



INTERNATIONAL CIVIL AVIATION ORGANIZATION

Seventh Meeting of the APIRG Airspace and Aerodrome Operation Subgroup (AAO/SG7)

(Nairobi, 12-16 August 2024)

Agenda Item 3: Achievements in Airspace and Aerodrome Operations

3B1 Achievements in ATM and SAR Project Teams

(Presented by Secretariat)

SUMMARY	
<p>This paper presents the progress status of APIRG projects in the areas of air traffic management and search and rescue since the AAO/SG6 meeting.</p> <p>The action by the Meeting is in paragraph 3</p>	
REFERENCES <ul style="list-style-type: none"> • APIRG Procedural Handbook • Report of AAO/SG6 • Report of APIRG/26 	
Strategic Objectives	<i>A – Safety, B – Air Navigation Capacity and Efficiency, D – Economic Development of Air Transport, and E – Environmental Protection.</i>

1 INTRODUCTION

- 1.1 APIRG discharges its responsibilities through its contributory bodies and project teams. APIRG has adopted a project-based approach to foster the planning and implementation of air navigation services and facilities in the region. Project teams are established in accordance with APIRG Handbook Part II. Project Teams are expected to report annually on the status of progress made in their action plan.

2 DISCUSSIONS

- 2.1. The AAO/SG projects include aerodrome, air traffic management as well as search and rescue related projects. ATM and SAR have currently seven (07) projects including three (3) ongoing projects, two (2) newly established and two (2) reactivated.
- 2.2. Ongoing ATM projects are made of the AFI ATM Master Plan (AAMP), the AFI ATM Contingency Planning Project (AFI ATM CP), The Free Route Airspace (FRA). Activities of the Project Teams were conducted mainly through virtual means in accordance with the APIRG Handbook provisions.
- 2.3. The AAMP Project Team composition was reinforced with the nomination of State's focal points in AIM, CNS and MET. The AAMP PT is due to finalise the revised version of the ATM Master Document.
- 2.4. The FRA Project Team conducted several User Preferred Route (UPR) tests in coordination with AFRAA and CANSO. The PT is preparing the second phase of the project concerning the connection of the FRA to the low airspace.
- 2.5. The AFI ATM CP Project Team held several virtual working sessions to review the AFI ATM contingency plan which is yet to be completed due to time constraints. Status of progress of each Project Team is in appendix A to the working paper.
- 2.6. Reconstituted projects consist of the Search and Rescue Technical Expert Team (SAR TET) and the PBN Airspace Concept and AFI Optimized Route Trajectories and Airspace (PBN-AORTA). The Project Team reconstitution was initiated by the secretariat through the request of nomination or confirmation of State's focal points. Relaunch meetings were subsequently conducted virtually during which a project coordination team was designated. For new or revised Project Team the list of members and its coordination team is in appendix B to the working paper.
- 2.7. In accordance of APIRG/26 Conclusion 26/17 and Decision 26/06 respectively the Flight and Flow Information for a Collaborative Environment Task Force (FFICE-TF) and the Civil/Military Cooperation/Flexible Use of Airspace project (CMC/FUA PT) were established in April and May 2024, following the nomination of State's focal point and the conduct of the launch meeting during which the project coordination team was set. The FF-ICE TF is currently developing the TORs for the future FF-ICE PT to be established by APIRG. The list of project members and its experts team are respectively in appendices A and B to the working paper.

3 ACTION BY THE MEETING

3.1. The meeting is invited to:

- a) Note the information provided in this working paper;
- b) Confirm the Project Team members and related list of designated experts.
- c) Provide further guidance as appropriate.

---END---

APPENDIX 1 - RECAP OF STATUS OF ATM/SAR PROJECTS

#	PROJECT TITLE	LAUNCHING YEAR	MEMBERS	PROGRESS STATUS
1.	AFI ATM Master Plan (AAMP)	2020	AFCAC, ASECNA, Cameroon, Cote d'Ivoire, DRC, Gabon, Ghana, IATA, IFATCA, Kenya, Namibia, Nigeria, Rwanda, South Africa, Togo, Uganda, Zambia,	<ul style="list-style-type: none"> • Enhancement of PT: Completed • Revision of the ATM Master Plan: In progress (75%)
2.	AFI ATM Contingency Planning (ATM CP)	2018	Ghana, Kenya, Nigeria, ASECNA, IATA, IFATCA, South Africa	<ul style="list-style-type: none"> • Revision of the AFI ATM Contingency Plan: In progress (30%) • Sharing of access link to States ATM contingency plans: In progress (40% since September 2023) • Conduct of tabletop exercises: Not started
3.	Civil/Military Coordination and Flexible Use of Airspace (FUA)	2024	ASECNA, Burkina Faso, Cameroon, Comoros, Cote d'Ivoire, Gabon, Kenya, Senegal, South Africa, Uganda	<ul style="list-style-type: none"> • Establishment of the PT: Completed • Designing of roadmap: Not started
4.	Flight and Flow Information for a Collaborative Environment (FF-ICE)	2024	Cote d'Ivoire, Roberts FIR, Mauritania, Kenya, Senegal, Togo	<ul style="list-style-type: none"> • Establishment of the PT: Completed • Designing of roadmap: In progress • Drafting of FFICE PT TOR: In progress <p>Conduct of the awareness workshop on FFICE Not started</p>
5.	Free Route Airspace (FRA)	2020	ASECNA, DRC, Ethiopia, IATA, AFRAA, CANSO, Ghana, Kenya, Mauritius, Nigeria,	<ul style="list-style-type: none"> • Implementation of Direct Route Operations in upper airspace: 54% of AFI FIRs

			Seychelles, South Africa, Tanzania, Uganda	<ul style="list-style-type: none"> • Connection of FRA to the lower airspace: Not started • Implementation of UPR trial: In progress (trials conducted on the city pairs Addis Ababa/Abidjan, Nairobi/Abidjan, Addis Ababa/Cape Town) • Awareness workshop on FRA: Not started
6.	PBN, Airspace and Route Optimization	2024	Angola, Cameroon, Cote d'Ivoire, IATA, Kenya, Senegal, South Africa, Togo, Uganda	<ul style="list-style-type: none"> • Reconstitution of PT: In progress
7.	Search and Rescue enhancement	2024	Cameroon, Cabo Verde, Ghana, Kenya, Mali, Senegal, Seychelles, South Africa, Tanzania, Togo, Uganda	<ul style="list-style-type: none"> • Reconstitution of PT: Completed

APPENDIX 2 –LIST OF ATM/SAR PROJECT TEAMS EXPERTS

1. List of AAMP Project Team experts

#	Name	State/Organization	Background	Quality
1.	James Davis	South Africa	ATM	Project coordinator
2.	Collins Ochillo	Kenya	ATM	Team member
3.	Richard Cherop	Kenya	ATM	Team member
4.	Isaack Ojwang	Kenya	ATM	Team member
5.	William Mfunne	Zambia	ATM	Team member
6.	Besa Makuka	Zambia	ATM	Team member
7.	Ananias Sichone	Zambia	ATM	Team member
8.	Protus Otieno Seda	IATA	ATM	Team member
9.	Rosemary Kyalo	IFATCA	ATM	Team member
10.	George Mbugua	IFATCA	ATM	Team member
11.	Ahmed Bolakale	Nigeria	ATM	Team member
12.	Sarafina Maxwanu	Namibia	ATM	Team member
13.	Faraji Ssenkooto	Uganda	ATM	Team member
14.	Geoffrey Okot	Uganda	ATM	Team member
15.	Penda Tonye Victor Arnaud	Cameroon	CNS	Team member
16.	Gnassou Sandrine	Cote D'ivoire	CNS	Team member

17.	Gouamane Rock Levis	Cote D’ivoire	MET	Team member
18.	Brou Olivier Bitti	Cote D’ivoire	AIM/PANS OPS	Team member
19.	MBA NKILLI LEONEL	Gabon	MET	Team member
20.	Else Laurianne MAGUENDJI	Gabon	CNS	Team member
21.	Albertina Anderson	Namibia	MET	Team member
22.	VICTOR KAURIMUJE	Namibia	MET	Team member
23.	Abraham Kahenge	Namibia	AIM	Team member
24.	Raoul Bester	South Africa	AIM	Team member
25.	Ouro-Loga Tadjidini	Togo	CNS	Team member
26.	Anoba Yao Kuma	Togo	CNS	Team member
27.	Yendoubouame Lare	Togo	AIM	Team member
28.	Wampa Kokou Mefo	Togo	MET	Team member

2. List Civil Military Cooperation Project Team experts

#	Name	State/Organisation	Background	Quality
1.	Mr. Geoffrey Okot	Uganda	Civilian-ATM	Project coordinator
2.	Col. Akono Patrick Claude Emmanuel	Cameroon	Military-OPS	Deputy coordinator
3.	Lt Col. Muithya Victor Mwendwa	Kenya	Military-OPS	Deputy coordinator
4.	Mr. Michael Omondi Aomo	Kenya	Civilian-ATM	Team member
5.	M. Mohamed Hassani Ali	Comoros	Civilian-SAF	Team member
6.	Cpt. Kaisse Rafion	Comoros	Military-OPS	Team member
7.	Mr. Cain Mainganya	South Africa	Civilian-ATM	Team member
8.	Mr. Dhiphak Lalla	South Africa	Civilian-ATM	Team member
9.	Brig Gen. Mike Samuel Kisame	Uganda	Military-SEC	Team member
10.	Mr. Coulibaly Nelson José Romaric	Burkina Faso	Civilian-ATM	Team member
11.	Cdt. SANA Saïdou	Burkina Faso	Military-OPS	Team member
12.	M. Bemba Koudaou Patrick	Cameroon	Civilian-SAR	Team member
13.	Brig Gen. Toure Mamadou FAMMA	Cote d’Ivoire	Civilian-ATM	Team member
14.	M. Traore Ariel	Cote d’Ivoire	Military-OPS	Team member
15.	M. Gildas Bounghagan	Gabon	Civilian-ATM	Team member
16.	Col. Malongo Patrick	Gabon	Military-OPS	Team member
17.	Mr. Abibou Mbaye	Senegal	Civilian-SAR	Team member
18.	Mr. Mamour Diouf	Senegal	Civilian-ATM	Team member
19.	Lt. Mamadou Dieng	Senegal	Military-ATM	Team member
20.	Mr. Mornan Tadeadjim	ASECNA	Civilian-ATM	Team member

3. List of FFICE Project Team Experts

#	Name	State/Organisation	Background	Quality
1.	Raoul Bester	South Africa	AIM	Project coordinator
2.	Farida Cheptoo Mitei	Kenya	CNS	Deputy coordinator
3.	Essosimna Kelewou	Togo	ATM	Deputy coordinator
4.	Joseph Muthee Mwangi	Kenya	CNS	Team member
5.	Vincent O. Oduor	Kenya	ATM	Team member
6.	Mohammed Abdel Wahab Chessidine	Mauritania	AIM	Team member
7.	M'Bodj Ibrahima Saidou	Mauritania	ATM	Team member
8.	Diallo Abdoulaye Bory	Roberts FIR	ATM	Team member
9.	Phillip Bobson Trye	Roberts FIR	ATM	Team member
10.	Moustapha Thioune	Senegal	ATM	Team member
11.	Cheikh Ahmadou Bamba Fall	Senegal	AIM	Team member
12.	James Davis	South Africa	ATM	Team member

4. List of SAT Project Team Experts

#	Name	State/Organisation	Background	Quality
1.	Mr. Bemba Koudaou Patrick	Cameroon	Aeronautical SAR	Project coordinator
2.	Ms. Aba Fianko Amaglo	Ghana	Aeronautical SAR	Deputy coordinator
3.	Mr. Gregory Critchley	South Africa	Aeronautical SAR	Deputy coordinator
4.	Ms. Santjie White	Independent expert	Aeronautical SAR	Team member
5.	Geoffrey Okot	Uganda	Aeronautical SAR	Team member
6.	Mr. Albert Taylor	Independent expert	Aeronautical SAR	Team member
7.	Mr. Mohammad Karimbocus	Mauritius	Aeronautical SAR	Team member
8.	Mr. Micael Moreno	Cabo Verde	Aeronautical SAR	Team member
9.	Mr. Manuel Claudino da Mr. Luz Nogueira Monteiro	Cabo Verde	Maritime SAR	Team member
10.	Mr. Richard Coffie	Ghana	Aeronautical SAR	Team member
11.	Col Sidi Sadio Diallo	Mali	Aeronautical SAR	Team member
12.	Mr. Oumar Alboukary Abdoulaye	Mali	Aeronautical SAR	Team member
13.	Mr. Abibou Mbaye	Senegal	Aeronautical SAR	Team member
14.	Lieutenant-Colonel Moussa Thioune Diagne	Senegal	Aeronautical SAR	Team member
15.	Mr. Kelewou Gnimdou	Togo	Aeronautical SAR	Team member
16.	Mr. Badjina Koffi	Togo	Aeronautical SAR	Team member

5. List of PBN AORTA Project Team Experts

#	Name	State/Organisation	Background	Quality
1.	Mr. Steven Wabwire	Uganda	ANS-ATM	Project coordinator
2.	Mr. NJOCK Tanguy Francis	Cameroon	ANS-ATM/PANS OPS	Deputy coordinator 1
3.		IFATCA		Deputy coordinator 2
4.	Mr. Nzakimuena Sebastiao Manuel	Angola	ANS-ATM	Team member
5.	Mr. Isaac O. Ojwang	Kenya	ANS-ATM	Team member
6.	Mr. Thulani Masuku	South Africa	ANS- PANS OPS	Team member
7.	Mr. BROU Olivier Bitti	Cote d'Ivoire	ANS-AIM/PANS OPS	Team member
8.	Mr. TRAORE Kpangban Ariel Yao	Cote d'Ivoire	ANS-ATM	Team member
9.	Mr. BADJINA Koffi	Togo	ANS-ATM/PANS OPS	Team member
10.	Ms. Zainab Khudhair	IATA	Airspace User	Team member