



## PERMITTING DECISION SUMMARY

### ATL-1

#### Advanced Technology of Laser

1. Advanced Technology of Laser Ltd (ATL Kft) is a company based in Hungary, providing telecommunication networking, laser and optical products and services.
2. The ATL-1 'PocketQube' satellite is a miniaturised satellite with a size of 125cm<sup>3</sup> and is constructed from off- the-shelf materials.
3. ATL-1 is designed to test a new thermal isolation material in space, conduct a thermal insulator material experiment and an orbital demonstration of amateur satellite communications.
4. Payloads are permitted in line with the [Outer Space and High-altitude Activities Act 2017](#) (OSHAA) 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
30 October 2019	190068-PPT	ATL-1	Advanced Technology of Laser	Hungary



**NEW ZEALAND  
SPACE AGENCY**



## **PAYLOAD PERMIT**

**190068 - PPT**

I, Hon Phil Twyford, as Minister for Economic Development, acting pursuant to section 17 of the Outer Space and High-altitude Activities Act 2017 grant a Payload Permit to:

### **Advanced Technology of Laser**

Advanced Technology of Laser is authorised to launch and operate one 1/8U PocketQube satellite ('ATL-1'), for the purpose of technology demonstration.


This permit will take effect upon signature, and will expire

- (i) three years from the date of signature, or
- (ii) if the payload is launched, when the payload is no longer in the Earth's orbit.

This permit is granted subject to the Outer Space and High-altitude Activities Act 2017 and all regulations under the Act, and the conditions of the permit.

**30 OCT 2019**

Dated

  
Hon Phil Twyford  
Minister for Economic Development



New Zealand Government



**MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT**  
HIKINA WHAKATUTUKI

New Zealand Government