

Licence ref: SR-APP-001012



Oversight and Monitoring Plan v.1.0

for

Virgin Orbit, LLC

In relation to its Range Control Licence

Issued to

Virgin Orbit, LLC

On

20 December 2022

1. SCOPE AND PURPOSE

- 1.1. This Oversight and Monitoring Plan (“the OMP”) sets out reporting requirements for **Virgin Orbit, LLC** (“the Licensee”) to support the Regulator’s oversight and monitoring of the activities permitted by the **Range Control Licence** granted to the Licensee (“the Licence”). The OMP must be read with, and in light of, the terms and conditions of the Licence, the Act and the Regulations.
- 1.2. The definitions used within the Licence, the Act and Regulations are adopted in this OMP.
- 1.3. This OMP may be updated by the Regulator from time to time during the period of the Licence. The Regulator will inform the Licensee prior to any amendment. Whenever the OMP is updated, a copy of the amended OMP will be provided to the Licensee.
- 1.4. The Regulator’s monitoring and enforcement powers set out at Part 14 of the Regulations and in section 26 of the Act, and the Licensee’s obligations under that Part, as well as under any other Part of the Regulations that applies to the Licensee, are not affected by this OMP. Where necessary, this may include the provision of further information from the Licensee, beyond what is specified in the OMP.
- 1.5. The Regulator may take enforcement action based on the results of its monitoring and oversight activities if necessary.
- 1.6. Guidance in relation to the Regulator’s monitoring powers and requirements can be found on the Regulator’s website.
- 1.7. The Regulator is not bound by the terms of this OMP and may take other action as it thinks appropriate. In particular, the Regulator will maintain a programme of oversight, and will notify the Licensee in advance of any planned oversight under this programme. The Regulator will endeavour to provide details as soon as possible, but advance notice may be limited if any unplanned oversight is required under the Regulator’s monitoring and enforcement powers set out at Part 14 of the Regulations.
- 1.8. Where Licensee is also the licence holder of the Spaceflight Operator Licence (which includes the accompanying Spaceflight Operator Licence Oversight and Monitoring Plan referred to within that licence), duplicate notifications, information and evidence listed in both the Spaceflight Operator Licence Oversight and Monitoring Plan and Range Control Licence OMP do not need to be provided to the Regulator, where such information would be identical. Where this is the case, the Licensee must clearly mark all notifications, information and evidence to state whether they apply to spaceflight activities, range control services, or both spaceflight activities and range control services.

2. NOTIFICATIONS AND INFORMATION REQUIRED TO BE PROVIDED TO THE REGULATOR – PRE-LAUNCH

- 2.1. The Licensee must provide the following documents, information and evidence to the Regulator in relation to its Licensed Activities for its review, as soon as reasonably practicable after these become available, but prior to the intended Launch Window:

2.1.1. **Surveillance (marine)**

- a. Most recent/up to date 'Hazard areas' and 'exclusion zones'; and
- b. Most recent/up to date go / no-go criteria for marine traffic.

2.1.2. **Tracking**

- a. Evidence of qualification and acceptance testing results of tracking and telemetry systems; and
- b. Evidence of a recent example of a telemetry ground station manual check out.

2.1.3. **Co-ordination**

- a. Signed relevant agreements relating to the provision of the Licensee's range control services and setting out the terms under which the Licensee will co-operate with the relevant authorities to ensure the effective and safe operation of the range prior to and during the Licensee's spaceflight activities, in accordance with Regulations 43 – 45;
- b. Evidence of processes and procedures on the day of launch including but not limited to roles and responsibilities of the Range Operations Manager and Range Safety Manager;
- c. Evidence that that a Marine Management Organisation (MMO) marine licence under the Marine and Coastal Access Act 2009 has been granted; and
- d. Confirmation of the radio frequencies to be used in the carrying out of the Licensed Activities and evidence that the Licensee has been granted the appropriate OFCOM radio frequency licences, or other radio frequency licences if the radio frequency used is not under UK jurisdiction.

2.1.4. **Notifications**

- a. Evidence of checklist or procedure regarding the timing schedule in relation to notifications and warnings;
- b. Evidence of notifications and warning being published in accordance with the most up to date notification plans and timing schedule, prior to each launch;
- c. Evidence that UK Space Command has been added to a notification plan; and
- d. Details of the designated range to the persons stipulated in Regulation 46.

2.2. "Launch Window" means the time period during which an intended launch is projected to take place by the spaceflight operator.

3. NOTIFICATIONS TO BE PROVIDED TO THE REGULATOR - GENERAL

- 3.1. The Licensee must provide an update to the Regulator in all instances where required by the Regulations, including but not limited to:
 - 3.1.1. Prior notice of any material alteration or amendment to the safety management systems or quality management systems arrangements, as required by under Regulation 52.
 - 3.1.2. A copy of the space site security programme upon its annual review, as required by Regulation 170(5).
 - 3.1.3. The Licensee must inform the Regulator in writing as soon as possible of any material change in any of the information provided to the Regulator by or on behalf of the Licensee, whether in or with the application for this Licence or after this Licence has been granted and/or come into effect, as required by Regulation 282(2). Failure to do so may amount to the Licensee committing an offence in accordance with Regulation 283 and may result in penalties in accordance with Regulation 284.
 - 3.1.4. Where information has been provided by a person other than the Licensee, the Licensee must inform the Regulator in writing of any material change in that information as soon as possible after the Licensee becomes aware that the information in question was provided to the Regulator and of the change in the information, as required by Regulation 282(3). Failure to do so may amount to the Licensee committing an offence in accordance with Regulation 283 and may result in penalties in accordance with Regulation 284.
 - 3.1.5. The Licensee must notify the Regulator of any Occurrence within 72 hours of the time at which the Licensee became aware of the Occurrence, as required by Part 16 of the Regulations.
 - 3.1.6. The Licensee must provide the Regulator with written notice of a change of individual undertaking a prescribed role, in advance of the proposed change, as required by Regulation 13(1). Such notice must be accompanied by information about the individual's suitability to carry out the prescribed role, to be provided sufficiently in advance of the proposed change to allow the Regulator to carry out any checks deemed necessary.

4. REGULATOR APPROVAL REQUIRED

- 4.1. The Licensee must seek written approval from the Regulator before any change is made to:
 - 4.1.1 Any relevant agreement entered into under Regulation 43, whereby the Licensee must not terminate, enter into any amendment to a relevant agreement, or enter into a replacement agreement without the Regulator's written approval as set out in Regulation 43(5) and 43(6);

- 4.1.2 The appointment of the individual performing the role of training manager. The Regulator's approval of an individual to hold the role of training manager will be determined as set out in Regulation 64;
- 4.1.3 The extent of the responsibilities of the training manager, as required by Regulation 62(5); and
- 4.1.4 The following matters in the training manual, as required by Regulation 68(2) and as applicable to the licence:
 - a. the scope of the training for relevant individuals carried out by or on behalf of the Licensee ("the training");
 - b. the locations where the training is carried out;
 - c. the course structure and training methods adopted for the training;
 - d. the use of instructors in the training;
 - e. the standards of competence set for each role in relation to the Licensed Activities; and
 - f. the facilities and equipment used in the training, including the simulated training devices and aircraft where appropriate.