is at first reviewed by the working group of the Air Navigation Commission (ANC) followed by the ANC itself and finally by the Council. During these reviews, the ANC and Council note the report, make comments thereon and provide guidance to APANPIRG as appropriate. Furthermore, the ANC and the Council may take specific action on certain conclusions contained in the report, since the follow-up to some conclusions may require approval by the ANC or Council.

1.2 Follow-up actions by the ICAO Secretariat on APANPIRG conclusions and decisions are then guided by the outcome of the ANC and Council actions described above.

1.3 This paper informs the APANPIRG of the results of the ANC and Council actions on the report of the APANPIRG/12 Meeting, which was held in Bangkok from 20 to 24 August 2001.

2. ACTION BY THE ANC ON THE APANPIRG/12 REPORT

2.1 The ANC referred the APANPIRG/12 Report to its Working Group on Regional Plans for detailed review. This detailed review was done on 12 December 2001, following which the ANC itself reviewed the APANPIRG/12 Report on 21 February 2002.

2.2 The ANC noted the APANPIRG/12 Report and took specific action on certain conclusions therein, as shown in the appendix to this paper. The following are the highlights of the ANC's review:

- a) The ANC noted with appreciation that the APANPIRG/12 Report contained important conclusions, arising mainly from the work of APANPIRG contributory bodies which had prepared extensive material aimed at improving the planning and implementation of air navigation facilities, services and procedures in the Asia/Pacific Regions.
- b) In considering Decision 12/9 concerning the development of lateral offset procedures for application in the Asia/Pacific Regions, the Commission recognized this was in line with ICAO's guidelines (State letter AN 13/11.6-00/96 dated November 2000), which were provided to mitigate against an increase in the risk of collision if vertical separation between aircraft was lost when highly accurate navigation systems, such as the global navigation satellite system (GNSS), were used to obtain the navigation solution. The Commission noted that further guidance was being developed by the Separation and Airspace Safety Panel (SASP) and that the development of lateral offset procedures for regional implementation should be in accordance with global guidelines to avoid a proliferation of procedures with potentially conflicting requirements.
- c) The Commission, in reviewing the status of implementation of the international airways volcano watch (IAVW) in the ASIA/PAC Regions, noted that the volcanic ash advisory centres (VAACs) designated to provide the advisory service in the ASIA/PAC Regions — namely Anchorage, Darwin, Tokyo, Washington and Wellington — had been implemented. It was also noted that various arrangements between the VAACs and volcanological and civil aviation authorities were working satisfactorily. In this regard, the Commission noted Conclusion 12/30, calling for operation of VAACs on a 24-hour basis, and requested the Secretary General, as shown in Appendix A, to develop proposals for amendment of Annex 3 and the *Handbook on the International Airways Volcano Watch (IAVW)* (Doc 9766) accordingly.
- d) The Commission noted the concern expressed by APANPIRG that the VAACs were developing the graphical advisories in different formats, including SIGMET messages for volcanic ash. In this regard, the Commission was informed that Annex 3 already specifies the graphical format to be followed by VAACs. Nonetheless, the Commission, agreeing with Conclusion 12/32 pertaining to volcanic ash advisory and SIGMET in graphical format, requested the Secretary General, as indicated in Appendix A hereto, to consider further improving the format of graphical advisories to be issued by VAACs and to develop proposals for the graphical format of SIGMET messages for volcanic ash, including the necessary guidance regarding procedures for dissemination of information. The Commission further noted that this task would be assigned to the Volcanic Ash Warning Study Group.
- e) The Commission, although supporting Conclusion 12/42 pertaining to safety oversight, recommended, as shown in Appendix A, that the Council urge States to establish the necessary regulatory framework to provide safety oversight arrangements of their air navigation services not only in accordance with Annex 11 — *Air Traffic Services and the Procedures for Air Navigation Services* —

Air Traffic Management (Doc 4444) but also Annex 14 — *Aerodromes, Volume I - Aerodrome design and operations* provisions on safety management. Continuing on the same subject and in response to Conclusion 12/43 regarding the expeditious development of ICAO guidance material on this subject, the Commission was informed that the Secretariat had already made considerable progress in the development of draft material, which is scheduled for completion by early 2003.

- f) The Commission noted that APANPIRG held a lengthy discussion on the need for regional safety arrangements necessary to meet the ongoing revision of the ATS route structure and the introduction of reduced horizontal and vertical separation minima, as well as the implementation of new systems such as automatic dependent surveillance (ADS) and controller-pilot data link communications (CPDLC) operations. Consequent to discussions, APANPIRG had established a task force to examine in detail the necessary arrangements to develop an appropriate regional airspace safety performance-monitoring structure and funding mechanism. The Commission appreciated this initiative (Decision 12/44 refers) and called upon the Secretary General to develop provisions for a global approach to establishing airspace safety performance-monitoring arrangements.

3. ACTION BY THE COUNCIL ON THE APANPIRG/12 REPORT

3.1 Following the ANC action, the Council, on 1 March 2002, noted the APANPIRG/12 Report on the basis of the ANC report, and took specific actions on certain conclusions therein, as shown in the appendix to this paper. The following are the highlights of the Council's review:

- a) On the subject of protection of the aeronautical frequency spectrum, the efforts of the region in addressing this issue in a number of fora, such as meetings of Directors General of Civil Aviation and regional preparatory meetings were appreciated. However, as the frequency bands allocated to aviation use were highly attractive to commercial users, the Council reiterated the need for the civil aviation community to continue to remain vigilant in safeguarding the aeronautical interest. In this connection, the Council noted Conclusion 12/19, concerning States' participation at various levels in different fora to provide support for the ICAO position at the forthcoming International Telecommunication Union (ITU) World Radiocommunication Conference 2003 (WRC-2003).
- b) In relation to the world area forecast system (WAFS) transition plan, the Council, noting that training would be needed to enhance the ability of the States to convert gridded binary (GRIB) messages into graphical products, welcomed the proposal to invite satellite distribution system for information relating to air navigation (SADIS) provider State to hold a GRIB training workshop in 2002 (Conclusion 12/22 refers) in coordination with ICAO and the World Meteorological Organization (WMO).
- c) The Council noted that the Asia/Pacific Area Traffic Forecasting Group (APA TFG), as detailed in paragraph 2.4.4 of the report, had developed forecasts for the nine major traffic flows across the Asia and Pacific Regions. According to these forecasts, aircraft movements were projected to increase at varying rates from a low of 3.6 percent per annum for the East Asia – North East Asia route group, which was a mature market, to 6.6 percent per annum for the Australia/Asia – Africa route group, which was a developing market. The report of the APA TFG also covered traffic forecasts for the top 25 city pairs in each of the nine major traffic flows. The Council, welcoming the decision of APANPIRG to reflect these forecasts in the

Asia/Pacific regional plan for CNS/ATM systems (Decision 12/40 refers), noted that in the meantime, these traffic forecasts are currently under review to reflect changes due to recent events.

4. FOLLOW-UP ACTION BY THE SECRETARIAT ON THE APANPIRG/12 REPORT

4.1 The Secretariat's report on follow-up actions on the APANPIRG/12 Report will be presented to APANPIRG/13 in separate working paper(s).

5. ACTION BY THE APANPIRG

5.1 The APANPIRG is invited to

- a) note the ANC's and Council's actions on the APANPIRG/12 report as outlined in this paper and its appendix; and
- b) include the follow-up actions in the work programme of APANPIRG.

APPENDIX

**APANPIRG/12 CONCLUSIONS/DECISIONS CONSIDERED
FOR SPECIFIC ACTION BY THE AIR NAVIGATION COMMISSION
AND/OR COUNCIL**

Report Reference		Action by Council/ANC	Proposed Action
Concl./Dec. No.	Page		
12/2	2.1-8	ANC	Implementation of RVSM in the Western Pacific/South China Sea area Noted the conclusion and was pleased to receive information that RVSM had been implemented successfully in this designated area effective from 21 February 2002.
12/3	2.1-9	ANC	Implementation of RVSM in the Bay of Bengal area and beyond in conjunction with the planned implementation in the Middle East Region Noted the conclusion and requested the Secretary General to urge the States concerned to implement RVSM to provide an end-to-end Asia/Europe RVSM environment.
37022	2.1-21	ANC	Implementation of the EMARSSH project Noted the conclusion and requested the Secretary General to call upon participating States and international organizations to make a full commitment to this project.
37083	2.1-25	ANC	Guidance Manual for Aeronautical Information Services in the Asia/Pacific Region Noted the conclusion and that the guidance manual would be published in accordance with established procedures.
37114	2.1-25	C	Special implementation project for an AIS seminar in 2002 Noted the conclusion and that such a project would be put forward for the Council's approval through established procedures.

Report Reference		Action by Council/ANC	Proposed Action
Concl./Dec. No.	Page		
37145	2.1-28	ANC	Development of lateral offset procedures for application in the Asia/Pacific Region Noted the conclusion and that the development of lateral offset procedures for regional implementation should be in accordance with global guidelines.
37175	2.1-29	C	Special implementation project – International seminar and SAREX Noted the conclusion and that such a project would be put forward for the Council's approval through established procedures.
12/14	2.2-2	ANC	ATN transition plan Noted the conclusion and requested the Secretary General to monitor related developments in other regions.
12/18	2.2-6	ANC	Checklist for GNSS implementation Noted the conclusion and requested the Secretary General to monitor related developments in other regions to harmonize GNSS-based operations.
12/19	2.2-8	C	Protection of aeronautical frequency spectrum Noted the conclusion and requested the Secretary General to continue encouraging the States to participate at various levels in different fora to provide support for the ICAO position at the forthcoming WRC-2003.
12/22	2.2-12	C	GRIB training workshop Noted the conclusion and requested the Secretary General to invite SADIS provider State to hold this training workshop in coordination with ICAO and WMO.
12/27	2.2-15	C	Composition of the SADISOPSG Noted the conclusion and its relationship to the SADIS mandatory cost-recovery scheme.

Report Reference		Action by Council/ANC	Proposed Action
Concl./Dec. No.	Page		
12/30	2.2-17	ANC	Operation of the VAACs Noted the conclusion and requested the Secretary General to develop proposals for amendment of Annex 3 and Doc 9766 to ensure operation of VAACs on a 24-hour basis.
12/32	2.2-18	ANC	Volcanic ash advisory and SIGMET in graphical format Noted the conclusion and requested the Secretary General to consider further improving the format of graphical advisories to be issued by VAACs and develop proposals for the graphical format of SIGMET messages for volcanic ash, including the necessary guidance regarding procedures for dissemination of information.
12/33	2.2-18	C	Honolulu tropical cyclone advisory centre Noted the conclusion and its relationship to the designation of Honolulu as the tropical cyclone advisory centre for the Central Pacific area.
12/40	3-2	C	Inclusion of traffic forecast tables in the Asia/Pacific regional plan for the new CNS/ATM systems Noted the decision and that the traffic forecasts would assist States in planning future facilities and requested the Secretary General to monitor related developments in other regions to ensure a uniform approach.
12/42	37197	C	State regulatory framework for safety oversight Noted the conclusion and requested the Secretary General to urge States to establish the necessary regulatory framework to provide safety oversight arrangements of their air navigation services not only in accordance with Annex 11 and PANS-ATM but also Annex 14 provisions on safety management.

Report Reference		Action by Council/ANC	Proposed Action
Concl./Dec. No.	Page		
12/43	37227	ANC	<p>Provision of ICAO guidance material on the establishment of airspace safety arrangements</p> <p>Noted the conclusion and that the Secretariat had already made considerable progress in the development of draft material, which is scheduled for completion by mid-2002.</p>
12/44	37258	ANC	<p>Establishment of a task force to develop an airspace safety system performance-monitoring structure for the Asia/Pacific Regions</p> <p>Noted the decision and requested the Secretary General to develop provisions for a global approach to establishing airspace safety performance-monitoring arrangements.</p>
Paragraph 3.90	36963	ANC	<p>Publication and maintenance of ANP/FASID documents</p> <p>Noting that ANPs and FASIDs play a key role in regional planning for air navigation systems, requested the Secretary General to allocate sufficient resources and priority to the publication and maintenance of ANP/FASID documents.</p>