



## PERMITTING DECISION SUMMARY

### Landmapper-BC5

#### Astro Digital

1. Astro Digital provides customers with space-based systems and mission support services for applications such as Earth observation, satellite communications and technology demonstration.
2. Landmapper-BC5 is a 10kg 6U CubeSat, approximately 0.34m x 0.24m x 0.12m with remote sensing optical imagery capability. The payload will also be a technology demonstration of newly-developed computer processing hardware and chip technology.
3. Landmapper-BC5 imagery will be combined with Astro Digital's two existing satellites for its imagery offerings to customers.
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
15 October 2020	200130-PPT	Landmapper-BC5	Astro Digital	United States