

The UK Spaceflight Regulator

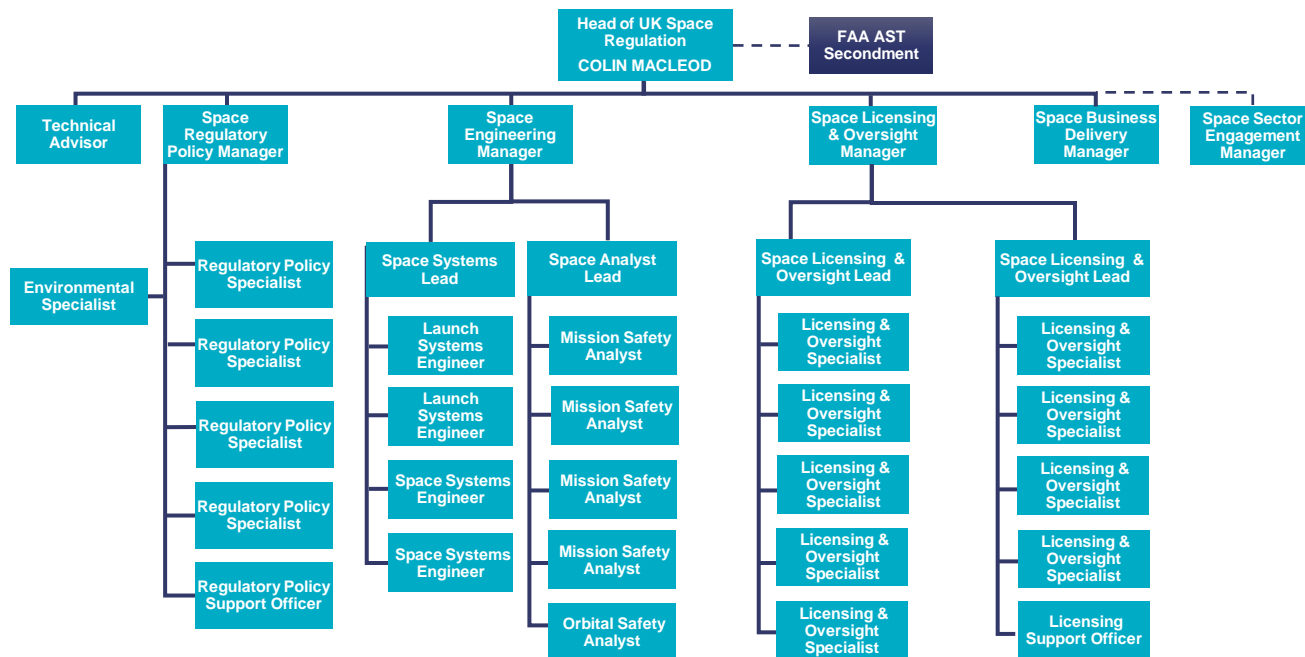
February 2022

UK spaceflight regulator

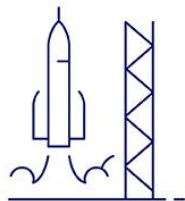
- 29 Jul 21 the CAA became the UK spaceflight regulator
- Our independent status separates safety regulation of spaceflight activities from sector promotion
- In line with the lessons learned from the Piper Alpha disaster
- Single point of contact for all matters related to spaceflight safety regulation
- 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



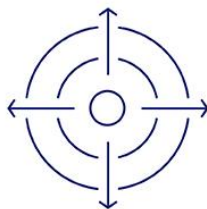
Activity scope



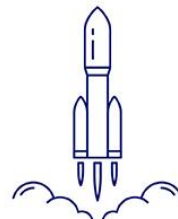
Spaceport



In orbit



Range



Launch

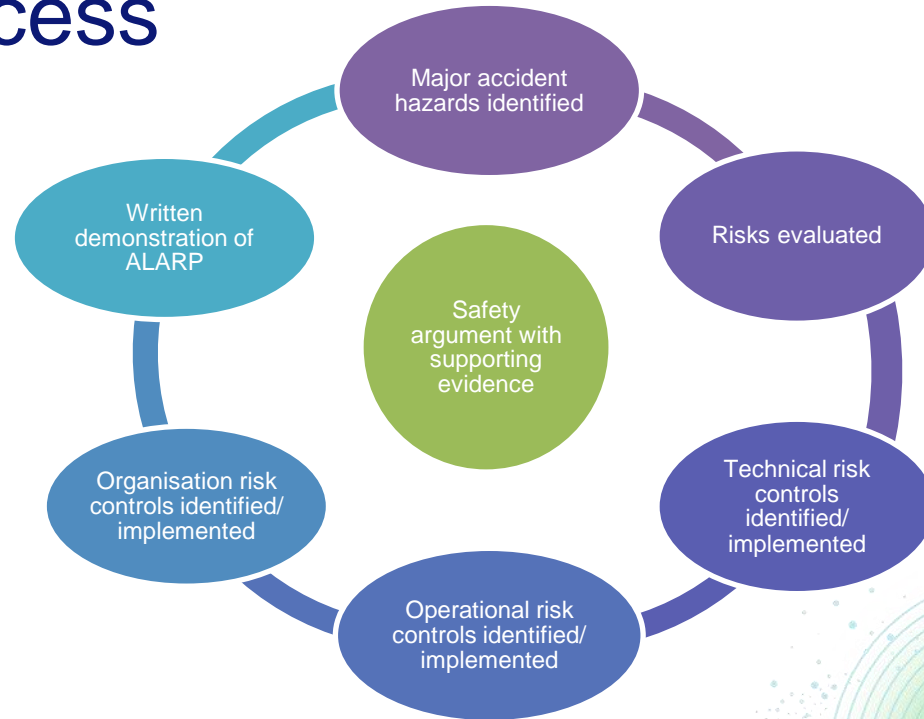


UK space legislation



- **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 (circa 50km altitude)
- The CAA became the UK's independent space regulator on 29 July 2021

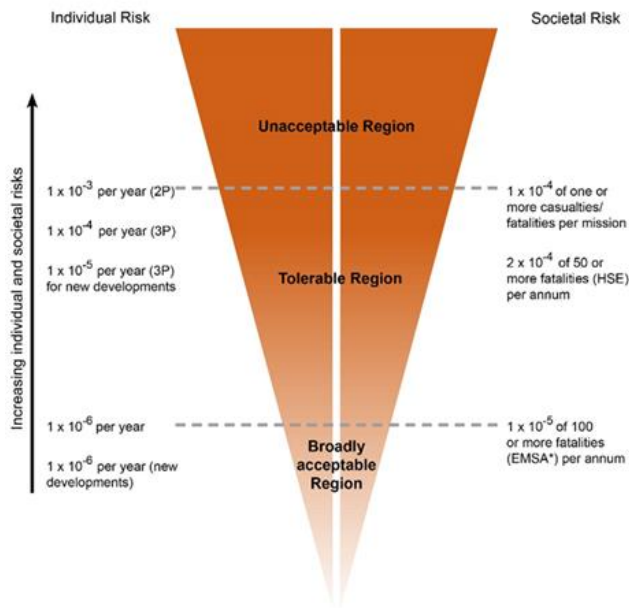
Central role of the safety case in the licensing process



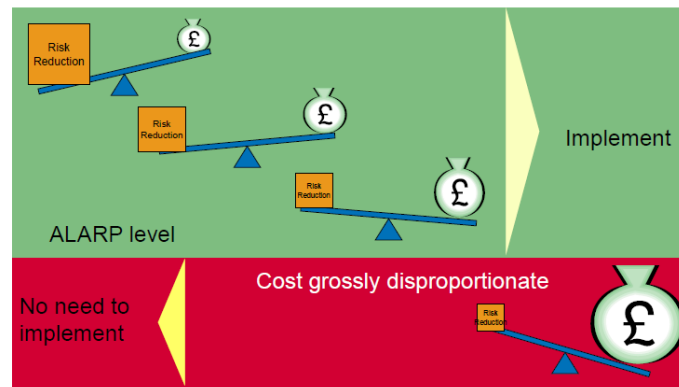
Demonstrating ALARP



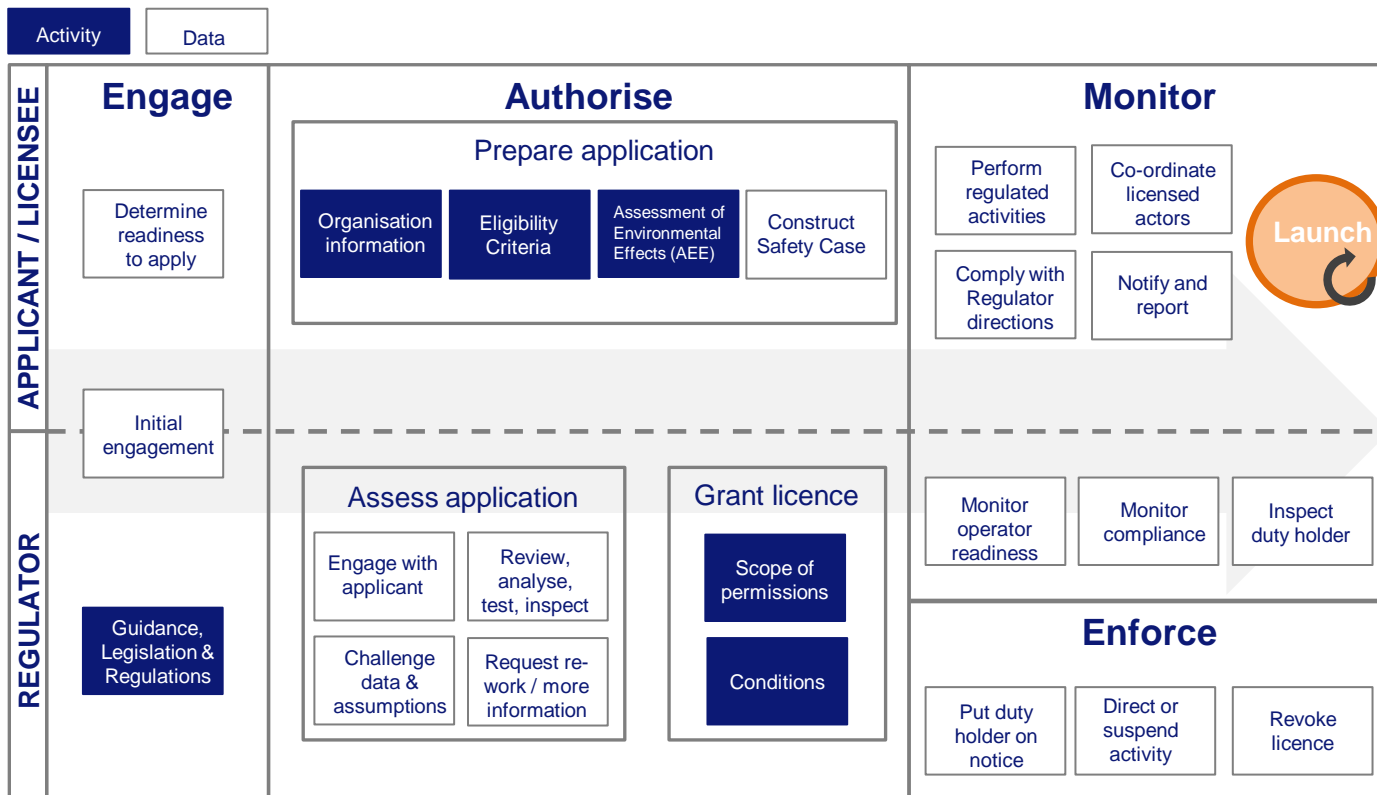
Spaceflight Regulator Tolerability of Risk



- What more can we do to reduce the risk?
- Why are we not doing it?
- Grossly disproportionate?



Regulatory model for launch



Activity scale



Orbital

- We've issued licences for 108 UK operated satellites launched overseas, with a further 13 applications in the pipeline
 - 23 active licence holders, with 436 active licences

Spaceport, launch, range and ANO

- We are assessing applications for spaceport, launch and range licences
- We are also in pre-application engagement with 14 operators
- In the next 6 months we expect to receive 7 applications for spaceport, launch, range and ANO

Thank you
caa.co.uk/space