



Skyports

UAS BVLOS in Segregated Airspace – ACP-2022-001
(Ipswich and South East Suffolk)

CAA Airspace Change Assessment Meeting

9th February 2022



CONTENTS

About Skyports

Statement of Need

Issues or Opportunities

Route Overview

Proposed Timelines



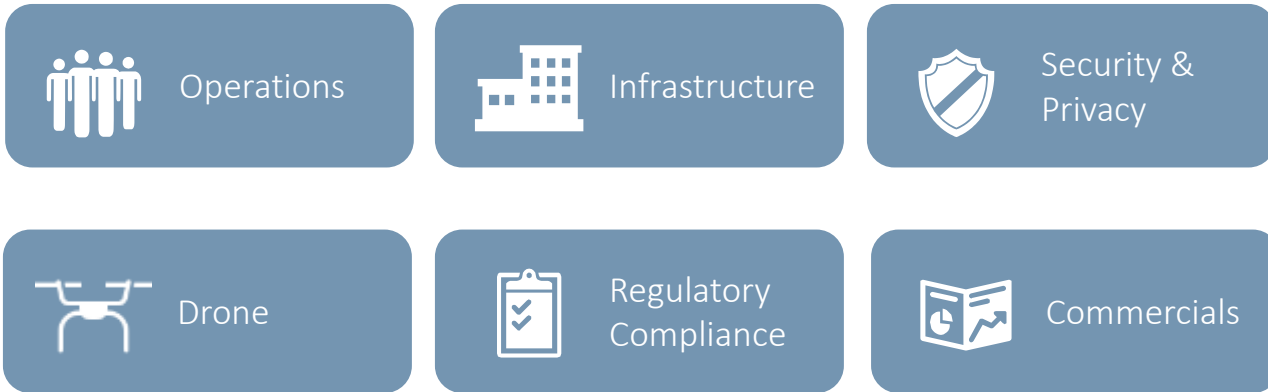
Skyports

develops, implements and operates end-to-end drone deliveries overcoming inefficiencies associated with traditional transportation methods within the medical, e-commerce and logistics sectors



Skyports is a cargo delivery one stop shop service provider

Skyports covers all aspects of a drone end-to-end solution



Skyports is a drone operator not a manufacturer. We choose the right vehicle for the mission and take care of all aspects of the end-to-end drone solution

We are committed to operating to the highest standards of safety



OUR PROJECTS IN ACTION



We work with the leaders in healthcare and logistics, integrating drones into their supply chains



Dec 2020: Flying Royal Mail's first drone delivery in preparation of launching permanent operations in 2021



See the video at: <https://vimeo.com/491289486>



Apr 2021: Flying Royal Mail's first intra-island deliveries in collaboration with heavy payload drone company Windracers

See the video at: <https://vimeo.com/547406463>

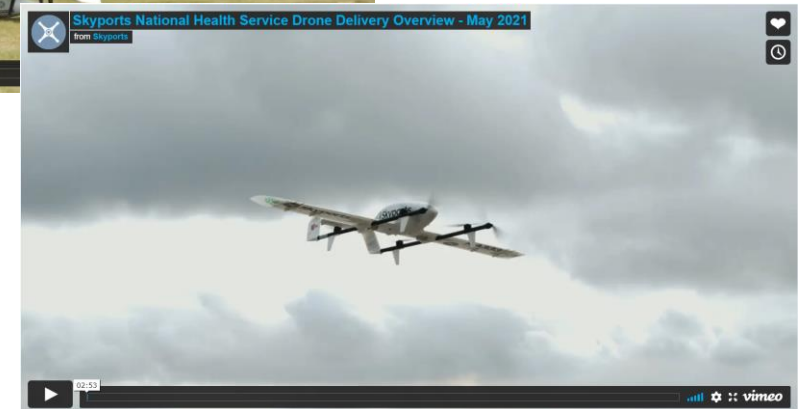


Phase 1: In March 2020, flying the UK's first medical drone deliveries with the National Health Service in a project funded by the European Space Agency to achieve permanent operations



See the video at: <https://vimeo.com/430389296>

Phase 2: In February 2021, flying pathology/C-19 samples and medicines up to 50miles in between an expanded hospital network in rural Scotland



See the video at: <https://vimeo.com/564086649>



CONTENTS

About Skyports

Statement of Need

Issues or Opportunities

Route Overview

Proposed Timelines

Statement of Need

Improving the logistic network for medical goods delivery

- East Suffolk and North Essex NHS Foundation Trust are working with ERS Medical to trial a faster, more frequent and more ecofriendly means of medical delivery, that reduced turnaround time for patient diagnostic tests and time-to-treatment.
- The NHS and ERS Medical believe drone delivery to be a safe and effective method of transport, strengthening their existing services and logistic network, whilst reducing carbon footprint.

Multi-Month Trial:

- Skyports will operate a BVLOS drone delivery trial service (utilising LTE and GNSS based navigation systems) during a three-month trial.
- Skyports will deliver medical goods, including but not limited to COVID-19 testing kits, pathology samples*, pharmaceuticals, medical equipment and PPE between multiple NHS healthcare facilities around the Ipswich area.

Objectives:

- Skyports to provide ERS Medical with a network of on-demand medical drone delivery services to assist their ongoing responses to COVID-19 and other public health circumstances, and their evaluation of a commercial drone delivery service for medical supply chain.

Airspace Segregation:

- Skyports believes it will require volumes of segregated airspace for the period of the business trial to safely execute its operations.

*Including Dangerous Goods UN3373 Biological Substances – Category B, CAA DG approval renewal in progress.





CONTENTS

About Skyports

Statement of Need

Issues and Opportunities

Route Overview

Proposed Timelines

Issues and Opportunities

Improving medical logistic network and healthcare services:

- The medical drone delivery service has the potential to provide vital access to medical care for hard-to-reach communities, strengthening the logistic network.
- The fast and frequent nature of drone delivery operations can shorten patients' waiting time for diagnosis and treatment, which enhances the level of healthcare services.
- Skyports will provide assistance and support to the NHS and ERS Medical in their responses to COVID-19 and other public health emergencies.

Eco-friendliness:

- The use of electric unmanned aircraft will reduce greenhouse gases emission compared to ground vehicles.

Scale-up:

- A successful trial has the potential to be the blue-print for a reliable and scalable medical drone delivery service.

Stakeholders:

- An airspace analysis has been carried out to identify local stakeholders, particularly airfields in the vicinity and other airspace users in the region that may be affected by our proposed operations.
- A 12-week targeted aviation stakeholder engagement exercise will be conducted to collect feedback on the safety and operational aspects of our proposal.

Notification:

- Skyports will have in place a robust process of airspace notification to minimise impact on other airspace users needing access to the volume of segregated airspace once active.





CONTENTS

About Skyports

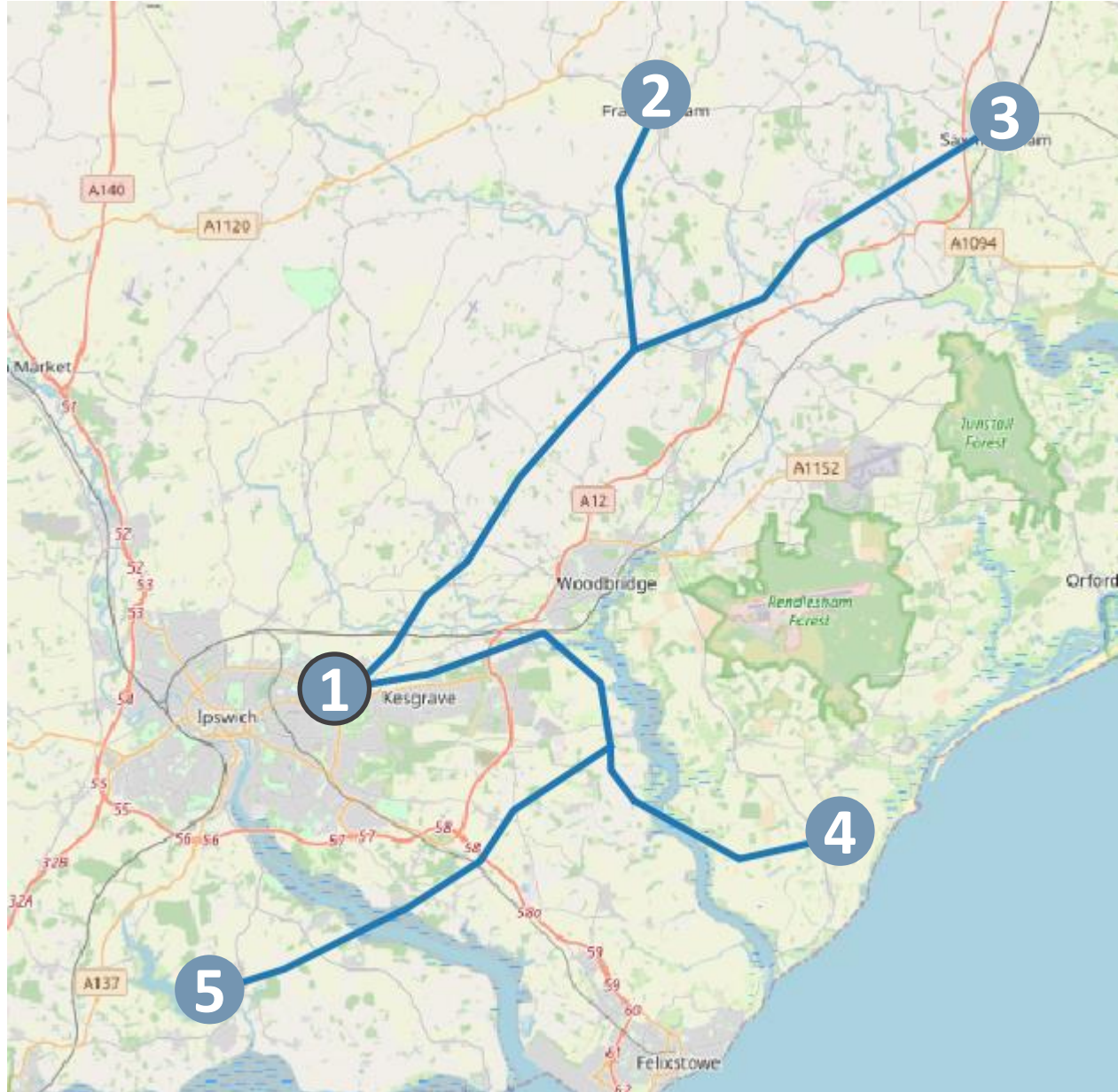
Statement of Need

Issues or Opportunities


Route Overview

Proposed Timelines

Route Overview



Locations

- 1** Ipswich – *Hospital, hub location, main pathology testing lab*
 - 2** Framlingham – *Medical Practice*
 - 3** Saxmundham – *Medical Practice*
 - 4** Alderton – *Medical Practice*
 - 5** Holbrook – *Medical Practice*
-  Proposed flight routes



CONTENTS

About Skyports

Statement of Need

Issues or Opportunities

Route Overview

Proposed Timelines

