



**PERMITTING DECISION SUMMARY**

**BRO-2 and BRO-3**

**UnseenLabs (SAS)**

1. Unseenlabs SAS is French company specialising in the design and development of electronic equipment, including satellites.
2. BRO-2 and 3 (Breizh Reconnaissance Orbiter) are 6U CubeSats with remote sensing capability. The purpose of the satellites is to monitor the oceans and locate vessels at sea by detecting their electromagnetic emissions.
3. Each satellite also contains a high performance magnetometer sensor as a secondary observation system, dedicated to mapping the Earth's magnetic field at flight altitude e.g. observing natural phenomena.
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.

<b>Date Granted</b>	<b>Authorisation Number</b>	<b>Payload Name</b>	<b>Owner or Operator</b>	<b>Country of Origin</b>
30 July 2020	200119-PPT	BRO-2 and BRO-3	UnseenLabs (SAS)	France