FOLLOW-UP ON APIRG/22 CONCLUSIONS AND DECISIONS

ATTACHMENT A

ATM

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
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APIRG/22 & RAS	G-AFI/5 CONCLUSI	ONS AND DECISIONS					
Conclusion 1/03:	Implementation of AIAG recommendations by States	That AFI States: a) Implement the State specific and general recommendations of the AIAG16,	States	Implementation of AIAG Recommendations	APIRG/23		On
		b) Commit to: i) Further develop the safety culture (including just culture) in the region through the effective implementation of SSP	States	Implementation of JUST Culture	APIRG/23		Going. States reports given at AIAG meetings.
		and SMS; ii) Ensure that the investigation of events drill down deep into all causal factors, finding	States		APIRG/23	AIAG/17	

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		not only the "what" happened, but more importantly, the "why" it happened; iii) Submit comprehensive investigation report, including all causal factors (the "what" and the "why"), corrective and preventative action to the AIAG Secretariat; and iv) Make concerted efforts to implement more effective civil / military co- ordination and cooperation in the pursuit of improving both safety and efficiency in the	States States	Improvement in determining root cause of incident; overall improved safety	APIRG/23		
Conclusion 1/04:	RVSM Airspace	region. That AFI States:					
	Monitoring	a) Submit RVSM Data to ARMA Office on a monthly basis; b) Encourage Airlines and Operators to periodically height monitor their RVSM approved aircraft; and c) Implement Strategic Lateral Offset Procedures	States/ARMA States/ Air Operators States	Increased RVSM airspace safety against agreed TLS	APIRG/23	ARMA	On- Going

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1	2	and other recommended measures aimed to reduce AFI target level of safety (TLS).	4	5	6	7	
APRIG/22 CONCI	LUSIONS AND DECIS	SIONS					
Conclusion 22/01:	Effective implementation of AFI Regional ANS projects	That, in order to ensure and effective and efficient implementation of APIRG projects, States and industry: a) Commit the necessary resources and infrastructure towards implementation of APIRG decisions and conclusions; b) Effectively participate in AFI projects, including those linked to the APIRG Decisions and Conclusions; c) Strengthening the	States/ Industry States/ Industry	Improved implementation of APIRG Projects; overall improvement in TLS in the region.	APIRG/23	Secretariat	On- Going

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1	2	effectiveness and efficiency of ANS related projects such as but not limited to the African Flight Planning Procedures Programme (AFPP) and ANSP Peer review mechanism.	4 States/ AFPP	Achievement of the ICAO Strategic objective	6	7	
Conclusion 22/02:	Regular and timely reporting on the status of implementation of APIRG Conclusions and Decisions	That in order to strengthening the AFI air navigation reporting system, Administrations/Organizations: a) Establish effective internal mechanisms within civil aviation organizations to facilitate collection of information on the status of implementation of APIRG Conclusions and Decisions in all applicable areas through the Air navigation reporting Forms (ANRFs);	States	Effective reporting and improved flow of information and data	APIRG/23	Secretariat	On- Going

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	2	b) Provide the ICAO Secretariat and all relevant parties with the required information on the status of implementation of Conclusions and Decisions on a regular basis, in order to assess progress in the strengthening of the air navigation system and to enable reporting by ICAO to APIRG; c) Timely report on Incidents and continuously fill up the AFI Air Navigation Deficiency Database (AANDD).	States/ Secretariat CAAs/ Secretariat	Timely update of the AANDD and deficiency identification and resolve	APIRG/23	Secretariat	
Decision 22/03:	Revised AFI SSR Code Management Plan (CMP)	That: a) the amendment proposals to the AFI SSR Code Management	States				Completed

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		Plan (CMP) provided at Appendix 4B to this report are endorsed; b) the Secretariat should finalize and disseminate the revised CMP, and initiate the consequential	Secretariat	Implementation of a revised CMP	APIRG/23	Secretariat	On- Going; pending PfA
		amendments to the AFI Air Navigation Plan (eANP), ensuring coordination as necessary between the ICAO AFI and adjacent Regions; and c) In coordination with States, the Secretariat should monitor substantial developments such as air traffic increase, airspace restructuring, operational requirements, etc. and ensure that related proposals for amendment to the ANP	States/ Secretariat				

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		are initiated in a timely manner					
Conclusion 22/04:	SSR Code Occupancy Time	That: a) Effective 8 November 2020, the protection period will change from three hours to two hours; Protection period of more than 2hrs applied within specific FIRs should be justified by need taking into consideration of such factors as flight time across FIRs/Blocks of airspace as applicable, and supported by sound safety assessment in accordance with ICAO safety management provisions; and b) The Secretariat take necessary measures to amend the SSR code	CAAs	Implementation of the revised SSR CMP Revised CMP and AFI ANP Doc 7474	8 Nov 2020 APIRG/23	ASCAAR project Team and Secretariat	On-Going; workshop held on 27 – 31 January 2020, SSR codes allocation revised and Doc 7474 Extract amended

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1	2	3	4	5	6	7	
		allocation table in the AFI ANP Doc 7474					
Conclusion 22/05:	Collection of data on traffic volumes and patterns in the AFI Region and the interface with other ICAO Regions	That: The APIRG Traffic Forecast Group (TFG), with support of the Air Transport Bureau (ATB), take necessary action to obtain traffic data from States and traffic forecasts, in order to assess the relevance of the traffic information and data for use in reviewing the AFI SSR CMP elements.	TFG/ ATB	Adequate traffic data for use in evaluation	APIRG/23	APIRG Secretariat	Pending; requires input from the APIRG TFG
Decision 22/06:	Workshops to Facilitate Implementation of the Revised SSR Code Management Plan	That: ICAO ESAF and WACAF Regional Offices arrange for workshops before 31 March 2020 to provide knowledge and awareness on the revised CMP, and to facilitate coordination between ATS Units.	Secretariat	Technical competency within the states	31 March 2020	Secretariat	Completed Workshop held on 27-31 January 2020
Conclusion 22/07:	Improvement and funding of States PBN Implementation Plans	That: States that have not already done so, are urged to review	States				

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		their PBN implementation plans to ensure that: a) they are sufficiently robust and detailed to effectively support implementation thereof; and b) they are formally adopted at the appropriate level of the State/ANSP and are accordingly funded.		Implementation of PBN National Plans	APIRG/23	AFPP	On-Going
Conclusion 22/08:	Implementation of PBN with CCO and CDO	That: a) States that have not already done so, are urged to coordinate with the ICAO AFPP for the review and confirmation of status of their PBN - CCO/CDO procedures; and b) ICAO organize workshops to provide the requisite	States and AFPP Secretariat	Effective implementation of CCO/CDO; with overall result - 75% of Instrumen t Runways to have PBN procedure s by end of 2020;	APIRG/23	AFPP	On-Going PBN airspace Design course focus on CCO/CDO conducted on 9-13 December 2019 Completed Workshop to provide awareness on

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1	2	knowledge and assistance to facilitate PBN -CCO/CDO implementation in the AFI Region.	4	- 100% of Instrumen t Runways to have PBN Procedure s by end of 2025.	6 APIRG/23	7 Secretariat	CCO/CDO held on 16-20 December 2019
Conclusion 22/09:	Follow-up on the AFI Plan SAR Projects for AFI States	That: a) AFI States: i. Expedite the development and operationalisation of their SAR plans, which should include State agencies that would be involved with supporting SAR operation; ii. Coordinate directly with the authorities responsible for SAR in adjacent States and arrange for signing of their SAR agreements as	States		APIRG/23	Secretariat	On-Going

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		soon as practicable and in-form ESAF and WACAF Regional Offices; iii. Use Regional Economic Communities (RECs) frameworks to pursue signing of outstanding SAR agreements where high level intervention is required; b) Having adequate SAR	States and RECs	Implementation of Robust and effective national SAR		APIRG Secretariat	
		b) Having adequate SAR expertise and resources to assist other States, upon request, in improving their SAR organisation and capabilities; and c) IATA / Airlines include SAR requirements as part of their pre- operational assessment and technical	Air Operators	systems	APIRG/23	IATA	

	ecision Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
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a) Somalia is urgate ensure that needs safety assessment applicable mitting implemented, it accordance with provisions of A Annex 19 and ATM Doc 4444 the implementation traffic control and ADS-C/CF b) In order to minting the risk of safety assessment and applicable mitting implementation traffic control and ADS-C/CF b) In order to minting the risk of safety assessment and applicable mitting implementation traffic control and ADS-C/CF b) In order to minting the risk of safety assessment and applicable mitting implementation traffic control and ADS-C/CF b) In order to minting the risk of safety assessment and applicable mitting implementation traffic control and ADS-C/CF b) in order to minting the risk of safety assessment and applicable mitting implementation traffic control and ADS-C/CF b) in order to minting the risk of safety assessment and applicable mitting implemented, it accordance with a control and applicable mitting implemented, it accordance with a control and applicable mitting implemented, it accordance with a control and accord	cessary ents are d igations in th the Annex 11, PANS- 4, before ation of al ding the n of air service PDLC; nimize ty uring the C trials, oreceded tion of air	Implementation of Class A airspace in the Mogadishu FIR Increased RVSM airspace safety against agreed TLS.	APIRG//23 APIRG/23	APIRG Secretariat	On-Going
l l l l	panels/missic States/ ANSF That: a) Somalia is urgensure that new safety assessments carried out and applicable mit implemented, if accordance with provisions of Annex 19 and ATM Doc 4444 the implementation changes, inclusional and ADS-C/CF b) In order to min the risk of safety degradation did ADS-C/CPDL such trials be possible to the such trials to the such trials be possible to the trials to the such trials trials trials trials trials trials trials trials trials t	panels/missions to States/ ANSPs. That: a) Somalia is urged to ensure that necessary safety assessments are carried out and applicable mitigations implemented, in accordance with the provisions of Annex 11, Annex 19 and PANS- ATM Doc 4444, before the implementation of any operational changes, including the implementation of air traffic control service and ADS-C/CPDLC;	panels/missions to States/ ANSPs. That: a) Somalia is urged to ensure that necessary safety assessments are carried out and applicable mitigations implemented, in accordance with the provisions of Annex 11, Annex 19 and PANS- ATM Doc 4444, before the implementation of any operational changes, including the implementation of air traffic control service and ADS-C/CPDLC; b) In order to minimize the risk of safety degradation during the ADS-C/CPDLC trials, such trials be preceded by implementation of air	and simplemented, in accordance with the provisions of Annex 11, Annex 19 and PANS-ATM Doc 4444, before the implementation of any operational changes, including the implementation of air traffic control service and ADS-C/CPDLC; b) In order to minimize the ADS-C/CPDLC trials, such trials be preceded by implementation of air windless and the processions of the provisions	3

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		c) ICAO is requested to continue providing guidance and assistance to Somalia and the FISS, as necessary; d) Somalia/FISS should continue to inform airspace users of the transition and availability of associated services in a timely manner; and	Somalia		APIRG/23		
		e) Airspace users are requested to report incidents to the State, IATA and ICAO for necessary follow-up action, including mitigation measures.	Air Operators			IATA and ICAO	
Conclusion 22/12:	Establishment of the AFI Performance- Based Communication and Surveillance (PBCS) Monitoring	That: a) The AFI PBCS monitoring should be established as part of the AFI RMA monitoring mechanism b) ICAO to formally	ARMA				

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1	2	request South Africa, as matter of urgency, to facilitate the inclusion of PBCS monitoring in the functions and responsibilities of the AFI Regional Monitoring Agency (ARMA) and provide necessary expertise for both functional areas (RVSM and PBCS), as well associated support to States and service providers as applicable; c) South Africa be	ICAO/ RSA	Implementation of the AFI PBCS monitoring	6	7	Pending Formal letter to be provided to ARMA
		mandated to formulate cost recovery mechanism in accordance with ICAO policies and in coordination with users and AFI ANSPs as necessary, and provide an update to AFI States and ANSPs through the			APIRG/23	Secretariat	

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		Secretariat and the APIRG framework; d) The Secretariat to provide assistance and support as necessary to facilitate early establishment of the AFI PBCS monitoring mechanism; and e) The proposed terms of reference of the ARMA relating to PBCS monitoring at Appendix 4C to this report be reviewed and updated as necessary. f) PBCS monitoring should be established as part of the South Atlantic Regional Monitoring Agency (SATMA) monitoring mechanism	Secretariat/ARMA Secretariat		APIRG/23		Reversion of the ARMA ToRs
Decision 22/13:	Adoption of RCP 240 and RSP 180 for PBCS	That, a) AFI States start pre-	States				

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	operations in AFI Region	implementation as RCP/RSP specifications have been de-fined to establish PBCS policies for ANSP, Operators and Airworthiness. Pub- lish the PBCS requirements in Aeronautical Information Publication; b) States/ANSPs adopt RCP 240 and RSP 180 for implementation in the AFI and SAT area and establish a line of communication with AFI Regional Monitoring Agencies regarding non- compliance. c) ANSPs establish mechanisms to recognize RCP/RSP Capabilities in ATC automation and provide	States/ANSPs ANSPs	Implementation and Harmonisation of the Required Performance framework for Communication and surveillance in the AFI region	APIRG/23	Secretariat/ States/ ARMA/ IATA	Pending

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1	2	RCP/RSP compliant air traffic services; d) Operators prepare to file RCP/RSP capabilities in flight plans and participate in PBCS Implementation and Monitoring programmes; and e) States that have aircraft that operate outside of the AFI Region to start developing PBCS policies to help their operators with RCP/RSP(PBCS) Approvals as per ICAO Doc 9869.	Air Operators States	5	6	7	
Conclusion 22/14:	Adoption of the AFI ATM Contingency Plan	That: a) the classification of contingencies into the proposed level 1, 2 and	States	Harmonized Contingency Plans for the AFI region	APIRG/23	Secretariat	Completed

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	2	level 3 contingencies is adopted;	4	5	6		
		b) the Regional Contingency Routes for level 2 and level 3 contingencies are adopted; c) the AFI Regional ATM Contingency Plan in Appendix 4J is			APIRG/23	Secretariat	
		adopted; and d) the establishment for an AFI Regional Contingency Coordination Team (CCT) that includes Regional ATM/SAR Officers (ESAF/WACAF), State Focal Points, ARMA, IATA, IFALPA, IFATCA, CANSO, etc. is endorsed.	ICAO ROs	Active AFI CCT			Completed: 3 CCT have been activated since establishment in August 2019
Conclusion 22/15:	Implementation of eleventh TAG meeting report	That: a) States update the	States/	Improved safety in the AFI RVSM airspace		Secretariat	On-going

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		contact details of RVSM National Programme Managers or Focal Points by 31 December 2019; b) ICAO and ARMA jointly conduct seminars for State agencies and RVSM NPM/Focal Points in 2019 to inform and/or update them on RVSM requirements and post implementation responsibilities of States, ANSPs, Airspace Users and other stakeholders;	ICAO/ ARMA	Technical competency within the States	APIRG/23	Secretariat	Pending
		c) ICAO ESAF and WACAF Regional Offices facilitate Coordination Meetings for Ad-dis Ababa, Kinshasa and either Gaborone or Lusaka FIRs, and ensure the participation of neighbouring FIRs and/or ATC Units to resolve the high numbers	ICAO ROs	Reduction in coordination failures/improve d TLS and reduction in CRA level			One coordination meeting held on 8 th July 2020 with SCAA 2 nd CM planned for 6 th August 2020 with MID

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		of Co-ordination Failures by 30 June 2020; d) States/ANSPs be urged to report all vertical events involving large height deviations and take the necessary corrective action to	ANSPs	Reduction in coordination failures/improve d TLS and reduction in CRA level	30 June 2020	ARMA	region for Red Sea states
		reduce the total vertical risk further down to below the total vertical Target Level of Safety; e) AFI Trans-regional co- ordination failures between Sanaa FIR and Mogadishu, Asmara and	ICAO ROs	CRA ICVEI		ICAO ROs	On-Going 3rd CM for Vic. Falls states planned to take place by end of Sept 2020
		Djibouti should be given immediate attention due to the number of events that have occurred; and f) States/FIRs which have not yet done so are urged to submit all the RVSM data from 2018 to 2019 and establish a mechanism for	States	Reduced CRA level	APIRG/23	ARMA	On-Going

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1	2	3	4	5	6	7	
		submission of monthly data to ARMA.					
Conclusion 22/17:	Participation of States and Organizations to the AAO sub- group and Project Teams activities	That: To support the implementation of projects, States, IATA, Aerodromes Operators and ACI are requested to provide more Experts by sending letters of nomination with the CVs to ICAO Regional Offices. In Addition, Aerodrome Operators and ACI should participate and effectively support the AAO/SG and APIRG activities including meetings.	States	Improved implementation of APIRG Project	APIRG/23	Secretariat	On-Going Lack of response to SL by states
Conclusion 22/20:	Amendment to the AFI Air Navigation Plan (eANP, Doc 7474)	That: a) APIRG endorse the final Draft of AFI ANP Volume II as presented in Appendix 4E to the report; b) AFI States provide timely inputs to Volume III of the AFI ANP as at Appendix 4F to this	APIRG/22 States	Updated AFI ANP	APIRG/23	Secretariat	On- Going

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1	2	report, once circulated for comments; c) States comply with the procedures for amendment (PfAs) of the AFI eANP upon initiation by the ICAO ESAF and WACAF Regional Offices; and d) The ESAF and WACAF Regional Offices expedite the processing of all outstanding requests for changes to the ANP submitted by States for inclusion in Volumes I and II of the AFI eANP, as soon as practicable.	States ICAO ROs	5	6	ICAO ROs	
Conclusion 22/30:	Harmonization of the implementation of ASBU elements in the AFI Region	That, in order to ensure a harmonized implementation of ASBU elements: a) States: i) Strengthen the necessary bilateral and multilateral arrangements for the coordinated and effective	States	Harmonised implementation of ASBU elements		Secretariat	On- Going

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	2	implementation of the ASBUs modules with the view of ensuring systems and services interconnectivity and interoperability. ii) Appoint National Focal Points to coordinate at State level the implementation of ASBU; iii) Develop National Implementation Plans for the coordinated implementation of ASBU. b) ICAO provides more Training workshops to improve the understanding on ASBU and the new modules for Block 1.	States	Technical Competency within the States	6 APIRG/23	ICAO ROs	ICAO/CANSO ASBU Webinar planned by end of August 2020
Conclusion 22/32:	Operationalisation of the AFI Air Navigation Deficiency Database	That: a) ICAO to expedite the development of a harmonised methodology to be used by all regions on the reporting of deficiencies; b) That the	ICAO ROs	Active and updated AANDD and overall reduction in		ICAO ROs	On-Going Minimum reporting areas identified Updating of the system by

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		Database be improved to enable States upload evidence for the closure of deficiencies; c) States to appoint Focal points to be trained by ICAO; and ICAO ESAF and WACAF Regional Offices hold workshops to train Focal Points on how to interact with the database.	States ICAO ROs	Technical competency at state level	APIRG/23	ICAO ROs	ICAO ROs ICT ongoing SL issued and Appointment of FPs ongoing, Workshop for FPs pending.
Conclusion 22/33:	Implementation of AFI Plan 2019 Aviation Infrastructure for Africa Gap Analysis Recommendations	That: a) The Secretariat should prepare the gap analysis of a long term horizon based on 25- year projections of traffic growth, operational and capacity / regulatory requirements, and demand for aviation professionals; b) States and RECs	APIRG Secretariat States and RECs	Gap Analysis Report	APIRG/23	AFI Plan	Pending Contributions towards the development of the plan expected from states.

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		should utilize available guidance material from ICAO and the results of the gap analysis to prepare national and regional Aviation Master Plans; c) RECs and States should determine the funding required to bridge the long term infrastructure gaps and identify appropriate financing mechanisms at State and / or regional level; and d) Regional programme with specific plans, projects and effective implementation monitoring mechanism should be developed by States and RECs to ensure that the identified gaps are properly addressed.	States and RECs States and RECs	AFI Regional Implementation Plan			

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	-	4	5	6	7	
Organization of a Round Table for PIRG Projects funding	That; In order to ensure sustainable funding for effective implementation of APIRG Projects in accordance with regional programmes: a) ICAO, with the assistance of AFCAC and Regional Economic Commissions, explore mechanisms for the establishment of a framework for the funding of APIRG Projects preferably before the end of year 2020. b) A Round Table meeting be convened to consider in particular the Air Navigation Deficiencies identified by APIRG and the outcome of assessments and gap analysis of the AFI Air Navigation Infrastructure and systems	ICAO and AFCAC	Adequate Funding for APIRG Projects	APIRG/23	APIRG/Secr etariat Secretariat	Contribution towards the report to round Table expected from AAO SG
)1 20 .I	rganization of a bund Table for PIRG Projects	rganization of a pund Table for PIRG Projects in accordance with regional programmes: a) ICAO, with the assistance of AFCAC and Regional Economic Commissions, explore mechanisms for the establishment of a framework for the funding of APIRG Projects preferably before the end of year 2020. b) A Round Table meeting be convened to consider in particular the Air Navigation Deficiencies identified by APIRG and the outcome of assessments and gap analysis of the AFI Air Navigation	rganization of a pund Table for PIRG Projects in accordance with regional programmes: a) ICAO, with the assistance of AFCAC and Regional Economic Commissions, explore mechanisms for the establishment of a framework for the funding of APIRG Projects preferably before the end of year 2020. b) A Round Table meeting be convened to consider in particular the Air Navigation Deficiencies identified by APIRG and the outcome of assessments and gap analysis of the AFI Air Navigation Infrastructure and systems and identify feasible	rganization of a mond Table for PIRG Projects in accordance with regional programmes: a) ICAO, with the assistance of AFCAC and Regional Economic Commissions, explore mechanisms for the establishment of a framework for the funding of APIRG Projects preferably before the end of year 2020. b) A Round Table meeting be convened to consider in particular the Air Navigation Deficiencies identified by APIRG and the outcome of assessments and gap analysis of the AFI Air Navigation Infrastructure and systems and identify feasible	granization of a bund Table for PIRG Projects implementation of APIRG Projects implementation of APIRG Projects in Accordance with regional programmes: a) ICAO, with the assistance of AFCAC and Regional Economic Commissions, explore mechanisms for the establishment of a framework for the funding of APIRG Projects preferably before the end of year 2020. b) A Round Table meeting be convened to consider in particular the Air Navigation Deficiencies identified by APIRG and the outcome of assessments and gap analysis of the AFI Air Navigatiom Infrastructure and systems and identify feasible	and Table for PIRG Projects and Iranian programmes: a) ICAO, with the assistance of AFCAC and Regional Economic Commissions, explore mechanisms for the establishment of a framework for the funding of APIRG Projects preferably before the end of year 2020. b) A Round Table meeting be convened to consider in particular the Air Navigation Infrastructure and systems and identify feasible

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1	2	c) The outcome of the Round Table be shared with the African Union and United Nations specialized institutions promoting a sustainable development.	4	5	6	7	
Conclusion 22/35:	Seamless Air Traffic Management	That, in order to improve the seamless flow of air traffic in the AFI Region: a) the development of an AFI ATM regional Vision Document, Concept of Operations and Master ATM Plan with enabling Infrastructure Strategy for Africa, is endorsed; b) the ATM Infrastructure Strategy should be developed in collaboration with aviation stakeholders; c) the ICAO Regional	States	AFI ATM CONOPS and Master Plan	APIRG/23	Secretariat	Pending – identification of Regional Experts
		Offices consider the hosting of an AFI Air Navigation Summit on	ICAO ROs	Improved understanding of Seamless ATM system		ICAO ROs	Pending

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		seamless ATM system for the AFI Region in 2020; d) the finalized Master ATM Infrastructure Strategy for Africa should be endorsed and approve by the African Union through the appropriate channels and following an agreed process including timelines;	ICAO and AFCAC	AU approval of the ATM Master Plan	APIRG/23	Secretariat	Pending Experts to be identified
		e) the process and timelines for the implementation of the strategy and the cascading of the strategy to States should be achieved through the development of National Aviation Master Plans and an agreeable funding model; and f) AFCAC should monitor and follow up with States the	AFCAC	Implementation of National Aviation Master Plans		APIRG Secretariat	

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
1	2	implementation of the process, and encourage States to remove	4	5	6	7	
		Foreign OpSpecs requirements as per ICAO Annex 6 and Doc. 8335 and improve the					
		process of timely approval of overflight clearance.					
Conclusion 22/36:	Free Routing Airspace	That, in order to foster the concept of free routing in the AFI continental airspace in preparation for the ASBU B1 module, a) States consider incorporating Free Route Airspace concept	States	Implementation of FRO in the AFI airspace			Route Lab held on 16-20 Dec 2019 – 30 new routes
		into their national airspace concept and ATM Master Plan in line with the B1-FRTO ASBU module and AAO Sub-Group project plans; and b) East African	East African States		APIRG/23	Secretariat	developed; States implemented DRO WEF 16 July 2020

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
1	2	States including, Seychelles, Mauritius, Kenya, Ethiopia, Tanzania and Uganda develop and implement Free Route Airspace as a case study for implementation of Free Routing Airspace in AFI Region as part of B1- FRTO ASBU module.	4	Implementation of Case Study FRO in the East African airspace	6	ICAO ESAF RO	SL to identify FPs sent, State response ongoing FP meeting planned by 30 August 2020.
Conclusion 22/37:	Operations of Unmanned Aircraft Systems (UAS)	That, a) States are urged to coordinate with other States in the harmonisation of UAS regulations. b) ICAO to provide guidance material on seamless integration of UAS into non-segregated airspace.	States	Harmonised integration of UAS Operations	APIRG/23	Secretariat	On-Going States to develop UAS National Regulations
Conclusion 22/38:	ANSP Peer review mechanism	That:					

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
1	2	a) The relevant ANSP	4 ANSPs	5 Harmonised	6	7 Secretariat	
		 a) The relevant ANSP Peer review manual as adopted be used by all ANSPs; b) In order to strengthen the African ANSP Peer 	ANSPS	Approach to the Peer Review programme		Secretariat	
		Review Programme, an AFI Plan Project be established to enhance the human resource capacity to support ANSPs; c) African ANSPs	AFI Plan	Incorporation of the African ANSP Peer Review into the AFI Plan Projects			On- Going
		strengthen their cooperation towards enhancement of safety and efficiency of air transport operations in Africa; and share the benefits of the African ANSP Peer Review Program, with other ICAO Regions as a mean of improvement of Air Navigation services.	ANSPs and ICAO	Enhanced interregional safety	APIRG/23	ICAO ROs	

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
1	2	3	4	5	6	7	
Conclusion 22/40:	Mandate for ADS-B Transponder Extended Squitter 1090 equipage in the AFI Region	That: a) States and aircraft operators ensure that all aircraft operating within the AFI RVSM airspace are equipped with ADS-B Transponder Extended Squitter 1090 by June 2023 (AIRAC date); b) An Assessment for a Go or No Go Decision be conducted on 2022 targeting 90% aircraft equipped with Transponder Extended Squitter 1090 for AFI RVSM airspace as the threshold; and c) States and aircraft operators ensure that all aircraft operating within the AFI Region airspace are equipped with ADS-B Transponder Extended Squitter 1090 by	States and Air operators	Full Implementation of ADS-B Transponder ES in AFI Region by 2023 ADS B aircraft equipage assessment report	June 2023 APIRG/23 January 2025	States ICAO and IATA	Pending

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
1	2	3	4	5	6	7	
		January 2025 (AIRAC date).					
Conclusion 22/42:	APIRG/22 Conclusion 22/42: SAT Procedural Hand book	That: a) A Study Group composed with the relevant AFI SAT States/Organizations under the coordination of the Secretariat is established with the mandate to review and finalize the SAT Procedural Handbook submitted by SAT /24; b) The Group will carry out its assigned task in coordination and consultation with the NAT and CAR/SAM Administrations/Organi zations involved in SAT activities and report to APIRG through the APCC for consideration.	AFI SAT States	SAT procedural Handbook	SAT/25 APCC/5	SAT Secretariat	On- Going

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
Conclusion 22/43:	Participation in the 2nd Atlantic Coordination Meeting (ACM/2) and NAT SOG/21 Meeting	That: a) AFI States are requested to participate in the planned ACM/2 meeting to be held during the first quarter of 2020; and c) SAT States, through the ICAO Regional Offices concerned, to participate as observers the NAT SOG/21 meeting in Madrid, Spain.	AFI SAT States	Full Participation by the AFI Region	6 APIRG/23	AFI SAT Secretariat	Completed ACM/2 took place on 18- 20 February 2020, AFI SAT attended
Decision 22/44:	Focal points for coordination between SAT and NAT	That the Secretariat coordinate and confirm the appointment of focal points to coordinate with the NAT on the identified and prioritized list of projects as per the ACM/1 meeting resolution.	States and SAT Secretariat	Active participation by AFI States on ACM projects	APIRG/23	SAT Secretariat	On- Going
Conclusion 22/45:	PBCS Monitoring by RMAs	That the Regional Monitoring Agencies SATMA, ARMA and CARSAMMA update their ToRs	RMAs	PBCS monitoring incorporated	APIRG/23	ARMA	Pending

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Report/ Completio n date	Follow up Action by	Commen t on Status of impleme ntation
1	2	for the inclusion of PBCS monitoring and the installation plans for an additional RVSM HMU in the AFI Region to ensure global harmonization.	4	into ToRs for the RMAs	6	7	ICAO SL to ARMA pending
Conclusion 22/46:	Formalization of the SAT Group	That States and SAT role players are requested to provide information to the SAT Secretariat related to various options be considered by ICAO to formalize the SAT Group with the aim to further improve coordination with the NAT, harmonize operations and provide a platform for discussions, by 31 October 2019.	AFI SAT States	Implementation of the SAT GROUP	31 October 2019	SAT Secretariat	On- Going
Decision 22/47:	Formalization of the SAT Group	That the Secretariat coordinate the various options proposed by the SAT role players to formalize the SAT Group with ICAO HQ for presentation to the ANC and Council.	APIRG Secretariat	Presentation of proposal for harmonisation of SAT Group to ANC and ICAO Council	APIRG/23	ICAO ROs	On- Going

ATTACHMENT B

FOLLOW-UP ON APIRG/22 CONCLUSIONS AND DECISIONS

AOP

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
APRIG/22 CONCL	LUSIONS AND DECIS	SIONS					
Conclusion 22/02:	Regular and timely reporting on the status of implementation of APIRG Conclusions and Decisions	That in order to strengthening the AFI air navigation reporting system, Administrations/Organizations: a) Establish effective internal mechanisms within civil aviation organizations to facilitate collection of information on the status of implementation of APIRG Conclusions and Decisions in all applicable areas	States	a).Robust and Updated Status of APIRG Conclusion s and Decisions	APIRG/23	Secretariat and States	Very few States have provided data/informatio n on Status on implementation of APIRG Conclusions and decisions.

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
		through the Air navigation reporting Forms (ANRFs); b) Provide the ICAO Secretariat and all relevant parties with the required information on the status of implementation of Conclusions and Decisions on a regular basis, in order to assess progress in the strengthening of the air navigation system and to enable reporting by ICAO to APIRG; c) Timely report on Incidents and continuously fill up the AFI Air Navigation Deficiency Database		d). Updated AANDD			
Conclusion 22/16:	Implementation of the aerodrome operations project	(AANDD). That: a) Experts to be members of the Project Teams have been identified as per the AAO SG/2 report; b) Project Teams are	a). States b). State Project team members	Project document	APIRG/23	Project team members	Unavailability of some project team members leading to slow progress of some projects.

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
		tasked to coordinate the development of project documents and implementation strategies in collaboration with the Secretariat before end of 2018; c) Project Teams should report on the progress made in the implementation of the projects to the AAO-SG; and d) The Secretariat to circulate a follow-up State Letter to concerned States and organizations, informing them of the nomination of the Project Teams members and re-minding them to provide adequate support to the Project Teams activities.	c). Project team members d). ICAO Regional Office				
Conclusion 22/17:	Participation of States and	That:	States	Nominated States and	-	Secretariat	Some nominated

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
	Organizations to the AAO sub- group and Project Teams activities	To support the implementation of projects, States, IATA, Aerodromes Operators and ACI are requested to provide more Experts by sending letters of nomination with the CVs to ICAO Regional Offices. In Addition, Aerodrome Operators and ACI should participate and effectively support the AAO/SG and APIRG activities including meetings.		CVs for experts			experts have moved from Organizations while some nominated experts are not available to State specific assignments. Need to have more experts identified and nominated by States and Organizations.
Conclusion 22/18:	Certification of international aerodromes	That: a) States should ensure the implementation of their aerodrome certification action plans, including timely resolution of deficiencies found on airports b) States are encouraged to share their experiences and host workshops and trainings on aerodromes matters.	a). States b). States	Certified Internation al Airports	Dec.2020	States	Some States have implemented action plans while others not due to challenges related to human expertise and financial resources.

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
Conclusion 22/19:	Establishment of effective Runway Safety Teams at aerodromes in the AFI Region	That: a) States that have not yet done so, are requested to ensure the establishment of effective Local Runway Safety Teams at their aerodromes used for international operations.	a). States	Registered and Operational Runway Safety Teams at Internation al Airports	APIRG/23	States and Runway Safety Go teams	*45% of International Airports have RST States with no RST have not
		international operations before end of 2020; b) ICAO, States, RST Partners and industry should continue to support the Runway safety programme through the implementation of the	b). ICAO, States, RST partners				requested assistance.
		Global Runway Safety Action Plan recommendations; and c) ICAO AFI Regional Offices to remind States to request for the assistance of the RASG- AFI Go-Team for the establishment of	c). ICAO Regional Offices				

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
		effective LRST at their aerodromes.					
Conclusion 22/20:	Amendment to the AFI Air Navigation Plan (eANP, Doc 7474)	That: e) APIRG endorse the final Draft of AFI ANP Volume II as presented in Appendix 4E to the report;	a). APIRG	Amended ANP	APIRG/23	States	Ongoing PFAs for submitted requests.
		f) AFI States provide timely inputs to Volume III of the AFI ANP as at Appendix 4F to this report, once circulated for comments;	b). States				
		g) States comply with the procedures for amendment (PfAs) of the AFI eANP upon initiation by the ICAO ESAF and WACAF Regional Offices; and	c). States				
		h) The ESAF and WACAF Regional Offices expedite the processing of all outstanding requests for changes to the ANP submitted by States for	d). ICAO Regional Offices				

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclus	sion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3		4	5	6	7	
		and II of	in Volumes I the AFI eANP, as practicable.					
Conclusion 22/21:	Harmonization of the information published by States related to aerodromes	That: States should he information po AFI eANP, the SAAQ and the	ublished in the eir USOAP	States	Harmonize d data		States	A number of States have harmonised data while others are doing through PFA and updating of SAAQ
Conclusion 22/32:	Operationalisation of the AFI Air Navigation Deficiency Database	That: e) f)	ICAO to expedite the development of a harmonised methodology to be used by all regions on the reporting of deficiencies; That the Database be improved to enable States upload	a). ICAO Regional Offices b). ICAO Regional Offices				ICAO has developed a platform for AANDD and sensitization is planned in in due course.

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text o	f Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3		4	5	6	7	
			evidence for) G				
			the closure of	c). States				
		,	deficiencies;					
		g)	States to					
			appoint Focal					
			points to be	d). ICAO				
			trained by	Regional Offices				
		7.	ICAO; and					
		h)	ICAO ESAF					
			and WACAF					
			Regional					
			Offices hold					
			workshops to					
			train Focal					
			Points on how to interact					
			with the					
			database.					
			aatabase.					
Conclusion 22/33:	Implementation of AFI Plan 2019 Aviation Infrastructure for Africa Gap Analysis Recommendations	That: e)	The Secretariat should prepare the gap analysis of a long term horizon based on 25-year projections of traffic growth, operational and capacity / regulatory	a). AFI Plan secretariat	Aviation Infrastructu re GAP Analysis report		Secretariat	Africa Aviation GAP Analysis report

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
1	2	requirements, and demand for aviation professionals; f) States and RECs should utilize available guidance material from ICAO and the results of the gap analysis to prepare national and regional Aviation Master Plans; g) RECs and States should determine the funding required to bridge the long term infrastructure gaps and identify appropriate financing mechanisms at State and / or regional level; and h) Regional programme with specific plans, projects and effective implementation monitoring mechanism should be developed by	b). States and RECs c). RECs and States States and RECs	5	6	7	
		States and RECs to ensure that the					

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
		identified gaps are properly addressed.					
Conclusion 22/34:	Organization of a Round Table for APIRG Projects Funding	That; In order to ensure sustainable funding for effective implementation of APIRG Projects in accordance with regional programmes: d) ICAO, with the assistance of AFCAC and Regional Economic Commissions, explore mechanisms for the establishment of a framework for the funding of APIRG Projects preferably before the end of year 2020. e) A Round Table meeting be convened to consider in particular the Air Navigation Deficiencies identified by APIRG and the outcome of assessments and gap analysis of the AFI Air Navigation Infrastructure and systems	a). ICAO and RECs b). ICAO and States	ICAO/REC s	APIRG/23	ICAO/RECs	Consultations with RECs underway

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
		and identify feasible solutions to be funded; f) The outcome of the Round Table be shared with the African Union and United Nations specialized institutions promoting a sustainable development.	c). ICAO and States				
Conclusion22/41:	Implementation of the Runway surface conditions Global Reporting Format (GRF)	That: a) States should: i) set up national and local plans with dedicated Teams, for the implementation, and make use of existing national and regional mechanisms to support the implementation of the GRF (RSTs, Go-Teams, RSOOs,) ensure appropriate participation of the concerned	a). States i). States	GRF Implementa tion plan	Nov.2021	States	Seminars and workshops on sensitization on GRF carried out in ESAF and WACAF. GRF implementation plans in place in
		stakeholders (CAAs, airports operators, ANSPs, airlines,) to the upcoming seminars (Accra, Nairobi and Johannesburg); ii) States should report on the implementation of the	ii). States				some a number of States.

Conclusions/ Decisions No.	Title of Conclusion/ Decision	Text of Conclusion/Decision	Responsibility	Deliverabl e	Report/ Completion date	Follow up Action by	Comment on Status of implementatio n
1	2	3	4	5	6	7	
		GRF to the ICAO regional Offices; b) International Organizations (IATA, ACI, CANSO, ASECNA,) should actively participate in the conduct of the Seminars and any further required activities; and c) ICAO Regional Offices and International Organizations such as ACI, IATA, etc. to increase training activities, including onsite trainings.	b). International Organizations a). ICAO and International Organizations				