



## PERMITTING DECISION SUMMARY

### Swarm Technologies Inc

#### 12 SPACEBEE 1/4 U CubeSats

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 twelve 1/4 U CubeSat data relay payloads.
3. The SPACEBEEs will provide low-power and low-data rate VHF communications between Earth and Space. A secondary objective is to provide data services to customers around the world.
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 |
|-------------------|----------------------|----------------------------|------------------------|-------------------|
| 17 September 2019 | 190061-PPT           | 12 SpaceBEE 1/4 U CubeSats | Swarm Technologies Inc | United States     |



**NEW ZEALAND  
SPACE AGENCY**



**PAYLOAD PERMIT**  
**190061-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:

**Swarm Technologies, Inc.**

Swarm Technologies, Inc. is authorised to launch and operate twelve 1/4 U CubeSat 'SpaceBEES', for the purpose of providing commercial data connectivity services.

This permit will take effect upon signature, and will expire  
(i) if there 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.

Swarm Technologies, Inc are required to provide the unique code and identifier for each of the twelve 'SpaceBEES' prior to launch. 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.

17.9.19

Dated

Hon Phil Twyford  
Minister for Economic Development



New Zealand Government



**MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT**  
HIKINA WHAKATUTUKI

New Zealand Government