



DAP1916 - Statement of Need

Tracking Code: 4XWYT6R

BEFORE YOU BEGIN

- Please ensure the contents of CAP1616 Appendix A 'Statement of Need for an airspace change' is referred to prior to completing this form. *

TYPE OF 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

Have you previously submitted a Statement of Need ?

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

TDA to enable BVLOS demonstration of Cargo UAV within the Shetland Islands

2. Title of proposal

Which of the following is the proposal being progressed under? *

- Permanent Temporary Trial

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) *

Windracers Limited

Trading Address (primary site)

Trading name (if applicable)

[Redacted]

E-mail

operations@windracers.org

Postcode

[Redacted]

Registered Office Address

[Redacted]

Country of Company Registration

[Redacted]

Registered Company Number

[Redacted]

Country

[Redacted]

Postcode

[Redacted]

Email *

[Redacted]

Confirm Email *

[Redacted]

Telephone *

[Redacted]

Requires Airspace Portal Access ?

Primary Point of Contact Name *

[Redacted]

Website address

https://windracers.org/

Additional Contacts

You can add up to 4 additional contacts

Contact 1

Contact Name *

[Redacted]

Requires Airspace Portal Access ?

Telephone *

Mobile Number (for Airspace Portal) *

Email *

Confirm Email *

 DELETE CONTACT

Contact 2

Contact Name *

Requires Airspace Portal Access ?

Telephone *

Mobile Number (for Airspace Portal) *

Email *

Confirm Email *

 DELETE CONTACT

 Add Contact

STATEMENT OF NEED

Independent Aviation/Airspace Consultancy

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

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 *

The Sustainable Aviation Test Environment (SATE) will create the UK's first operationally based low carbon, aviation test centre in Scotland.

Part funded by UK Research and Innovation (UKRI) through the Industrial Strategy Challenge Fund, the SATE consortium aims to bring together technologies in electrification, aviation systems and autonomy to create new modes of air travel and capability.

The SATE will be a UK first and it is hoped will test and showcase new technology that can be adopted for island and wider use, with the aim to create social benefit and economic prosperity.

Within this project Windracers will demonstrate the use of ULTRA Unmanned Aircraft System (UAS) for delivering on-demand supplies to remote communities that currently suffer from mistimed or limited logistics.

Preliminary trials and engagement with key local stakeholders have confirmed the priority for medical supplies to remote health care service providers, transport of mail to island communities and logistic support to the supply chain of island industries.

Under the current regulatory and technological conditions, it is necessary to establish structures of segregated airspace that enable the intended Beyond Visual Line-of-Sight (BVLOS) operations.

This airspace change proposal aims to set up a complex Temporary Danger Areas that enable the demonstration of these operations in the Shetland Islands.

These airspace structures will be activated during short periods of time, separately or in combination to allow the intended itinerary, whilst minimising the impact over other aviation activities. It is anticipated that the implementation of this ACP will last no longer than 8 weeks.

Participation of Air Traffic Services will be sought to provide the TDA complex with information or crossing services during operation.

ULTRA UAS is a 10 m wingspan, 350 kg MTOW fixed wing remotely piloted aircraft that features multiple redundancy of critical subsystems, on-board electronic conspicuity (ADS-B and Mode S transponder) and standard visual conspicuity aids (navigation and position lights).

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?

Secretary of State for Transport's priorities

Is the proposal being progressed under any of the priorities set by the Secretary of State for Transport or any other CAA priority such as safety of national security matters?

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)

Windracers operates ULTRA UAS under the Specific Category , therefore an application for an Operational Authorisation to carry out this operation will be submitted to the UAS Sector.

SUBMISSION INSTRUCTIONS

Submission

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

Date and Time:

15 Jul 2022 12:51:04 PM

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.

Given the high number of new airspace change proposals (ACP), together with those proposals which are already in the system, it is possible that the proposal may not be assigned to a Technical Regulator/Account Manager immediately following submission of the Statement of Need. New proposals are allocated on a first come first served basis, unless the proposal is directly related to safety or national security matters, or as directed by the Secretary of State for Transport's priorities.

Once your submission has been assigned to an Account Manager/Case Officer, 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 PPR. For Permanent changes, 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

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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.