



PERMITTING DECISION SUMMARY

SPACEBEEs 1-48 (variation to current payload permit #190061)

Swarm Technologies Incorporated

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. The 48 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.
3. Swarm applied to vary the payload permit (190061-PPT) issued on 17 September 2019. The variation increased the number of payloads authorised from 12 to 36 and changed the orbital parameters to an orbital range.
4. Authorisation of these changes allows Swarm to align their New Zealand payload permit with their U.S. Federal Communications Commission licence and provides flexibility to complete a number of launches from New Zealand.
5. 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](#).
 - a. 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:
 - b. The applicant has taken and will continue to take all reasonable steps to safely manage the operation of the payload;
 - c. The proposed operation of the payload is consistent with New Zealand’s international obligations; and
 - d. The applicant has an orbital debris mitigation plan that meets prescribed requirements.
 - e. 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	Date Varied	Authorisation Number	Payload Names	Owner or Operator	Country of Origin
17 September 2019	24 July 2020	190061-PPT	SPACEBEEs (1-48)	Swarm Technologies Inc.	United States