

Safety and Airspace Regulation Group

Statement of Need

Version 2

CAP1616

TDA Temporary Airspace Change

Date: 26th August 2022

Abbreviations

ACP - Airspace Change Portal

BVLOS – Beyond Visual Line Of Sight

CAA – Civil Aviation Authority

CLIENT – XXXXXX

LFA – Low Flying Area (Military)

SoN - Statement of Need

TDA – Temporary Danger Area

UAV - Unmanned Aerial Vehicle

Statement of Need (SoN)

CLIENT are a mineral exploration company with mineral concessions around Dolgellau, Gwynedd, Wales. CLIENT wish to undertake a magnetic geophysical survey of their mineral concession areas. Historically magnetic surveying was either undertaken on foot or from low flying manned aircraft. UAVE have been contracted by CLIENT to plan and conduct a cost effective aeromagnetic survey using our Prion Mk3 Unmanned Aerial Vehicle (UAV), if it is deemed appropriate and safe to do so. The UAVE manufactured Prion Mk3 fixed wing UAV was designed specifically for BVLOS unmanned aeromagnetic surveying. It first flew in the UK in 2008 and conducted its first unmanned commercial aeromagnetic BVLOS survey in Norway in 2011.

The airspace within the proposed TDA is Class G and borders Danger Area Complex EGD-217 (Llanbedr) which would be activated as required. The proposed TDA area falls within Military Low Flying Area 7 (LFA7) and borders the northern limit of the Machynlleth Loop (Mach Loop).

UAV operations are expected to be based at Llanbedr Airfield and/or Talybont airfield.

The geography of the proposed TDA area includes coastal plains, river estuaries and mountains with the highest being Y Llethr mountain at 2,479ft.

UAVE as sponsor of this Temporary Airspace Change request have entered into this process with the CAA to determine if establishing a Temporary Danger Area (TDA) to enable safe and segregated BVLOS Prion Mk3 UAV flights to be undertaken is appropriate.

This document, once redacted, will be uploaded to the Airspace Change Portal (ACP)

Prepared by:

UAVE Limited

