

RwandAir

AFI UPR TRIALS LABORATORY AND AFI FRA PROJECT MANAGEMENT TEAM MEETING



Nairobi 21-25th October 2024



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WHY RWANDAIR VOLUNTEERED TO UPR&FRA PROJECT

RwandAir is continuously advancing to address the growing demands for improved fuel efficiency, lower emissions, and streamlined operations:

- The implementation of User Preferred Routes (UPR) and Free Route Airspace (FRA) is in line with these objectives.
- Additionally, UPR and FRA support the broader initiative for Africans to develop solutions to African challenges, reinforcing regional self-sufficiency and innovation.



BENEFITS OF UPR/FRA

- RwandAir Volunteered to join UPR/FRA on 25 July 2024
- RwandAir opted to start with the KGL-LOS flight due to the operational challenges of this flight: Crew Duty Time limitations
- RwandAir First UPR Trial Flight (KGL-LOS and VV) operated on 06 Sept 2024
- 3 Consecutive Trial Flights operated 19-21 Sept 2024 (KGL-LOS and VV)



BENEFITS OF UPR/FRA (CONT)

DATE	Flight N.	Real Time Saving [Min.]	Real Fuel Saving [KGS]	CO2 Reduction [KGS]	Cost Saving [\$]	REMARK
06/09/2024	RWD202	00:05	KGS 820.00	KGS 2,591.20	\$ <u>721.60</u>	A330-200
				N/A		
19/09/2024	RWD202	00:11	KGS 420.00	KGS 1,327.20	\$ <u>369.60</u>	B737-800
				N/A		
20/09/2024	RWD202	00:17	KGS 1,300.00	KGS 4,108.00	\$ <u>1,144.00</u>	A330-200
				N/A		



CHALLENGES

- Despite submitting ATC flight plans (FPLs) and UPRs before the flight, there is still a need for better coordination with ATC. Sometimes, ATC clears flights on a different route than initially submitted, which affects the efficiency of UPRs.

DATE	Flight N.	Real Time Saving [Min.]	Real Fuel Saving [KGS]	CO2 Reduction [KGS]	Cost Saving [\$]	REMARK
19/09/2024	RWD203	NIL	KGS (330.00)	KGS (1,042.80)	\$ (290.40)	NO SAVINGS

Quote from the PIC:

“Lagos could not recognise our direct routing after BOBTO and insisted on RALIN as the exit point from their FIR. Despite our efforts to clarify the direct routing in our flight plan, we were unsuccessful.”

Same as Brazaville

End of Quote



CHALLENGES (CONT)

- Flight crew have reported potential drone threats on the KNM DCT IBNIN DCT OVPAP route.
- As a result, all RwandAir flights to West Africa and Europe are being rerouted via EGREK, increasing the flight distance.

RwandAir Request:

- RwandAir would like to understand how other operators are navigating over GOMA and managing similar risks.



ONGOING INITIATIVES WITH UPR/FRA

- RwandAir respectfully requests a 7-day trial for the KGL-LOS route
- RwandAir is submitting a request for a second route, KGL-LHR, involving several African ANSPs, including Uganda, DRC, Congo BZV, Tchad, Niger, and Algeria.
- Additionally, RwandAir intends to expand its UPR/FRA implementation with the following proposed city pairs running in parallel: KGL-BRU, KGL-ACC, and KGL-ABV.



RwandAir

THANK YOU



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