



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**REPORT OF THE FIFTEENTH MEETING OF THE
ASIA/PACIFIC AIR NAVIGATION PLANNING AND IMPLEMENTATION
REGIONAL GROUP
(APANPIRG/15)**

BANGKOK, THAILAND - 23 – 27 AUGUST 2004

The views expressed in this Report should be taken as those of the APANPIRG and not of the Organization. This Report will be presented to the Air Navigation Commission/Council and any formal action taken will be published in due course as a supplement to the Report.

Approved by the Meeting
and published by the ICAO Asia/Pacific Regional Office

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PART I - HISTORY OF THE MEETING

PART I - HISTORY OF THE MEETING

1.1 Introduction

1.1.1 The Fifteenth Meeting of the ASIA/PAC Air Navigation Planning and Implementation Regional Group (APANPIRG/15) was held in Bangkok, Thailand from 23 to 27 August 2004 at the new Kotaite Wing, ICAO Asia/Pacific Regional Office.

1.2 Attendance

1.2.1 The meeting was attended by 90 participants from 15 Member States, 6 other Contracting States of the Asia/Pacific region and 4 International Organizations.

1.2.2 A list of participants is given at **Attachment 1** to the Report.

1.3 Opening of the meeting

1.3.1 The ICAO Regional Director, Mr. L.B. Shah welcomed the participants from the APANPIRG member States, non-member States and the International Organizations to the newly inaugurated Kotaite Wing of the ICAO Asia/Pacific Regional Office. He expressed his deepest gratitude to the Royal Kingdom of Thailand for having very generously provided the excellent facilities in the building.

1.3.2 Mr. Shah acknowledged the presence of several Directors General, Secretary, Chairman and Chief Executives who were attending APANPIRG/15 thus enhancing the value of the proceedings. With regard to International Organizations, he welcomed the presence of IATA, IFALPA, IFATCA and IBAC. He also extended a warm welcome to the Chief of Regional Affairs Office of ICAO Headquarters to the meeting.

1.3.3 He drew the attention of the delegates to the letter of 2 August 2004 from the ICAO Secretary General stating that the delay in the receipt of contributions by Contracting States was severely impacting on the cash resources of the Organization. The Secretary General had urged Contracting States to take immediate steps to fulfil their financial obligations to ICAO as a matter of great urgency.

1.3.4 Mr. Shah recalled that participating States and International Organizations in offering full commitment to APANPIRG had registered their confidence and value on the commendable role played by the regional office. He further exhorted delegates representing the Contracting States from the ASIA/PAC region to the upcoming 35th Session of the Assembly to make efforts in preventing any reduction in the resources of the regional office so that the productivity achieved thus far will not be impacted.

1.3.5 Mr Shah then proceeded to highlight some of the notable achievements in the region including the successful opening of the airspace between the Democratic People's Republic of Korea and the Republic of Korea, implementation of the revised route structure over South China Sea, EMARSSH, RVSM, partnership initiatives such as the COSCAP mechanism, enhancing meteorological safety services and the increasing involvement of ICAO technical assistance in the transfer of mega-airport and airline projects.

1.3.6 The Chairman, Mr. W.L. Wong in welcoming the delegates to APANPIRG/15, noted that a year had gone by since the war in Iraq and global outbreak of the Severe Acute Respiratory (SAR) disease. Security concerns and the spread of highly communicable disease remain very real threats.

Compounding the problem, the civil aviation industry is currently witnessing rapid increases in fuel costs. Airlines are struggling to remain competitive and it befalls all in the industry to ensure that aviation remains safe, efficient and competitive.

1.3.7 In commending the achievements of the ASIA/PAC region, Mr. Wong highlighted a number of areas in which he felt that more work needed to be carried out such as the extension of the route P628 to Kandahar which is a cost-effective alternative to the popular L759 for flights between Europe and the Asia/Pacific region. On ADS/CPDLC, he pointed out the need to speed up the implementation plans with the aim of providing point-to-point, seamless datalink service as quickly as possible and clear goals needed to be set with regard to the implementation of ADS-B and ATN services. Reducing the list of deficiencies remains an integral part of the activities of APANPIRG.

1.3.8 Mr. Shah then invited Mr. Vladimir Zubkov to briefly share some thoughts that may be of interest to the meeting.

1.3.9 Mr. Zubkov extended to the delegates attending APANPIRG/15 the greetings and best wishes from the President of the Council and Secretary General of ICAO. He also took the opportunity to thank the Royal Kingdom of Thailand for its unfailing support to ICAO which is further reinforced through its generous funding of the new Kotaite Wing.

1.3.10 In acknowledging the contributions made towards the development of regional air navigation infrastructure, he stressed the need for APANPIRG to have a reliable measure of performance to be able to quantify the results of the efforts and to assess the benefits achieved against the resources spent. He called for greater efficiency and more effective work of the staff as well as participants from States in view of the very tight resources allocated to ICAO in general and the regional office in specific.

1.3.11 Mr. Zubkov reiterated on the five main areas of focus for the forthcoming 35th Session of the Assembly, viz. effective global security system, uniform implementation of existing and evolving ICAO SARPs, continued progressive liberalization of air transport, global interoperable air traffic management systems and the balance between orderly development of civil aviation and quality of environment. In this regard, he recognised that APANPIRG and the Asia/Pacific region were very important and valuable contributors to the global implementation process.

1.4 **Officers and Secretariat**

1.4.1 Mr. W.L.Wong, DGCA, Singapore as Chairperson of the Group presided over the meeting. Mr. Lalit B. Shah, ICAO Regional Director, Asia and Pacific Office, was the Secretary of the meeting assisted by Mr. K. W. Cheong, Regional Officer/AGA from the ICAO Asia and Pacific Office. Mr. Vladimir Zubkov, Chief of Regional Affairs Office, ICAO Headquarters, was advisor to the meeting.

1.4.2 The meeting was also assisted by Mr. Shaukat A. Ali, Deputy Regional Director, Mr. H.V. Sudarshan, Regional Affairs Officer, ICAO Headquarters, Mr. Dimitar Ivanov, Regional Officer/MET, Mr. David Moores, Mr. Andrew Tiede and Mr. Kyotaro Harano, Regional Officers/ATM, Mr. K.P. Rimal and Mr. Li Peng, Regional Officers/CNS, Dr. Paul Hooper, Regional Officer/AT and Ms. Sarangtip Sundarachampaka, Regional Officer/Administration from the ICAO Asia/Pacific Regional Office.

1.5 **Agenda of the Meeting**

1.5.1 The meeting adopted the following agenda:

Agenda Item 1 Review of Council and ANC actions on APANPIRG/14 Report

Agenda Item 2 ASIA/PAC Air Navigation System and Related Activities

 2.1 ATM/AIS/SAR Matters

 2.2 CNS/MET Matters

 2.3 ATS Co-ordination Groups' Activities

 2.4 Other Air Navigation Matters

Agenda Item 3 CNS/ATM Implementation and Related Activities

Agenda Item 4 Deficiencies in the Air Navigation Field

Agenda Item 5 Review of Outstanding Conclusions and Decisions of
APANPIRG

Agenda Item 6 Develop Future Work Programme

Agenda Item 7 Any other business

1.6 **Working Arrangements, Language and Documentation**

1.6.1 The Group met as a single body throughout the meeting. The working language of the meeting was English inclusive of all documentation and this Report. Information Papers (IPs) and Working Papers (WPs) presented at the meeting are listed in the **Attachment 2** to this Report.

1.7 **Conclusions and Decisions - Definition**

1.7.1 The APANPIRG records its actions in the form of Conclusions and Decisions with the following significance:

- 1) Conclusions deal with matters which, in accordance with the Group's Terms of Reference, require the attention of States or actions by ICAO in accordance with established procedures; and
- 2) Decisions deal with matters of concern only to the APANPIRG and its contributory bodies.

List of Conclusions and Decisions are given on pages i-6 to i-9.

1.8 **Terms of Reference of APANPIRG**

1.8.1 The revised Terms of Reference of APANPIRG approved by the Council of ICAO (6th Meeting of its 171st Session on 27 February 2004) are as follows:

- a) to ensure continuous and coherent development of the Asia/Pacific Regional Air Navigation Plan and other relevant regional documentation in a manner that is harmonized with adjacent regions, consistent with ICAO SARPs and Global Air Navigation Plan for CNS/ATM systems (DOC 9750) and reflecting global requirements;
- b) to facilitate the implementation of air navigation systems and services as identified in the Asia/Pacific Regional Air Navigation Plan with due observance to the primacy of air safety, regularity and efficiency; and
- c) to identify and address specific deficiencies in the air navigation field.

In order to meet the Terms of Reference, the Group shall:

- a) review, and propose when necessary, the target dates for implementation of facilities, services and procedures to facilitate the coordinated development of the Air Navigation Systems in the Asia/Pacific region;
- b) assist the ICAO Asia/Pacific Regional Office in fostering the implementation of the Asia/Pacific Regional Air Navigation Plan;
- c) in line with the Global Aviation Safety Plan (GASP), facilitate the conduct of any necessary systems performance monitoring, identify specific deficiencies in the air navigation field, especially in the context of safety, and propose corrective action;
- d) facilitate the development and implementation of action plans by States to resolve identified deficiencies, where necessary;
- e) develop amendment proposals to update the Asia/Pacific Regional Air Navigation Plan to reflect changes in the operational requirements;
- f) monitor implementation of air navigation facilities and services and where necessary, ensure interregional harmonization, taking due account of organizational aspects, economic issues (including financial aspects, cost/benefit analyses and business case studies) and environmental matters;
- g) examine human resource planning and training issues and propose where necessary human resource development capabilities in the region that are compatible with the Asia/Pacific regional Air Navigation Plan;
- h) review the Statement of Basic Operational Requirements and Planning Criteria and recommend to the Air Navigation Commission such changes as may be required in the light of new developments in the air navigation field;

- i) request financial institutions, on a consultative basis as appropriate to provide advice in the planning process;
- j) maintain close cooperation with relevant organizations and State grouping to optimize the use of available expertise and resources; and
- k) conduct the above activities in the most efficient manner possible with a minimum of formality and documentation and call meetings of the APANPIRG when deemed necessary to do so.

List of Conclusions

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| Conclusions 15/2 | - Capture and circulate lessons learn from EMARRSSH Task Force |
| Conclusions 15/3 | - Review of ATS route requirements |
| Conclusions 15/6 | - Designation of Airservices Australia to provide RMA and SMA services for the international airspace within the western part of the Melbourne and Brisbane FIRs |
| Conclusions 15/7 | - FANS 1/A Operations Manual (FOM) |
| Conclusions 15/8 | - Implementation of a 2 NM lateral offset procedures in the Asia/Pacific region |
| Conclusions 15/9 | - Review of Annex 11 airspace classification provisions for RVSM and RNP operations |
| Conclusions 15/11 | - Use of X.25 protocol |
| Conclusions 15/12 | - Development of AMHS Addressing Scheme and PRMD value for Asia/Pacific region |
| Conclusions 15/13 | - AHMS Naming Registration Form |
| Conclusions 15/14 | - Use of AMHS over TCP/IP in the Asia/Pacific region |
| Conclusions 15/15 | - ASIA/PAC Regional ATN Implementation System Management Operational Procedures |
| Conclusions 15/16 | - Table CNS-1D - AIDC |
| Conclusions 15/17 | - Amendment Table CNS-1C – ATSMHS Implementation Plan |
| Conclusions 15/18 | - Amendment to Table CNS-1B – ATN Router Plan |
| Conclusions 15/19 | - Amendment of the Table CNS-1A – AFTN Plan |
| Conclusions 15/20 | - Procedure for calculation of AFTN circuit loading statistics |
| Conclusions 15/23 | - Revision of the Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the Asia/Pacific region |

List of Conclusions (Cont'd)

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| Conclusions 15/24 | - | Revision of FASID Table CNS-3 by States |
| Conclusions 15/25 | - | Airlines plan for the deployment of ADS-B |
| Conclusions 15/26 | - | Exchange of ADS-B surveillance data with neighbours |
| Conclusions 15/28 | - | SADIS Internet-based FTP Service |
| Conclusions 15/29 | - | SADIS strategic assessment tables |
| Conclusions 15/30 | - | State's migration plans for the transition from 1G to 2G SADIS service |
| Conclusions 15/31 | - | Annual survey of the ISCS/2 operational efficacy and nomination of ISCS Focal Points |
| Conclusions 15/32 | - | Limited extension of the availability of WAFS forecasts in chart form beyond 1 July 2005 |
| Conclusions 15/33 | - | States' actions for the migration to the operational use of GRIB and BUFR coded WAFS products |
| Conclusions 15/34 | - | Automatic depiction of SIGWX forecast in chart form from BUFR coded WAFS products |
| Conclusions 15/36 | - | 12th edition of the ROBEX Handbook and 3rd edition of the ASIA/PAC ICD |
| Conclusions 15/37 | - | Fostering the standardization of OPMET information in the Asia/Pacific region |
| Conclusions 15/38 | - | New data type designators for bulletins containing special air-reports |
| Conclusions 15/39 | - | Feasibility of extending the validity of TAF to 30 hours |
| Conclusions 15/41 | - | Designation of State volcano observatories |
| Conclusions 15/42 | - | Conducting SIGMET tests in the Asia/Pacific Region |
| Conclusions 15/43 | - | Improvement of issuance of SIGMET for tropical cyclones |

List of Conclusions (Cont'd)

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| Conclusions 15/47 | - | Implementation of AN-Conf/11 Recommendations by States |
| Conclusions 15/48 | - | Implementation of AN-Conf/11 Recommendations by international organizations |
| Conclusions 15/54 | - | Adoption of the ASIA/PAC Supplement to the Uniform Methodology |

List of Decisions

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| Decision 15/1 | - To dissolve the EMARSSH Task Force |
| Decision 15/4 | - Revision to the Terms of Reference of RASMAG |
| Decision 15/5 | - Adoption of the term Safety Monitoring Agency (SMA) |
| Decision 15/10 | - Amendment to the Terms of Reference of the ATM/AIS/SAR/SG |
| Decision 15/21 | - Subject/Tasks list of the ATN Transition Task Force |
| Decision 15/22 | - Assignment of new tasks |
| Decision 15/27 | - Subject/Tasks List of ADS-B Study and Implementation Task Force |
| Decision 15/35 | - Terms of reference and work programme of OPMET Management Task Force |
| Decision 15/40 | - Planning for migration to BUFR-coded aeronautical meteorological messages |
| Decision 15/44 | - Updated Subject/Tasks List of the CNS/MET Sub-group |
| Decision 15/45 | - Seminar on the operation of the New Larger Aircraft |
| Decision 15/46 | - Implementation of AN-Conf/11 Recommendations by APANPIRG |
| Decision 15/49 | - Assignment of new tasks to the ATM/AIS/SAR and CNS/MET Sub-groups |
| Decision 15/50 | - Dissolution of the CNS/ATM Implementation Coordination Sub-group |
| Decision 15/51 | - Dissolution of the Future Directions Task Force |
| Decision 15/52 | - Sub-group Key Priority Lists |
| Decision 15/53 | - Developments of simplified tools and associated guidance for estimating environmental benefits of CNS/ATM systems at the national level |