



PERMITTING DECISION SUMMARY

SPACEBEE 8 & 9

Swarm Technologies Inc

1. Swarm Technologies Inc (Swarm) is a company based in the United States that is working to provide low-cost global connectivity to make the internet more accessible.
2. Swarm are launching two 1U CubeSat data relay payloads to test their technology. These are called SPACEBEE 8 and 9.
3. The SPACEBEEs will demonstrate the performance of new satellite designs for low-power and lower data rate VHF communications between ground stations and satellites. A secondary objective of the mission is to demonstrate the feasibility of the Swarm system to meet low data rate communication objectives.
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.
6. Prior to the OSHAA, the [contract with Rocket Lab](#) allowed the Government to veto the launch of any payload that it determined was contrary to New Zealand law, regulations or policy, was contrary to New Zealand's international obligations or would prejudice New Zealand's national security or other national interests. Every payload launched by Rocket Lab under the contract was assessed against these interests.

Date Granted	Authorisation Number	Payload Name	Owner or Operator	Country of Origin
18 April 2019	190063-PPT	SPACEBEE 8 and SPACEBEE 9	Swarm Technologies Inc	United States



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PAYLOAD PERMIT

190063-PPT

I, Hon David Parker, 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:

Swarm Technologies, Inc.

Swarm Technologies, Inc. is authorised to launch and operate 'SPACEBEE-8' and 'SPACEBEE-9', for the purpose of technology demonstration.

This permit will take effect upon signature, and will expire (i) if their ceases to be a United States authorisation, 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.

18 APR 2019

Dated

Hon David Parker
Minister for Economic Development



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