



ACP-2021-057: Skyfarer NHS drone delivery trials Coventry – CAA
Assessment Meeting

Agenda

1. Introductions & Recording
2. Statement of Need (discussion & review)
3. Issues or opportunities arising from proposed change
4. Process requirements CAA
 - i. TDA Policy Statement
 - ii. Stakeholder engagement
 - iii. Safety Assessment
5. Provisional Timescales
6. Next steps
7. AOB

Introductions

Skyfarer –

Skyfarer -

Across Safety -

CAA –

CAA -

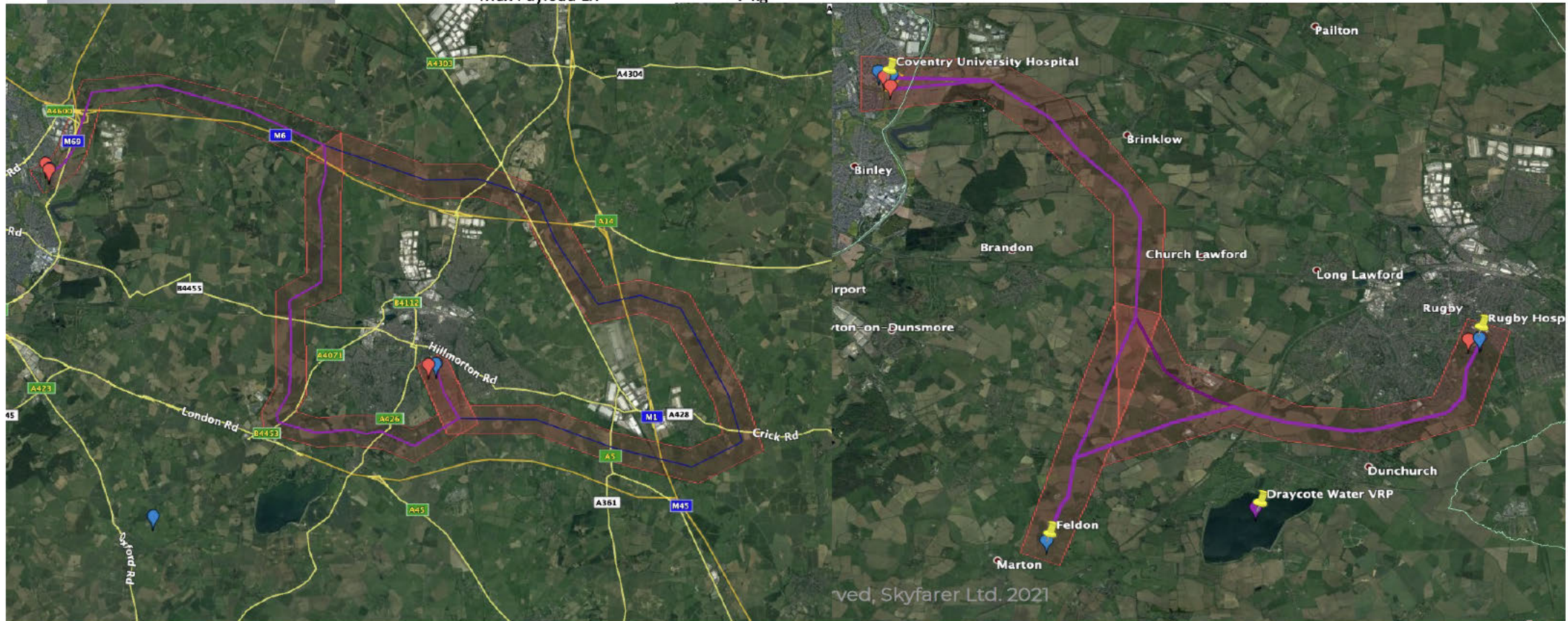
Statement of Need

- Skyfarer Ltd (the airspace change sponsor) are a UK-based Unmanned Aircraft (UA) operator leading the UKRI sponsored project 84502 - 'enabling drone powered medical logistics in the UK'.
- The project aims to progress the operational capability of drone technology into a logistical use case specifically for medical delivery in association with the NHS. The potential benefits of conducting medical deliveries by drone include reductions in transport times, road congestion and CO2 emissions.
- The planned trials require Beyond Visual Line of Sight (BVLOS) drone operations along routes that connect two hospitals i.e. Coventry University Hospital and Rugby Hospital; and preferably also simulate 'hub & spoke' operations by connecting a staging area (hub) to two hospitals (the spokes).
- The trials would take place over a 90 day period commencing June 2022.



Wingspan	3.5 m
MTOW	35 kg
Max Range SR	75 km
Max Range LR	180 km
Range with Max Payload SR	60 km
Range with Max Payload LR	100 km
Max Payload SR	10 kg
Max Payload LR	7 kg

Multiple route options
for stakeholder
engagement



Opportunities & Economic Factors



Facilitates flight trials of
medical deliveries



Working towards improved
NHS capabilities



Reduced road traffic



Reduced CO²

Environmental Factors



Zero emissions electric powered



Low Noise level:

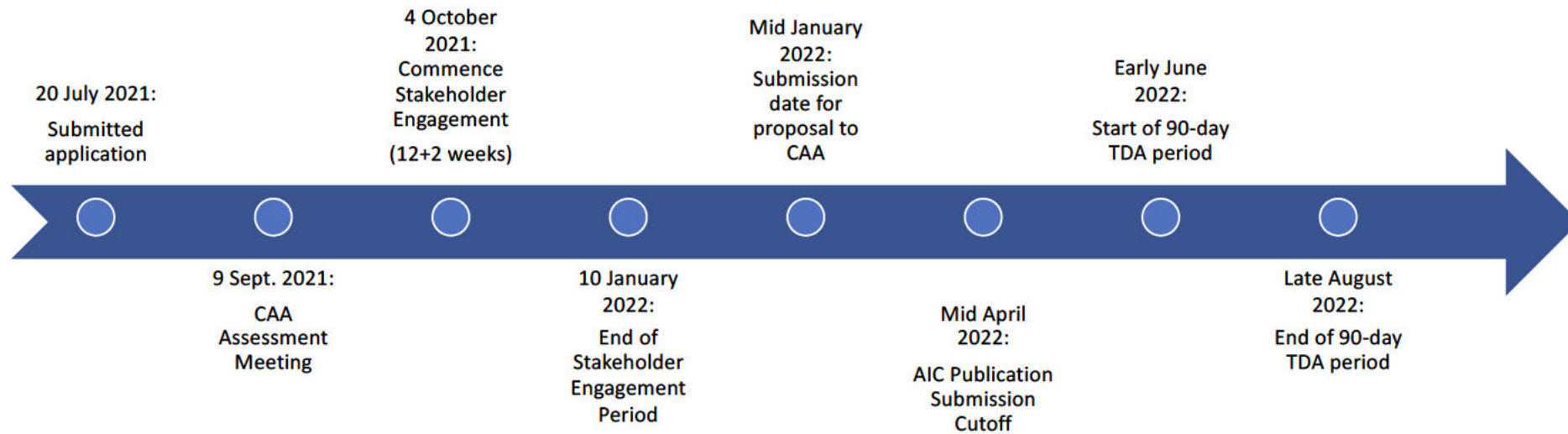
On take-off/landing – less than an average lawn mower

In fixed wing mode – barely noticeable on the ground



Operating area over rural areas

Provisional Timescales



Next Steps

- Minutes of the meeting to be produced and approved by the CAA prior to publishing on the CAA Portal
- Meeting recording to be deleted

AOB

Questions to the CAA

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