



International Civil Aviation Organization

**Fourteenth Meeting of the APANPIRG ATM/AIS/SAR Sub-Group
(ATM/AIS/SAR/SG/14)**

Bangkok, Thailand, 28 June – 2 July 2004

**Agenda Item 2: Review the APANPIRG/14 Report and subsequent ANC/Council Actions
with respect to ATM/AIS/SAR issues**

APANPIRG/14 REPORT AND ANC/COUNCIL ACTIONS

(Presented by the Secretariat)

SUMMARY

This paper presents the Conclusions and Decisions with respect to ATM/AIS/SAR matters agreed to at the APANPIRG/14 Meeting and, where appropriate, actions taken by the Air Navigation Commission (ANC) and the ICAO Council.

1. INTRODUCTION

1.1 APANPIRG/14 (4-8 August 2003 Bangkok, Thailand) reviewed the ATS/AIS/SAR/SG/13 report (23-27 June 2003, Bangkok, Thailand) and adopted the draft decisions and draft conclusions developed by the Sub-Group. The Air Navigation Commission (ANC) and the ICAO Council reviewed the APANPIRG/14 report.

2. DISCUSSION

2.1 Following each APANPIRG meeting, the report of the APANPIRG is reviewed by the ANC and subsequently by the Council. During these reviews, the ANC and Council note the report, make comments thereon and provide guidance to the 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.

2.2 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. Such action will be discussed under a separate Agenda Item.

2.3 The ANC referred the APANPIRG/14 Report to its Working Group on Regional Plans (WG/RPL) for detailed review. The WG/RPL reviewed the APANPIRG/14 Report on 27 November 2003, and submitted its views thereon to the ANC for consideration on 27 January 2004. The ANC noted the APANPIRG/14 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:

Matters related to ATS/AIS/SAR matters (Agenda Item 2.1):

- a) RVSM – The Commission congratulated APANPIRG on the implementation of RVSM in the Bay of Bengal and Beyond (effective 27 November 2003) and recognized that the recent implementation of RVSM in Europe and also in the Middle East Region on 27 November 2003 made it possible, with very small exceptions, to achieve a seamless RVSM environment between Asia and Europe through the Middle East. The Commission noted the considerable safety, operational, environmental and passenger service benefits accrued as a result.

With respect to the request for the inclusion of RVSM phraseologies for CPDLC in PANS-ATM (Doc 4444), the Commission noted that the issue was already being addressed by the Secretariat.

- b) ICAO Flight Plan - The Commission supported the request by APANPIRG for the review of the ICAO Flight Plan to include RNP approval status and requested the Secretary General to develop and provide adequate guidance. The Commission noted the establishment of a study group by the Secretariat to address the issue.
- c) ACAS II - The Commission shared concern that although the carriage of ACAS II by aircraft in excess of 15,00kg or more than 30 passengers had been mandatory since 1 January 2003, some States had not yet specified these carriage requirements and some operators have not implemented. The Commission noted the criticality of these requirements in respect of RVSM and called upon the Secretary General to urge States to comply with Annex 6 in this regard.
- d) MET products - The Commission agreed with APANPIRG that Meteorological (MET) products aimed at supporting ATM decisions could be very useful to ATS units. The Commission called upon the Secretary General to take appropriate action to develop provisions in Annex 3 for additional meteorological services to ATS in regard to the weather phenomena that cause significant changes in ATC procedures, such as large scale weather deviation contingency procedures.

Matters related to meteorology (Agenda Item 2.2), *inter alia*:

- a) SIGMET Format - The Commission agreed with APANPIRG that the current SIGMET format, as specified by Annex 3, needed some amendments aimed at standardizing the reporting of the geographical location of the weather phenomenon in SIGMET. The Commission requested the Secretary General to develop amendments to standardize the SIGMET message format.
- b) MET/ATM Cooperation - In recognizing the importance of continuous cooperation between MET and ATM providers, the Commission agreed with APANPIRG that a MET/ATM coordination seminar should be organized in the Asia/Pacific Region during 2004.

Matters related to communications, navigation and surveillance/air traffic management (CNS/ATM) implementation and related activities (Agenda Item 3), *inter alia*:

- a) RASMAG - The Commission noted that APANPIRG had decided to establish the Regional Airspace Safety Monitoring Advisory Group (RASMAG) and requested the Secretary General to monitor the regional developments and formulate an approach for global harmonization of regional safety monitoring arrangements.

Deficiencies in the air navigation field (Agenda Item 4), *inter alia*:

- a) APAC Supplement - The Commission welcomed the initiative of APANPIRG in developing the concept of the Asia/Pacific Supplement to the Uniform Methodology that would provide a safety analysis and consideration of associated risk factors, resulting in the allocation of appropriate priority in addressing deficiencies.

Future Work Program (Agenda Item 6), *inter alia*:

- a) PIRG efficiency/effectiveness - With regard to increasing the efficiency and effectiveness of the PIRGs, the Commission noted that APANPIRG had reviewed its role and working methods. The Commission concurred with APANPIRG that the present format and style of the reports appeared to meet the requirements of the States in the region. APANPIRG confirmed that the periodicity, duration and format of its meeting are appropriate to the needs of the region.

The Commission noted that participating States and international organizations, in offering full commitment to APANPIRG, expressed confidence in the mechanism, work programme and productivity of the PIRG and also commended the Regional Office in this context.

- b) APANPIRG Terms of Reference – The Commission noted that APANPIRG had reviewed and proposed amendments to its terms of reference (TOR). The Commission further revised the TOR proposed by APANPIRG in order to reflect all aspects of enhancing the efficiency and effectiveness of PIRGs and recommended that Council approve these revised TOR.
- c) Regional Office Resources - The Commission noted that APANPIRG had expressed concern at the lack of Regional Office resources, in particular the vacancies in the ATM and AIS/MAP positions. In noting that an ATM position has since been filled, the Commission supported the need to fill the AIS/MAP position.

Other business (Agenda Item 7):

- a) The Commission supported APANPIRG's recommendation that Viet Nam become a full member of APANPIRG and requested that the Council approve Viet Nam's membership.

2.4 Following the ANC action, the Council considered the APANPIRG/14 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) The Council noted the APANPIRG/14 Report and the report of the Commission thereon as contained in C-WP/12180;
- b) The Council noted the summary of the situation in the Asia/Pacific Regions as indicated in Appendix A to C-WP/12180;
- c) The Council noted the specific action taken by the Commission, under delegated authority, on conclusions as indicated in Appendix B to C-WP/12180; and
- d) The Council took specific action on the conclusions of the meeting as described in Appendix B to C-WP/12180.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the Conclusions and Decisions of APANPIRG/14 and the specific action taken by the Air Navigation Commission and the Council as shown in the Appendix to this paper.

SUPPLEMENT No. 1 to APANPIRG/14

The Council, at the 6th Meeting of its 171st Session held on 27 February 2004 and the Air Navigation Commission at the 5th Meeting of its 165th Session on 27 January 2004 respectively, acting under authority delegated by the Council, took action as indicated hereunder, on the Report of the Fourteenth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/14).

Report Reference		Action by Council/ANC	Proposed Action
Concl./Dec. No.	Page		
Paragraph 2.1.22 of the APANPIRG/14 Report	2.1-4	C	<p>Implementation of RVSM in Bay of Bengal and beyond</p> <p>Noted that RVSM in the Bay of Bengal and beyond was implemented effective 27 November 2003 and that similar introduction in the MID Region could make it possible to achieve a seamless RVSM environment between Asia and Europe through the Middle East (except Kabul and Baghdad FIRs), without transition areas.</p>
14/1	2.1-8	ANC	<p>Review of the ICAO flight plan to include aircraft RNP type approval status</p> <p>Noted the conclusion and that it had already agreed to the establishment of a study group to address this issue.</p>
14/6	2.1-14	ANC	<p>Implementation of ACAS II and pressure-altitude reporting transponders in the Asia/Pacific Region</p> <p>Noted the conclusion and, as one of the possible means, requested the Secretary General to write specifically to States not having done so to urge them to ensure carriage of ACAS II and pressure-altitude reporting transponders by aircraft in accordance with Annex 6 provisions.</p>
14/10	2.1-31	ANC	<p>MET support to ATM large-scale weather deviations contingency procedures</p> <p>Noted the conclusion and requested the Secretary General to develop provisions for additional meteorological service to the ATS in regard to the weather phenomena that cause significant changes in the ATC procedures, such as large-scale weather deviations contingency procedures.</p>

14/17	2.2-7	ANC	<p>Use of SATCOM-voice for ATS</p> <p>Noted the conclusion and relevant provisions in Annex 10, and requested the Secretary General to consider developing, if necessary, additional procedures to address the use of SATCOM- voice for ATS.</p>
14/22	2.2-14	ANC	<p>Need for development of ICAO SARPs for ADS-B</p> <p>Noted the conclusion and requested the Secretary General to consider including source data accuracy and integrity requirements in ADS-B standards and also develop separation standards for ADS-B surveillance.</p>
14/24	2.2-16	C	<p>Preparation for World Radiocommunication Conference – 2007 (WRC-2007)</p> <p>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-2007 so as to protect aeronautical frequency spectrum.</p>
14/25	2.2-16	ANC	<p>Implementation of the SADIS second generation system (SADIS 2G)</p> <p>Noted the conclusion and recognized that the transition to SADIS 2 G would accrue benefits to States, although there would be an initial cost implication at the system level.</p>
14/26	2.2-16	ANC	<p>Discontinuation of the current first generation SADIS two-way VSAT programme</p> <p>Noted the conclusion and acknowledged that the discontinuation of the current SADIS two-way VSAT programme effective 1 January 2004 constituted an initial step for migration from first to second generation SADIS broadcast system.</p>
14/32	2.2-20	C	<p>GRIB/BUFR Training</p> <p>Noted the conclusion and requested the Secretary General to invite the SADIS and ISCS Provider States to arrange, in coordination with ICAO and WMO, training on the operational use of GRIB- and BUFR-coded WAFS products for the States in the Asia/Pacific Regions during 2004/2005.</p>

14/37	2.2-24	ANC	<p>Amendment to the SIGMET format</p> <p>Noted the conclusion and requested the Secretary General to develop amendments to the SIGMET format specified by Annex 3, in particular to the part of the SIGMET message related to the geographical location of the weather phenomenon, aimed at further standardization of the message format.</p>
14/42	2.2-27	ANC	<p>Further development of the ICAO provisions for the tropical cyclone advisories and SIGMETs</p> <p>Noted the conclusion and requested the Secretary General to consider further development of the Annex 3 provisions related to the format and content of the tropical cyclone advisories issued by the tropical cyclone advisory centre and SIGMETs for tropical cyclones issued by the MWO.</p>
14/44	3-7	ANC	<p>Application of Mode-S data link in automatic weather reporting</p> <p>Noted the conclusion and called upon the Secretary General to consider the use of Mode-S data link in automatic air reporting.</p>
14/45	3-8	C	<p>Fostering of exchanges between the MET and ATM</p> <p>Noted the conclusion and invited the Secretary General, in coordination with WMO, to organize a MET/ATM coordination seminar in the ASIA/PAC Region during 2004.</p>
14/48	3-18	ANC	<p>Establishment of the Regional Airspace Safety Monitoring Advisory Group (RASMAG)</p> <p>Noted the decision and requested the Secretary General to monitor the regional developments and formulate an approach for global harmonization of regional safety monitoring arrangements.</p>
14/50	4-2	ANC	<p>Asia Pacific Supplement to the Uniform Methodology</p> <p>Noted the conclusion and requested the Secretary General to monitor and evaluate the development of Asia Pacific Supplement to the Uniform Methodology and consider extending its application to other regions.</p>

14/52	6-1	C	Revised terms of reference of APANPIRG Approved the revised terms of reference as shown in Appendix A.
14/53	6-2	C	Filling key vacant posts in the Asia/Pacific Regional Office Noted the conclusion and requested the Secretary General, as a matter of urgency, to strengthen the Asia/Pacific Regional Office specifically by filling the AIS/MAP vacant post.
14/54	7-1	C	Viet Nam's application for full membership with APANPIRG Approved the membership of Viet Nam of APANPIRG.
