



PERMITTING DECISION SUMMARY

FossaSat-1

Fossa Systems

1. Fossa Systems is a non-profit association based in Spain whose objective is to democratise access to space. Their vision encompasses both telecommunications and access to smaller satellites that can fit in your pocket and be launched for less than the cost of a car.
2. FossaSat-1 is a communications satellite that uses low power radio frequency to provide Internet of Things connectivity. The satellite has been built using low cost, off-the-shelf components.
3. FossaSat-1 is testing a new solar panel mechanism, which will increase the radar reflectivity to that of a standard 1U CubeSat or greater. This will allow for more accurate monitoring of the satellite in orbit.
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
30 October 2019	190067-PPT	FossaSat-1	Fossa Systems	Spain



**NEW ZEALAND
SPACE AGENCY**



PAYLOAD PERMIT
19 0067 - 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:

Fossa Systems

Fossa Systems is authorised to launch and operate one 1/8U PocketQube satellite ('FossaSat-1'), for the purpose of technology demonstration.


This permit will take effect upon signature, and will expire
(i) three years from the date of signature, 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.

3 0 OCT 2019

Dated


Hon Phil Twyford
Minister for Economic Development