



Radnor Temporary Danger Area

ACP-2021-030

5th July 2021

XXXXXXXXXXXXXXXXXXXXX,
Accountable Manager



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Scope

- Statement of Need
- Location
- Opportunities and Issues
- Proposed Timeline
- Questions

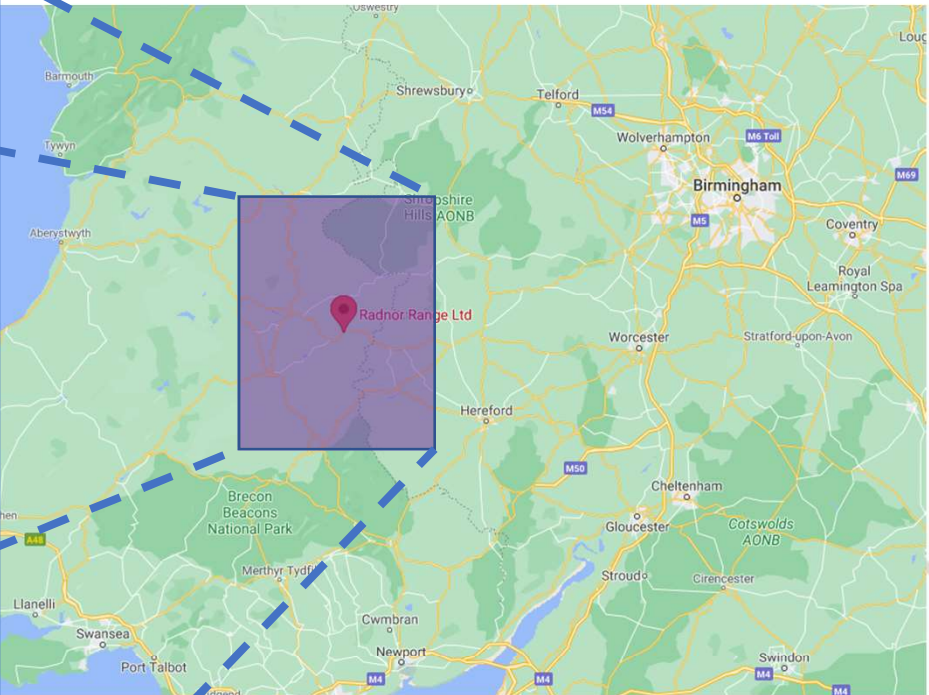
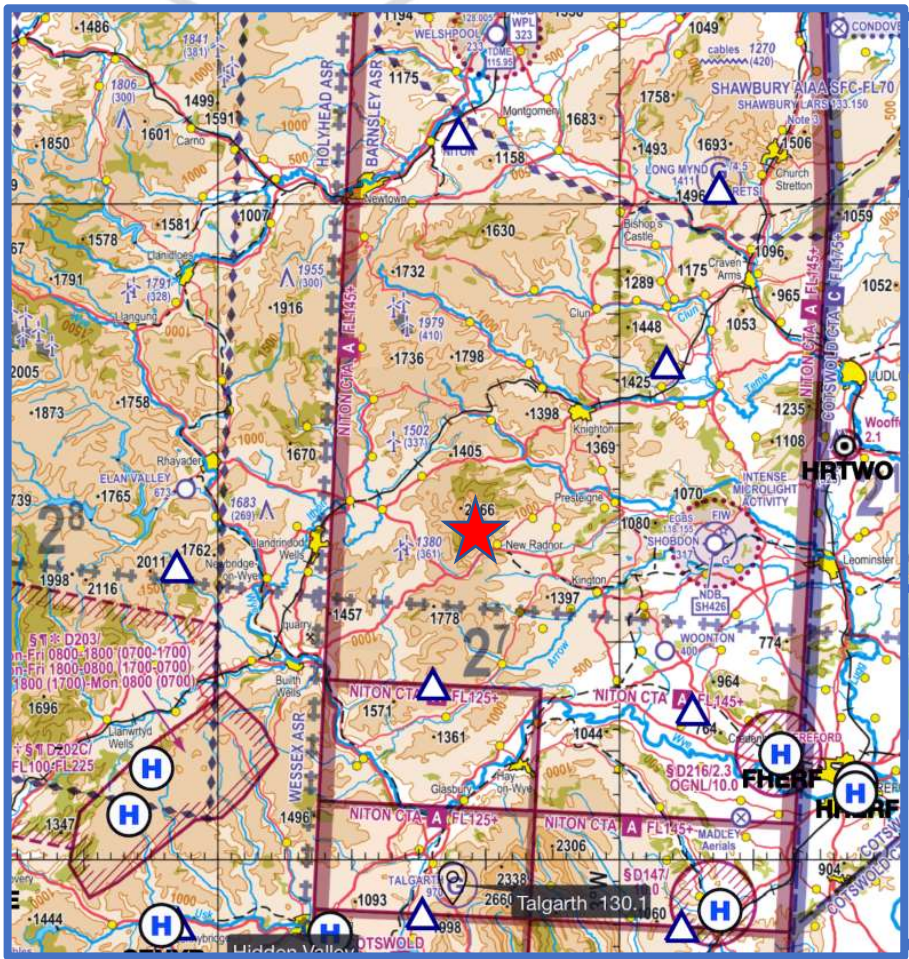


Statement of Need

“The Sponsor intends to conduct both BVLOS training and [REDACTED] test and evaluation activity within the area of Radnor Range. Due to the substantial terrain within the range complex and its surrounding area it is necessary to conduct a series of test flights to establish operating ranges and heights for a variety of UAS platforms. This is coupled with the identification of potential locations to site signal rebroadcast stations, thus ensuring signal continuity. Whilst initial testing can utilise EVLOS mitigations, the operating ranges, scale and type of terrain within the intended area make it impractical for all analysis. The results of this short testing period, scheduled to begin in October 2021 for up to 90 days, will inform a subsequent application for Trial Airspace and a potential permanent airspace change request within the same locality.

Whilst airspace use will be kept to a minimum, a suitable means of segregating these BVLOS UAS tests from other air users is required to mitigate against the risk of mid-air collision.”

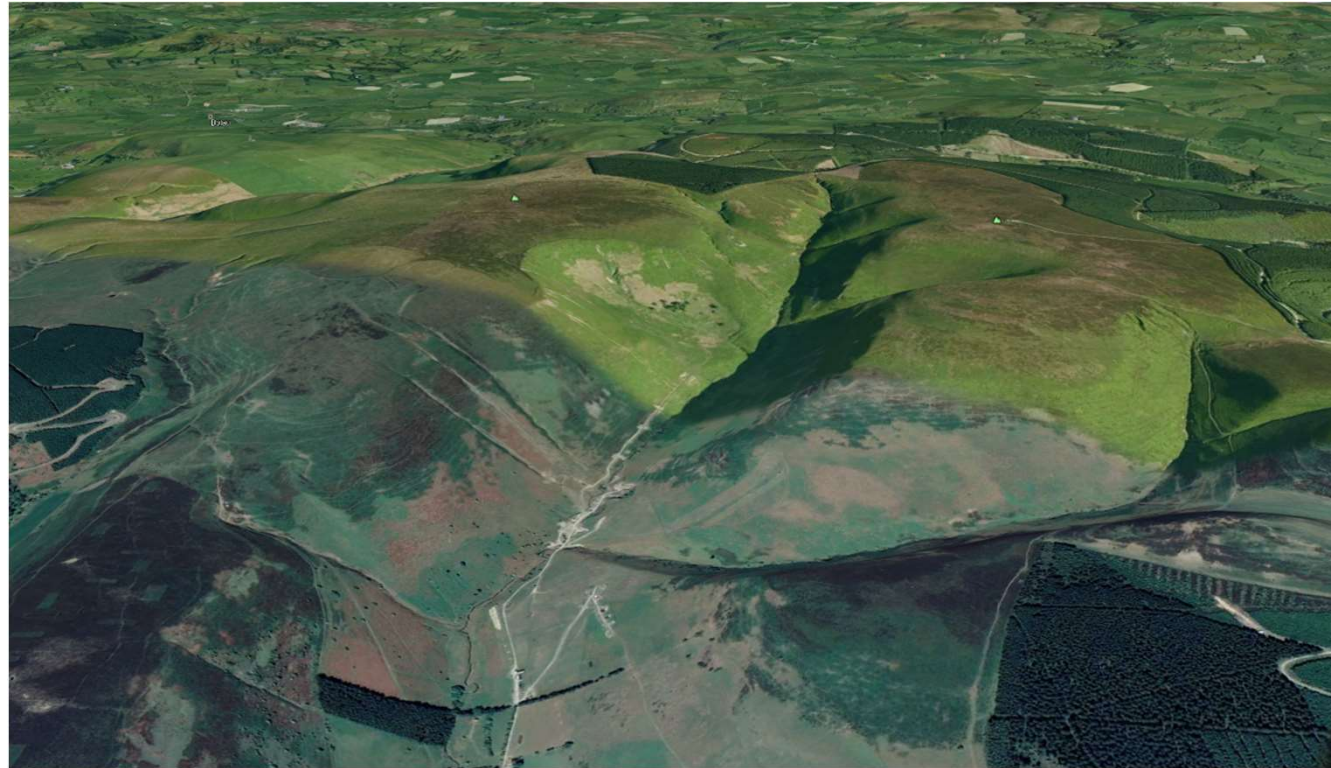
Location



Location



Location



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Opportunities & Issues

1. **XXXXXXXXXX** system testing

- On behalf of **XXXXXXXXXXXXXXXXXX**
- Need for representative **XXXXXXX XXXXXXX**
- Next phase testing
- Safety distances make VLOS/EVLOS unworkable

2. BVLOS Training

- RAE application currently being reviewed
- Affiliation with Radnor Range Ltd

3. BVLOS currently requires segregated airspace

Proposed Timeline

Crawl

Temporary Danger Area

- Assess platform capabilities
- Identify electromagnetic and terrain influences
- Up to 90 days in Q1 2022

Walk

Airspace Trial

- Understand longer-term impact on other air users
- Understand effect on local community
- Quantify the capability that can safely be offered
- 3-6 months in 2022

Run

Permanent Segregated Airspace

- Robust and safe test & training environment
- Activated by NOTAM
- 2022+

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Proposed Timeline

Jun 21 - Platform testing regime currently being planned
Aug – Oct 21 - Up to 10 weeks targeted engagement
Jan/Feb 22 – Draft AIC available for review
Feb/Mar 22 – TDA goes live (AIRAC 12/21 or 13/21) for
up to 90 days

Not intended to run concurrently with ACP-2021-029

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Next Steps

- Agree proposed timeline for TDA
- Understand targeted engagement process requirements



Questions

