INTERNATIONAL CIVIL AVIATION ORGANIZATION

**Third Meeting of the APIRG Airspace and Aerodrome Operations Sub-Group
(AAO/SG3), Virtual Meeting, 3 to 5 August 2020**

Agenda Item 3:   *Status of implementation of TAG/11 and TAG 12 Reports*

2.1   STATUS OF IMPLEMENTATION OF TAG/11 and TAG/12 REPORTS

(Presented by the Secretariat)

SUMMARY

This paper presents the status of implementation of conclusions and discussions emanating from the **TAG/11 and TAG/12** meetings held in **Johannesburg, South Africa,** on **08 March 2019** and **13 March 2020** respectively**.**

Reference:
TAG/11 and TAG/12 Summary of Discussions

Action required: *See paragraph 3*

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1.   Introduction

1.1   This Working Paper presents the status of implementation of the Summary of Discussions by the TAG/11 and TAG/12 meetings held in Johannesburg, South Africa, on 08 March 2019 and 13 March 2020 respectively.

1.2   Follow-up actions indicated in the below table have been established according to information available at the Secretariat.

2   Discussion

2.1   The TAG/11 meeting discussed eight (8) Agenda items and formulated a number of action items to be implemented by States and TAG members. TAG/12 meeting reviewed the status of implementation of the TAG/11 recommendations and formulated additional action items as follow-up to TAG/11.

2.3   The Summary of Discussions of TAG/11 and TAG/12 meetings are available on the ICAO ESAF website under Meetings.

2.3   The tables presented in Appendix provides the status of implementation of the recommendations from the two meetings.

3.   Action Required

The meeting is invited to:

> a) Review and up-date the implementation status of the Summary of Discussions as **Appendix** to this working Paper.
>
> b) Agree on any other follow-up action thereon.

Appendix

STATUS OF IMPLEMENTATION OF TAG/11 and TAG/12 REPORTS

Item	Action Required	Status	Action By
1.	**Somalia/Mogadishu FIR** Inform Somalia about the high number of AIRPROXES in Mogadishu FIR which is a safety risk and request for urgent action to address the unsatisfactory conditions in the FIR; Somalia Investigate "Hot Spots" over HARGA, EVEBU, MOGDU, AVEDA, RAGGS and implement corrective measure to resolve challenges with the existing airspace structure, route network, Hotspots and applicable ATC procedures; Somalia urged speed up ongoing reorganize of airspace to Class-A airspace and implement applicable procedures. TAG members and adjacent FIRs to support activities aimed at upgrading the Mogadishu airspace from Class G to Class A; ICAO facilitates the organization of a Mogadishu FIR Coordination Meeting to be conducted and encourage the participation of adjacent States, FIRs, and ATC units, in particular Sanaa and Asmara; TAG conducts a technical mission (comprising of ICAO, IATA, ARMA and Airline operators) to Mogadishu; Consider separating Approach Control Unit and Aerodrome Control Tower functions; Upgrade of all communications;	**On-Going**: - SCAA was informed of the recommendations from both TAG11 and TAG 12. - 2 Coordination meetings for the neighbouring states with Somalia held on 20-21 August 2019 and 2020. - A 3rd coordination meeting involving the MID region (Sanaa FIR) is scheduled for 6th August 2020 - Due to unavoidable logistic in2019 and COVID-19 restrictions visit to Mogadishu have been deferred to alter date. - Report received from Mogadishu on the ongoing Airspace and ATM system upgrade. Planned	ICAO Somalia

	Provide feedback on ASRs/UCRs. Somalia provides ATS refresher training on advisory services to its air traffic advisory personnel; Secretariat to obtain status report of the ICAO TCB project for Mogadishu and provide a briefing to the TAG; Compile a comprehensive UCR report on the high number of incidents in the FIR, and highlight incidents over the high seas for the attention of ICAO. ARMA to consider the possibility of conducting a Mogadishu specific Collision Risk Assessment.	effective date for Class A is December 2020. - Training for air traffic controllers completed for Area/airways service - Pending	ARMA
2.	**Incidents at or in the vicinity of aerodromes** States/ANSPs take proactive measures to resolve the causes and contributing factors about the increasing trend of incidents at or in the vicinity of aerodromes, and inform ICAO of corrective actions taken	**On-Going** TAG/12 noted the continued increase of incidents in the aerodrome environment	States/ ANSPs
3.	**High rate of climb** IFALPA to provide information and operational guidance material for pilots with respect to high rate of climb.	**On-Going** TAG/12 indicated reduced number of incidents	IFALPA
4.	**Coordination failures with its neighbouring FIRs** **Tanzania** to provide periodic updates on progress made in the implementation of corrective actions to address the high number of coordination failures with its neighbouring FIRs. **Angola** to respond to the ICAO State Letter on serious incidents of coordination	**On-Going**	United Rep. Tanzania Angola

	failures with neighbouring FIRs/ATC units following SAT/23 meeting in Durban in June 2018, take appropriate corrective actions and provide evidence of the effectiveness of such actions in addressing the recurring trend of communication and coordination failures in the Luanda FIR,		
5.	**Air-Ground Communication Procedures** Angola to publish procedures as appropriate to indicate the primary, secondary and other back-up communication means to resolve the ambiguity of pilots communicating using different means other than that expected by ATC.		Angola
6.	**Transfer of Control between Sal and Dakar** Sal and Dakar Oceanic FIRs to find a common solution to the transfer of control challenges with regards to CPDLC next data authority and amend their ATC LoPs accordingly for implementation.	**On-Going**	Cape Verde and Senegal
7.	**Mandating the use of Datalink (for CPDLC)** ICAO to advise if the use of CPDLC can be mandated for aircraft operating in the high-seas.	**On-Going** Presented for Discussion at APIRG/22 and SAT/24	ICAO
8.	**Technical Mission to DRC/Kinshasa FIR Coordination Meeting** TAG conducts a technical mission (comprising of ICAO, IATA, ARMA and Airline operators) to Kinshasa; ICAO to facilitate the organization of a Kinshasa FIR Coordination meeting at a suitable date and ensure the participation of adjacent States/FIRs/ATC units.	**Pending**	ICAO/ARMA/IATA

9.	**Addis Ababa FIR Coordination Meeting** ICAO to facilitate the organization of an Addis Ababa FIR Coordination meeting at a suitable date and ensure the participation of adjacent States/FIRs/ATC units.	**On-Going** Virtual Coordination Meeting planned for 6th August 2020	ICAO
10	**Gaborone or Lusaka FIR Coordination meeting** ICAO to facilitate the organization of either Gaborone or Lusaka FIR Coordination meeting at a suitable date and ensure the participation of adjacent States, FIRs and ATC units to resolve the high numbers of Coordination Failures.	**On-Going** Virtual coordination meeting planned to take place before the end of September 2020	ICAO
11	**ATC Units Capacity Assessment** States/ANSPs conduct ATC unit Capacity Assessment including required staffing levels and take action to address shortages where applicable.	**On-Going** ICAO addresses this with the states through the USOAP CMA PQs and ROST missions	States/ ANSPs
12	**implementation of Safety Management Systems** States/ANSPs place more emphasis on implementation of Safety Management Systems and ensuring application of appropriate Safety Nets and promotion of Just Culture.	**On- Going** ICAO addresses this with states through the USOAP CMA PQs and ROST missions	States/ ANSPs
13	**Training** States/ANSPS give priority to ATC refresher training including contingency procedures, and provide training for ATS supervisors to enhance effective supervision.	**On- Going** COVID-19 effects is foreseen to affect Training priorities in the coming months.	States/ANSPs
14	**Civil Military Cooperation** States/ANSPs review existing ATM operational procedures and ensure implementation of Civil/Military Cooperation to enhance safe and efficient Functional Use Airspace for all users;	**On- Going** ICAO addresses this with states through the USOAP CMA PQs and ROST missions	States/ANSPs

	Use Civil Military cooperation to assist with airspace organization, coordination and review of procedures to improve safety and efficiency of flight operations		
15	**Change Management Implementation** States/ANSPs ensure Implementation of Change Management along with airspace reorganization, new concepts of operation and installation of new equipment.	**On- Going** ICAO addresses this with states through the USOAP CMA PQs and ROST missions	States/ANSPs
16	**RPAS** States establish and enforce regulations on Remotely Piloted Aircraft Systems (RPAS) to reduce the risks posed by RPAS operations in non-segregated airspace.	**On- Going**	States
17	**Primary and Secondary Communication Means** States/ANSPs establish and publish communication procedures in AIP in airspaces where VHF, CPDLC, HF and others air-ground communication means are available for use by flight crew.	**On- Going**	States/ANSPs
18	**Resolution of Air Navigation Deficiencies** States: improve regulatory oversight of ANS Providers; Nominate focal points and ensure timely resolution of deficiencies uploaded in the AANDD, and inform ICAO to validate resolution of the deficiencies; ICAO inform States of deficiencies identified by AIAG through individual State Letters; ICAO upload deficiencies identified by AIAG on the AFI Air Navigation Deficiency Database (AANDD) and urge International organizations (IATA,	**On- Going** APIRG/22 recommended the review and relaunching of the AANDD. State Letter sent to nominate FPs to manage the database dated Workshop to train the FP planned before December 2020	States/ ANSPs/IATA and industry

	IFALPA, IFATCA) to monitor AANDD resolution of the deficiencies; IATA inform States/ANSPs deficiencies identified by AIAG through its technical panel missions		
19	**Update of outdated AIPs** States with outdated AIP to take urgent action to update them as appropriate.	**On- Going** ICAO/IATA Workshop held for the States on 23-27 Sept. 2019 to training the focal points of data source at state level in the aim to address the outdated data in the AIPs and NOTAMs	States
20	**Use of IFBP Procedure** Flight crew are encouraged to use IFBP in FIRs where requirement for IFBP are still applicable; Flight crew should comply with procedures calling for establishing contact 10 minutes call prior to entering a new FIR; Aircrew to be encouraged to submit detailed reports; Publish Special Emphasis Bulletin on IFBP for pilot and ATC Situation Awareness and understanding that ATS is advisory only;	**On-Going**	Air Operators/ IATA/IFLPA
21	**Air Safety Reports/ Filing of UCRs** Airline operators are urged to file and submit Air Safety Reports; IATA to submit de-identified reports of UCRs to AIAG members prior to AIAG meetings to allow better preparations.	**On- Going**	Air Operators/ ANSPs/IATA
22	**ADS-C/CPDLC** Airline operators are encouraged to equip and operate ADS-C/CPDLC	**On- Going** TAG/ 12 report indicate that this remains a challenge in	Air Operators

		Datalink airspace over AFI region.	
23	**UCRs involving Sanaa and Asmara FIRs** ARMA is requested to compile the details of incidents of coordination failures and LHDs and submit to the ICAO ESAF Regional Office for coordination and onward transmission to the ICAO MID Office to address the unsatisfactory condition reports involving Sanaa and Asmara FIRs.	**On- Going** Meeting involving the ICAO ESAF and MID ROs with Sanaa, Asmara, Mogadishu and Addis Ababa FIRs planned for 6th August 2020	ARMA/ ICAO
24	**Human Factors and Action Coordination Failures** States/ANSPs which recorded high numbers of coordination failures be urged to investigate and identify Human Factors causes which lead to coordination failures, and take appropriate steps to address them, including awareness programmes to mitigate human error induced by coordination failures.	**On- Going** ICAO addresses this with states through the USOAP CMA Activities and ROST missions	States/ ANSPs
25	**Large Height Deviation/Reduction in Vertical Risk** States/ANSPs be urged to report all vertical events involving large height deviations and take the necessary corrective action to reduce the total vertical risk further down to below the total vertical Target Level of Safety.	**On- Going** Discussed at APIRG/22; recommendation forwarded to states. Concerned States also contacted directly by ARMA	State/ANSPs
26	**Submission of RVSM Data for CRA/13** States/FIRs which have not yet done so are urged to submit all the RVSM data from 2018 to 2019 as soon as practically possible to be included in the next Collision Risk Assessment CRA 13, and	**Completed.** Only 50% of states provided required data; as a result, the CRA/13 figures climbed from 58.6 x10-9 for CRA/12 to 75.4 x 10-9.	States/ANSPs

	establish a mechanism for submission of monthly data to ARMA.	ARMA has planned an awareness workshop to be provide to FP by November 2020.	
27	**SLOP** AFI States are encouraged to implement Strategic Lateral Offset Operations (SLOP); ARMA and ICAO should provide more education of SLOP to provide better clarification on ICAO provisions, applications, processes, benefits and delineation of roles and responsibilities of States, ANSPs and airspace users.	On-Going Discussed at APIRG/22	
28	**Review of the AFI route network** Secretariat to coordinate with States/ANSPs and Airspace Users to facilitate a review of the AFI route network;		
29	**Training of RVSM NPMs or Focal Points** States be requested to confirm/update the contact details of RVSM National Programme Managers or Focal Points; ICAO and ARMA to conduct seminars for State agencies and RVSM NPM/Focal Points to inform and/or update them on RVSM requirements and post implementation responsibilities of States, ANSPs and Airspace Users and other stakeholders	**Pending** ARMA has planned an awareness workshop to be provide to FP by November 2020. State nomination of FP on going	ARMA/ ICAO States
30	ICAO was requested to ensure that the monthly TAG teleconferences resumes from April 2019;	One Teleconference held on 12 September 2020; challenge faced with logistics	ICAO/ TAG members