

SP AFI/ RAN RECOMMENDATION RELATED TO ATM, AIM AND SAR FIELDS

| Conc/Dec No. Strategic Objectives* | Title of Conclusion/ Decision | Text of Conclusion/Decision | Follow-up Action | To be initiated by | Deliverable/ Intended Outcome | Target Dates | Status of Implementation |
|--|--|--|--|---------------------------|---|-----------------|---|
| Recommendation 3/3: A&C | Performance- based approach and measurement | That APIRG and regional safety groups develop indicators that are specific, measurable, achievable, realistic and time bound and attach them to the performance framework forms (PFFs) in the appropriate box, using the following metrics and/or others determined to be appropriate indicators for the African continent | Include tasks in the APIRG & Subsidiary bodies programme | APIRG & Subsidiary bodies | Performance indicators for AFI Region | APIRG/19 | Indicators developed PFFs to be updated in the Air Navigation Reporting Forms aligned with ASBUs modules |
| Recommendation 4/3: A | State Safety Programme | That ICAO urge the AFI States, with cooperation from COSCAPs and RSOOs as applicable, to implement a State Safety Programme that incorporates effective occurrence investigations, the gathering of such safety data in a database compatible with ADREP and to share and analyze the data. | State Letter to urge implementation | ESAF & WACAF Offices | State Safety Programmes Regional Safety Programmes | APIRG/19 | Implementation on a continuous basis under ACIP programme Monitored by ICAO USOAP CMA |

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| Recommendation 4/6: A | Investigation of air traffic services incidents and provision of comprehensive feedback to parties involved | That, in coordination with their air navigation service providers, States: a) diligently conduct investigations on all reported air traffic services incidents having taken place in airspace under their responsibility; and; b) provide timely, documented feedback to all involved parties through participation in the established AIAG mechanism via the relevant ICAO Regional Office. | Follow-up by the TAG in accordance with its ToR | TAG, ATM/AIM/ SAR SG States | Resolution of UCRs Feedback on progress to AIAG & ICAO Regional Offices | Yearly meetings being convened | Implementation on a continuous basis Incidents (UCRs) being reviewed monthly |
| Recommendation 4/7: A | Reporting of air traffic services incidents | That air operators be reminded, by IATA and their State Authority, of their obligation to ensure that air traffic services incident reports are filed on a timely basis, following the ICAO model as contained in the <i>Procedures for Air Navigation Services – Air Traffic Management</i> (PANS-ATM, Doc 4444), Appendix 4, and provide sufficient relevant information to facilitate the ensuing investigation. | Air Operators to coordinate reporting through States CAAs Make reporting form available and more user friendly | States, Operators States, ATM/AIM/ SAR SG | Increased ATS incidents reporting covering all incidents using the incident reporting form in Doc 4444 | Monthly submission on reports through ICAO reporting mechanisms | Implementation on a continuous basis |

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| Recommendation 6/1: A&C | Regional performance framework | <p>a) APIRG adopt the performance-based framework for air navigation systems planning as detailed in the report of this meeting, identifying regional performance objectives and utilizing the performance framework forms (PFFs);</p> <p>b) APIRG develop additional PFFs to meet new performance objectives as necessary; and</p> <p>c) the performance objectives and the associated PFFs adopted by the meeting and any other PFFs developed by APIRG, be integrated into the CNS/ATM implementation plan for the AFI Region (Doc 003) which should then be updated to serve as an integrated planning document for the AFI Region.</p> | <p>Update the PFF</p> <p>Develop other (additional) PFFs</p> <p>Integrate PFFs into Doc 003</p> | <p>APIRG & Subsidiary bodies</p> <p>APIRG & Subsidiary bodies</p> <p>ESAF & WACAF Offices</p> | <p>PFF adopted</p> <p>Additional PFFs developed as necessary</p> <p>Integration of PFFs in Doc 003</p> | <p>APIRG/17</p> <p>APIRG/19</p> <p>ATM/AIS/ SAR SG/12</p> | <p>Completed</p> <p>Performance objectives to be updated in the Air Navigation Reporting Forms (ANRF) aligned with ASBUs modules ANRFs to replace PFFs</p> <p>Implementation status to be reviewed by SG/13</p> <p>Implementation status to be reviewed by SG/13</p> |
| Recommendation 6/2: A&C | National performance framework | <p>That States adopt a national performance-based framework for air navigation systems planning as detailed in the report of this meeting, identifying national performance objectives, aligned with the regional performance objectives, utilizing the performance framework forms.</p> | <p>ICAO ROs to follow-up with States</p> | <p>ESAF & WACAF Offices</p> | <p>National PFF developed has been adopted by States</p> | <p>2009-2014</p> | <p>National PFF being reviewed and updated at each PBN/GNSS TF meeting</p> <p>PFFs to be replaced by ANRFs and aligned with ASBUs modules</p> |

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| Recommendation 6/5: A&C | Implementation of the new ICAO Model flight Plan Form | <p>a) APIRG adopt the ATM Performance Objective: Transition to the New ICAO Model Flight Plan Form as contained in the performance framework form (PFF) in Appendix A to the Report on Agenda Item 6; and</p> <p>b) States coordinate, through APIRG, their transition to the new ICAO flight plan and follow the checklist in the PFF in Appendix A to the Report on Agenda Item 6 in order to ensure harmonization and orderliness in their transition to the new flight plan by 15 November 2012.</p> | <p>Update flight plan PFF</p> <p>Participate in FITS</p> <p>Establish Transition Task Force</p> | FPLT Task Force | <p>Adoption of the New ICAO PFF</p> <p>Streamlined coordination transition to new flight plan content by Nov 2012</p> <p>Guidance & coordination of implementation</p> | <p>APIRG/17</p> <p>2009 – Nov 2012</p> <p>Task Force established April 2010</p> | <p>Completed</p> <p>Completed</p> <p>Completed</p> |
| Recommendation 6/6: A | Operational safety assessment methodology | That APIRG adopt the ATM Performance Objective: Operational Safety Assessment Methodology as contained in the performance framework form in Appendix B to the Report on Agenda Item 6. | APIRG | ATS/AIS/ SAR SG | ATM Performance Objective adopted by APIRG | APIRG/17 | Completed |

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| Recommendation 6/7: A | Establishment of a Tactical Action Group (TAG) | a) A Tactical Action Group be created in the AFI Region with the Terms of Reference and Work Programme outlined in Appendix C to the Report on Agenda Item 6; and; b) States as a matter of priority make all efforts to assist and comply with requests from the TAG group. | APIRG ICAO to remind States through State letters, missions or other opportunities | APIRG ESAF & WACAF Offices | Establishment of the AFI TAG Cooperation with TAG for resolution of UCRs/ASRs | APIRG/17 APIRG/19 | Completed Some States are still slow to comply with TAG requests |
| Recommendation 6/8: A&C | Reduced vertical separation minimum (RVSM) monitoring and follow-up activities | That AFI States support: a) the long-term submission of State RVSM operationally approved aircraft to the AFI Regional Monitoring Agency (ARMA); b) provision of long-term support to the AFI height monitoring programme; c) long-term collection of safety assessment data; d) the availability of personnel to fulfil the role of RVSM National Programme Managers; e) the establishment of the ARMA scrutiny group in 2009; and | ICAO to inform and urge States' action | ESAF & WACAF Offices States | Awareness & support of ARMA activities Submission of all data to ARMA Support of RVSM implementation and ARMA activities Appointment & function of RVSM Programme Managers | 2011-2015 2009 | Implementation on a continuous basis Scrutiny Group established |

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| | | f) measures to reduce the large number of horizontal incidents in the AFI Region. | | States | Reduced horizontal incidents | 2011-2015 | Implementation on a continuous basis |
| Recommendation 6/9: A&C | Performance-based navigation (PBN) performance objectives | <p>That APIRG adopt the Performance Objectives as contained in the performance framework forms in Appendix D to the Report on Agenda Item 6:</p> <p>a) optimization of the air traffic services (ATS) route structure in en-route airspace;</p> <p>b) optimization of the ATS route structure in terminal airspace; and</p> <p>c) implementation of vertically guided required navigation performance (RNP) approaches.</p> <p>That States develop their national action plans to meet the requirements of the regional performance framework forms, as a matter of priority to meet the PBN implementation goals established by Assembly Resolution A36-23.</p> | <p>APIRG and its Subsidiary bodies to initiate implementation</p> <p>Identify action parties and specific target dates.</p> <p>Provide guidance to States.</p> | <p>APIRG (PBN/GNSS TF)</p> <p>States</p> | <p>Adopted PBN PFFs</p> <p>Optimized ATS route structure for en-route airspace</p> <p>Optimized ATS route structure for terminal airspace</p> <p>RNP implemented</p> <p>National action plans developed</p> | <p>PBN/GNSS TF/4</p> | <p>Completed</p> <p>Implementation status to be reviewed by SG/13</p> <p>Performance objectives to be updated in the Air Navigation Reporting Forms (ANRF) aligned with ASBUs modules ANRFs to replace PFFs</p> |
| Recommendation 6/10: A | Support for establishment of an Africa ICAO flight procedure office | <p>That:</p> <p>a) States and international organizations support the implementation of an AFI flight procedures office; and</p> | Provide support to FPO. | States and International Organisations | Support for FPO | APAC FPO experience to be reviewed for adoption by APIRG/19 | Implementation status to be reviewed by SG/13 |

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| | | b) ICAO disseminate a letter, with supporting documentation, inviting interested States and international organizations to submit proposals for establishment and hosting of the FPO. | ICAO to issue State letters to invite States to make proposal | ICAO HQ/ROs | Offer to host the FPO by States and international organizations. | APIRG/17 | Completed. Letter disseminated FPP established and hosted by ASECNA in Dakar |
| Recommendation 6/11: A | Implementation of WGS-84 and eTOD | That APIRG adopt the AIM Performance Objective: Implementation of world geodetic system-1984 (WGS-84) and electronic terrain and obstacle data (eTOD) as contained in the performance framework form in Appendix E to the Report on Agenda Item 6. | States to provide data implementation progress. | APIRG and its Subsidiary bodies | PFF for WGS-84 & eTOD adopted | APIRG/19 | Implementation status to be reviewed by SG/13 |
| Recommendation 6/12: A&C | Full implementation of Atlantic Ocean random RNAV routing area (AORRA) | That ICAO: a) take immediate action to inform all concerned States that implementation of AORRA Phase II will be delayed until further notice; and b) as a matter of urgency, facilitate and coordinate implementation of all phases of AORRA and assist in determining a suitable date for AORRA Phase II implementation. | State letter issued by ICAO RO ICAO WACAF RO | WACAF Office Concerned FIRs, SAT | Information passed on to concerned States Revised implementation date of AORRA Phase II | APIRG/17 APIRG/19 | Completed Implementation status to be reviewed by SG/13 |
| Recommendation 6/13: A&C | Publication of GNSS-based RNP approach procedures | That: a) States having taken part in the IATA area navigation (RNAV) global | ICAO to remind States through State letter. | States. | GNSS-based IAPs published and operational. | APIRG/19 | Implementation status to be reviewed by SG/13 |

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| | | <p>navigation satellite systems (GNSS) procedures development and implementation programme and which had not yet done so, publish GNSS-based required navigation performance (RNP) approaches, and at the same time, remove any operational restrictions that may be in place; and;</p> <p>b) States that had not taken part in the IATA RNAV GNSS procedures development and implementation programme, seek assistance from appropriate organizations with the objective of designing and implementing GNSS-based RNP approach procedures.</p> | | States | Regional implementation of GNSS Based RNP procedures | APIRG/19 | Implementation status to be reviewed by SG/13 |
| Recommendation 6/22: A&C | Establishment of sub-regional search and rescue (SAR) arrangements | <p>That APIRG:</p> <p>a) adopt the SAR Performance Objective: Establishment of Sub-regional SAR Arrangements as contained in the performance framework form in Appendix H to the Report on Agenda Item 6;</p> <p>b) adopt as policy the general concept of sub-regional SAR provision from joint aviation/maritime RCCs as a key strategy in the improvement of the Africa-wide SAR system;</p> <p>c) support the establishment of a task force to progress the initiative taken at the Port Elizabeth Consultative Conference of October 2007 on the integration of SAR services in the southern African Region; and</p> | Follow-up with States through SAR activities | APIRG ASSI TF | <p>Sub-Regional SAR arrangements adopted</p> <p>Sub-Regional SAR concept adopted</p> <p>Establishment of ASSI TF</p> | <p>APIRG/17</p> <p>APIRG 17</p> <p>APIRG/17</p> | <p>Completed</p> <p>Completed</p> <p>Completed (Dec17/67)</p> |

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| | | d) cooperate with ICAO and IMO in their continuing collaboration with African States to implement sub-regional, joint RCCs at strategic locations on the African continent. | | | Joint SAR Policy Implementation of Sub-regional JRCCs | APIRG/17 2011-2015 | Implementation on a continuous basis |
| Recommendation 6/25: A&C | Elimination of air navigation deficiencies in the AFI Region | That: a) APIRG adopt the Performance Objective: Elimination of Air Navigation Deficiencies in the AFI Region as contained in the performance framework form in Appendix J to the Report on Agenda Item 6; b) States develop their national action plans, aligned with the regional performance objective, to eliminate their relevant deficiencies in the fields of aerodromes and ground aids (AGA), air traffic management (ATM), aeronautical information services (AIS), communications (CNS), meteorological (MET) and search and rescue (SAR), priority being given to the deficiencies as contained in the performance framework form in Appendix J to the Report on Agenda Item 6; and c) States take steps to seek assistance where required for the implementation of their action plans through ICAO mechanisms such as Technical Co- | Reminder State letter from ICAO ROs States develop their national action plans, aligned with regional performance objectives | ESAF & WACAF Offices States States | Reminder on elimination of deficiencies National action plans developed PFFs reviewed and updated Assistance provided to States where required to | 2012-2015 APIRG/19 APIRG/19 APIRG/19 | Implementation on a continuous basis Implementation status to be reviewed by SG/13 Implementation status to be reviewed by SG/13 Implementation status to be reviewed by SG/13 |

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| | | operation Bureau (TCB), International Financial Facility for Aviation Safety (IFFAS), special implementation projects (SIPs) and from industry stakeholders and donor agencies. | States to seek assistance through TCB/SIPs | | ensure implementation of their action plans | | |
| Recommendation 6/26: A&C | A collaborative approach to air traffic management (ATM) systems planning that considers the environment | That, APIRG adopts an approach to the planning and implementation of ATM systems and ATM improvements that supports collaboration and considers best outcomes and the environment. | Establish compliant work programmes | APIRG & its Subsidiary bodies | A collaborative approach to air traffic management (ATM) systems planning adopted that considers best outcomes of the environment | APIRG/19 | Implementation status to be reviewed by SG/13 |
