

Space Launch and Orbit Group

Orbit session

25 Nov 2021

Welcome

Agenda

- Steering group – introduction (15 mins)
- Terms of reference (15 mins)
- Regulator update (20 mins)
- Next steps discussion (20 mins)
- AOB (5 mins)

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

Housekeeping

- Please mute microphones
- Please use chat or raise Teams hand for questions
- We will be publishing the slides and actions from this meeting, not verbatim minutes, on our website at [caa.co.uk](https://www.caa.co.uk)

Steering group

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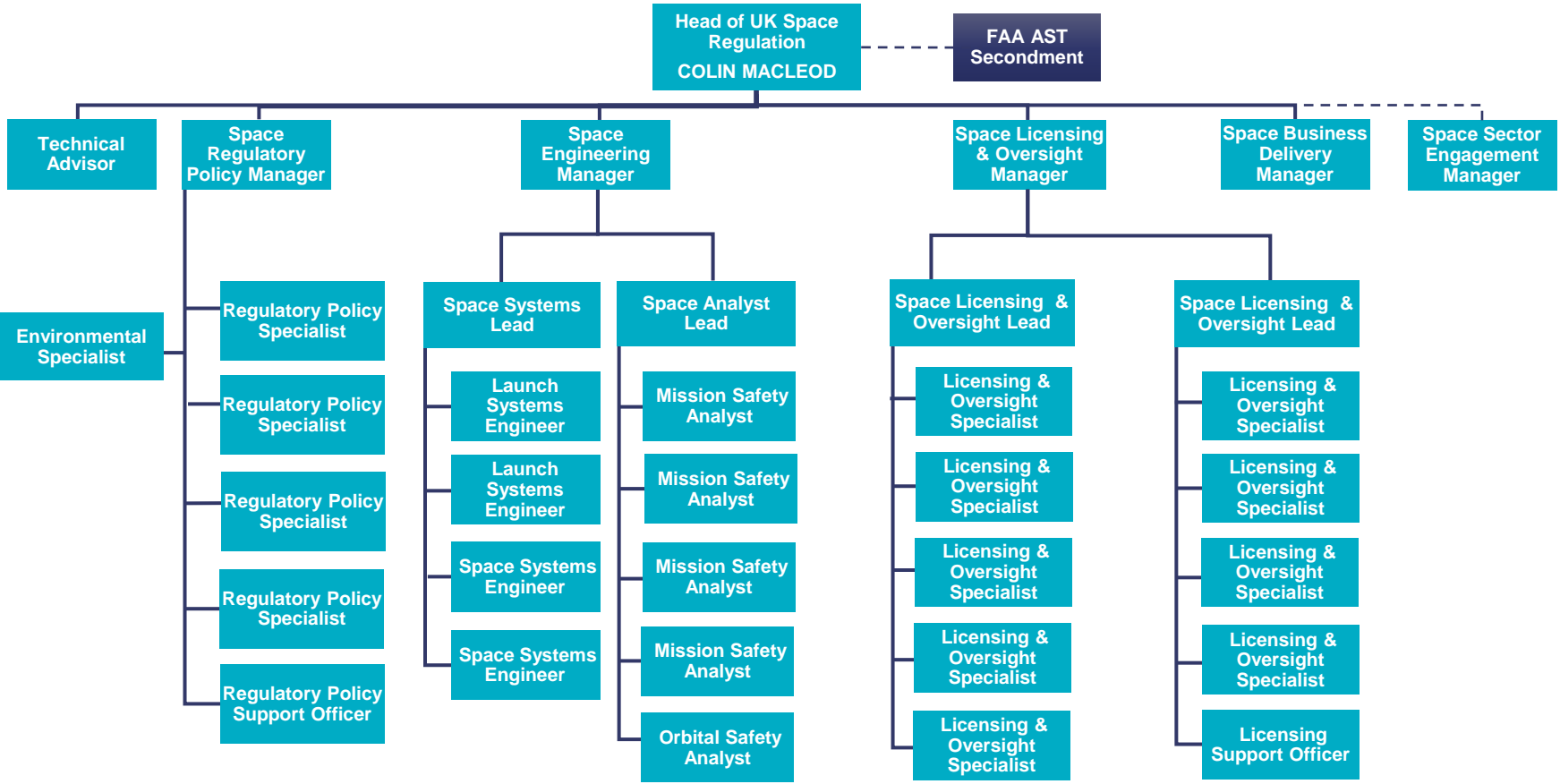
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Terms of reference

1. Context
2. Function
3. Governance
4. Membership
5. Working groups
6. Meeting structure

Regulator Update

Our Space Regulation team



commercialspaceflight@caa.co.uk

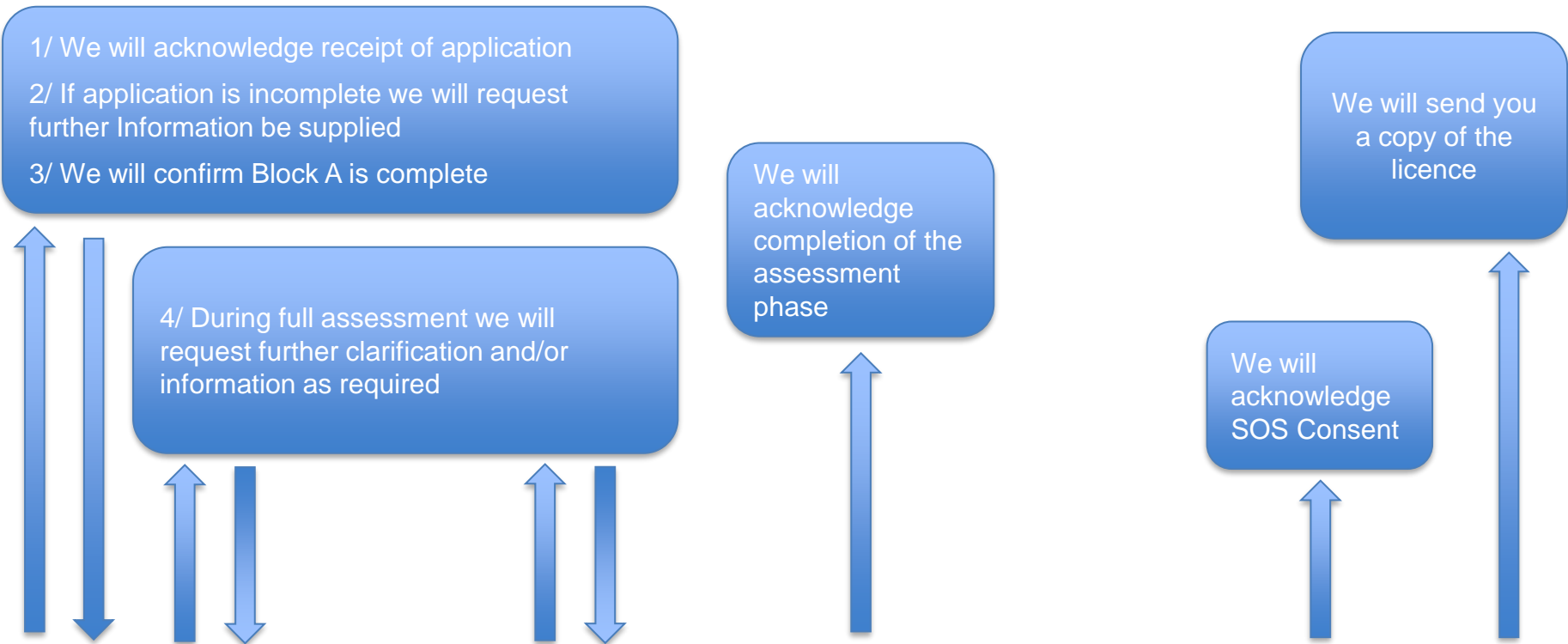
Activity update

- Published guidance and licensing statements
- Supplied evidence to the Science & Technology inquiry
- Continued pre-application engagement
- Industry outreach/site visits
- Safety case workshops
- Industry events
 - Westminster Business Forum
 - Ignite21
 - Bremen Space Expo

Orbital licensing

- Orbital online portal and online application form is live
- 23 active licence holders, with 436 active licences
- 2020/21 number of licences issued = 80
- 2021/22 number of licences issued to date = 214
- Number of live cases = 298
12 standard plus 286 part of constellation
- Pipeline – we are estimating 6 applications in the next 2 months

Orbital licence application process OSA/SIA



A	B	C	D	E	F	
Initial Screen	Assessment	Conclusions Meeting	Senior Sign-off	*Statutory Consultation	Secretary of State Consent	Licence Issue

6 - 12 Months

OSA Alignment

Space is changing:

- Technology is constantly evolving
- New operating models are emerging
- Popular orbits are becoming increasingly congested

The Space Industry Act 2018 (SIA), which regulates the licensing of orbital operations from the UK, is already well equipped to take into account this evolving orbital environment.

OSA Alignment

The CAA is now also carrying out a review of licensing requirements under the Outer Space Act 1986 (OSA), which governs UK orbital operations carried out from overseas.

- Updating the OSA licensing requirements will help the UK maintain space activities which are safe, secure and sustainable for all
- Greater alignment between the OSA and SIA will also help to streamline and simplify the UK licensing process, reducing the regulatory differences UK licensees face when operating from the UK or from overseas

OSA Alignment

We are proposing a phased alignment of OSA requirements:

- Phase I: Will align corporate checks carried out under the OSA to align with the 'Prescribed Roles', 'Eligibility Criteria' and 'Regulator's Licensing Rules Information Requirements' of the SIA.
- Phase II: Will assess the alignment of Security, Liability and Insurance requirements.
- Phase III: Will assess the alignment of licence application and compliance procedures.

When assessing alignment under each of these phases, we will take into account:

- The safety, security, and sustainability benefits;
- The regulatory streamlining benefits; and
- The different geographical factors underpinning the SIA (UK) and the OSA (Overseas).

What does this mean for applicants?

OSA applicants

(-) Will need to submit some additional documentation on corporate checks, if applying for an OSA licence

(This will be clarified in the guidance/application forms. The documentation is the same as for the SIA and is driven by the changes in the space sector)

(+) Will benefit from a more streamlined licensing regime, insofar as OSA and SIA applications are now treated the same and there is a single, harmonised set of documentation to provide for Corporate Checks

This simplifies the previous regime where applicants had to identify the correct set of documentation to provide for the Corporate Checks from three separate lists (1 list for OSA licences, 1 list for SIA licences and 1 list for Hybrid OSA-SIA licences)

SIA applicants

(n) Submit the same documentation as before as this only affects OSA applications

(+) The overall licensing regime is more streamlined and easier to understand

(+) The playing field is more level, as OSA applicants now undergo the same Corporate Checks as SIA applicants

OSA and SIA at a glance

	OSA Licensing Regime (Pre-Alignment)	SIA Licensing Regime
General Approach	Outcome-based / Non-prescriptive	Outcome-based / Non-prescriptive
Licensing Process	<ul style="list-style-type: none"> - Optional Pre-Application (incl. optional TLS) - Formal Application - Monitoring & Compliance of Licensed Activities 	<ul style="list-style-type: none"> - Optional Pre-Application (incl. optional TLS) - Formal Application - Monitoring & Compliance of Licensed Activities
Fees	£6,500 per licence (fee adjustments may apply for constellations) General Educational Exemption	£6,500 per licence (fee adjustments may apply for constellations) Case-by-Case Exemption
Liabilities	Limited at €60m for orbital operations	Limited at €60m for orbital operations Orbital Operator Liability for Launch limited to MIR S.34 strict liability rights of claim for damage in the UK
Corporate Checks	Company Only	Company and Key Individuals ("Fit & Proper Persons" Checks and Eligibility Criteria)
Prescribed Roles	N/A	Accountable Manager Security Manager (where applicable)
Safety Reqs.	Safety Assessment Questions	Safety Assessment Questions
Security Reqs.	Security Check	Security Assessment Questions Security Requirements for Space Sites (e.g. MMFs) Security Requirements for Security Manager Cybersecurity Strategy
Spectrum Reqs.	Ofcom Check	Ofcom Check

Next steps



Next steps - stages of work

Areas of focus for the next 12 months

The SPLOG will meet every four months, next meeting Mar 22 in person with virtual links

Please send questions or agenda item suggestions to a steering group member best suited to your area

Possible working groups

AOB

