



PERMITTING DECISION SUMMARY

LEMUR-2

Spire Global Inc,

1. Spire Global, Inc (Spire) is a space-to-cloud data and analytics company. Spire specialises in the collection of space-based data through its large proprietary constellation of LEMUR-2 multipurpose nanosatellites.
2. Spire applied to vary their payload permit 200184-PPT to modify their permitted inclination range. This permit is for 35 LEMUR-2 3U payloads.
3. LEMUR-2 3U CubeSats with solar cells and batteries are for the purpose of meteorological, aviation, and maritime monitoring.
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
2 July 2023	200184-PPT	LEMUR-2 (35)	Spire Global Inc,	U.S.