HOW ATC INTERACTS WITH RPAs OPERATING IN MALAWI

Presented BY

by

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COUNTRY PROFILE

Malawi is a land locked country
Population is 18 million as of 2017
Malawi has a beautiful lake with fresh waters
The lake has different fish species with the most famous ones known as chambo and the beautiful mbuna fish.
Malawi has game reserves and national parks boosting of different wild animals
COUNTRY PROFILE ...Cont’d
Attractive Places in Malawi

Various mbuna cichlids from Lake Malawi

Lake Malawi
Majete game reserve

Mount Mulanje
Brief details about Aviation

• The department of Civil Aviation is part of ministry of transport and public infrastructure. It is not autonomous
• It is responsible for the management of controlled airspace, aviation infrastructure and safety regulation of Civil aviation in Malawi.
Introduction of drone usage in Malawi

• The department of Civil Aviation has been working on integrating RPAs into HIV and health supply chain management to use RPAs in responding to flood emergencies, monitoring infrastructure programs and integration into national disaster preparedness and response framework.
Kasungu Drone Testing Corridor

• Drones are increasingly being deployed for humanitarian and development purposes in Malawi.

• Department of Civil Aviation in conjunction with Ministry of Health and UNICEF opened the drone testing corridor in kasungu.

• It is the only dedicated unmanned flight testing space for humanitarian purposes in Africa.
Drone corridor cont'd

• It is located 50nm north east of Kamuzu International Airport
• It is located within controlled airspace.
• Drones can fly 400m (1300ft) above ground in the corridor
• Elsewhere, they can fly 100m (300ft) above ground.
• The corridor does not conflict with arrival or departure path of the major international airport in Malawi
Our policy

• RPAs operating in Malawi are regulated through flexible regulations, by getting how operations are to be done and assessment of hazards expected during the operation and how they will be mitigated throughout the operation.
Relationship between ATC and drone corridor

• Coordination exists between ATC and drone users at the corridor
• NOTAMs are issued whenever drone activities are taking place.
Future of drones in Malawi

• RPAs are increasingly becoming part of our day to day lives
• We expect potential huge economic growth due to its enormous possible use.
• Integration of unmanned traffic management
• Commissioning of RADAR at FWKI upgrade of drone systems to include ADSB
Future of Drones cont'd

• With installation of RADAR at FWKI, we expect that we would be able to track drones being flown in Malawian Airspace if they will have a transponder, in this case ADSB which could be easy and cheaper to install.
How RPAs are used in Malawi

• Non profit operations - humanitarian
• Private operations.
END OF PRESENTATION

Thank you so much (Zikomo kwambiri) for your attention