



PERMITTING DECISION SUMMARY

DRAGRACER

Millennium Space Systems, Inc.

1. Millennium Space Systems, Inc. is a subsidiary of the Boeing Company based in the United States. They provide end-to-end space mission solutions, including the design and manufacturing of satellites in a range of sizes.
2. DRAGRACER is made up of two nearly identical 6U CubeSat's, Alchemy and Augury. Alchemy carries a TUI's™ Terminator Tape, while Augury does not.
3. DRAGRACER is a technical demonstration to determine whether the CubeSat with the TUI's™ Terminator Tape will de-orbit substantially quicker than the CubeSat which will de-orbit naturally.
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
27 August 2020	200120-PPT	DRAGRACER	Millennium Space Systems, Inc	United States