**SELECT CONCLUSIONS/DECISIONS OF GREPECAS/16**

**— ACTION PLAN —**

| **Concl/Dec**  **No.**  **---**  **Strategic**  **Objective\*** | **Title of Conclusion** | **Text of Conclusion** | **Responsibility** | **Deliverable** | **Action Recommended to ANC** | **Reporting/ Completion date** |
| --- | --- | --- | --- | --- | --- | --- |
| **Paragraph**  **1.1.2**  **+ associated paragraph**  **3.5.20**  **A** | **Safety assessment methodology** | The Meeting agreed that there is a need for ICAO to study the safety assessment methodology using qualitative methods, and that operational errors should be assessed using safety management systems (SMS). | ICAO HQ  CAR/SAM States/ territories | Study on safety  assessment methodology using qualitative methods.  Assessment of operational errors using SMS. | Agreed with the need for ICAO to study the use of qualitative as well as quantitative methods such as those used in safety management systems (SMS). It was also agreed that these matters should be referred to SASP. | December 2013  December 2012 |
| **D 16/3**  **A** | **Coordination between**  **GREPECAS and RASG-PA** | That the Secretariat develop, for consideration by GREPECAS:  a) a coordination mechanism to avoid duplication of efforts between GREPECAS and RASG-PA; and  b) a procedure whereby one group may propose actions to the other group. | GREPECAS  Secretary/ ICAO Mexico Office | Coordination mechanism  Procedure | Noted and called upon the Secretariat to ensure coordination between both groups. | January 2012  January 2012 |
| **C 16/4**  **A, C** | **Support for the completion of project RLA/03/902 SACCSA**  **studies and participation in the test-bed implementation** | In view of the first results obtained by the SACCSA Project – Phase III-A and its contribution to the implementation of PBN, and in order to support the completion of this Project, CAR/SAM States/territories/international organizations are urged to:  a) facilitate/coordinate with their corresponding national authorities access and provision of data to the SACCSA Project from networks with 1-second GPS receiving stations with FTP or NTRIP access and RINEX files; and  b) take into consideration the objectives indicated in Appendix B to Agenda Item 2 of the report of the CNS/ATM/SG/2 Meeting, consider participation in the SACCSA-SBAS test-bed implementation by notifying ICAO Regional Offices by **30 June 2011.** | CAR/SAM States/ territories/ international organizations | Access and provision of data to SACCSA project.  Participation in SACCSA-SBAS test-bed implementation | Noted. | January 2012  30 June 2011 |
| **C 16/5**  **A** | **CNS/ATM fields training programme for the competency of aeronautical professionals for the CAR/SAM Regions** | That to train aeronautical professionals with regard to necessary competencies, CAR/SAM States/territories/ international organizations:  a) follow-up and take into consideration the recommendations of the Symposium on Next Generation Aeronautical Professionals (NGAP) and the results of the NGAP Task Force;  b) in coordination with the ICAO regional offices, establish a training programme that responds to the performance objectives identified in the CAR and SAM Regions performance-based implementation plans for the 2012-2016 period; and  c) inform the ICAO regional offices on the progress made in the development of this programme, by 30 September 2011. | CAR/SAM  States/territories/ international organizations | Follow-up results of NGAP Symposium and Task Force  Training programme  Inform on progress | Noted. | 30 September 2011  30 September 2011  30 September 2011 |
| **C 16/6**  **+ associated C 16/7**  **C** | **Migration from ISCS-G2 to WIFS** | That, taking into consideration the proposed migration from ISCS-G2 to WIFS, ICAO encourage States to take appropriate measures to obtain access using the WIFS to the WAFS products provided by WAFC Washington. | CAR/SAM  States/territories/ international organizations | Migration to WIFS | Noted. | March 2012 |
| **C 16/8**  **C** | **WIFS User Guide** | That:  a) the WAFC Washington Provider State be invited to consider the possibility of providing the WIFS User Guide also in Spanish; and  b) if the request in paragraph a) is not possible, ICAO take the necessary action for the translation of the referred guide. | ICAO HQ  ICAO Regional Offices Lima and Mexico | WIFS User Guide in Spanish | Noted. | December 2012 |
| **C 16/9**  **A** | **Guide on the**  **international airways volcano watch (IAVW)** | That the Secretariat develop regional guidance in Spanish to explain the contents of Doc 9766, *Handbook on the International Airways Volcano Watch (IAVW) – Operational Procedures and Contact List*. | ICAO Regional  Offices Lima and  Mexico | Regional guidance in  Spanish | Noted. | December 2011 |
| **C 16/12**  **C** | **Back-up MWOs in the CAR/SAM States** | That:  a) in order to comply with paragraph 14 of ANP Basic, Part VI – MET, if a MWO is temporarily not functioning another could assume its obligations; the back-up list included as Appendix B to WP/08 to this part of the report should be taken into account;  b) the Secretariat make the necessary updates to CAR/SAM Regional SIGMET Guide | CAR/SAM States/territories/ international organizations  ICAO Regional offices Lima and Mexico | Assume temporarily MWO obligations  Update CAR/SAM Regional SIGMET Guide. | Noted. | December 2011 |
| **C 16/15**  **C** | **CAR/SAM guide for OPMET exchange** | That in order to enable the application of ICAO procedures for OPMET information exchange, the States use the CAR/SAM Guide for OPMET Exchange included in Appendix C to WP/08 to this part of the report. | CAR/SAM States/territories/ international organizations | Application of procedures for OPMET information exchange. | Noted. | July 2011 |
| **C 16/18**  **C** | **CAR/SAM MET regional performance objectives** | That the CAR/SAM MET Regional Performance Objectives and associated performance framework forms as contained in Appendix E to WP/8 of this meeting are adopted. | CAR/SAM States/territories/ international organizations | CAR/SAM MET Regional Performance Objectives | Noted. | December 2011 |
| **C 16/19**  **C** | **ATM/MET seminar/workshop** | That in order to develop a list of possible MET requirements in support of ATM for the CAR/SAM Regions, ICAO, in coordination with WMO, conduct a seminar/workshop for the CAR/SAM Regions. | ICAO Regional Offices Lima and Mexico | ICAO/WMO seminar/workshop | Noted and invited the Secretary General to request support for the organization of the seminar/workshop from WMO. | December 2012 |
| **C 16/22**  **A** | **Workshops on State safety programme and safety management system (SSP and SMS) courses** | That the ICAO NACC and SAM Regional Offices organize workshops on the implementation of the SSP by States and SMS for aerodrome operators during 2010. | ICAO Regional Offices Lima and Mexico | SSP and SMS workshops | Noted. | December 2012 |
| **C 16/23**  **A** | **Best practices to**  **prevent runway incursions and runway excursions** | That States submit to NACC and SAM Regional Offices:  a) a report on best practices used to prevent runway incursions/ excursions at airports;  b) that this report be submitted no later than 30 March 2010. | CAR/SAM States/territories/ international organizations | Report on best practices to prevent runway incursions/excursion at airports. | Noted the request made by GREPECAS to States and called upon the Secretariat to obtain a copy of these reports. | Completed |
| **C 16/24**  **A** | **Harmonization of**  **taxiway designation** | That ICAO consider the development and provision of guidelines on the harmonization of taxiway designation in order to reduce operator confusion and to minimize runway incursions. | ICAO HQ | Guidelines on the harmonization of taxiway designation | Supported the development and provision of guidelines by ICAO and requested the Secretariat to include this matter in the work programme of the Aerodromes Panel. | December 2013 |
| **C 16/25**  **C** | **Plan for the**  **implementation of principles on human factors for AIM** | That States/territories/international organizations, in support of GREPECAS Conclusion 15/30 *―Guide for the application of principles on human factors in AIS/MAP‖*, adopt the *―Plan for the implementation of principles on human factors for AIM‖*. | CAR/SAM States/territories/ international organizations | Adoption of plan of principles on human factors for AIM | Noted. | December 2012 |
| **C 16/26**  **C** | **Approval of updates to the guidance manual for the implementation of a quality management system oriented to the aeronautical information management (AIM)** | That States/territories/international organizations, approve the revisions to the Guidance Manual for the Implementation of a Quality Management System considering the transition from AIS to the Aeronautical Information Management (AIM). | CAR/SAM States/territories/ international organizations | Revisions to guidance manual for implementation of a quality management system | Noted. | January 2012 |
| **C 16/29**  **C** | **Reference for the**  **development of training programmes in technical English language for AIS/MAP personnel in CAR/SAM States** | That CAR/SAM States, territories and international organizations consider Doc 9835 AN/453 – *Manual on the Implementation of ICAO Language Proficiency Requirements*, as a reference when formulating their training programmes in the English language, adapting it as necessary based on the performance requirements for AIS personnel, in support to the ATM Operational Global Plan. | CAR/SAM States/territories/ international organizations | Training programmes in the English language for AIS personnel | While discussing Conclusion 16/29, the WG/SRP agreed that these training programmes should be developed, not only for AIS/MAP, but for all personnel if appropriate to their job. | December 2011 |
| **C 16/30**  **C** | **Roadmap for the transition from AIS to AIM** | That CAR/SAM States and territories:  a) consider the guidelines, steps and timeline for the Transition from AIS to AIM presented in the ―Roadmap for the transition from AIS to AIM;  b) inform the corresponding ICAO Regional Office progress and/or difficulties on the implementation of SARPs associated to the implementation guide, not later than 5 May 2010;  c) develop the corresponding AIM air navigation regional plans with the related PFFs and with the Regional Plans as a reference, according to GREPECAS conclusion 15/1 in its paragraphs a) and b), and in the AIM Roadmap; and  d) inform to the ICAO CAR/SAM Regional Offices on the progress of the implementation requested in the above paragraph, no later than 29 October 2010. | CAR/SAM States/territories/ international organizations | Transition from AIS  to AIM  Implementation of SARPs for transition from AIS to AIM  AIM air navigation regional plans with related PFFs  Report progress of implementation | Noted. | January 2012  December 2011  January 2012  December 2011 |
| **C 16/31**  **C** | **Availability of documentation in Spanish** | That the need to give priority, to the extent possible, to translating into Spanish the texts that are available only in English and that are of crucial importance for complying with ICAO SARPs, be proposed to ICAO with a view to achieving the AIS-AIM transition. | ICAO HQ | Text in Spanish of guidance material for AIS-AIM transition | Noted. | December 2012 |
| **C 16/32**  **C** | **General guidance for the implementation of a GIS system in AIM** | GREPECAS approves as vital importance to support ICAO SARPs, the application of the General Guidance for the Implementation of a GIS System in AIM, towards achieving the transition from AIS to AIM in the States, Territories and International Organizations of the CAR/SAM Regions. | CAR/SAM States/territories/ international organizations | Apply general guidance for implementation of a GIS system in AIM | Noted. | December 2012 |
| **C 16/33**  **A, C** | **Adoption of performance monitoring and measurement programme for the CAR/SAM regions** | Considering the importance to  monitor and measure the achievement of the performance objectives defined for the CAR/SAM Regions, that States, Territories and International Organizations of CAR/SAM Regions:  a) adopt the set of metrics related to key performance areas of access, capacity, cost effectiveness, efficiency, environment, flexibility, predictability and safety; described in Appendix A of this part of the report, to monitor and measure the implementation advances of the regional performance objectives;  b) incorporate these metrics into their performance monitoring programmes, collect relevant data and submit to the ICAO Lima and Mexico regional offices on a regular basis;  c) coordinate with ATM community members to promote information and data collection; and  d) inform ICAO Regional Offices of their advances by 30 November 2010. | CAR/SAM States/territories/ international organizations | Adoption of a performance monitoring and measurement programme | Noted. | Completed |
| **C 16/35**  **A&C** | **Adoption of the**  **CAR/SAM ATFM Manual** | That considering the importance to harmonize the implementation of ATFM in the CAR/SAM Regions, the States, territories and international organizations of the CAR/SAM Regions adopt the ATFM Manual shown in Appendix A to the report of the CNS/ATM/SG/1 Meeting. | CAR/SAM States/territories/ international organizations | Adopt CAR/SAM ATFM Manual | Noted and complimented GREPECAS for the adoption of the CAR/SAM ATFM Manual to harmonize the implementation of ATFM in CAR/SAM regions. | Completed |
| **C 16/37**  **C** | **Proposed routing scheme for IPv4 for inter and intra**  **regional communications links for ATN ground to ground applications** | That the CAR/SAM Regions use the IPv4 routing scheme for inter and intra regional communications links in ATN ground to ground applications for described in Appendix E to the report of the CNS/ATM/SG/1 Meeting. | CAR/SAM States/territories/ international organizations | Use of the IPv4 routing scheme for CAR/SAM inter-and intra-regional communications links | Noted. | Completed |
| **C 16/38**  **C** | **Improvements to the activities referred in ADS-B trials** | That States/territories/international organizations who are carrying out ADS-B trials are urged to:  a) continue with the data collection and analysis, in accordance with GREPECAS guidelines (GREPECAS/15 Report, Appendix Q);  b) search for the Exchange of data between States, particularly with regard to coverage superposition and analysis criteria;  c) solve, with the respective airspace users, the duplicate or illegal 24-bit Address cases identified, and inform in this respect to the ICAO Regional Offices;  d) inform airspace users on any anomaly in the received ADS-B messages, in preparation of future ADS-B implementation; and  e) duly inform the ICAO Regional Offices on the trial results, for their publication. | CAR/SAM States/territories/ international organizations | Improvement in activities related to ADS-B trials | Noted. | December 2012 |
| **C 16/39**  **A, C** | **Implementation of**  **the new flight plan format in the CAR/SAM Regions** | That considering the importance of the implementation of Amendment 1 to the fifteenth edition of Doc 4444, whose application is foreseen for  2012, CAR/SAM States/territories/ international organizations:  a) adopt the strategy for the implementation of Amendment 1 to Doc 4444 (PANS-ATM) (15th edition) shown in Appendix J to the report of the CNS/ATM/SG/1 Meeting;  b) develop action plans, taking into account the regional strategy and the action plan based in a performance scope, which includes as Appendix J to this working paper, for the harmonious implementation of the new ICAO flight plan format and the ATS messages related;  c) designate experts who participate as points of contact to coordinate with other air navigation services providers of States/territories/international organizations from adjacent flight information regions (FIRs), implementation matters of ATS messages related with the implementation of the new ICAO flight plan format (FPL); and | CAR/SAM States/territories/ international organizations | Implementation of the new flight plan format | Noted. | November 2012 |
| **C 16/39**  **cont’d**  **A, C** | **Implementation of the new flight plan format in the**  **CAR/SAM Regions** | d) send the result of this implementation to the ICAO NACC and SAM Regional Offices, not later than 30 November 2011. |  |  |  |  |
| **C 16/40**  **+ associated C 16/41**  **C** | **Training for**  **aeronautical professional competence** | That CAR/SAM States/territories and international organizations, take into consideration the list of short and mid-term and training requirements shown in Appendix D to the report of the CNS/ATM/SG/1 Meeting, so that CATCs, in coordination with civil that CAR/SAM States/territories and international organizations, aviation authorities, prepare aeronautical training programmes which contemplate regional air navigation and safety requirements. | CAR/SAM States/territories/ international organizations | Aeronautical training programmes taking into consideration regional requirements. | Noted. | December 2011 |
| **C 16/42**  **A** | **Resolution of air**  **navigation deficiencies** | That States/territories having difficulty in resolving priority ―U air navigation deficiencies request ICAO assistance to prepare action plans and coordinate support for resolving deficiencies if required. | CAR/SAM States/territories/ international organizations | Assistance for preparation of action plans to resolve deficiencies | Noted. | December 2012 |
| **C 16/43**  **A** | **Revised methodology for the identification, assessment and reporting of air navigation deficiencies** | That:  a) ICAO consider the proposed revised methodology for the identification, assessment and reporting of air navigation deficiencies presented in Appendix A to this part of the report; and  b) in the interim, GREPECAS adopt the revised methodology as a test-bed and notify the ANC of the results. | ICAO HQ  GREPECAS Secretary | Proposed revised methodology for identification, assessment and reporting of air navigation deficiencies | Commended the work by GREPECAS proposing a revised methodology for identification, assessment and reporting of air navigation deficiencies. Any decision in this matter should wait for the results of the trials. The Secretariat is called upon to ensure that any revised methodology to identify, assess and report of air navigation deficiencies should be applied uniformly by all PIRGs and regions and to verify other proposals presented by other PIRGs. |  |
| **C 16/44**  **A** | **Review of existing air navigation**  **deficiencies** | That:  a) the revised methodology be applied to existing deficiencies contained in the GANDD within a reasonable time period but no later than 31 March 2012;  b) ICAO review and improve the GANDD in order to update information on deficiencies in a timely manner; and  c) ICAO review the procedures established by GREPECAS for the validation and elimination of the deficiencies contained in the GANDD. | Lima and Mexico Regional Offices  Lima and Mexico Regional Offices  Lima and Mexico Regional Offices | Application of revised methodology in the GANDD  Improved GANDD  Procedures for validation and elimination of deficiencies | Noted. | 31 March 2012  30 June 2011  30 June 2011 |
| **D 16/45**  **+ associated D 16/48 and**  **C 16/49**  **A** | **New GREPECAS organization** | That in order to implement CAR/SAM performance-based regional plans in compliance with the Global Air Navigation Plan and Global ATM Operational Concept:  a) the GREPECAS organization be modified as described in Appendix A to this part of the report; and  b) the Secretariat circulate a letter to States/Territories, accompanied by an explanatory note and the revised GREPECAS Procedural Handbook, requesting ratification of the new GREPECAS organization and inviting suggestions for further refinement within 30 days, including reference to non-response being taken as acceptance without comment. | GREPECAS Secretary  Lima and Mexico  Regional Offices | New GREPECAS organization  Letter with explanatory note and revised GREPECAS Procedural  Handbook | Noted and complimented GREPECAS for the work done to implement a new GREPECAS organization. | 30 September 2011  30 June 2011 |
| **D 16/46**  **A** | **Revised GREPECAS terms of reference** | The revised GREPECAS terms of reference, which incorporate the ICAO Council requirement to coordinate with RASG-PA are presented in Appendix B to this part of the report. | GREPECAS Secretary | Revised terms of reference | Noted and complimented GREPECAS for the agreement to revise the terms of reference that included coordination between GREPECAS and RASG-PA. | 30 June 2011 |
| **Paragraph**  **6.4**  **A** | **Role of civil aviation during natural disasters** | The Meeting recognized that due to the large variety of natural events and their consequences, as well as the role of aviation to support humanitarian aid operations, it is also necessary that ICAO review and amend the material related to Annex 11 so that States may develop and coordinate the immediate response plans during natural disasters in a timely manner. | ICAO HQ | Amendment to Annex 11 | Noted and agreed with the request of GREPECAS related to the role of aviation to support humanitarian aid operations and called upon the Secretariat to review and amend the material related to Annex 11. | November 2012 |

\*The Council agreed to three Strategic Objectives for the triennium 2011- 2013 as follows (C-DEC 188/13 refers):

Strategic Objective A: ***Safety***

Strategic Objective B: ***Security***

Strategic Objective C: ***Environmental Protection and Sustainable Development of Air Transport***

— END —