



PERMITTING DECISION SUMMARY

Mesospheric Airglow/Aerosol Tomography and Spectroscopy (MATS)

OHB Sweden

1. OHB Sweden is a subsidiary of the German company OHB SE, which specialises in satellite system design, development and operations.
2. MATS is a climate and atmospheric science mission funded by the Swedish National Space Agency. The satellite is designed to investigate atmospheric waves and noctilucent clouds in the region between 50km and 130km altitude, the Mesosphere and Lower Thermosphere. The results from the research, over a two-year period, will assist in predicting future climatic changes in these regions.
3. 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](#).
4. 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
10 October 2022	220215-PPT	MATS	OHB Sweden	Sweden