



CHANGE

1. Category of Airspace Change

Does your proposal concern Changes to Notified Airspace Design or Planned and Permanent Redistribution of Air Traffic? *

- Changes to Notified Airspace Design Planned and Permanent Redistribution of Air Traffic

2. Title of proposal

Please enter a title for this intended change, (max 80 characters): *

Skyfarer BVLOS demonstrations, Coventry

Have you previously submitted a Statement of Need ?

If known, please provide the ACP/PPR reference number (###-YYYY-NN)

ACP-2021-057

Please provide your rationale for submitting a revised Statement of Need below:- *

The scope of the activities has changed

SPONSOR

3. Change Sponsor Details

Please select the appropriate category and complete. *

- A Company
 An Unincorporated Association or other body
 Individual (including sole traders and partnerships)

3a. A Company

Registered Company name (in full) *

Skyfarer Ltd

Registered Company Number

12071596

Country of Company Registration

United Kingdom

Registered Office Address

5 Whitefriars Street, Coventry, West Midlands, England

Postcode

CV1 2DS

E-mail

[REDACTED]

Trading name (if applicable)

Trading Address (primary site)

Studio 15 Canal Warehouse Leicester Row Coventry

Country

United Kingdom

Postcode

CV1 4LH

Website address

https://www.skyfarer.co.uk/

Primary Point of Contact Name *

[REDACTED]

Requires Airspace Portal Access ?

Telephone *

[REDACTED]

Email *

[REDACTED]

Additional Contacts

You can add up to 4 additional contacts

STATEMENT OF NEED

4. Independent Aviation/Airspace Consultancy

Is an Independent Aviation/Airspace Consultancy involved in this proposal?

Aviation Consultancy

Registered Company name (in full) *

[REDACTED]

Registered Company Number

[REDACTED]

Country of Company Registration

[REDACTED]

Registered Office Address

[REDACTED]

Postcode

[REDACTED]

Telephone

[REDACTED]

Email

[REDACTED]

Trading Name (if applicable)

[REDACTED]

Trading Address (primary site)

[REDACTED]

Country

[REDACTED]

Postcode

[REDACTED]

Website address

[REDACTED]

Primary Point of Contact Name *

[REDACTED]

Primary Contact

Should the CAA use the Independent Consultancy as the primary point of contact for this airspace change proposal?

Requires Airspace Portal Access ?

Telephone *

Mobile Number (for Airspace Portal) *

Email *

Additional Contacts

You can add up to 4 additional contacts

5. Statement of Need

Please provide a brief 'Statement of Need' clearly explaining what issue or opportunity this proposal is seeking to address.

*Further information can be found in CAP1616 **

This Statement of Need (SoN) updates the previously submitted SoN for ACP 2021-057 and is version 2.

1.1 Summary

Skyfarer Ltd, the airspace change sponsor, is seeking a temporary airspace change - a Temporary Danger Area (TDA) in order to facilitate UAV BVLOS demonstration flights. These would occur during a limited number of TDA activation periods spread over a 90-day period commencing early June 2022.

The aims are two-fold:

- a) To progress the operational capability of drone technology into a logistical use case specifically for medical delivery in association with the NHS.
- b) To progress the operational capability of drone technology into use cases specifically related to policing activities in conjunction with the West Midlands Police (WMP).

Current regulations mandate that BVLOS operations must be conducted within 'Segregated Airspace' unless the drone is equipped with an approved detect and avoid (DAA) capability. There are currently no CAA approved solutions available for DAA therefore, Skyfarer wish to make an application for a temporary danger area (TDA) for the purpose of providing an appropriate operating environment in order to conduct these trials.

1.2 Opportunities identified

Two opportunities have been identified in regard to this ACP. They are related to health care and policing.

a) Health care: The NHS has expressed an interest in the potential use of drones for delivery operations, specifically: pathology samples, surgical aides, pharmaceuticals and urgent blood products. Skyfarer have been selected to lead the UKRI sponsored project 84502 - 'enabling drone powered medical logistics in the UK'. Actual delivery flights are an essential component in the evaluation of drone based medical deliveries in the future. The University Hospitals Coventry and Warwickshire NHS Trust are working with Skyfarer to demonstrate drone deliveries between their two major hospitals in Coventry and Rugby (which between them serve a population of over a million people).

In addition to reduced delivery times (especially for time critical items), drone deliveries also have the potential to reduce road congestion and CO2 emissions by replacing more traditional road transportation options.

Coventry City Council have also expressed their commitment to support this project, as described in their letter of support of March 2021 (see Appendix B).

b) Policing: There are numerous potential use cases for drones to assist in policing activities (e.g. surveillance activities), particularly where manned police aircraft may be unavailable due to timing or resourcing issues. The West Midlands Police (WMP) are working with Skyfarer to demonstrate and evaluate future drone use cases and capabilities.

1.3. Objectives

Health care: Skyfarer would conduct delivery demonstration flights between Walsgrave Hospital (hereafter referred to as Coventry Hospital) and the Hospital of St Cross (hereafter referred to as Rugby Hospital). Some flights would be 'point to point' i.e. directly between Walsgrave Hospital and the Hospital of St Cross. And some flights would use an intermediate 'staging' area (near the hamlet of Marten or Pailton depending on the route being flown) or in order to demonstrate 'hub and spoke' operations. Items to be transported would include, but not be limited to, those described in the section 'Opportunities Identified' above.

Policing: Skyfarer would conduct demonstration flights including but not limited to surveillance equipment evaluations. In order to minimise disruption to other airspace users, these flights would be limited to the routes established for the NHS demonstration flights described above.

6. Administrative Changes

Does your proposal represent an administrative change to the Aeronautical Information Publication (Proposed Level 0 change)?

7. Instrument Flight Procedures

Does your proposal have the potential to include a change to and/or new IFPs?

8. Five-Letter Name Codes (5LNC)

Does this request solely concern the reservation of new Five-Letter Name Codes (5LNC) in advance of a future proposal?

9. Additional Information

Please use the box below to add any further information which the CAA should be aware of when considering this submission (for example dependencies on other airspace change proposals and/or funding deadlines):

SUBMISSION INSTRUCTIONS

Submission

Your form has been successfully submitted. Please keep a copy of this acknowledgement for your records.

Date and Time: **10 Nov 2021 4:56:28 PM**

Application Submission Number: **DAP1916V2-291**

Please note that the Airspace Regulation team will contact you to acknowledge receipt of your Statement of Need and to confirm the unique ACP reference number (ACP-YYYY-NNN) allocated to this submission. Following receipt of your unique ACP reference number, you will be required to create an associated airspace change proposal on the [CAA's Airspace Change Portal](#). Please refer to CAP 1706: CAA Airspace Change Portal Sponsor Training Manual provides for further information/guidance on how to use the Airspace Change Portal.

Once your submission has been assigned, arrangements will be made for you to attend an Assessment Meeting. One of the key outputs from this meeting will be an indicative timeline for the proposed airspace change. To enable the CAA to consider your proposed timescales, you will be expected to present dates for the following milestones at the Assessment Meeting:

- DEFINE Gateway
- DEVELOP & ASSESS Gateway
- CONSULT Gateway
- Formal Airspace Change Proposal Submission
- Target AIRAC

The CAA holds Gateway Assessment Meetings on a monthly basis and the annual schedule is published on the [CAA website](#).

Finally, you should also note that from September 2018 any amendments submitted by a Data Originator or ANSP for onward promulgation in the UK IAIP will be subject to the Aeronautical Data Quality Requirements. See [Commission Regulation \(EU\) No 73/2010](#) (updated by 1029/2014) and [CAP 1054: Aeronautical Information Management](#) guidance material for further information. These requirements will be discussed in greater detail during the course of your initial meeting with the CAA.

When you have completed this form, click this button to submit the form for processing. Do not click this button more than once. You will then be provided with further instructions.