

# The UK Civil Aviation Authority The UK's independent Spaceflight Regulator

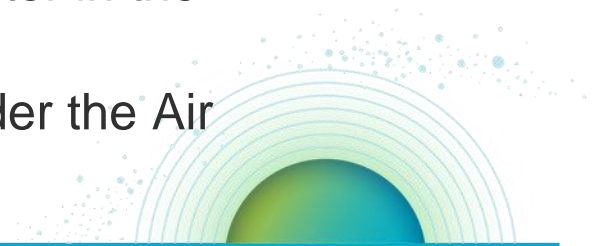
## The approach to Regulation of UK activities

29 March 2022

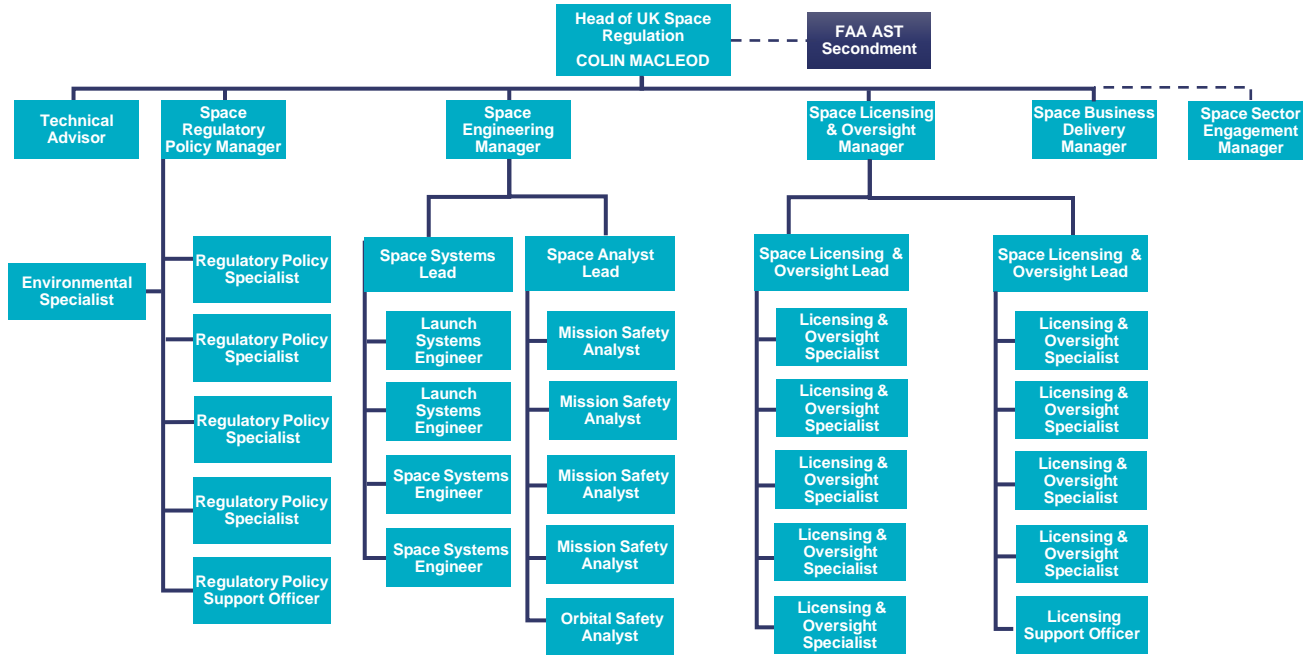
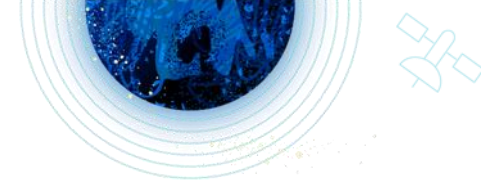


# UK spaceflight regulator

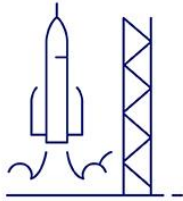
- 29 Jul 2021 the CAA became the UK spaceflight regulator
- Our independent status separates safety regulation of spaceflight activities from sector promotion
- In line with the lessons learned from the Piper Alpha disaster
- Single point of contact for all matters related to spaceflight safety regulation
- Strong track record in overseeing the aviation sector in the UK, one of the safest in the world
- Prior experience in regulating rocket activities under the Air Navigation Order 2016.



# Our team



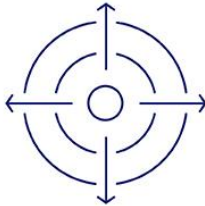
# Activity scope



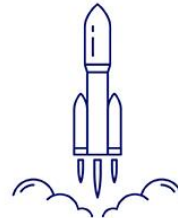
Spaceport



In orbit



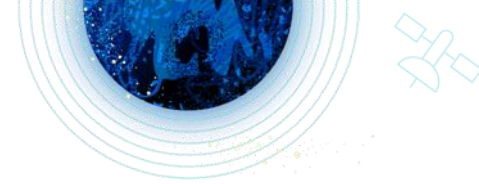
Range



Launch

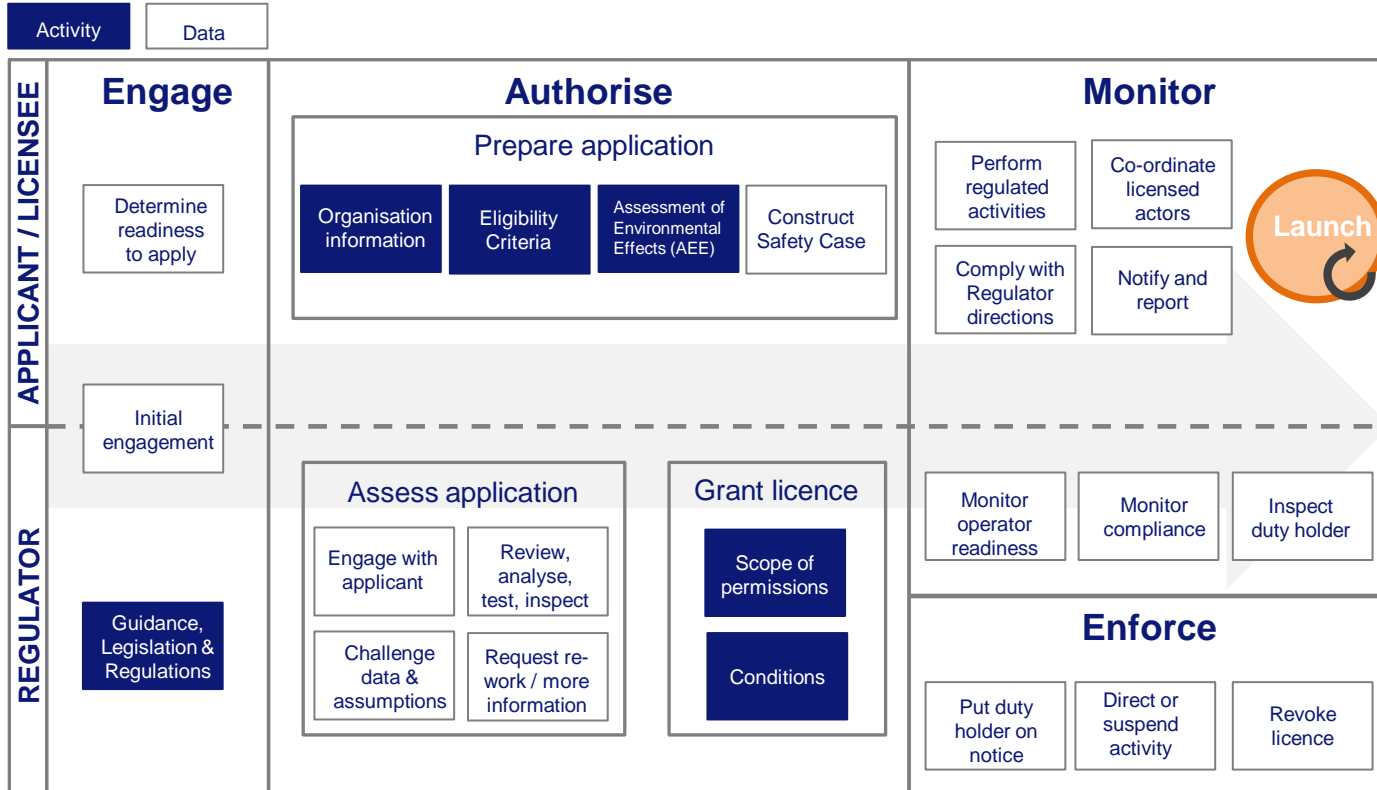


# UK space legislation



- **The Outer Space Act 1986 (OSA)** applies to UK nationals and UK companies intending to launch or procure the launch of a space object or operate a space object outside the UK
- **The Space Industry Act 2018 (SIA)** applies to anyone intending to carry out space activities, sub-orbital activities, and associated activities in the UK
- **The Air Navigation Order** applies to the launch of a vehicle in the UK that is not capable of operating above the stratosphere
- The CAA became the UK's independent space regulator on 29 July 2021

# Regulatory model for launch



# In orbit – licensed by satellite

Licence assessment  
based on:

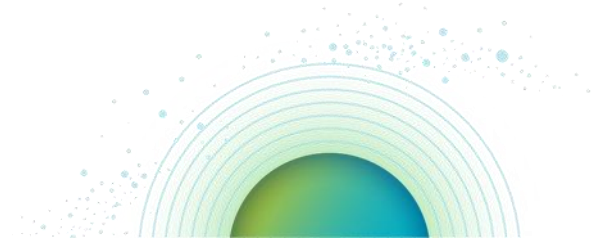
- Application form
- Financial information
- National security question set
- Technical question set for safety and sustainability
- **Safety case required for novel proposals**
- Cyber security strategy



Licence



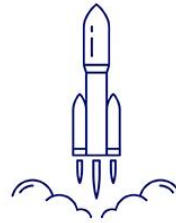
Ongoing monitoring  
Annual health check



# Launch – licensed by operator

Licence assessment based on:

- Application form
- Financial information
- Safety case
  - Ground safety analysis
  - Flight safety analysis
  - Safety management system
- Security programme
- Cyber security strategy
- Assessment of environmental effects



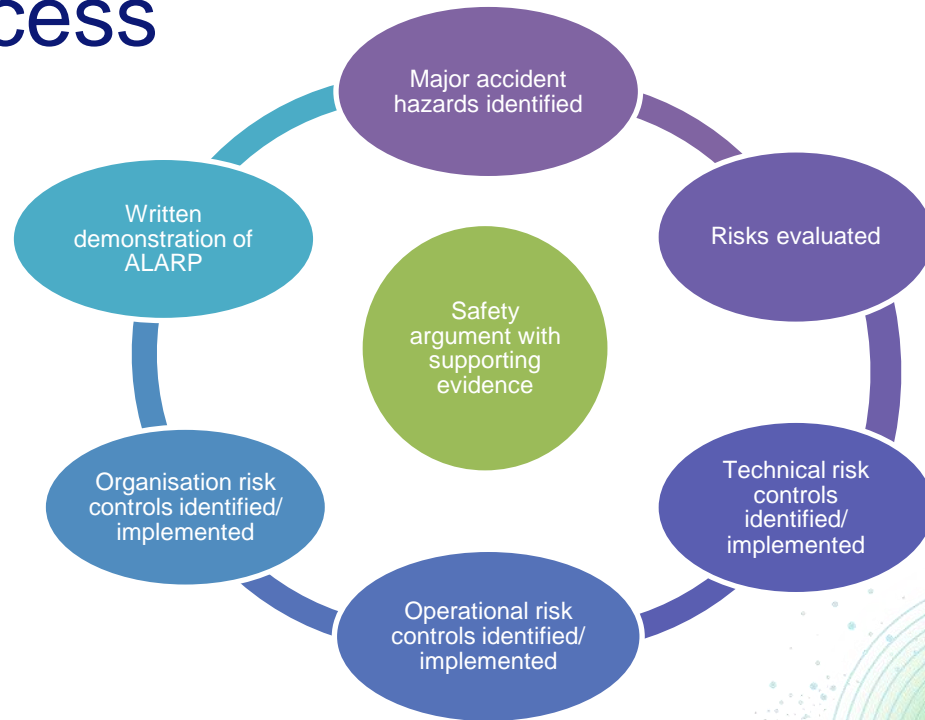
Licence



- Ongoing monitoring
- Notifications prior to launch
- Safety case review and revision before significant changes are implemented



# Central role of the safety case in the licensing process



**Thank you**  
[caa.co.uk/space](https://caa.co.uk/space)