



PERMITTING DECISION SUMMARY

LEMUR-2

Spire Global, Inc

1. Spire Global, Inc (Spire) is a space-to-cloud data and analytics company that specialises in the collection of global data through a large nanosatellite constellation.
2. LEMUR-2 is a 3U (100mm x 100mm x 340.4mm) CubeSat with solar cells and batteries for the purpose of meteorological, aviation, and maritime monitoring. This LEMUR-2 also carries additional equipment to test an orbital debris detection system on behalf of the Austrian Space Forum.
3. This LEMUR-2 payload will join the larger LEMUR-2 constellation, which Spire manufactures and operates.
4. Payloads are permitted in line with the [Outer Space and High-altitude Activities Act 2017](#) 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
24 August 2021	200183-PPT	LEMUR-2	Spire Global, Inc.	United States