

Space Launch and Orbit Group

Launch session

March 2022



Welcome

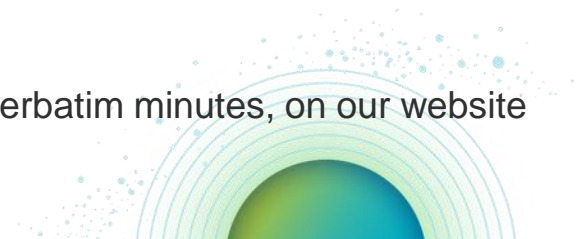
Agenda

- Welcome
- Airspace update
- Applications update
- Assessment of Environmental Effects
- Q&A / feedback
- AOB

Spaceflight Safety and Regulatory Council vs. Space Launch and Orbit Group

Housekeeping

- Please mute microphones
- Please use chat or raise Teams hand to ask any questions
- We will be publishing the slides and actions from this meeting, not verbatim minutes, on our website at caa.co.uk



Airspace update

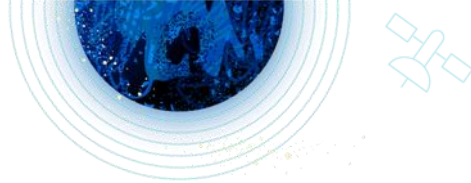
Stu Lindsey



Applications

Garry Lathey





Applications

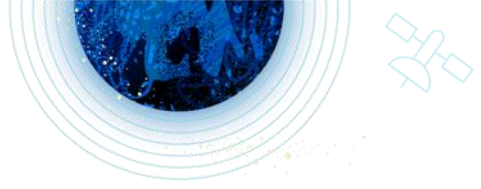
The number of applications received is ramping up

Spaceport

- We are assessing 2 applications for spaceports
- We are also in pre-application engagement with another 3
- In the next 6 months we expect to receive 2 to 3 more applications for spaceport

Range

- We are assessing 2 applications for range licences
- We are also in pre-application engagement with another 3
- In the next 6 months we expect to receive 2 more applications for range



Applications

The number of applications received is ramping up

Launch

- We are assessing 2 applications for launch
- We are also in pre-application engagement with another 3 operators
- In the next 6 months we expect to receive 3 to 4 applications for launch

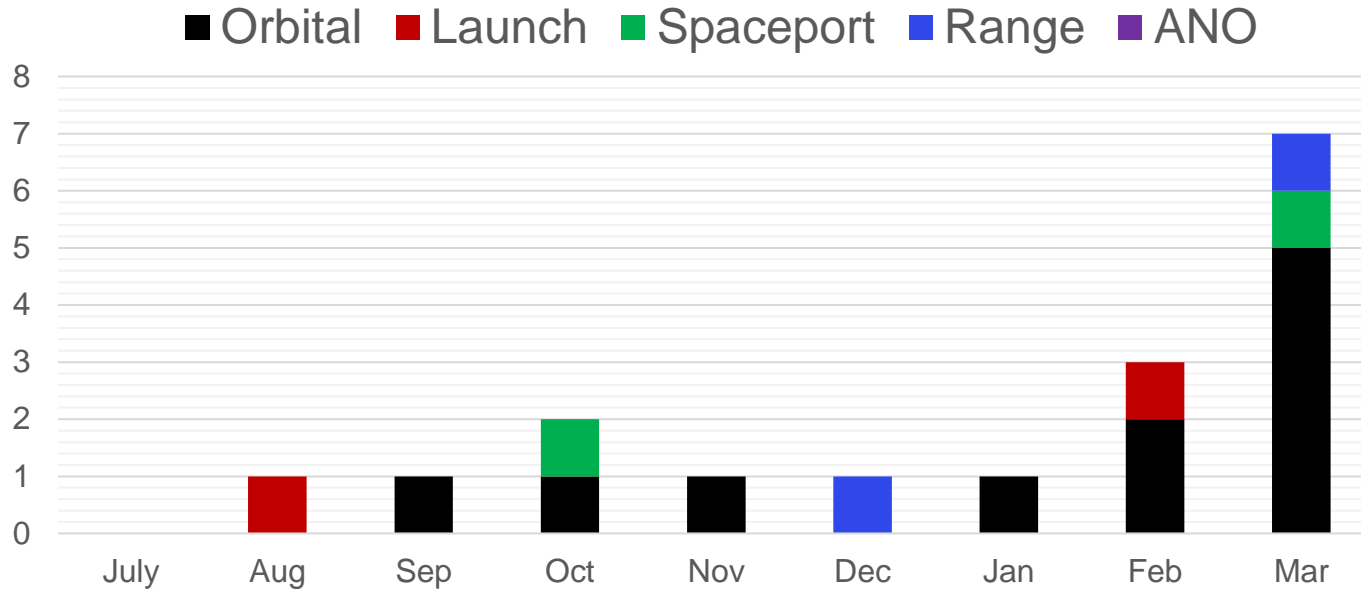
ANO

- We are assessing applications for 2 ANO rocket permissions
- We are also in pre-application engagement with 2 operators
- In the next 6 months we expect to receive 2 applications for ANO permissions

All applications received

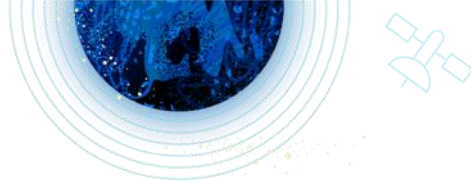
Including orbital

2021/22



Applications

Insights from our first 6 months as the UK's space regulator



Feedback welcome

We have received some good feedback, please continue to let us know what works well and what needs improving, ensuring it is provided to us (CAA) and not other agencies

We continue to improve

We have listened to your feedback, we have already made changes to our systems

Use generic/typical data or Information

Whilst we recognise that data, people and processes are often in development at the point of application, please use generic/typical data or information so the application can continue. We expect a degree of iteration during the licensing process.

Preparation & quality reduces application time

We have seen applications that have appeared to have been rushed, and it is essential enough time is planned for information & evidence to be complete and of sufficient quality to avoid applications being put on hold

Applications

It is essential that enough time is allocated to prepare a good set of documents and evidence for submission with the application

	Start			Submit application						Total Time
Launch	Document & evidence preparation 3-6 months			Licensing process 9-18 months				1-2 months	Planned activity	13-26 months
Spaceport	Document & evidence preparation 3-6 months			Licensing process 6-18 months			1-2 months	Planned activity		10-26 months
Range	Document & evidence preparation 2-4 months			Licensing process 6-18 months			1-2 months	Planned activity		9-24 months
Orbital	Document & evidence preparation 2-4 months (New Operators)			Licensing process 6-12 months			1-2 months	Planned activity		9-18 months

Licensing processing time is a guide, it could be slightly shorter or longer dependent on the complexity of the application and the quality of the submitted documents and evidence, we will always process your application as fast as possible, planning with shorter timescales is at your own risk.

Applications – questions?



AEE

Colin Macleod



Assessment of Environmental Effects

- Considers the potential environmental effects of launch activities and the proportionate steps to avoid, mitigate or offset these impacts
- Sets the maximum number of launches that can take place over the course of a year that can be carried out in an environmentally sustainable manner.
- Approach is aligned with Environmental Impact Assessments



Lessons learnt

For industry

- Read and follow [Guidance for the assessment of environmental effects \(caa.co.uk\)](https://www.caa.co.uk/guidance-for-the-assessment-of-environmental-effects)
- Use a competent expert
- Early engagement with the CAA during pre-application

For Government

- Matters to be covered by the spaceport AEE do not reflect the operating model for horizontal spaceports



Q&A / Feedback



Thank you
caa.co.uk/space