



*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

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**Agenda Item 3: Review and progress the tasks assigned to the ATM/AIS/SAR/SG by  
APANPIRG**

**REVIEW OF OUTSTANDING CONCLUSIONS AND DECISIONS OF APANPIRG**

(Presented by the Secretariat)

**SUMMARY**

This paper outlines the outstanding conclusions and decisions of APANPIRG in the ATM/AIS/SAR fields which are relevant to the work of the ATM/AIS/SAR Sub-Group.

**1. INTRODUCTION**

1.1 APANPIRG/14 (4-8 August, 2003) under its Agenda Item 5 reviewed the progress made on the outstanding conclusions and decisions of previous APANPIRG meetings including those of APANPIRG/13. The meeting decided on a consolidated list of outstanding conclusions and decisions on which further action would be required.

**2. DISCUSSION**

2.1 The list of Outstanding Conclusions and Decisions of APANPIRG/14 in the ATM/AIS/SAR field is appended (Appendix A).

2.2 The List of relevant Conclusions and Decisions raised during APANPIRG/14 is also appended (Appendix B).

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to review and update the list of APANPIRG outstanding conclusions and decisions shown in the Appendices to this paper for APANPIRG consideration.

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**LIST OF OUTSTANDING CONCLUSIONS/DECISIONS IN ATM/AIS/SAR FIELDS**

**Appendix A – List as published under Agenda Item 5 to APANPIRG/14**

| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                         | Action by States/ICAO                                                                                                                                                                                                                                                                                           | Status                                           | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
|------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|
| C 2/28                                   |                              | <p><b>Implementation of Area Control Service</b></p> <p>That in view of recent improvements in the point-to-point communications and imminent improvement in HF air-ground communication, States concerned be urged to take urgent action to upgrade advisory and flight information services to area control service in the area over the Bay of Bengal by early 1993 along major ATS routes in their respective FIRs to enhance the safety of the rapidly increasing air traffic movement.</p> | <p>a) <del>Area Control Services is now provided over the Bay of Bengal area.</del></p> <p>b) Some routes in the Arabian Sea within the Mumbai FIR are still classified Class F with Advisory Services</p> <p>c) .States to update the Regional Office on the current status.</p>                               | <p>Completed</p> <p>On-going</p> <p>On-going</p> |                                            |
| C 3/24                                   |                              | <p><b>Implementation of RVSM &amp; RNP in the Pacific Region</b></p> <p>That, Australia, New Zealand and United States requested to prepare proposals for the implementation of RVSM and RNP in the Pacific Region based on the work done by the ISPACG.</p>                                                                                                                                                                                                                                     | <p>a) <del>RNP 10 has been implemented in most of the Pacific Region. Central Pacific in October 2002.</del></p> <p>b) RNP4 implementation being considered.</p> <p>Note: RVSM was implemented in the Pacific Region on 24 February 2000. This action on RVSM was completed.</p>                                | <p>Completed</p> <p>On-going</p>                 |                                            |
| C 4/2                                    | C                            | <p><b>States in the Asia Region to review their SAR system</b></p> <p>That,</p> <p>a) States in the Asia Region review their SAR system in the context of the matters which require urgent addressing in the PAC Region and detailed in Appendix B, and advise the ICAO Regional Office.</p> <p>Noted the Conclusion.</p>                                                                                                                                                                        | <p>a) Review of Asian States SAR is continuing. The ICAO Regional Office is actively fostering the enhancement of SAR throughout the Region as part of the normal work programme. Deficiencies will be listed as they become apparent.</p> <p>b) States to update the Regional Office by 30 April each year</p> | <p>On-going</p>                                  |                                            |

**APPENDIX A**

| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                   | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                | Status                      | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
|------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------|
| C 6/13                                   |                              | <p><b>SAR Agreements</b></p> <p>That,</p> <p>a) States are encouraged to develop formal SAR agreements on a bi-lateral or multi-lateral basis; and</p> <p>b) ICAO establish and maintain a register of SAR agreements between States.</p>                                                                                                                                                                                                                                                  | <p>a) The Regional Office continues to encourage States at regular intervals; and</p> <p>b) A register has not yet been established. Monitoring undertaken by ATS/AIS/SAR/SG.</p> <p>*This Task is superseded by Conclusion 11/9.</p>                                                                                                                | <p>Closed</p> <p>Closed</p> |                                            |
| C 6/19                                   | €                            | <p><b>Japan Area "G"</b></p> <p>That, the Task associated with Japan area "G" be removed from the work programme of ATS/AIS/SAR/SG as the problem had been determined not to be of an ATS or AIS technical nature, noting that APANPIRG and ICAO will take further steps as appropriate.</p> <p>Noted the conclusion and requested the Secretary General to pursue the subject as a matter of high priority and report the outcome to the Council and inform the APANPIRG accordingly.</p> | <p>The Task has been removed from the work programme of ATS/AIS/SAR/SG.</p> <p>No progress could be made by the Secretariat on this subject. Japan is currently undertaking internal co-ordination with respect to resolving this issue.</p>                                                                                                         | Completed                   |                                            |
| C 8/9                                    | ANC                          | <p><b>Co-ordinated Activity – SAR</b></p> <p>That, ICAO undertakes co-ordinated activity on a regional basis to improve the level of SAR response throughout the Asia/Pacific Region.</p> <p>Noted the conclusion and requested the Secretary General to take appropriate action.</p>                                                                                                                                                                                                      | <p>a) A SAREX and associated SAR seminar focused on the Bay of Bengal area is programmed to take place in 2003<sup>4</sup>; and</p> <p>b) A similar project will be organized for the South China Sea and Pacific islands areas.</p> <p>Note: ICAO seminar being planned in conjunction with the Hong Kong, China annual SAREX in November 2003)</p> | <p>2004</p> <p>On-going</p> |                                            |

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|------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|
| C 8/39                                   | C                            | <p><b>CNS/ATM Training Workshops and Seminars</b></p> <p>That, the ICAO Regional Office continue to arrange CNS/ATM training workshops and seminars with the assistance of CNS/ATM Stakeholders and partners as necessary.</p> <p>Noted the conclusion</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Several CNS/ATM workshops and seminars were held in the year 2000. Further workshops and seminar will be programmed to be held in 2004/05.                                                                                                                                                                                  | 2004/05   |                                            |
| <del>C 9/1</del>                         | C                            | <p><del><b>Implementation of the Revised South China Sea ATS Route Structure</b></del></p> <p><del>Noting the need to expedite progress, it is reiterated that, in the interest of improved efficiency and to enhance the on-going safety of operations over the South China Sea (SCS), China and Viet Nam are strongly urged to continue their efforts, under the auspices of ICAO, with the aim of resolving outstanding issues which will permit the early implementation of the Revised South China Sea ATS Route Structure.</del></p> <p><del>Noted the conclusion, its relation to APANPIRG/8 Conclusion 8/2 and the need to continue the on-going efforts of the parties with the support of ICAO to implement the revised South China Sea ATS route structure.</del></p> | <del>The revised South China Sea ATS route structure was implemented on 1 November 2001.</del>                                                                                                                                                                                                                              | Completed |                                            |
| C 9/2                                    |                              | <p><b>Transition to WGS-84 in the ASIA/PAC Region</b></p> <p>That, in order to achieve uniformity in aeronautical data publication across the Regions, those States which have not yet determined and published WGS-84 data, urgently undertake to complete the task in the shortest possible time frame.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | States are reminded that CNS/ATM relies on WGS84 as the only datum that can be loaded into the FMS database and is fundamental to the implementation of RNP, GNSS, and ADS. ICAO Regional Office continues to undertake follow-up action with States concerned. The non-implementation of WGS-84 is listed as a Deficiency. | On-going  |                                            |

**APPENDIX A**

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|------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------|
| 9/6                                      | €                            | <p><del>Establishment of Area Control Service and 10 Minute Longitudinal Separation using Mach Number Technique</del></p> <p>That, States;</p> <p>a) <del>Identify ATS routes where the 10-minute longitudinal separation minima for RNAV equipped aircraft using MNT could be applied and subsequently implement such minima before the end of 1999.</del></p> <p>b) <del>Identify ATS routes where 10-minute longitudinal separation minima can be applied for RNAV equipped aircraft without using MNT.</del></p> <p>Noted the conclusion.</p> | <p><del>a) With respect to the application of MNT, an amendment proposal to the Regional Supplementary Procedures (Doc 7030) (APAC-S 00/5), which enables the application of the minimum longitudinal separation of 10-minute using MNT within the whole Asia-Pacific Region, was approved on 21 September 2001; and</del></p> <p>b) <del>Implementation subject to provisions of ICAO separation standards.</del></p> <p>*This Task is Superseded by C 10/4</p> | <p>Completed</p> <p>Completed</p> |                                            |
| C 9/8                                    |                              | <p><b>ATS Route Amendments</b></p> <p>It is reiterated that, States should provide information regarding implemented, re-aligned or deleted ATS routes to ICAO by 30 April of each year in order to permit the periodic update of the Document of ATS Route Network.</p>                                                                                                                                                                                                                                                                          | <p>Some information has been received. States were reminded of this Conclusion at ATS/AIS/SAR/SG/12. The Document of ATS Route Network has been revised and updated. Any changes to the RANP should be notified by the State through an Amendment Proposal.</p> <p>An ATS Route Network Review Task Force has been established by APANPIRG/14 and scheduled to meet in the 1<sup>st</sup> quarter of 2004</p>                                                    | On-going                          |                                            |
| C 9/9                                    |                              | <p><b>Human Factor in the Provision of ATS</b></p> <p>That,</p> <p>a) ICAO consider holding Human Factors seminars in the Asia/Pacific Region which are focused directly on Human Factors associated with the provision of ATS, and;</p> <p>b) States be urged to make regular presentations to Sub-</p>                                                                                                                                                                                                                                          | <p>a) The first ATS Human Factors Seminar was conducted in 2000.</p> <p>b) States are urged to provide information to ICAO on</p>                                                                                                                                                                                                                                                                                                                                | <p>On-going</p> <p>On-going</p>   |                                            |

| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Action by States/ICAO                                                                                                                                                                                                                                                     | Status   | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
|------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------|
|                                          | ANC                          | Group meetings regarding "lessons learned" relating to Human Factors associated with the implementation of the new CNS/ATM Systems.<br><br>Noted the conclusion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | lessons learned.                                                                                                                                                                                                                                                          |          |                                            |
| D 9/39                                   |                              | <p><b>CNS/ATM Training and Human Resource Development Task Force</b></p> <p>That, a CNS/ATM Training and Human Resource Development Task Force be established with the following Terms of Reference:</p> <ul style="list-style-type: none"> <li>a) Recommend a strategy for a regional approach towards planning the development and implementation of CNS/ATM training;</li> <li>b) Recommend a co-ordination mechanism for the establishment of regional training capabilities in CNS/ATM systems;</li> <li>c) Recommend a framework for regional training plans and consider the applicability of including this material in the Regional Air Navigation Plan;</li> <li>d) Take into consideration the work of ICAO TRAINAIR, the ICAO Regional Human Resources Planning and Training Needs Study Group and the APANPIRG/7 Training Task Force and recommend mechanisms for regional integration of the outputs from these groups.</li> </ul> | The Task Force held its first meeting in July 1999. A Regional CNS/ATM Training & Human Resource Development Strategy was developed. Further work may be progressed when the outputs of the ICAO Human Resource Planning and Training Needs Study Group become available. | On-going |                                            |

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| <b>Report Reference</b><br>-----<br><b>Conc/Dec No</b> | <b>Action by ANC/Council</b> | <b>Decision/Conclusion Title/ ANC/Council Action, if any</b>                                                                                                                                                                                                                                                                                                                                                                           | <b>Action by States/ICAO</b>                                                                                                                                     | <b>Status</b>                   | <b>Recommended Action by ATM/AIS/SAR/SG/14</b> |
|--------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------|
| C 9/51                                                 | C                            | <p><b>Strengthening the Regional Office Resources</b></p> <p>That, the ASIA/PAC Regional Office resources be strengthened to permit the proper maintenance of the ASIA/PAC FASID and implementation of uniform methodology for the identification of shortcomings, the first step being the filling of the vacant AIS/MAP post.</p> <p>Noted the conclusion and requested the Secretary General to take appropriate action thereon</p> | Secretary General has been requested to take appropriate action.                                                                                                 | On-going                        |                                                |
| C 10/2                                                 |                              | <p><b>Uniform Promulgation of FIR Boundary Way-points</b></p> <p>That, States review their aeronautical materials and that of their adjacent States and, through co-ordination with adjacent States, ensure uniform promulgation of FIR boundary way-points using WGS-84 as the basis of the Datum.</p>                                                                                                                                | ICAO continues to monitor situation and will co-ordinate with individual States where the uniform promulgation of FIR Boundary way-points has not been achieved. | On-going                        |                                                |
| C 10/3                                                 |                              | <p><b>ANP Amendment Proposal to include SIGMET in VOLMET Broadcasts (ASIA)</b></p> <p>That, the ASIA/PAC Air Navigation Plan (Doc 9673) be amended to add a requirement for inclusion of SIGMET in VOLMET broadcasts for the Asia Region.</p>                                                                                                                                                                                          | Amendment proposal APAC 99/9-ATS has been drafted and will be circulated to States and Organizations concerned.                                                  | On-going                        |                                                |
| C 10/4                                                 |                              | <p><b>Implementation of Area Control Service and 10-Minute Longitudinal Separation using Mach Number Technique in the Bay of Bengal area</b></p> <p>1) That, States in the Bay of Bengal area</p> <p>a) Complete the upgrade of airspace from advisory and flight information services to area control</p>                                                                                                                             | <p>1)</p> <p>a) <del>implemented;</del></p> <p>b) Implemented; and</p>                                                                                           | <p>Completed</p> <p>Ongoing</p> |                                                |



| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Status                                          | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
|------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------|
|                                          |                              | <p>service along ATS routes, as appropriate;</p> <p>b) complete the implementation of 10-minute longitudinal separation minima using Mach Number Technique; and</p> <p>c) identify ATS routes where 10-minute longitudinal separation minima for RNAV equipped aircraft without using MNT could be applied and implement such minima.</p> <p>2) That, Sub-regional ATS Co-ordination Groups concerned place a high priority on items 1) a), b) and c) above.</p>                                                                                                                                                          | <p>c) Implementation subject to provisions of ICAO separation standards.</p> <p>2) Implementation continues to be co-ordinated through the Bay of Bengal ATS Co-ordination Group (BBACG).</p>                                                                                                                                                                                                                                                                                                                                         | <p>On-going</p> <p>Ongoing</p>                  |                                            |
| C-10/7                                   | C                            | <p><del>Carriage of ACAS and Pressure-Altitude Reporting Transponders</del></p> <p>That,</p> <p>a) ICAO survey States in the Asia Pacific Region and ascertain the implementation plans of States regarding the carriage of ACAS and pressure-altitude reporting transponders with respect to APAC S 98/4 B ASIA/PAC RAC;</p> <p>b) Operators upgrade to ACAS as soon as possible.</p> <p>Noted the conclusion in relation to the worldwide implementation of ACAS II by January 2003 and requested the Secretary General to initiate a worldwide survey to ascertain the implementation plans of States for ACAS II.</p> | <p><del>a) ICAO conducted a survey on 22 October 1999, and information provided by States was compiled. In order to obtain additional and more specific information, ICAO conducted the 2nd survey in Aug 2000; and</del></p> <p><del>b) ATS/AIS/SAR SG recognized a need to establish a transition period to allow operators to use TCAS version 6.04 as an interim measurement before equipping their aircraft with ACAS II completely by 1 January 2002.</del></p> <p><del>* Superseded by Annex 6 provisions on ACAS II</del></p> | <p>Completed</p> <p>Completed</p>               |                                            |
| C-10/37                                  |                              | <p><b>Development of General Contingency Plans</b></p> <p>That, The Asia-Pacific Regional and State Y2K Contingency Plans and SLOAs or MOUs be used to form the basis on which to develop general contingency arrangements which will permit the continuation of air traffic in the event of any significant degradation of air traffic services and systems.</p>                                                                                                                                                                                                                                                         | <p><del>States have agreed to revise their general contingency plans using their Y2k State Contingency Plans as a model. A target date for finalization of State Contingency Plans to be the end of 2003.</del></p> <p><del>* Superseded by C12/6.</del></p>                                                                                                                                                                                                                                                                          | <p>To be completed by 2003</p> <p>Completed</p> |                                            |

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|------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|
| C 11/1                                   | ANC                          | <p><b>RVSM Minimum Monitoring Requirements</b></p> <p>That, ICAO be requested to develop globally applicable short and long-term RVSM minimum monitoring requirements for aircraft.</p> <p>Noted the conclusion and that SASP is studying the short- and long –term objectives for RVSM monitoring.</p> | The ICAO Separation and Airspace Safety Panel (SASP) is studying the short- and long-term objectives for RVSM monitoring.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | On-going  |                                            |
| <del>C 11/4</del>                        |                              | <p><del><b>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</b></del></p> <p><del>That, the revised Guidance Material on CNS/ATM Operations in the Asia/Pacific Region be adopted and circulated to States and appropriate International Organizations.</del></p>                     | <p><del>The Air Navigation Commission on reviewing the report of APANPIRG/11, was of the view that the revised edition of the document should not include material on the application of separation based on ADS until proposed amendments to the Procedures for Air Navigation Services – Rules of the Air and Air Traffic Services (PANS-RAC, Doc 4444), had been approved by ICAO.</del></p> <p><del>The revised Guidance Material on CNS/ATM Operations in the Asia/Pacific Region will be published in accordance with the guidance provided by the Air Navigation Commission, as soon as practicable.</del></p> <p><del>*This Task is superseded by Conclusions 12/38 and 12/39.</del></p> | Completed |                                            |
| C 11/6                                   |                              | <p><b>Mandatory Carriage and Operation of Pressure-Altitude Reporting Transponders</b></p> <p>That, States take immediate steps to mandate the carriage and operation of pressure-altitude reporting transponders within all FIRs in the Asia/Pacific Region.</p>                                       | <p>Two surveys have been conducted in conjunction with the survey relating to the carriage of ACAS II for the purpose of monitoring the implementation status in the Region.</p> <p>States, as a matter of urgency, to update the Regional Office on the status of implementation.</p>                                                                                                                                                                                                                                                                                                                                                                                                           | On-going  |                                            |

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| C-11/7                                   | E                            | <p><b>Implementation of ACAS II</b></p> <p>That States;</p> <p>a) promulgate their implementation plans mandating the carriage and operation of ACAS II; and</p> <p>a) where this is in advance of the globally agreed date of 1 January 2003, provide for the continuing use of TCAS with Version 6.04A logic with a transition plan to phase out systems with Version 6.04A logic by 1 January 2002.</p> <p>Noted the conclusion and requested the Secretary General to urge States to take action to mandate the carriage of ACAS II by the globally agreed date of 1 January 2003.</p> | <p>Two surveys have been conducted. The secretariat continues to monitor the implementation. The result was presented to APANPIRG in the ATS/AIS/SAR/SG/11 Report. Non-implementation of ACAS II after 1 January 2003 is to be identified as Deficiency.</p> <p>*Superseded by Annex 6 provision effective 1 January 2003</p> | 1 January 2003<br>Completed |                                            |
| C-11/8                                   |                              | <p><b>SAR Capability Matrix</b></p> <p>That,</p> <p>a) the "SAR Capability Matrix" be distributed to States for information and action as appropriate; and</p> <p>b) States provide information to ICAO by 30 April 2001 each year to permit the periodic update of the Matrix.</p>                                                                                                                                                                                                                                                                                                        | <p>a) The "SAR Capability Matrix" was distributed to States;</p> <p>b) Updated information to be presented at ATS/AIS/SAR/SG.</p>                                                                                                                                                                                             | Completed<br><br>Completed  |                                            |
| C 11/9                                   | C                            | <p><b>Search and Rescue Agreements between States and Establishment of a Search and Rescue Register</b></p> <p>That, States are to complete their SAR agreements with their neighbouring States and forward such agreements to the ICAO office to be included in a register on SAR Agreements.</p> <p>Noted the conclusion and requested the Secretary General to urge States to complete SAR agreements with their neighbouring States and forward such agreements to ICAO.</p>                                                                                                           | <p>States have been urged to complete their SAR agreements with their neighboring States. Information has been received from some ASEAN States on signed agreements with their neighbours.</p> <p>A registry of SAR agreements is maintained by the Regional Office and updated at the ATM/AIS/SAR/SG.</p>                    | On-going                    |                                            |

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| C-11/10                                  | ANC                          | <p><del>Development of a Revised ATS Route Structure – Asia to/from Europe/Middle East, South of the Himalayas (EMARSSH)</del></p> <p>That, taking into account the introduction of Required Navigation Performance (RNP), Area Navigation (RNAV) and Reduced Vertical Separation (RVSM) into the Asia Pacific region, States, ICAO and IATA develop a revised ATS route structure – Asia to/from Europe and the Middle East south of the Himalayas, to gain the benefits of existing aircraft capabilities together with CNS/ATM enhancements.</p> <p>Noted the conclusion and requested the Secretary General to organize an interregional coordination meeting to address interface issues to ensure end to end connectivity in the revised ATS route structure.</p> | <p><del>A Task Force was established, led by a Core Team. Seven sub-regional meetings have taken place. Phase 1 implementation involving Australia, Indonesia, Malaysia and Singapore took place on 29 November 2001. Further Task Force meetings are planned to complete the work. Implementation of the revised route structure is scheduled for AIRAC Date of 28 November 2002.</del></p> <p>Note: EMARSSH Project Implemented on 28 November 2002.</p> | <p><del>To be completed on 28 November 2002</del></p> <p>Completed</p> |                                            |

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| C-11/11                                  |                              | <p><b>Planning and Implementation Strategy</b></p> <p>That, to achieve the success of the project, the following Strategy will be used:</p> <p>a) <del>development of a set of principles for restructuring the routes;</del></p> <p>b) <del>development of a project plan;</del></p> <p>e) <del>form a small project or core team to initiate, develop and lead the project through to implementation;</del></p> <p>d) <del>plan a number of sub-regional meetings to progress the work; and</del></p> <p>e) <del>full co-ordination with adjacent regions with regard to the development of the route structure and procedures to be maintained.</del></p> | <p>a) <del>a set of Principles were adopted and agreed to;</del></p> <p>b) <del>a project plan has been formulated;</del></p> <p>e) <del>a Core Team was established consisting of Australia, Hong Kong, China, India, Singapore, IATA and ICAO as Chairman of the Core Team;</del></p> <p>d) <del>seven meetings have taken place. Further meetings, including a post-implementation review meeting, are planned; and</del></p> <p>e) <del>inter-regional coordination was conducted throughout the planning and implementation of this project.</del></p> | <p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Completed</p> |                                            |
| C-11/12                                  |                              | <p><b>Principles to be Used in the Development of the Route Network</b></p> <p>That, the following Principles will be used in developing this route structure:</p> <p>1. <del>that, using the advantages of CNS/ATM implementation, a revised ATS trunk route structure between Southeast Asia and Europe/Middle East will be developed. The planning of these routes structures should take advantage of existing and on-going CNS/ATM technologies in order to provide safe and efficient air traffic management with the least impact to environmental concerns;</del></p>                                                                                | <p>All 5 Principles are being considered in the development and implementation of the revised ATS route structure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>Completed</p>                                                                     |                                            |

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| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Status    | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
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|                                          |                              | <p>2. <del>that, these ATS trunk routes be developed primarily for international long haul and medium haul flights, however they may also be used where necessary for other regional and domestic operations;</del></p> <p>3. <del>that, as much as possible, planning of ATS trunk routes will be on the basis that each route is laterally separated from each other;</del></p> <p>4. <del>that, the development of these route structures will be fully co-ordinated amongst the involved Asia/Pacific ATS Providers and airlines. Also, due to the length of these trunk routes, harmonisation is required with both MID and EUR Regions; and</del></p> <p>5. <del>that co-operation is required between all concerned states and the aviation industry to ensure an efficient flow of international aircraft operations between Asia, Europe and the Middle East.</del></p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                            |
| C 12/1                                   |                              | <p><b>Observation of non-compliance of RVSM operational approval procedures</b></p> <p>That, States are urged to co-operate with APARMO to investigate RVSM approval status of operators and aircraft with the aim of resolving problems of RVSM non-compliant operations.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | States were urged to co-operate with APARMO in this regard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | On-going  |                                            |
| C 12/2                                   | ANC                          | <p><b>Implementation of RVSM in the Western Pacific/South China Sea area</b></p> <p>That, States are urged to continue their efforts to implement RVSM in the Western Pacific/South China Sea area in order to realize the foreseen benefits as early as possible.</p> <p>Noted the conclusion and was pleased to receive information that RVSM had been implemented successfully in this designated area effective from 21 February 2002.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>The implementation of RVSM in the Western Pacific/South China Sea area which took place at 1930 UTC on 21 February 2002 went smoothly. Phnom Penh, Kota Kinabalu/Kuala Lumpur, Manila, Singapore, Bangkok, Ho Chi Minh FIRs and Sanya AOR were involved in this implementation. RVSM Task Force has been progressing its tasks towards the next phase implementation in the remainder of Western Pacific/South China Sea area, more specifically in Hong Kong, Bali/Jakarta/Ujung Pandang, Vientiane, and Hanoi FIRs and</p> | Completed |                                            |

| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Status   | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
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|                                          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <del>Sanya AOR, on 31 October 2002, which will complete RVSM implementation in the Western Pacific/South China Sea area.</del>                                                                                                                                                                                                                                                                                                                                                                          |          |                                            |
| C 12/3                                   | ANC                          | <p><b>Implementation of RVSM in the Bay of Bengal area and beyond in conjunction with the planned implementation in the Middle East Region</b></p> <p>That, States are urged to implement RVSM in the Bay of Bengal area and beyond in conjunction with the planned implementation in the Middle East Region on 27 November 2003 in order to realize the end-to-end seamless RVSM operation between Asia/Middle East/Europe south of the Himalayas.</p> <p>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.</p> | <p>RVSM Task Force defined the airspace in which RVSM will be implemented on 27 November 2003, which includes Bangkok, Calcutta, Chennai, Colombo, Delhi, Dhaka, Jakarta, Karachi, Katmandu, Kuala Lumpur, Lahore, Male, Mumbai and Yangon FIRs. All States concerned have agreed to the implementation date of 27 November 2003. RVSM Task Force has been progressing its tasks towards the planned implementation in the Bay of Bengal and beyond.</p>                                                | On-going |                                            |
| C 12/4                                   |                              | <p><b>Inter-regional co-ordination between the Asia and Middle East Regions in relation to RVSM implementation</b></p> <p>That, ICAO facilitate inter-regional co-ordination between the Asia and Middle East Regions involving States concerned with the aim of joint harmonized implementation of RVSM.</p>                                                                                                                                                                                                                                                                                                                 | <p>The 1st Joint Interface Meeting of RVSM Task Forces between the Asia/Pacific and Middle East Regions involving India, Maldives and Pakistan from the Asia Region and Afghanistan, Islamic Republic of Iran, Oman, the United Arab Emirates (UAE) and Yemen from the Middle East Region, as well as IATA and IFALPA, was held in Abu Dhabi, UAE, from 19 to 20 October 2002.</p> <p>A final JCM meeting before implementation on 27 November 2003 is scheduled in Abu Dhabi on 27-28 August 2003.</p> | On-going |                                            |

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| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                                                                                                                             | Status    | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
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| C-12/5                                   | ANC                          | <p><b>Implementation of the EMARSSH project</b></p> <p>That, to gain benefits in terms of safety, efficiency and capacity enhancements that meet the objectives envisaged in the <i>Global Air Navigation Plan for CNS/ATM Systems</i> (Doc 9750), participant States and international organizations concerned are urged to make full commitment to the EMARSSH project to meet the implementation date of 28 November 2002.</p> <p>Noted the conclusion and requested the Secretary General to call upon participating States and international organizations to make a full commitment to this project.</p> | <p>Six EMARSSH Task Force meetings have taken place since APANPIRG/12. The revised ATS route structure has been agreed to by all States concerned and IATA. AIS documentation will be promulgated on AIRAC date of 5 September 2002 with an effective date for implementation of the revised route structure and subsequent deletion of some previous routes of 28 November 2002.</p>                                                                             | Completed |                                            |
| C 12/6                                   |                              | <p><b>Regional Contingency Planning Survey</b></p> <p>That, ICAO survey States in the Asia/Pacific Region to determine the status of contingency planning and the extent to which contingency plans are exchanged between neighbouring States.</p>                                                                                                                                                                                                                                                                                                                                                             | <p>A survey from States on the status of their National Contingency Plan arrangements has not been completed. Nevertheless, a framework for National Contingency Plans was presented to States at ATS/AIS/SAR/SG/12. States were encouraged to use this framework in developing their Plans in coordination with their neighbouring States.</p> <p>States had agreed under C10/37 to revise their Contingency Plans by 2003 and to update the Regional Office</p> | On-going  |                                            |
| C-12/7                                   | ANC                          | <p><b>Guidance Manual for Aeronautical Information Services in the Asia/Pacific Region</b></p> <p>That, the <i>Guidance Manual for Aeronautical Information Services in the Asia/Pacific Region</i> shown at Appendix G to the Report on Agenda Item 2.1 be published in accordance with the established procedures.</p> <p>Noted the conclusion and that the guidance manual would be published in accordance with established procedures.</p>                                                                                                                                                                | <p>The first edition of the Guidance Manual will be distributed to States in the Region shortly.</p>                                                                                                                                                                                                                                                                                                                                                              | Completed |                                            |



| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Status    | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
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| C-12/8                                   | C                            | <p><del>Special implementation project for an AIS seminar in 2002</del></p> <p>That, ICAO urgently consider a proposal for an Asia/Pacific Special Implementation Project to be established in order to hold an AIS Seminar in 2002 with the primary objective to improve AIS in relation to AIS automation and quality assurance programme.</p> <p>Noted the conclusion and that such a project would be put forward for the Council's approval through established procedures.</p>                                       | <p><del>ATS/AIS/SAR/SG AIS Automation Task Force developed a detailed programme of the Seminar. The AIS Seminar is planned in Bangkok in mid-December 2002.</del></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Completed |                                            |
| D-12/9                                   | ANC                          | <p><del>Development of lateral offset procedures for application in the Asia/Pacific Region</del></p> <p>That, as a matter of urgency, the ATS/AIS/SAR/SG develop lateral offset procedures for application in the Asia/Pacific Region, and in co-ordination with other regional planning groups and bodies concerned, develop global offset procedures.</p> <p>Noted the conclusion and that the development of lateral offset procedures for regional implementation should be in accordance with global guidelines.</p> | <p><del>ATS/AIS/SAR SG/12 meeting reviewed progress to develop regional and global lateral offset procedures. The meeting noted that APANPIRG/12, D12/9 had been overtaken by events and ICAO had revised the global guidelines and issued a State letter. Work is ongoing by SASP to develop further guidelines and global procedures are being progressed by ICAO HQ. At the regional level, ISPACG is considering implementing of 1 NM lateral offsets in the South Pacific Region in September 2002 and the results of this activity should be analysed before proceeding with a regional implementation programme. The meeting recommended that APANPIRG/13 D-12/9 is no longer relevant.</del></p> <p><del>Consideration should be given to conduct a study of States' requirements to implement lateral offsets and based on this information, to develop a coordinated approach to regional implementation.</del></p> <p><del>*Note: SASP is developing a 2 NM offset procedure which will have global application and D12/9 is overtaken by events. Also, C13/4 refers.</del></p> | Completed |                                            |

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| C 12/10                                  | C                            | <p><b>Special implementation project – International seminar and SAREX</b></p> <p>That, ICAO urgently consider a proposal for an Asia/Pacific Special Implementation Project to be established with the primary objective to improve search and rescue services, coordination and cooperation between States.</p> <p>Noted the conclusion and that such a project would be put forward for the Council's approval through established procedures.</p>                                                                                                                                                                                                                         | <p>Due to other priorities in the ATM field, it was decided to defer the Special Implementation Project on the International Seminar and SAREX to 2002. States will be approached regarding the hosting of this SAREX/Seminar. When this decision has been finalized, other States of the Bay of Bengal area will be invited to contribute to the conduct and organizational aspects of making this event a success.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | On-going  |                                            |
| <del>D 12/11</del>                       |                              | <p><b>ATS/AIS/SAR Subject/Task List</b></p> <p><del>That, the ATS/AIS/SAR Subject/Task List as contained in Appendix I to the Report on Agenda Item 2.1 be adopted as the current work assignment for the ATS/AIS/SAR Sub-Group replacing the current Subject/Task List as assigned by APANPIRG/11.</del></p>                                                                                                                                                                                                                                                                                                                                                                 | <p><del>ATS/AIS/SAR/SG/12 meeting reviewed and updated the Subject/Task List. This updated List is at Appendix A to the Report on Agenda Item 7. The meeting formulated the Draft Decision 12/9.</del></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Completed |                                            |
| C 12/38                                  |                              | <p><b>Revision and Publication of Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</b></p> <p>That,</p> <p>a) the <i>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</i>, Chapter 4, paragraph 6 on the application of separation using ADS be revised in line with the views of the Air Navigation Commission (157-2) on reviewing the report of APANPIRG/11 as follows:</p> <p><b>6. Application of procedural horizontal separation using ADS</b></p> <p>Aircraft position information obtained by ADS may be used for the application of procedural horizontal separation minima contained in the PANS-RAC (Doc 4444), Part III.</p> | <p><del>Events have overtaken this Conclusion. The ANC (159-7) on agreeing to Amendment 1 to PANS-ATM (applicability date 28 November 2002), also agreed that the Asia/Pacific Guidance Material should be reviewed to ensure it was in accordance with the procedures contained in PANS-ATM. Accordingly, a comprehensive technical review was carried out by ANB and revealed significant differences with PANS-ATM, therefore it will be necessary to revise the Guidance Material. Also, the HQ review noted that informal ATS coordinating groups also publish similar guidance material and there is a need to consider whether a proliferation of such documents is necessary, particular in terms of promoting uniform application of ATS data link applications and supporting transparency between ICAO regions.</del></p> <p>A Task Force was established by APANPIRG/14 to revise the</p> | On-going  |                                            |

| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                                       | Status    | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
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|                                          |                              | <p>Area Control Service where aircraft position reports are necessary to apply the appropriate separation minimum.</p> <p><i>Note: - ICAO is processing amendments to the PANS-RAC to include procedures for the provision of ADS services for air traffic control with an applicability date in November 2002.</i></p> <p>b) the revised <i>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</i> be published by ICAO as soon as practicable</p>                                                                                                                                                                                                                      | <p>APAC Guidance Material Guidance and coordinate with IPACG and ISPACG with a view to harmonize the Pacific Operations Manual.</p> <p>A Task Force meeting is scheduled 2-3 October 2003 in Honolulu to coincide with the IPACG/ISPACG/FIT meeting.</p> <p><i>Note: This Task is on the work programme of the ATS/AIS/SAR/SG and will be progressed with priority.</i></p> |           |                                            |
| D 12/39                                  |                              | <p><b>Development of guidance material on the use of ADS for the application of separation</b></p> <p>That, the CNS/ATM/IC/SG review the provisions in the PANS-ATM, Part XII (Doc 4444) on ADS services, and develop guidance material on the use of ADS for the application of separation to be included in the <i>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</i> as appropriate.</p>                                                                                                                                                                                                                                                                          | <p>In light of Amendment 1 to PANS-ATM and the review by ANB of the <i>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</i>, work on this item has not been progressed and needs to be taken into account in the overall review of this Guidance Material.</p>                                                                                            | On-going  |                                            |
| D-12/41                                  | ANC                          | <p><del>Establishment of a Target Level of Safety for the Asia/Pacific Region</del></p> <p>That, a target level of safety of <math>5 \times 10^{-9}</math> fatal accidents per flight hour per dimension be established for en-route systems in the Asia/Pacific Region where a TLS is required for implementation of separation minima.</p> <p>Noted that APANPIRG had established, by a regional agreement and in accordance with ICAO provisions, a target level of safety (TLS) of <math>5 \times 10^{-9}</math> fatal accidents per flight hour per dimension for en-route systems in the Asia/Pacific Regions, where a TLS is required for implementation of separation minima</p> | <p><del>A target level of safety of <math>5 \times 10^{-9}</math> fatal accidents per flight hour per dimension was adopted for en-route systems in the Asia/Pacific Region.</del></p>                                                                                                                                                                                      | Completed |                                            |

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| C-12/43                                  | ANC                          | <p><del>Provision of ICAO guidance material on the establishment of airspace safety arrangements</del></p> <p>That, as matter of urgency, ICAO develop guidance material for States to establish safety management arrangements in accordance with Annex 11 and PANS-ATM provisions on airspace safety management applicable on 1 November 2001.</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>                                                                                                                                                                    | <p>ICAO is preparing a global guidance material.</p> <p>Note: ICAO has completed guidance material to be presented to the AN-Conference /11 and this Task is no longer required.</p>                                                                                                                                                                                                                        | Completed |                                            |
| D-12/44                                  | ANC                          | <p><del>Establishment of a task force to develop an airspace safety system performance monitoring structure for the Asia/Pacific Regions</del></p> <p>That, a Task Force be established reporting to APANPIRG to develop an airspace safety system performance monitoring structure and funding mechanism for the Asia/Pacific Region in accordance with ICAO provisions. The composition, guiding principles and Terms of Reference of the Task Force are as shown in the Appendix B to the Report on Agenda Item 3.</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> | <p>The APASM TF held three meetings and one working group meeting in Bangkok since APANPIRG/12 and prepared a business plan recommending the establishment of a Regional Airspace Safety Monitoring Agency (RASMA) for the Asia/Pacific Region, which will be presented in a working paper to APANPIRG/13.</p> <p>Note: The APASM/TF continued its work and will present a final report to APANPIRG/14.</p> | Completed |                                            |
| C-12/45                                  |                              | <p><del>Key Priorities for CNS/ATM Implementation</del></p> <p>That, the updated key priorities for CNS/ATM implementation at Appendix E to the Report on Agenda Item 3 be adopted.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>The Key Priorities for CNS/ATM Implementation were reviewed at CNS/ATM/IC/SG/9 as well as at ATS/AIS/SAR/SG/12.</p>                                                                                                                                                                                                                                                                                      | Completed |                                            |
| D-12/46                                  |                              | <p><del>Amendment to the Terms of Reference of the CNS/ATM/IC/SG</del></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>The Terms of Reference of the CNS/ATM/IC/SG were</p>                                                                                                                                                                                                                                                                                                                                                     | Completed |                                            |

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|                                          |                              | <del>That, the CNS/ATM/IC/SG should continue as an active Sub-Group of APANPIRG and the revised Terms of Reference be adopted as shown in Appendix F to the report on Agenda Item 3.</del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | reviewed at APANPIRG/12.                                                                                                                                                                                                |                                                                                    |                                            |
| D 12/47                                  |                              | <p><b>Follow-up actions on the Conclusions of ALLPIRG/4 Meeting</b></p> <p>That, the following conclusions of ALLPIRG/4 meeting be addressed by the relevant sub-groups as part of their work programme and report its outcome.</p> <p>Conclusions 4/1, 4/2, 4/8 and 4/13- CNS/ATM IC SG<br/> Conclusions 4/3 and 4/7- ATS/AIS/SAR SG<br/> Conclusions 4/3 - CNS/MET SG<br/> Conclusions 4/10 and 4/11- All Subgroups</p> <p><del>Conclusion 4/1 — A general framework and terms of reference for interregional coordination meetings</del></p> <p><del>That the Council agree to adopt a general framework and terms of reference for interregional coordination meetings (IRCMs) as set out in Appendices A and B to the report on Agenda Item 2.</del></p> <p><del>Conclusion 4/2 — Interregional meetings specifically dedicated to interface areas</del></p> <p><del>That ICAO convene interregional meetings, as and when required, to address the specifically focused interface problems and other issues of neighbouring States and/or neighbouring regions as a whole.</del></p> <p>Conclusion 4/3 - Increased emphasis on addressing interregional issues and missing elements</p> <p>That, with a view to facilitating interregional planning and the harmonization of air navigation systems, ICAO</p> | <p>Both CNS/ATM/IC/SG and ATS/AIS/SAR/SG noted the results of ALLPIRG/4 Conclusions. Action already in hand as part of the work programme of the Sub-Groups. Further follow-up action will be taken as appropriate.</p> | <p>On Going</p> <p>Completed</p> <p>Completed</p> <p>On-going</p> <p>Completed</p> |                                            |

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|                                          |                              | <p>and the CNS/ATM partners put more emphasis on the addressing of interregional issues and the missing elements as outlined in Appendix C to the report on Agenda Item 2.</p> <p><del>Conclusion 4/7 — Adoption of a uniform format for the reporting of WGS 84 implementation</del></p> <p><del>That the table available at Appendix D to the report on Agenda Item 2 be adopted as a uniform format for the reporting of WGS 84 implementation by PIRGs and States.</del></p> <p><del>Conclusion 4/8 — Environmental benefits of CNS/ATM systems</del></p> <p><del>That:</del></p> <p><del>a) ICAO Regional Offices and PIRGs support ICAO/CAEP efforts to expand the methodology for the quantification of CNS/ATM environmental benefits to each region by collecting data, as necessary;</del></p> <p><del>b) ICAO/CAEP continue its work on the expansion of the methodology for the assessment of the environmental benefits associated with the implementation of CNS/ATM systems to the various regions; and</del></p> <p><del>c) ICAO proceeds with the revision of the methodology for inclusion in the <i>Global Air Navigation Plan for CNS/ATM Systems</i> (Doc 9750) at the earliest opportunity.</del></p> <p><del>Conclusion 4/10 — Reporting of shortcomings and deficiencies</del></p> <p><del>That where a State, by virtue of Article 38, has notified</del></p> | <p><del>Conclusion 4/8: CNS/ATM/IC/SG/9 considered the advantages of establishing a Working Group to develop a position paper regarding environment benefits of CNS/ATM systems for consideration at the next CNS/ATM/IC/SG meeting. The Secretariat recommended that the Working Group's first priority should be the development of Terms of Reference for an environmental Task Force. Australia, Japan, New Zealand and the United States of America agreed to participate in the Working Group. Input would be sought from other States and Organizations. To save on cost, it was suggested that the coordination could be achieved by e mail and, if necessary, conference telephone facilities.</del></p> <p><del>It was further proposed that a dedicated area on the ICAO Asia/Pacific web site be established, where States and Organizations could post environmental papers and related materials.</del></p> | <p><del>Closed</del><br/><del>Note: Being addressed by ICAOHQ</del></p> <p><del>Completed</del><br/><del>Being addressed by HQ</del></p> <p><del>Completed</del></p> |                                            |

| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Action by States/ICAO | Status                                                          | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
|------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|--------------------------------------------|
|                                          |                              | <p><del>ICAO of a difference to Standards and Recommended Practices governing the actual provision of facilities and services listed in an air navigation plan, the non-implementation of a facility or service, in the context of the uniform methodology for the identification and reporting of air navigation shortcomings and deficiencies, should not be reported as either a shortcoming or a deficiency when it has no negative impact on safety, regularity and/or efficiency.</del></p> <p>Conclusion 4/11 - Single definition</p> <p>That ICAO be invited to refine the following single definition of a shortcoming/deficiency with a view to its incorporation into the uniform methodology for the identification and reporting of air navigation shortcomings and deficiencies:</p> <p>“A <i>deficiency</i> is a situation where a facility, service or a procedure is not provided in accordance with ICAO Standards and Recommended Practices which has a negative impact on the safety, regularity and/or efficiency of international civil aviation”.</p> <p>Conclusion 4/13 – Database developments</p> <p>That ICAO:</p> <ul style="list-style-type: none"> <li>a) <del>post promptly all tabular material from all regional air navigation plans relating to facilities and services to an ICAO controlled web site in a simple PDF format;</del></li> <li>b) <del>invite CNS/ATM partners to post their relevant planning material on the web site referred to in a) above;</del></li> <li>c) <del>provide appropriate free access to relevant ICAO Headquarters’ Sections, Regional Offices, PIRGs and participating CNS/ATM partners;</del></li> </ul> |                       | <p>Closed</p> <p>Note: <del>Being developed by ICAOHQ</del></p> |                                            |

**APPENDIX A**

| Report Reference<br>-----<br>Conc/Dec No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                      | Action by States/ICAO | Status | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
|------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------|--------------------------------------------|
|                                          |                              | <p>d) <del>maintain the currency of this database, <i>inter alia</i>, to take account of amendments made to hard copy ANPs;</del></p> <p>e) <del>with the assistance of PIRGs and interested CNS/ATM partners, refine and develop the database, as a matter of urgency, to provide access and functionality commensurate with its use as a planning tool and in line with ICAO sale of publications</del></p> |                       |        |                                            |



**Appendix B – List of relevant Conclusions/Decisions in ATM/AIS/SAR Fields from APANPIRG/14**

| Report Reference<br>-----<br>Conc/Dec No | Action by ANC/Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                               | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Status | Recommended Action by ATM/AIS/SAR/SG/14                                                                                                                                                                                                                                        |
|------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C14/1                                    | ANC                   | <p><b>Review of the ICAO flight plan to include aircraft RNP type approval status</b></p> <p>That, in light of the requirements of some States for a detailed knowledge of the RNP type approval status of aircraft, ICAO be requested to review current flight planning equipment suffix provisions and revise the ICAO Flight Plan accordingly.</p> <p>Noted the conclusion and that it had already agreed to the establishment of a study group to address this issue.</p>          | Study Group has been established by ICAO Headquarters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CLOSED | Nil, action is being undertaken by ICAO Headquarters.                                                                                                                                                                                                                          |
| C14/2                                    |                       | <p><b>Revision of the <i>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</i></b></p> <p>That, as a matter of priority, and in line with the review by ICAO at the request of the Air Navigation Commission, a Task Force be established to revise the <i>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</i>, in coordination with States responsible for the Pacific Operations Manual (POM) with the intent of harmonizing both documents.</p> | <p>The 'Review of the Guidance Material on CNS/ATM Operations in the Asia and Pacific Region' Task Force met in Honolulu (Hawaii) in October 2003, conducted an extensive review of the Guidance Material and prepared a revision that was harmonised with the POM. The revision addressed comments raised during the ICAO Headquarters analysis of the material. In line with ICAO's wish to see common operating procedures for data link applications, the POM document was re-titled FANS 1/A Operations Manual (FOM) and amended for global applicability. Version 1 of the FOM is current, issued effective March 2004.</p> <p>Work is still to be undertaken by the Regional Office to fully incorporate the FOM into the <i>Guidance Material</i>.</p> | OPEN   | <p>Regional Office to complete the harmonisation of the FOM with the <i>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</i>.</p> <p>Regional Office to coordinate with Headquarters for endorsement and publishing of revised <i>Guidance Material</i>.</p> |

**APPENDIX B**

| <b>Report Reference<br/>-----<br/>Conc/Dec<br/>No</b> | <b>Action<br/>by<br/>ANC/<br/>Council</b> | <b>Decision/Conclusion Title/<br/>ANC/Council Action, if any</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Action by States/ICAO</b>                                                                                                                                                                                                                                     | <b>Status</b> | <b>Recommended Action by<br/>ATM/AIS/SAR/SG/14</b>                                                                                         |
|-------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| C14/4                                                 |                                           | <p><b>Circulation of amendment proposal APAC 99/9-ATS (Sigmet in Volmet) to the APAC ANP (Doc 9673)</b></p> <p>That, the Asia/Pacific Regional Office circulates the amendment proposal APAC 99/9-ATS to the Asia/Pacific ANP (Doc 9673) to States and international organizations.</p>                                                                                                                                                                                                                                                                                                                      | Circulated by Regional Office on 20 May 2004, comments by 30 June 2004.                                                                                                                                                                                          | OPEN          |                                                                                                                                            |
| C14/5                                                 |                                           | <p><b>ATS Route Network Review Task Force (ARNR/TF)</b></p> <p>That, a Task Force comprising representatives from States and appropriate International Organizations be formed to review the ATS route network for the Asia/Pacific Region with draft Terms of Reference as shown in <b>Appendix B</b> to the Report on Agenda Item 2.1.</p>                                                                                                                                                                                                                                                                 | <p>The first meeting of the ARNR/TF has been scheduled for early September 2004.</p> <p>Existing Deficiencies relating to routes will be addressed by the TF.</p>                                                                                                | OPEN          | States to identify routes and issues related to routes to be considered/ addressed by the ARNR/TF.                                         |
| C14/6                                                 | ANC                                       | <p><b>Implementation of ACAS II and pressure-altitude reporting transponders in the Asia Pacific Region</b></p> <p>That, States in the Asia/Pacific Region as a matter of urgency implement ACAS II and pressure-altitude reporting transponders required by Annex 6 especially in view of RVSM operations.</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> | ICAO State Letter AN 11/6.1-04/31 issued on 30 April 2004 proposing amendment to Annex 6 to increase requirement for carriage of ACAS II and associated training requirements for pilots. Comments on the proposal required to reach Montreal by 13 August 2004. | OPEN          | <p>Global action is being undertaken by ICAO Headquarters.</p> <p>States to update Regional Office with status of ACAS implementation.</p> |

| Report Reference<br>-----<br>Conc/Dec<br>No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Action by States/ICAO                                                                                                                                                                                                                                                                                    | Status | Recommended Action by<br>ATM/AIS/SAR/SG/14                                                                                                                                                                                            |
|---------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C14/7                                       |                              | <p><b>Implementation of a 2 NM lateral offset procedure</b></p> <p>That, subject to the ICAO guidelines being revised, States should develop a 2 NM lateral offset procedure to be implemented in all relevant airspace in the Asia/Pacific Region, and the Regional Supplementary Procedures amended as appropriate. This procedure to be harmonized with other regions to ensure uniform application globally.</p>                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>SASP's work to provide global procedures for the 2 NM offset is well advanced and the ICAO guidelines are expected to be revised accordingly in the near term. Following the issue of revised guidelines by ICAO, States would have standardized procedures available to implement a 2 NM offset.</p> | OPEN   | <p>When revised guidelines become available, these procedures would need to be promulgated in State AIPs for the routes and airspace where offsets had been authorized as required by Annex 2 (Chapter 3, para 3.6.2.1.1 refers).</p> |
| C14/9                                       |                              | <p><b>AIRAC provisions</b></p> <p>That, ICAO be requested to again reinforce to States the critical safety nature of AIS and adherence to Annex 15 provisions, particular those relating to AIRAC, as well as the need to ensuring accurate and timely publication of AIS data.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>Timelines for the dissemination of changes to AIS are already included in ICAO documentation.</p> <p>Refer this matter to the AIS Implementation Task Force (AI/TF) for study.</p>                                                                                                                    | OPEN   | <p>Refer to AITF to undertake survey of State documentation including AIP to ascertain whether timelines for distribution of AIS changes are being met</p>                                                                            |
| C14/45                                      | C                            | <p><b>Fostering of exchanges between MET and ATM</b></p> <p>a) the MET Authorities/Providers of the States, be encouraged to continually assess with the corresponding ATM authorities the requirements for MET information with the aim of developing new products/information to support the ATM, bearing in mind the potential costs and benefits involved; and</p> <p>b) ICAO be invited, in coordination with WMO, to organize a MET/ATM coordination seminar in ASIA/PAC Region in 2004, to foster the exchanges between the MET and ATM experts in order to facilitate further development of the MET component of the CNS/ATM systems in the ASIA/PAC Region.</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> |                                                                                                                                                                                                                                                                                                          | OPEN   | <p>Seminar to be scheduled during 2005.</p>                                                                                                                                                                                           |

**APPENDIX B**

| Report Reference<br>-----<br>Conc/Dec<br>No | Action by<br>ANC/<br>Council | Decision/Conclusion Title/<br>ANC/Council Action, if any                                                                                                                                                                                                                                                                                                                                   | Action by States/ICAO                                                                                                                                                                                                                                                                                                                                                                   | Status | Recommended Action by<br>ATM/AIS/SAR/SG/14 |
|---------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------|
| C14/53                                      | C                            | <p><b>Filling up key vacant posts in the ASIA/PAC Regional Office</b></p> <p>That, the ASIA/PAC Regional Office resources be strengthened by filling up the ATM and AIS/MAP vacant positions.</p> <p>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.</p> | <p>In addition to the existing P-4 ATM Regional Officer, two new ATM Regional Officers now on station:</p> <ul style="list-style-type: none"> <li>• P-4 commenced 26 April, 2004 and</li> <li>• P-3 commenced 7 June, 2004.</li> </ul> <p>The new Regional Officers will reach full effectiveness over the next few months.</p> <p>AIS/MAP position is retained but not yet filled.</p> | CLOSED | Nil.                                       |