



PERMITTING DECISION SUMMARY

LacunaSat-2

Lacuna Space Ltd

1. Lacuna Space Ltd is a company based in the United Kingdom providing a low cost, simple and reliable Internet of Things (IoT) service for global connections to sensors and mobile equipment.
2. The primary mission of the LacunaSat-2 satellite is to test a sensitive radio frequency receiver that can detect and relay to a ground station the faint signals from small battery-powered IoT sensors, in the satellite's field of view, through a deployable antenna.
3. The payload draws power for a one-off deployment of the antenna that remains deployed for the duration of the mission.
4. Payloads are permitted in line with the [Outer Space and High-altitude Activities Act 2017](#) (OSHAA) and the [Outer Space and High-altitude Activities \(Licences and Permits\) Regulations 2017](#).
5. Each payload has been approved by the Minister for Economic Development, on advice from officials across agencies. When approving payloads, the Minister needs to be satisfied that:
 - a. The applicant has taken and will continue to take all reasonable steps to safely manage the operation of the payload;
 - b. The proposed operation of the payload is consistent with New Zealand's international obligations; and
 - c. The applicant has an orbital debris mitigation plan that meets prescribed requirements.
 - d. Despite being satisfied of these matters, the Minister may nevertheless decline a permit if he is not satisfied that the proposed operation of the payload is in New Zealand's national interest.

Date Granted	Authorisation Number	Payload Name	Owner or Operator	Country of Origin
19 December 2019	190107-PPT	LacunaSat-2	Lacuna Space Ltd	United Kingdom



**NEW ZEALAND
SPACE AGENCY**



PAYLOAD PERMIT

19 0107 - PPT

I, Hon Phil Twyford, as Minister for Economic Development, acting pursuant to section 17 of the Outer Space and High-altitude Activities Act 2017 grant a Payload Permit to:

Lacuna Space Limited

Lacuna Space Limited is authorised to launch and operate one 'LacunaSat-2' payload, for the purpose of technology demonstration.

This permit will take effect upon signature, and will expire

(i) two (2) years from that date, or

(ii) if the payload is launched, when the payload is no longer in the Earth's orbit.

This permit is granted subject to the Outer Space and High-altitude Activities Act 2017 and all regulations under the Act, and the conditions of the permit.

19.12.19

Dated

Hon Phil Twyford
Minister for Economic Development