

Dear Stakeholder,

Many thanks to those who have supported and provided feedback for ACP-2021-002. We have, however, since been asked by Apian and the NHS IOW Trust to extend our trial beyond the current 90 days permitted for a temporary airspace arrangement. Please find attached letters of support containing further information on the benefits of a TDA extension from both our customer Apian and NHS IOW trust. Extending the trial supports greater research and data gathering to support future viability of the service and the benefit it can provide to patients on the IOW.

Please note that if the extension is approved TDA EG D096 sections B, C and D will be activated during the period, Section A will not be activated at any time.

A link to the ACP is provided below:

<https://airspacechange.caa.co.uk/PublicProposalArea?pID=335>

This proposal and extension has been discussed with the CAA airspace team and the remaining details of the airspace proposal remain unchanged. We have agreed a targeted engagement period of 2 weeks, ending on 19/11/21. We would be happy to work with you to resolve any concerns you have before this date should you wish to provide feedback.

The Airspace Change Portal will be updated in the next 24 hours and will contain the letters of support from our customer Apian and the Isle of Wight NHS Trust for this extension request.

We would appreciate your feedback on the proposed extension and would like to thank you in advance for taking the time to respond. Please provide all of your feedback to info@skyliftuav.co.uk by 1700 hours on Friday 19th November 2021.

Many thanks for your support.

Dear Stakeholder,

We would like to request a 2 month extension to ACP-2021-002 which currently expires on 23rd November 2021.

First of all, thank you for the help you've already provided us in researching the value of drone delivery of chemotherapy to cancer patients.

Apian is a medical drone startup founded by NHS doctors in training with support from the NHS Clinical Entrepreneur Programme. We work on behalf of the NHS to operationalise drone technology and research the impact it has on patient health outcomes and staff wellbeing. For this project, we selected Skylift UAV Limited to be our drone operator partners and they've done a fantastic job thus far. With the deadline approaching, the TDA has only been activated 5 times and was limited in scope due to mandatory unscheduled refurbishment of Portsmouth Queen Alexandra Hospital helipad, one of our landing sites. As a result, the NHS has yet to gather the vibration impact data required to sign off on the delivery of live chemotherapy to real patients. We're writing to you to ask that you give us a little more time to conduct this worthwhile research. This will be the first time chemotherapy has ever been delivered by drone and the unique characteristics of this proprietary designed platform have taken longer than expected to build. This is our fault, no one else's, but world firsts don't come easy.

Whilst the NHS can use as much data as we can provide, we're very aware of the disruption a TDA can cause other airspace users and would therefore prefer to extend the TDA for the minimum amount of time necessary so as to limit its impact on you. Before we submit a formal application to the CAA, we wanted to ask if we could count on your kind support? Please call or email me directly if you have any questions, I am at your service.

The next page contains a letter from the Chief Pharmacist of Isle of Wight NHS Trust explaining why this work is so important and thanking you for your support of it.

Yours gratefully,

5 Nov 2021

To whom it may concern,

Support for Isle of Wight NHS Trust and partners to complete research of chemotherapy delivery by Drone

For the past year, together with colleagues at Portsmouth University Hospitals NHS Trust, we've been researching the potential benefits of using drones to deliver chemotherapy and are finally in position to carry out the actual flights across the Solent to test the vibration impact on medicines in their real-world environment.

To ensure patient safety, we must gather enough evidence over a suitable period of time. We need 2 months of concurrent operations to achieve. The TDA (temporary danger area) expires on 23 November, we request an extension to the TDA to ensure that we have enough time to carry out extensive testing on the most commonly used monoclonal antibody drugs. Without an extension to the TDA we can only certify a small fraction of the most commonly used monoclonal antibody drugs. A period of less than 2 months will reduce the number of data points gathered to 1 month, in most instances this is unhelpful for trend analysis. Therefore 2 months will provide enough operational procedure validation, spanning several staff shift variations, which is necessary for pharmacy team resource consideration. It will also provide more opportunities for Air Ambulance/HM Coastguard procedure integration and allow us to better determine the long-term economic sustainability of a drone delivery service.

Although there are now several published articles regarding the transport of drugs in drones, none demonstrate what the effect of this new mode of transport has on the stability of chemotherapy and immunotherapy products. In the month of October 2021, we transported via hovercraft a combination of over 200 chemotherapy and immunotherapies. It is therefore of vital importance that we have enough time to complete stability studies of these products by drone. An extension will ensure we secure robust scientific evidence.

Moving items by drone across the Solent can ensure we receive a great range of prescribed chemotherapy drugs in a more timely and efficient manner. The Pharmacy Department and the wider Isle of Wight NHS Trust are extremely grateful to you for the part you play in helping us best serve our patients.

Yours sincerely