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## Enabling Temporary Remotely Piloted Air System Operations in the UK – Summer 2021

Temporary Airspace Change Proposal Assessment Meeting  
14<sup>th</sup> December 2020

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# ACP Stage 1 DEFINE - Assessment Meeting

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|--|---------|
| 1. Introduction  | CAA     |
| 2. Statement of Need (discussion & review)                       | All     |
| 3. Issues or opportunities arising from proposed change          | Sponsor |
| 4. Options to exploit opportunities or address issues identified | Sponsor |
| 5. Process requirements:   | CAA     |
| i. TDA Policy Statement  |         |
| ii. Stakeholder engagement                                       |         |
| iii. Safety Assessment   |         |
| 6. Provisional Timescales  | All     |
| 7. Next steps  | All     |
| 8. AOB   | All     |

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## 1. Introduction

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## 2. Statement of Need

The MOD is in discussion with the American manufacturer General Atomics (GA) and other European nations regarding the potential for GA to bring its Protector proto-type SkyGuardian (Model number UBC97000-1, Tail Number YBC01) N190TC into European airspace during the Summer of 2021. SkyGuardian is a large Remotely Piloted Air System (RPAS) and it is hoped that it will be able to conduct some test flights and other demonstration activity as part of the ongoing airspace integration within UK airspace during the periods of June/July 2021 through to September/October 2021. In particular, test flights in the vicinity of RAF Waddington where the Aircraft will be based whilst in the UK and the North Sea danger areas as well as other locations (to be confirmed), would be of huge benefit. It is also anticipated that the Aircraft will take part in air shows for the purposes of demonstrations as permitted by the FAA, as it did in 2018. The MOD is also sponsoring ACP-2019-18 however this ACP is separate and only of a temporary nature. Maximum use of existing danger areas around the UK will be made to minimise the establishment of new airspace. Airspace establishment will be kept to a minimum, but requirements may vary subject to flight authorisation issued by the CAAs UAS Sector Team.

Altitudes affected: Surface to below 4,000 ft

Proposed submission date: 2 April 2021

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### 3. Issues or opportunities arising from Proposed Change

#### Issues:

- Fluid Plan
- Detect and Avoid capability (current limitation)
- Formal request for UAS Sector Team to approve Safety Assessment
- Establish segregated airspace below 3000ft agl at appropriate aerodromes
- Maximum 90 day TDA duration

#### Opportunities:

- Progress airspace integration of future State RPAS
- Demonstrate DAA capability against current military assets
- Enable demonstration flights to Other Government Departments & NATO colleagues
- Enable trial flights to validate Protector ACP
- Provide fly-by at RIAT, Belgian AF 75<sup>th</sup> Anniversary, FOST & North Sea MDAs



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### 4. Options to exploit opportunities or address issues identified

- Developing plan
- Potential over-run of maximum 90 day TDA policy

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## 5. Process requirements

- TDA Policy Statement
- Stakeholder engagement
- Safety Assessment

CAA

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# 6. Provisional process timescales under CAP 1616

Final Submission – 2 April 2021

AIC Publication – 3 June 2021

Implementation – 3 June 2021



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## 7. Next Steps

Discussion



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## 8. AOB

### Discussion