

This is to confirm to: Whom it may concern

The insurance afforded under the policies listed below are subject to the terms, conditions and exclusion of the applicable policy. This certificate is issued as a matter of information only and confers no rights on the holder and imposes no liability on the Insurer. This certificate does not amend, extend or alter the coverage afforded by the policies listed below.

The Insurer will endeavour to mail to the additional insured specifically named on this certificate days' written notice of any material change in or cancellation of these policies, but assumes no responsibility for failure to do so.

That policies of insurance as herein described have been issued to the Insured named below and are in force at this date.

The limits shown below may have been reduced by paid claims and are in Canadian dollars.

Name and address of Insured: THE ROYAL ASTRONOMICAL SOCIETY OF CANADA
 203-489 COLLEGE ST
 TORONTO, ON, M6G 1A5

Location to which this certificate applies: PO Box 89608, 9000 University High St.
 Burnaby, BC, V5A 0C1

Operations to which this certificate applies: Civic, community, special interest (non-medical) associations or groups

Type of Policy	Policy Number	Expiry Date DD/MM/YYYY	Amount of Insurance
Commercial General Liability Products and/or Completed Operations Incl. <input checked="" type="checkbox"/> Excl. <input type="checkbox"/> Non-Owned Automobile Incl. <input checked="" type="checkbox"/> Excl. <input type="checkbox"/> Other:	4001019915	31/05/2025	Each occurrence limit: \$5,000,000 Aggregate limit: \$5,000,000 Tenant's Legal Liability: \$1,000,000 Non-Owned Automobile - limit: \$5,000,000 The limits shown may have been reduced by paid claims. Other:
Directors' and Officers'	n/a	n/a	Limit: n/a Deductible: n/a The limits shown may have been reduced by paid claims.
Errors and Omissions	n/a	n/a	Limit: n/a Deductible: n/a The limits shown may have been reduced by paid claims.

NOTE: This is to certify that THE ROYAL ASTRONOMICAL SOCIETY OF CANADA and all it's centers afford above liability insurance limits till 31 May 2025.

Date: May 31, 2024

Authorized Representative of the Insurer: QUAN H NGUYEN & ASSOCIATES INC AO74055

A5400-3 RDIMS

16 November 2022

The Royal Astronomical Society of Canada
203-4920 Dundas Street West
Toronto, ON M9A 1B7
Att: Mr. Dennis Lyons
dennis.lyons.3@gmail.com
Phone: (204) 218-0956

Subject: **AUTHORISATION PURSUANT TO SECTION 601.21 OF THE
*CANADIAN AVIATION REGULATIONS***

Reference: Application to Use Portable Laser Outside Prohibited Areas, July 6, 2022. The Royal Astronomical Society of Canada is requesting authorization for members to project a directed bright light source into navigable airspace.

Dear Mr. Lyons,

Section 601.20 of the *Canadian Aviation Regulations* (CARs), provides that, subject to section 601.21, no person shall project or cause to be projected a directed bright light source into navigable airspace in such a manner as to create a hazard to aviation safety or cause damage to an aircraft or injury to persons on board the aircraft.

Section 601.21 of the CARs stipulates that any person planning to project or cause to be projected a directed bright light source into navigable airspace must before the projection:

- (a) Submit a written request to the Minister for an authorization to project the directed bright light source into navigable airspace; and,
- (b) Obtain a written authorization to do so.

On **6 July 2022** you requested an authorization to use portable laser outside of restricted areas. Pursuant to subsection 601.21(2), an authorization will be issued if the projection is not likely to create a hazard to aviation safety or to cause damage to an aircraft or injury to persons on board the aircraft.

Subsection 601.21(3) of the CARs gives the Minister the ability to specify in the authorization any conditions necessary to ensure that the projection is not likely to create a hazard to aviation safety or to cause damage to an aircraft or injury to persons on board the aircraft.

On behalf of the Minister, I hereby, authorize members of the Royal Astronomical Society of Canada, to project **hand-held lasers** into navigable airspace in Canada, excluding within a 10km radius of any certified aerodrome, subject to **the following conditions:**

1. Hand-held lasers will only be used outside of 10km radius from all certified aerodromes as described in the [interactive map](#). [Please note that for any activity occurring within a 10km radius of a certified aerodrome a separate authorization is required and must be submitted to Transport Canada for review and consideration. https://wwwapps.tc.gc.ca/Corp-Serv-Gen/5/forms-formulaires/telecharger/26-0754_BO_PX
2. Hand-held lasers will only be used for identifying stars, constellations, and celestial objects across the night sky, for the purpose of public education.
3. Hand-held lasers will not exceed Class 3R, or Class IIIa and will not exceed a **maximum output power of five milliwatts (5 mW)**.
4. Hand-held lasers will never be pointed in the direction of aircraft and will only be used in accordance with guidelines similar to those developed by the Royal Astronomical Society of Canada (RASC). The guidelines are published (Last modified Friday May, 3, 2019) on RASC website: <https://www.rasc.ca/green-laser-pointer-usage>. The organization must submit a copy of their guidelines to Transport Canada as part of the request for authorization.
5. A minimum of at least one trained and dedicated spotter must be used at each event where hand-held lasers will be used to watch for aircraft and warn the laser operators.
6. The Royal Astronomical Society of Canada shall be responsible for ensuring that all members using hand-held lasers have the training, skills and qualifications necessary to operate the lasers in accordance with the manufacturer's recommendations and the Royal Astronomical Society of Canada own safe-usage guidelines, as noted under condition 4; and that no hazard to aviation safety will be created by the operation.
7. All members that are operating a hand-held laser will carry proof of membership of the Royal Astronomical Society of Canada. They will also carry a copy of this authorization letter.
8. **The Royal Astronomical Society of Canada** shall provide Transport Canada with a list of every event that occurred under this authorization. The information shall be provided to Transport Canada no later than 30 days after the authorization validity period has ended.
9. The organization shall have a valid liability insurance for the validity period of this authorization.

Validity

This authorization is in effect from **1 December 2022** until the earliest of the following:

- a) **23h59 on 30 November 2025 – Three-year validity being the maximum; or**
- b) The date on which any condition set out in this authorization is breached.

Dated at Ottawa, Ontario, Canada this **16 November 2022** on behalf of the Minister of Transport.



Felix Meunier
Director General, Civil Aviation
Directeur général, Aviation civile
Transport Canada | Transports Canada
330 Sparks St, 5th floor | 330 rue Sparks, 5e étage (AARTA)
Ottawa, Canada K1A 0N5