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JOHANNESBURG OCEANIC FLIGHT INFORMATION REGION (FAJO)

UPR GEOGRAPHICAL ZONE INSPIRE TRIAL

Validity period: PERM

1. INTRODUCTION

- 1.1 *The Indian Ocean Strategic Partnership to Reduce Emissions (INSPIRE) is a partnership between Air Traffic and Navigation Services (ATNS) of South Africa, Air services Australia and Airports Authority of India. These partners are collaborating with peer Air Navigation Service Providers (ANSPs) across the Arabian Sea and Indian Ocean and a number of airline partners, to establish a User Preferred Route (UPR) Geographic Zone that will make UPRs available across the entire Indian Ocean area.*
- 1.2 *A User Preferred Route (UPR) during the oceanic phase of flight is defined as a lateral profile developed for each individual flight by the flight operator. These lateral profiles are customized in order to meet the specific needs of the aircraft operator for that flight, such as fuel optimisation, cost-index performance, or specific mission requirements.*
- 1.3 *Typically a UPR will be calculated by an aircraft operator's flight dispatch based on factors such as forecasted winds, aircraft type and performance, convective weather and scheduling requirements.*
- 1.4 *UPR's are a favoured enhancement to oceanic operations where air traffic control (ATC) limitations previously required that aircraft fly on fixed air traffic service (ATS) routes, or published flexible track systems. This enhancement is directly attributable to the implementation of ground and airborne improvements such as automated conflict prediction, conformance monitoring and automatic dependent surveillance (ADS).*
- 1.5 *When UPR's are created based on fuel optimisation considerations, the corresponding savings in greenhouse gas emissions can be substantial.*
- 1.6 *ATNS, with INSPIRE partners and peer ANSPs, are participating in a UPR trial program as part of INSPIRE. Trial procedures are available to selected flights with prior approval from INSPIRE.*

2. PROCEDURES

- 2.1 *INSPIRE airline partners that have received prior approval from INSPIRE, may use the following procedures within the Johannesburg Oceanic Flight Information Region (FAJO) Indian Ocean:*
 - 2.1.1 *Flights must enter or exit the FAJO FIR via published waypoints or position of whole degrees of latitude and longitude described in degrees and minutes.*
 - 2.1.2 *UP's must be constructed via published waypoints, navigation aids, or whole degrees of latitude and longitude.*
 - 2.1.3 *UPRs may include air routes.*

3. ACCESS TO UPR

3.1 *Airspace users may only flight plan a User Preferred Route (UPR) Geographic Zone if they meet the following minimum criteria:*

3.1.1 *RNAV10, and*

3.1.2 *ADS-C/CPDLC equipped.*

Note: The minimum criteria listed above must be notified in the Flight Plan.

3.2 *Suspension of UPR Operations.*

In the event of a contingency situation, the UPR Operations shall be suspended.

4. CONTACTS

4.1 *Any questions and assistance should be directed to:*

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