



PERMITTING DECISION SUMMARY

ACRUX 1

Melbourne Space Program Ltd

1. Melbourne Space Program Ltd seeks to promote innovation and further education by supporting a strong space economy in Australia and New Zealand. Named for the brightest star in the Southern Cross, ACRUX-1 will be the first satellite from Melbourne Space Program Ltd.
2. The purpose of the ACRUX-1 project is to develop, build and launch a student-built CubeSat. It will test the functionality of the subsystems and to develop the basic requirements for future satellite missions.
3. The payload uses the validated 1U CubeSat form-factor with low-gain antenna capabilities and minor flight control abilities. ACRUX-1 will conduct a technology demonstration of in-orbit engineering. It will also collect and record data on the radiation present in low Earth orbit.
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.
6. Prior to the OSHAA, the [contract with Rocket Lab](#) allowed the Government to veto the launch of any payload that it determined was contrary to New Zealand law, regulations or policy, was contrary to New Zealand's international obligations or would prejudice New Zealand's national security or other national interests. Every payload launched by Rocket Lab under the contract was assessed against these interests.

Date Granted	Authorisation Number	Payload Name	Owner or Operator	Country of Origin
4 April 2019	180049-PPT	ACRUX-1	Melbourne Space Program Ltd	Australia



**NEW ZEALAND
SPACE AGENCY**



PAYLOAD PERMIT

180049-PPT

I, Hon David Parker, 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:

Melbourne Space Program Ltd

Melbourne Space Program Ltd is authorised to launch and operate 'ACRUX-1', for the purpose of technology demonstration and education.

This permit will take effect upon signature and will expire (i) if the Australian Overseas Launch Certificate ceases to have effect before the payload is launched, 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.

4/4/19

Dated



Hon David Parker
Minister for Economic Development

