**PERMITTING DECISION SUMMARY**

**Z01**

**Zenno Astronautics Limited**

1. Zenno Astronautics Limited is an Auckland-based aerospace company, which specialises in superconducting magnets for space applications.
2. Z01 is a payload that will demonstrate the effective operation of the world’s first high-temperature superconducting electromagnets in space.
3. The payload will be hosted inside a commercial satellite carrier, along with other customer payloads. The payload will remain secured to the inside of the satellite carrier and will not be released into orbit.
4. Payloads are permitted in line with the [Outer Space and High-altitude Activities Act 2017](http://www.legislation.govt.nz/act/public/2017/0029/latest/whole.html#DLM6966275) and the [Outer Space and High-altitude Activities (Licences and Permits) Regulations 2017](http://www.legislation.govt.nz/regulation/public/2017/0250/latest/DLM7364101.html).
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:
   1. The applicant has taken and will continue to take all reasonable steps to safely manage the operation of the payload;
   2. The proposed operation of the payload is consistent with New Zealand’s international obligations; and
   3. The applicant has an orbital debris mitigation plan that meets prescribed requirements.
   4. 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.

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| Date Granted | Authorisation Number | Payload Name | Owner or Operator | Country of Origin |
| 21 August 2023 | A230238-PPT | Z01 | Zenno Astronautics Limited | New Zealand |