

Inter-Regional ATM-CM

Presented by: Yassine El Charkaoui

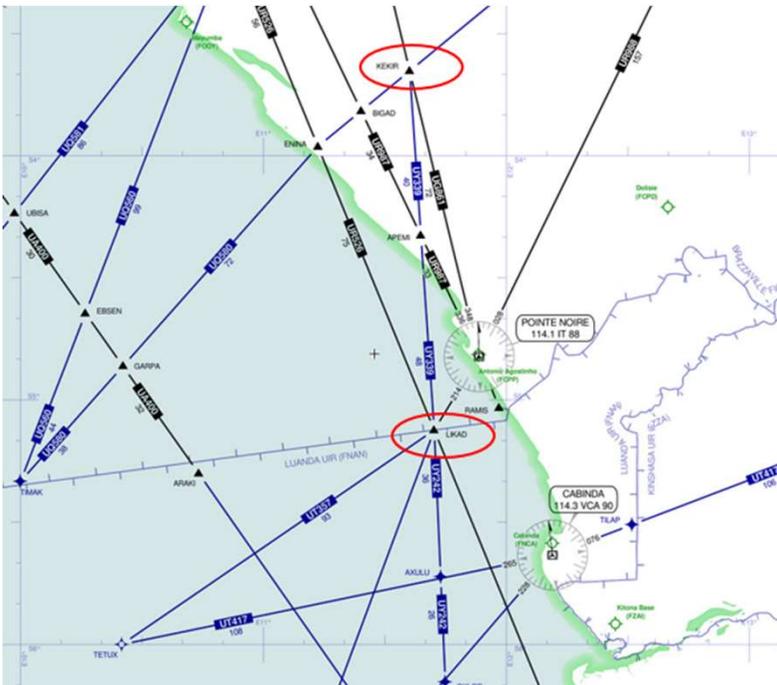
ICAO ATM CM Virtual Meeting 2021



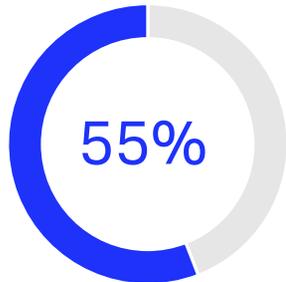
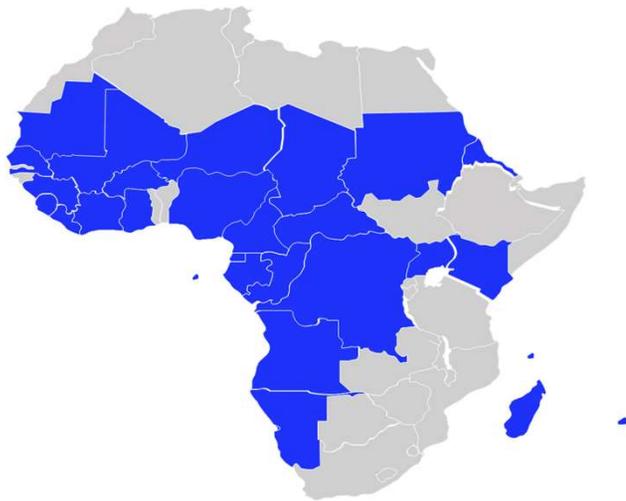
Route Efficiencies: Achievements to date

ATS routes implementation within AFI States

- 19 ATS Routes implemented in AFI States on the 'S1M' campaign since 2020.



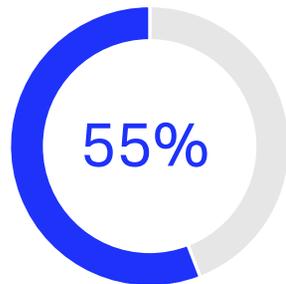
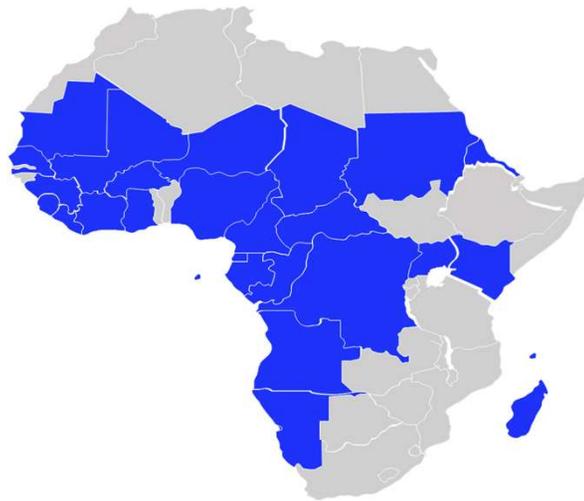
Route Efficiencies: Achievements to date



1. **Nigeria:** Accra Route implementation earlier than schedule + **DRO | FRA**

1.	UQ181(BIPIV -TENTU)	18 June 2020
2.	UQ200(GADUV-LAG)	18 June 2020
3.	UQ300(ILBAS-LAG)	18 June 2020
4.	Q/UQ324(KELAK-GULEN)	18 June 2020
5.	UQ400(BIPIV-NANOS)	18 June 2020
6.	Y/UY604(POT-BIPIV)	18 June 2020
7.	UY333(KIGRA-UBEVA)	18 June 2020

Route Efficiencies: Achievements to date



2. **Ghana:** Accra Route implementation earlier than schedule + [DRO](#) | [FRA](#)

8.	UY57(LIREX - SESIG)	16 July 2020
9.	UY87(TYE- KIDNI)	16 July 2020

3. **Roberts FIR** Accra Route implementation earlier than schedule + [DRO](#) | [FRA](#)

10.	UY509(ROB-GATAX-BIMAN)	16 July 2020
-----	------------------------	--------------

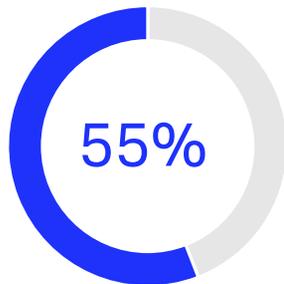
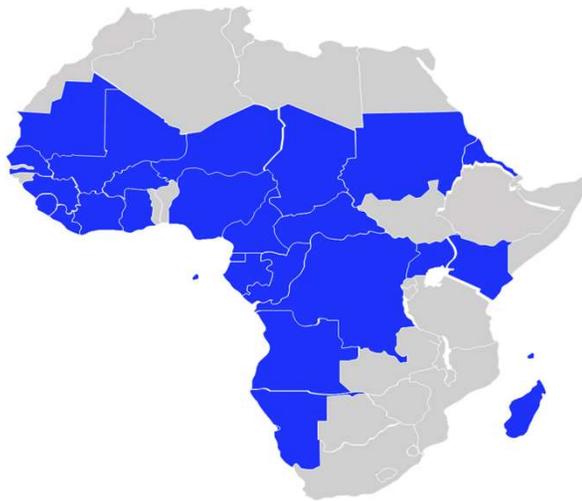
4. **Ethiopia:** Accra Route implementation earlier than schedule + Asmara | Addis boundary + [DRO](#) | [FRA](#)

11.	ETOKO-AXOTI [Addis (KURAM) N'djamena]	16 July 2020
-----	--	--------------

5. **DR Congo:** Accra Route implementation earlier than schedule + [DRO](#) | [FRA](#)

12.	UY 476(EDBIV -GOM)	16 July 2020
13.	UQ83(WDH -LUB)	16 July 2020
14.	UY198(KNM- KMI)	16 July 2020

Route Efficiencies: Achievements to date



6. **Zambia:** Accra Route implementation earlier than schedule

13.	UQ83(WDH -LUB)	16 July 2020
-----	----------------	--------------

7. **Rwanda:** Accra Route implementation earlier than schedule

14.	UY198(KNM- KMI)	16 July 2020
-----	-----------------	--------------

8. **ASECNA** Accra Route implementation earlier than schedule + **DRO | FRA**

3.	UQ 300(ILBAS-NLY)	16 July 2020
15.	UY 339(LIKAD-KIKER)	16 July 2020
2.	UQ 200(GADUV-TITAS)	16 July 2020
10.	UY 509(GATAX-TAPUS)	16 July 2020

9. **Uganda:** Implemented DRO | Towards FRA (FRA PMT)

Route Efficiencies: Achievements to date



10. Kenya: DRO | FRA

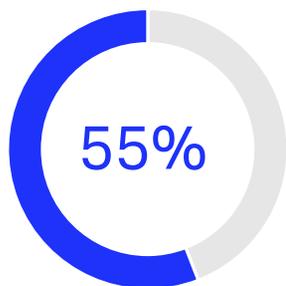
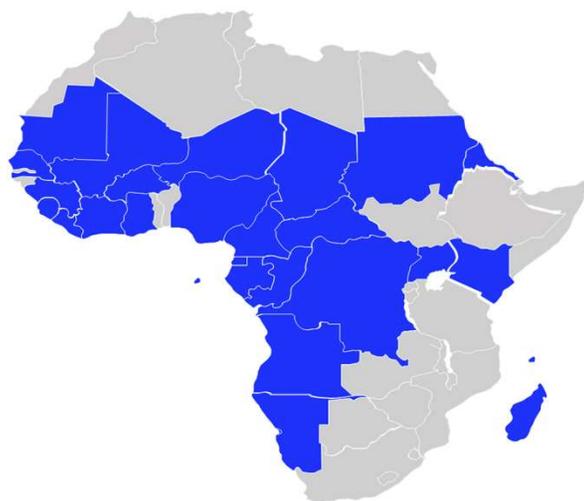
16.	RUDOL-PATAR	17 Dec 2020
17.	ANTAX-ETORU-KISAK	17 Dec 2020
18.	ALEMU-WAJIR-DESRA-KISAK	17 Dec 2020
19.	LOSIN-WAJIR	17 Dec 2020

11. Eritrea: Implementation of CDO/CCO at Libreville Airport

20.	UG650 KONET- RASKA - KONET	24 July 2020
21.	UR780 SETIT - ASM – SETIT	24 July 2020
22.	Route UA451 ASM - TOKAR – ASM	24 July 2020
23.	UR775 SB - PURAD – SB	24 July 2020
24.	Route W180 SB -BAKRU - SB	24 July 2020

13. Sudan: Implemented missing route seg linking PSD-FEREB to Eritrea

27.	PSD-FEREB	24 July 2020
-----	-----------	--------------

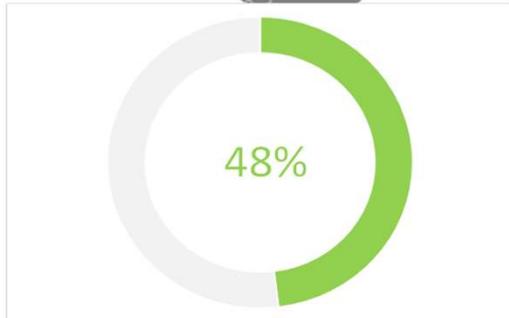


Route Efficiencies: Achievements to date

Flight Plannable Direct implementation in AFI



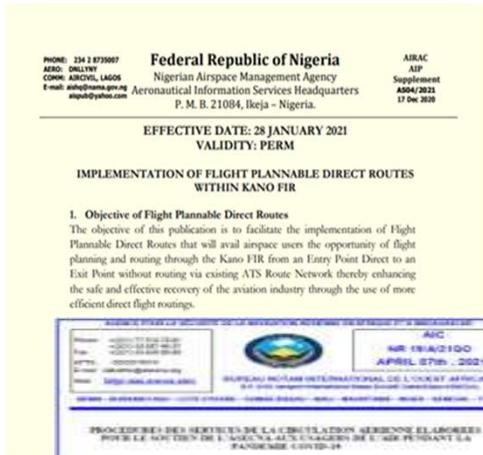
- 48% of AFI States(i.e., 26 States)-implemented flight plannable directs since 2020.
- AFI FRA Gap Analysis template completed –the checklist has been distributed to AFI Sates.
- 1st edition -AFI FRA Concept of Operation (CONOPS) completed.



Route Efficiencies: 2021 projects

Flight Plannable Direct implementation in AFI.

- AFI FRA Gap Analysis: **Target 70% of AFI States.**
- Develop the AFI FRA regional implementation| **action plan** .
- Release **2nd Edition of the AFI FRA CONOPS.**
- Maintain the existing Flight Plannable Directs Publications.
- Two (2) AFI states to publish flight plannable direct or FRA.



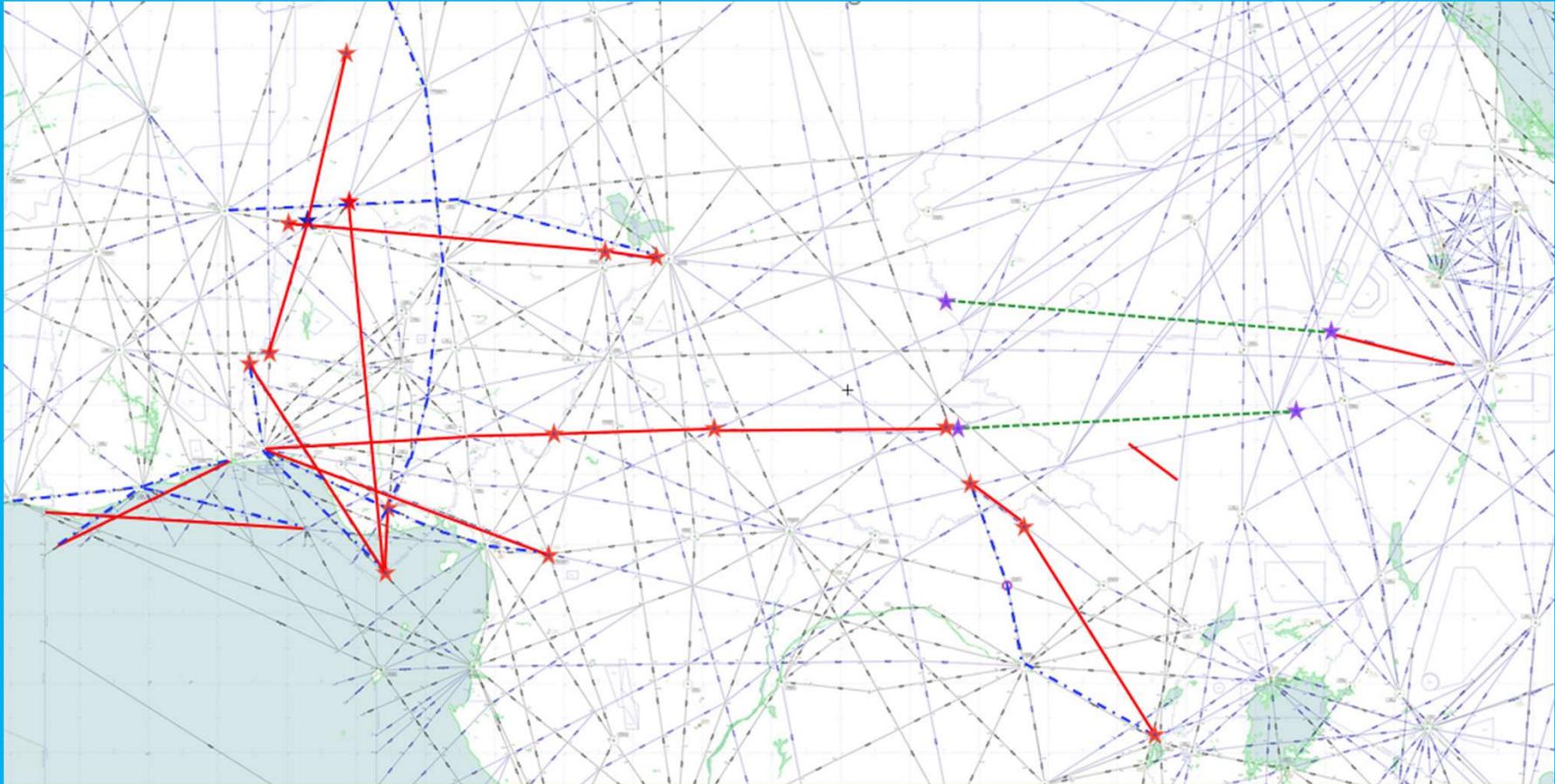
04 States listed in the follow up program

1. **South Africa:** CCO/CDO implementation
2. **Namibia:** CCO/CDO implementation
3. **Cape Verde:** DRO | FRA project
4. **Mauritius: DRO:** FRA Project

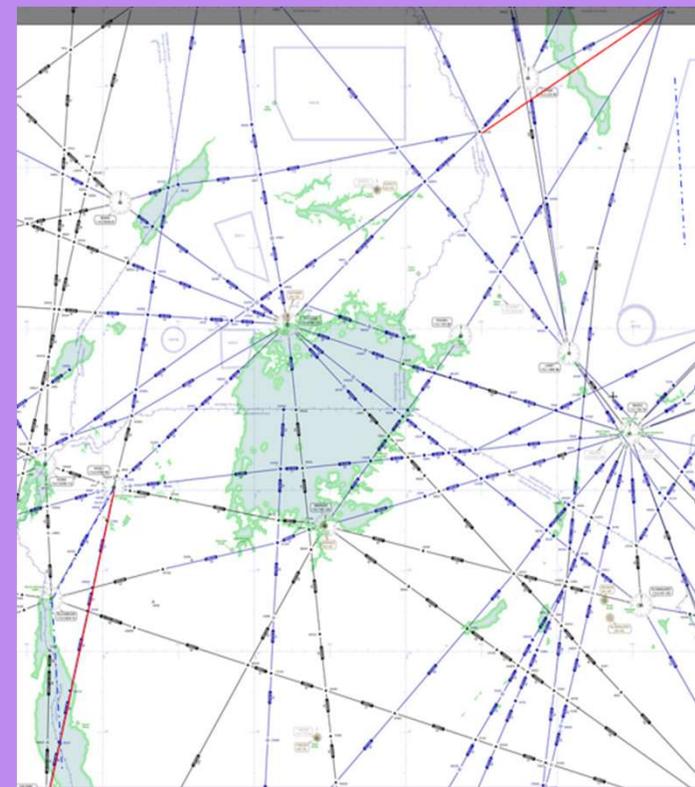
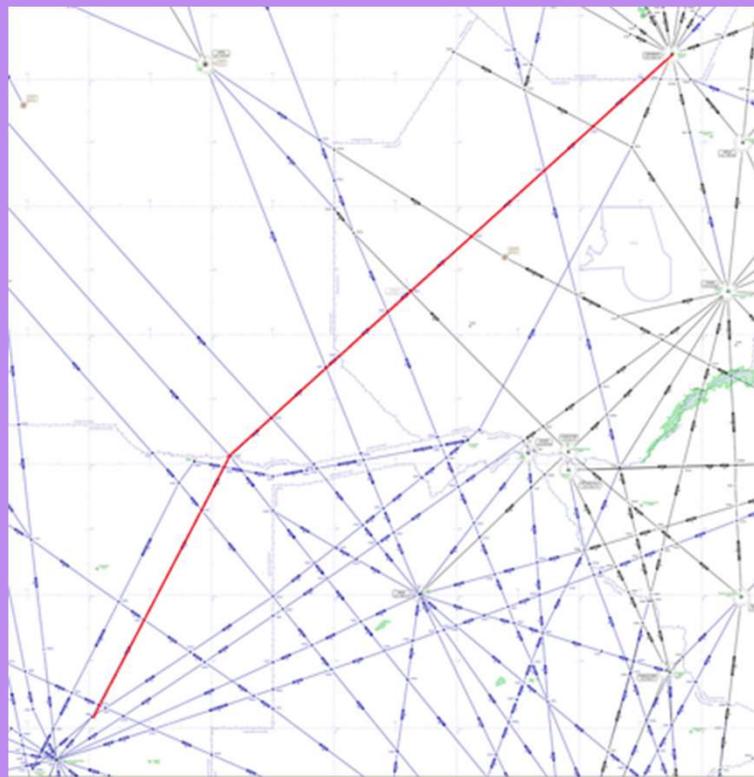
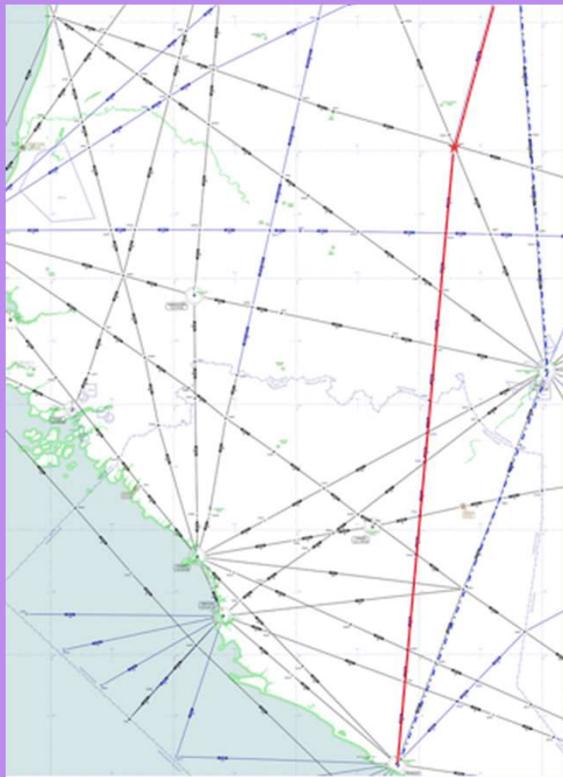


Fuel | CO2 emissions

Route Efficiencies: Achievements to date



Route Efficiencies: Achievements to date



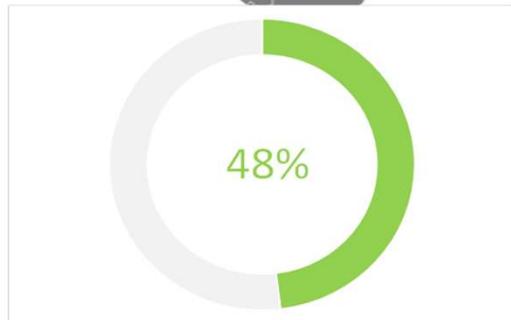
Route Efficiencies: Challenges

Flight Plannable Direct implementation in AFI



- Many Airlines have been denied access to their preferred trajectories due to:
 - Lack of an effective civil military cooperation.

ANSP/States need to work together to implement an effective Civil-Military cooperation and coordination in order to support operational flexibility





Recovery and Rebuilding Aviation in Africa.