

LAND'S END AIRPORT LIMITED

AIRSPACE CHANGE PROPOSAL, ACP-2022-021:

“TRIAL ADS-B TMZ FOR THE EXISTING LAND'S END RMZ”

STATEMENT OF NEED

Situated in the far South-West, the Land's End Radio Mandatory Zone (LERMZ) is an established block of airspace (Surface to 4,000ft altitude) linking Land's End Airport to the Isles of Scilly.

The LERMZ is situated in Class G airspace and is used predominantly by scheduled passenger and freight carrying flights - both fixed-wing and rotary aircraft. In addition, military aircraft, SAR & Helimed helicopters, Trinity House helicopters, General Aviation flights and other charter and air-taxi operators operate in the area.

The LERMZ is becoming increasingly busy and complex with an additional scheduled service operating on the route and multiple IAP's established, or being trialled, at the four Airport's/Heliport's located within this relatively small area. As a result, a need has been identified to increase airspace situational awareness for the non-radar ATC Units that provide a service within this airspace.

The recent change to the CAA Policy Statement for Transponder Mandatory Zones (TMZ) permits Electronic Conspicuity (EC) devices, other than Mode-S transponders, to be mandated within a TMZ.

This ACP Trial aims to establish an ADS-B based TMZ in the existing Land's End RMZ. This has the potential to improve safety for all airspace users by:

- i) Providing an improved traffic picture for ATC (using Flight Information Displays - FID's)
- ii) Providing an improved traffic picture for Pilots (aircraft equipped with ADS-B IN)

In summary, this ACP Trial seeks to establish an ADS-B based TMZ, co-incidental to the existing LERMZ boundaries, with the aim to investigate the potential safety & operational benefits to ATC and airspace users.

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