CONSOLIDATED APIRG CONCLUSIONS & DECISIONS RELATED TO ATM AND SAR FIELDS

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/49 A	**PUBLICATION OF A DRAFT AIC ON ACAS II IMPLEMENTATION**	That ICAO urge AFI States, which have not done so, to publish as soon as possible, but no later than AIRAC date of 13 December 2001, the AIC on ACAS II implementation as indicated in Appendix J to this report.	States to follow-up and initiate publication	States	Publication of ACAS II implementation	Dec 2015	On-going activit
CONCLUSION 19/50 A	**NEED FOR COOPERATION AGREEMENTS ON THE USE OF COSPAS-SARSAT**	That States within the coverage of MCCS implemented in the AFI Region (Algeria, South Africa) conclude cooperation agreements with the COSPAS-SARSAT organization and host States in order to allow them to receive data from the COSPAS-SARSAT system.	Concerned States conclude agreements to receive data from COSPAS-SARSAT	States	Cooperation Agreements concluded	Dec 2013	On-going activit States to provide update on numb agreements concluded
CONCLUSION 19/51 A	**AMENDMENT OF THE AFI CNS/ATM IMPLEMENTATION PLAN (DOC 003)**	That the *AFI CNS/ATM Implementation Plan* (Doc 003) be amended as shown at Appendix S to this report.	ICAO to initiate amendment process	ICAO with support from States	Doc003 amended	Dec 2015	ICAO to follow-on status
CONCLUSION 19/52 A	**IMPLEMENTATION OF ATS ROUTES, INCLUDING RNAV ROUTES**	That States that have not yet done so implement, as soon as possible and in any case not later than the AIRAC date of 10 June 2004, ATS routes in their fir as shown in Appendix E to this report.	States to review and expedite implementation of ATS routes as agreed by APIRG	States	All ATS routes agreed by APIRG PRND WG implemented	Dec 2015	States to provide status of implementation outstanding trajectories

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/53 A	**ORGANIZATION OF REGIONAL SAR SEMINARS/ WORKSHOPS**	That ICAO organizes regional SAR seminars/workshops in order to sensitize States to the need to take remedial action to implement the ICAO provisions relating to SAR.	Organize SAR seminars/ workshops and invite States and SAR organizations	ICAO	SAR seminars/ workshops organized on a yearly basis	Annual event	On-going activit
CONCLUSION 19/54 A	**REPORTING AND ANALYSIS OF ATS INCIDENTS**	That, in compliance with Assembly Resolution A31-10 (Improving accident prevention in civil aviation), the provisions in the ICAO Annex 13 (Aircraft Accident and Incident Investigation), paragraph 7.3, and AFI/7 Recommendation 5/26 (Reporting and analysis of ATS incidents), States establish incident reporting systems which should be non-punitive and educational in order to register the maximum number of incident reports.	States establish incident reporting systems to cover all incidents.	States	All incidents and accidents are properly investigated and reported. Non-punitive and educational reporting systems established	2012	On-going activit Reporting mechanism not effectively established in ce CAAs, in accorc with Annex 13
CONCLUSION 19/55 A & E	**APPLICATION OF FLEXIBLE USE OF AIRSPACE (FUA)**	That: a) States adopt a FUA approach in establishing prohibited, restricted or danger areas such that these areas are established on a temporary basis, taking into account the needs of civil aviation; and	Adopt FUA approach when establishing prohibited, restricted or danger areas. States CAA to coordinate with Military counterparts to achieve maximum results.	States	FUA adopted	2014-2016	On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
		b) States constantly review the existence of prohibited, restricted or danger areas pursuant to LIM/AFI (1988) Recommendation 2/21.					
CONCLUSION 19/56 A	**SAR COOPERATION AGREEMENTS AMONGST STATES**	That, in order to promote a more effective and economic utilization of SAR facilities, States should enter into and operationalize precise agreements with other States in order to pool their resources and provide mutual assistance in SAR operations, using the specimen agreement in Appendix I of the International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual, Volume I — Organization and Management (Doc 9731).	States coordinate for signing of SAR agreements asap in order to promote economic and efficient utilization of SAR facilities	States	SAR agreements concluded between States to support SAR operations	Jan 2016	On-going activit
CONCLUSION 19/57 A, B & E	**IMPLEMENTATION OF THE REQUIRED CNS INFRASTRUCTURE IN THE AFI REGION**	States that have not done so are urged to implement the required supportive CNS infrastructure including but not limited to ATS DS circuits, AMS and appropriate NAVAIDS.	Deficient State to expedite implementation	Deficient State	CNS infrastructure implemented in accordance with Regional Air Navigation Plan	2015-2016	Effective implementation outstanding in States/FIRs
CONCLUSION	**PARTICIPATION OF**	That:	States ensure adequate	States	SAR Experts	Yearly event	On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
19/58 A	**SAR EXPERTS IN THE ATS/AIS/SAR SUB-GROUP**	a) States, which have not done so, include SAR experts to participate in the work programme of the APIRG ATS/AIS/SAR Sub-Group; b) States, which have not done so, establish permanent SAR structures within national civil aviation authorities as a priority; and c) ICAO and AFCAC ensure that the Conclusions of the SAR Conference in Reunion Island, be taken into account in the AFI Plan as far as possible.	resources to support participation of SAR Experts in the work of ATM/AIM/SAR Sub-Group.		included in all APIRG SG meetings AFI Plan to include Conclusions emanating from SAR Conference in Reunion		

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/59:	**STRATEGIES FOR IMPROVED REPORTING AND EFFECTIVE IMPLEMENTATION OF APIRG CONCLUSIONS AND DECISIONS**	That: a) The template used to review and report the status of implementation of APIRG Conclusions and Decisions be amended to reflect the impact, results or effect on the air navigation system of the actions taken; b) The activities of the task forces be enhanced through regular meetings/ communications with States to reinforce implementation of outstanding conclusions and decisions; and c) States be more responsive to requests by the Regional Offices for reports on progress made in implementing these conclusions and decisions in order to develop business cases to support States as appropriate.	ICAO to initiate amendment to the template States to support the process through regular updates	ICAO States	Improved reporting and implementation of APIRG Cons/Decs	2015-2016	On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
DECISION 19/60 A	**PROPOSALS FOR SOLUTIONS TO LONG OUTSTANDING CONCLUSIONS AND DECISIONS OF APIRG**	That, the Sub-Groups, when presenting their reports to the group, make proposals on strategies for addressing the long outstanding Conclusions and Decisions.	ATM/AIM/SAR SG to include strategies when reporting to APIRG	ATM/AIM/ SAR SG	Outstanding APIRG Conc/Decs addressed	2015-2016	On-going activit
CONCLUSION 19/61 A	**MECHANISM FOR DATA COLLECTION TO SUPPORT REGIONAL PERFORMANCE METRICS**	That, States that have not done so, are requested to establish, when possible, a mechanism for data collection, processing and storage and provide the information to the corresponding Regional Office for the identified regional performance metrics.	States to establish effective mechanism for data collection	States	Mechanism for effective collection of data implemented	June 2014	On-going activit ICAO to monito effectiveness of States' activities
CONCLUSION 19/62 A	**IMPLEMENTATION OF STRATEGIC LATERAL OFFSET PROCEDURES (SLOP) IN THE AFI REGION**	That, AFI States which have not implemented SLOP within their areas of responsibility, ensure implementation in line with the provisions in PANS-ATM Doc 4444 Chapter 16.	ESAF & WACAF ROs to remind States/ANSPs at every opportunity States to coordinate implementation	ESAF & WACAF Offices States	SLOPs fully implemented in all AFI FIRs	30 Nov 2010	Slow progress b recorded. States that have done so to imple before Dec 2015
DECISION 19/63 A	**ESTABLISHMENT OF ARMA SCRUTINY GROUP**	That, the ARMA Scrutiny Group is established with the Terms of Reference at Appendix 3.4C to this report.	ICAO to initiate process	ICAO	ARMA Scrutiny Group established Yearly activities of the Group convened	APIRG/17	ARMA establish Annual activitie going

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/64 A, B & C	**AFI PBN IMPLEMENTATION REGIONAL PLAN**	That: The AFI PBN Regional Implementation Plan is updated as at **Appendix 2C** to the report under agenda item 2.	Development of PBN Regional plan Development of PBN Regional plans	ICAO States	PBN Regional plan developed Development of PBN National plans	APIRG/17 Dec 2015	PBN Regional p developed and provided to Stat Deficient States expedite development
CONCLUSION 19/65 A	**PBN IMPLEMENTATION TOOLS**	That, States use project management plans and implementation action plans provided by the PBN Task Force, as well as project management soft wares.	ICAO remind States though Regional activities	ESAF & WACAF Offices States	Project management tools provided by PBN TF Standard use of PBN implementation tools by States	APIRG/17	On-going activit ICAO to monito implementation status
DECISION 19/66 A	**DISSOLUTION OF THE GNSS IMPLEMENTATION AND PBN TASK FORCES AND ESTABLISHMENT OF THE PBN/GNSS TASK FORCE**	That, the GNSS implementation and PBN Task Forces are dissolved and the PBN/GNSS Task Force is established with the terms of reference in Appendix 3.4F to this report.	Initiate process for establishment of the PBN/GNSS TF	APIRG	Establishment of PBN/GNSS TF as per its TOR Conduct activities in accordance with its work programme	APIRG/17	PBN/GNSS TF established with going activities TF is still active

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
DECISION 19/67 A, B & E	**PBN ROUTE NETWORK DEVELOPMENT WORKING GROUP (PRND WG)**	That, the AFI PBN Route Network Development Working Group (PRND WG) is established with the terms of reference, composition and working arrangements as at Appendix 3.4G to this report.	Initiate process for establishment of the PRND WG	APIRG	Establishment of PRND WG as per its TOR Conduct activities in accordance with its work programme	APIRG/17	PRND WG established with going activities WG is still activ
CONCLUSION 19/68 A, B & E	**TRAINING IN SUPPORT OF PBN IMPLEMENTATION**	That, in order to support the implementation of PBN in the AFI Region: a) PBN Task Force identify priority training needs for implementation for PBN; b) AFI Regional Offices organize seminars/workshops for training of relevant personnel directly involved in the implementation of PBN	ICAO to provide guidance ROs organize seminars & workshops for training in PBN implementation	PBN/GNSS TF ESAF & WACAF Offices	Training needs identified and supported PBN W/Shops & seminars convened regularly	2009 -2016 2009-2016	Training being provided on yea basis Training, seminars/worksl being organized ICAO to suppor PBN implement
CONCLUSION 19/69 A & B	**PBN ENABLING LEGISLATION**	That, a) AFI States that have not already done so, include in their legislation and/or regulations provisions to enable the implementation of PBN; and b) ICAO carries out surveys to	States promulgate PBN Legislation Survey to assess status of	States ESAF &	PBN enabling legislation Information on	31 March 2014 31 March	On-going activit Deficient States expedite implementation ICAO to monito

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
		update information on promulgation of PBN enabling legislation.	promulgation of regulations	WACAF Offices	status of promulgation of regulations	2014	implementation status
CONCLUSION 19/70	**PARTICIPATION OF REPRESENTATIVES OD STATES INVOLVED IN PBN APPROVAL PROCESS**	That, in order to support the PBN planning and implementation processes, AFI States are urged to include in their delegations to meetings of the PBN Task Force, experts and officials involved in the PBN approval process of aircraft operators.	States to make necessary provisions	States	States' participation in training provided	2015-2016	On-going activit Annual event
CONCLUSION 19/71 A, B & E	**FUNDING OF THE PBN IMPLEMENTATION PROGRAMME**	That, regulatory bodies, operators, service providers and other stakeholders be granted budgetary allocations for acquisitions and other activities necessary for ensuring that all the requirements be met in a timely manner in order to safely implement PBN in the AFI Region.	States provide for budgetary allocation for safe and timely implementation of PBN in accordance with Regional timelines	States, ANSPs, Regulatory bodies, Operators, Stakeholders	Sufficient funds available	2010-2016	On-going activit
CONCLUSION 19/72 A	**NATIONAL PBN PROGRAMME MANAGER (NPPM)**	That, in order to facilitate the implementation of PBN and Regional coordination AFI States that have not already done so nominate/designate NPPMs as soon as possible and assign them the terms of reference as at Appendix 2D to the report on agenda item 2	States nominate/designate NPPMs and update their contacts regularly	States	NPPMs nominated / designated by all AFI States NPPM contacts are regularly updated by States	2013-2015	Deficient States expedite implementation

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/73 A	**AIRSPACE PLANNING AND AIRCRAFT EQUIPMENT SURVEY**	That, in order to facilitate airspace planning and decisions related to air navigation infrastructure:	State letter issued on survey	ICAO	Survey conducted	APIRG/17	Survey conducte
		a) ICAO in coordination with IATA and AFRAA conduct regular surveys on aircraft equipage within the AFI Region;	States to support survey and provide data to ICAO	States	Updated surveys on aircraft equipage	2013-2015	Initiatives to ens air navigation sy enhancements matching fleet capabilities on-g
		b) AFI States and air navigation service providers (ANSPs) are urged to support the ICAO/IATA global survey.	Support the ICAO/IATA global survey on aircraft equipment	ICAO	Awareness to Operators on acft equipage		
		c) AFI States make efforts to bring awareness to the aircraft operators regarding the ICAO efforts on aircraft equipage data, and that joint efforts between civil aviation authorities and ANSPs be embarked upon to bring quicker results; and	Bring awareness to the aircraft operators regarding the ICAO efforts on aircraft equipage.	States CAAs	Matching of air navigation systems with fleet capabilities and readiness		
		d) AFI States ensure that initiatives for air navigation system enhancements are matched with fleets capabilities and readiness.	Ensure that initiatives for air navigation system enhancements are matched with fleets capabilities and readiness.				
CONCLUSION 19/74 A	**DISSEMINATION OF AIAG REPORTS**	That, the ICAO Regional Offices ensure that the final reports of the ATS Incidents Analysis Group (AIAG) are made available to concerned States and air navigation	ICAO to compile and disseminate AIAG reports	ESAF & WACAF Offices	AIAG reports disseminated	After each AIAG annual meeting	On-going activit Reports are bein disseminated to stakeholders

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
		service providers for remedial action.					following yearly meetings.
CONCLUSION 19/75 A	**IMPLEMENTATION OF SAFETY MANAGEMENT IN THE AFI REGION**	That, AFI States are urged to take necessary measures including the development and promulgation of legislative/regularity provisions in order to: (a) Implement the safety management provisions of Annex 19; and (b) Make use of training opportunities availed by ICAO	States ICAO to support and provide guidance to States on SMM	States ESAF & WACAF Offices	Safety management awareness achieved Effective implementation of safety management	2013-2016	On-going activit Being implemen in accordance w Annex 19

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/76 A	**DEVELOPMENT AND PROMULGATION OF CONTINGENCY PLANS**	That: a) AFI States develop/update and promulgate contingency plans in accordance with Annex 11 and Annex 15 provisions; b) AFI States use available ICAO guidance material for the development and promulgation of ATM contingency plans including the amended template at **Appendix 2E** to the report on agenda item 2.	States develop & promulgate their contingency plans without delay	States	ATM Contingency plans developed, approved by ICAO and promulgated	APIRG/17	On-going activit noting new requirements rel to VACP inclusi ATM CP Deficient States expedite implementation
DECISION 19/77 A	**AFI SAR SERVICES INTEGRATION TASK FORCE (ASSI TF)**	That, in order to progress the initiatives taken at the Port Elizabeth Consultative Conference of October 2007 on integration of SAR services and similar other initiatives in the AFI Region, and to support the implementation of SAR provisions, the AFI SAR Services Integration Task Force (ASSI TF) is established with the terms of reference at Appendix 3.4L to the report on agenda item 3.4.	ICAO to initiate process for establishment of the ASSI TF	ESAF & WACAF Offices	ASSI TF established, as per its TOR Convene meetings and workshops annually	March 2011 Yearly event	ASSI TF establi and still active

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/78 A	**SEARCH AND RESCUE SERVICES**	That, with the objective to foster the implementation of SAR services and improvement of SAR systems in the Region, AFI states are: (a) Urged to establish joint aviation/maritime rescue coordination centres (RCCs) in order to optimize usage of resources and coordination; (b) Encouraged to establish sub-regional task forces to progress the development SAR cooperative arrangements and integration of SAR services.	 States to implement joint JRCCs where practicable States to establish sub-regional Task Forces where practicable	 States States	More efficient and effective SAR services through sub-regional and regional cooperation Joint Aeronautical and Maritime RCC established where practicable Effective SAR cooperation agreements established	APIRG/17 2010-2011	On-going activit States are slow t implementing du constraints Deficient States expedite implementation necessary
CONCLUSION 19/79 A	**TIMELY RESPONSE TO TAG QUERIES**	That, States when responding to TAG queries, make every effort to do so in a timely manner, preferably within 14 days, in compliance with the recommendation of the Special AFI/ RAN Meeting of 2008.	States response to TAG queries in a timely manner	States	Information on TAG issues provide to ICAO as required	2013-2016	On-going activit
CONCLUSION 19/80 A	**COMMUNICATION OF TAG FOCAL POINTS**	That, States that have not already done so, update their respective ICAO Regional Offices with a TAG point of contact within their State.	States provide updated information on TAG POC to ICAO Regional Offices	States	Updated list of TAG POC	2013-2015	Regular updates expected to be provided by Stat ICAO ROs

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/81 A	**APPROVAL OF TAG VISITS**	That, AFI States: a) Make every effort to approve TAG requests for technical visits to the State at the earliest available opportunity and that the visits be held during regular work days; and b) Update the TAG contact list when requested and whenever there are changes of the contact points in the States.	ICAO urge AFI States to support the process	States	TAG technical visits are effectively coordinated and implemented	2013-2016	Visits to be coordinated betv ICAO and affect States on a case case basis
CONCLUSION 19/82 A, B & E	**ELIMINATION OF AIR NAVIGATION DEFICIENCIES IN THE ATM, AIS/MAP AND SAR FIELDS**	That, in order to facilitate the updating of the deficiency database by the Regional offices, and to foster the elimination of deficiencies in the AFI Region: a) APIRG subsidiary bodies and secretariat establish a comprehensive list comprising all air navigation deficiencies consistent with the ICAO definition of deficiency as approved by Council, for necessary attention;	APIRG to establish updated list of deficiencies States develop action plans for implementation	APIRG	Updated list of identified air navigation deficiencies established yearly Identified deficiencies eliminated progressively	By each APIRG Meeting 2013-2016	On-going activit On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
		b) States and International Organizations (including IATA, IFALPA, IFATCA) are urged to actively contribute towards updating the deficiency database, by providing to the Regional Offices, information on the implementation status of SARPs and Air Navigation Plan (ANP) requirements and; c) States provide copies of action plans developed in pursuant to SP AFI/08 RAN Recommendation 6/25 to the concerned APIRG subsidiary bodies and the Regional Offices.					
DECISION 19/83 A	**APPELLATION AND TERMS OF REFERENCE OF THE ATM/AIS/SAR SUB-GROUP**	That, in order to facilitate consistency in the use of terminology and associated developments, the APIRG ATS/AIS/SAR Sub-Group is re-titled Air Traffic Management/ Aeronautical Information Management/ Search and Rescue Sub-Group (ATM/AIM/SAR SG) with the Terms of Reference as at Appendix 7B to this report.	ICAO	ICAO	ATS/AIS/SAR SG re-titled ATM/AIM/SAR SG Convene activities in accordance with its work programme	APIRG/17	Appellation completed Sub-Group still active

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
DECISION 19/84 A, B & E	**REVIEW AND UPDATE OF APIRG CONCLUSIONS AND DECISIONS**	That APIRG Sub-Groups: a) review all APIRG Conclusions and Decisions from APIRG/13 to APIRG/17 and identify those which are no longer valid; b) adopt a system of reviewing the validity of Conclusions and Decisions every two successive APIRG meetings; and c) transfer Conclusions and Decisions which have reached maturity and still relevant to appropriate guides, handbooks and manuals for the AFI Region.	ATM/AIM/SAR Sub-Group	APIRG	Conclusions and Decisions reviewed at each SG meeting Review system for consolidation adopted	At each SG meeting Every two years	Implemented an included in the v programme of th ATM/AIM/SAR Sub-Group On-going activit
DECISION 19/85 A & B	**PERFORMANCE-BASED APPROACH METRICS**	That, a) APIRG Sub-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 metrics recommended under SP AFI RAN/08 Recommendation 3/3	ICAO develop indicators	APIRG and its Subsidiary groups	PFFs to incorporate indicators	APIRG/19	On-going activit PFFs to be upda in the Air Navig Reporting Form (ANRFs) aligne with ASBUs modules

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
		and/or others determined to be appropriate indicators for the AFI Region; b) States use the regionally agreed indicators; and c) ICAO organizes regional workshops on performance-based approach to assist States in the development and implementation of performance-based approach related processes.					
CONCLUSION 19/86 A, B & E	**NATIONAL PBN IMPLEMENTATION PLANS**	That, in accordance with Assembly Resolution A37-11 on PBN Implementation, States: a) That have not already done so, complete preparation of their national PBN implementation plans as a matter of urgency, based on the Regional PBN Plan; and b) Provide updates to Regional Offices.	States to develop their National PBN implementation plan Focus efforts and resources on finalizing the National PBN implementation plan	States	Completed national PBN plans Updates on PBN plans and implementation progress provided to Regional Offices	Dec 2012	Deficient States expedite implementation later than Dec 2(
CONCLUSION 19/87 A	**LOWERING OF RNAV/RNP ROUTES UM214 AND UM215**	That States that have not already done so, be urged to establish the lowest usable flight level on the	Concerned States to coordinate implementation and publish in their AIPs	States involved	FL 250 implemented	Dec 2012	As of August 20 Lusaka FIR (Zambia) had sti

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
		RNAV routes UM214 and UM215 as flight level 250 for operational reasons.					not implemente Zambia to provi update
CONCLUSION 19/88 A	**AFI PBN REGIONAL PERFORMANCE FRAMEWORK FORMS**	That the AFI PBN Regional Performance Framework Forms be in the format as at Appendix 3.2A1 to 3.2A3 to the report on agenda item 3.2.	PFFs to be aligned with new ANRF format	ICAO and States	New ANRF format adopted	Dec 2012	PFFs to be upda in the Air Navig Reporting Form (ANRFs) aligne with ASBUs modules ICAO to provid update
CONCLUSION 19/89 A & E	**AFI ATS ROUTE CATALOGUE TEMPLATE**	That, in order to support the process of ATS route development in the AFI Region, including the keeping of a record of ATS routes proposed for development and facilitating follow-up on the actions pertaining to the routes' development: a) the AFI ATS Route Catalogue (AARC template) is adopted as at Appendix 3.2C to the report on agenda item 3.2; and b) AFI States and concerned international organizations are urged to periodically review the Catalogue once completed, note developments and take action as applicable.	Use of AARC to compile and submit new routes to ICAO	IATA	Effective use of AARC to submit and process new efficient routes	2013-2016	On-going activit through the API PRND WG mechanism

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
DECISION 19/90 A	**ESTABLISHMENT OF THE AFI ATM/MET TASK FORCE**	That the Core Team of experts established under APIRG Decision 17/84 is dissolved, and the AFI ATM/MET Task Force be established with the terms of reference and work programme as at Appendix 3.2H to the report on agenda item 3.2.	ICAO initiate process for establishment of the AFI ATM/MET TF	APIRG	AFI ATM/MET TF established Convene activities in accordance with its work programme	APIRG/18 Yearly activities	Completed On-going activit
CONCLUSION 19/91 A	**TRAINING OF AIR OPERATORS PERSONNEL ON AIRSPACE ORGANIZATION**	That, in order to reduce risks of missing flight plans, enhance safety and efficiency, States and concerned international organizations including IATA take necessary measures to ensure that flight planning personnel are adequately trained on the tasks for which they are engaged in the processing of flight plans.	Ensure training of flight planning personnel	States & Organizations	Personnel trained	2013-2015	On-going activit
DECISION 19/92 A	**MONITORING OF SBAS DEVELOPMENT IN ICAO REGIONS IN THE EQUATORIAL AREA**	That, APIRG CNS and ATM/AIM/SAR Sub-groups monitor SBAS developments in other ICAO regions in the equatorial area, for consideration as appropriate when developing/updating its strategy for a cost-effective implementation of GNSS in the AFI Region.	Develop mechanism to monitor SBAS development	CNC & ATM/AIM/ SAR SGs	Monitoring mechanism for SBAS effectively implemented	2012-2015	On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
CONCLUSION 19/93 A	**AWARENESS SEMINARS ON THE AFI AIR TRAFFIC MANAGEMENT VOLCANIC ASH CONTINGENCY**	That ICAO conducts regional awareness seminars on the AFI ATM Volcanic Ash Contingency Plan.	ICAO	ICAO	Seminars conducted regularly	2013-2015	On-going activit
CONCLUSION 19/94 E	**DEVELOPMENT OF ACTION PLANS ON CO2 EMISSIONS REDUCTION ACTIVITIES**	That States: a) continue to consider environmental issues in the planning and implementation of regional air navigation systems; b) bring to the attention of the ICAO Secretariat specific areas where additional guidance on environmental benefits would be valuable; c) ensure that their national Action Plan focal points collaborate with relevant stakeholders for all the operational measures that States wish to develop, implement and/or include in their action plans;	Use of IFSET tools and other guidance to effectively reduce Co2 emissions Ensure participation of aviation experts in UNFCC meetings	ATM/AIM/ SAR SG States	CO2 emissions reduced in all AFI FIRs AFI States are represented in UNFCC events	2012-2015	On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
		d) promote use of the ICAO IFSET tool for the quantification of environmental benefits from operational measures, as part of the development of States' action plans; and e) ensure that civil aviation experts are included in their delegation attending UNFCC meetings where environmental issues are considered.					
CONCLUSION 19/95 E	**ESTIMATIONS AND REPORTING OF OPERATIONAL BENEFITS**	That States: a) are urged to use the ICAO Fuel Savings Estimation Tool (IFSET) or a more advanced tool to estimate environmental protection benefits accrued from operational improvements; b) include environmental benefits analysis in their plans to implement operational improvements that may reduce fuel burn at a regional or national levels; and c) report the benefits to ICAO on a quarterly basis using the table to report environmental benefits of	Use of IFSET tools Share information on benefits	States	Effective use of the IFSET software Operational benefits reported by States to ICAO on quarterly basis	2012-2015	On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
		operational benefits at Appendix 3.7A to this report .					
CONCLUSION 19/96 A	**A SINGLE CENTRALIZED AIR NAVIGATION DEFICIENCIES DATABASE**	That States and International Organizations: a) test the centralized database on iSTARS platform using the guidance at Appendix 4.1A; b) update the data as necessary in coordination with ICAO Regional Offices, Nairobi/Dakar; and c) provide feedback to ICAO Regional Office, Nairobi/Dakar by 31 August 2012.	Access provide to the iSTARs platform. ICAO ensures periodic update of the database	States and international organizations ICAO	Effective use of the database Updated database	June 2014	iSTARs fully implemented However, States need to access a test the system f ICAO needs to monitor progres States
CONCLUSION 19/97 A	**IMPROVEMENT OF DEFICIENCY REPORTING**	That, in order to encourage reporting of deficiencies, follow up, collection of information on impediments to implementation, and to facilitate identification of solutions, AFI States and other stakeholders are encouraged to use the list of reporting areas at Appendix 4.3A to the report on agenda item 4.3, as a guide to minimum reporting.	States adopt effective reporting using minimum reporting areas	States	Improved minimum deficiency reporting	2012-2015	On-going activit
CONCLUSION	**MEASURES TO**	That, among efforts to reduce	States initiate processes	States	Human factors	2013-2015	On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati
19/98 **A**	**ADDRESS HUMAN FACTORS AND INFRASTRUCTURE DEFICIENCIES**	deficiencies, States address the following human factors and aviation infrastructure issues: a) Human Factors i) Undertake training courses to improve the proficiency of controllers on one hand and to assist them in the implementation of runway safety measures on the other hand; and ii) Undertake pilot training on the implementation of runway safety measures, crew discipline on board and measures preventing loss of control. b) Infrastructure deficiencies i) Implement previous APIRG conclusion on CPDLC implementation to back-up VHF and HF in remote areas and ii) Implementation and usage of PBN in TMAs.			addressed which reduces industry deficiencies		
CONCLUSION 19/99 **A**	**PARTICIPATION OF STAKEHOLDERS IN THE APIRG MEETINGS**	That States extend invitation to all stakeholders including meteorology and airport operators and Air Navigation Service Providers (ANSPS) to participate in APIRG meetings.	Stakeholders make provisions to participate	States and other stakeholders	Stakeholders participation	All APIRG meetings	On-going activit

Cons/Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Follow-up Action	To be initiated by	Deliverable/ Intended Outcome	Target Dates	Status of Implementati

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