



PERMITTING DECISION SUMMARY

Unseenlabs SAS

Two BRO satellites

1. Unseenlabs SAS is French company specialising in the design and development of electronic equipment, including satellites.
2. Unseenlabs' two BRO (Breizh Reconnaissance Orbiter) satellites 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 (main objectives being to fight against illegal fishery and pollutions at sea).
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.

Date Granted	Authorisation Number	Payload Name	Owner or Operator	Country of Origin
24 November 2021	210198-PPT	BRO-5 & BRO-6 (indicative numbers)	Unseenlabs SAS	France