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**Information furnished in conformity with the Convention
on Registration of Objects Launched into Outer Space****Note verbale dated 23 September 2024 from the Permanent
Mission of Canada to the United Nations (Vienna) addressed to
the Secretary-General**

The Permanent Mission of Canada to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution [3235 \(XXIX\)](#), annex), has the honour to submit technical information required under the Convention for the registration of Canadian space objects (see annexes I and II).¹

¹ The data on the space objects referenced in the annexes were entered into the Register of Objects Launched into Outer Space on 4 October 2024.



Annex I

Registration information on space objects launched by Canada*

<i>Committee on Space Research international designator</i>	<i>Name of the space object</i>	<i>National designator/ registration number</i>	<i>State of registry</i>	<i>Other launching States</i>	<i>Date of the launch (UTC)</i>	<i>Location of the launch</i>	<i>Basic orbital parameters</i>				<i>General function of the space object</i>	<i>Additional voluntary information</i>		
							<i>Nodal period (minutes)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>		<i>Space object owner or operator</i>	<i>Launch vehicle</i>	<i>Other information</i>
2023-100G	LEO 3	57392	Canada	New Zealand	18 July 2023 0127 hours, 0 seconds	Mahia, New Zealand	105.1	99.4	1020	994	Communications technology demonstrator	TELESAT	Rocket Labs Electron	-
2023-174AB	ÆTHER-1	58281	Canada	United States of America	11 November 2023 1849 hours, 0 seconds	Vandenberg Space Force Base, United States	95	97.5	521	509	Data transfer and technology	Kepler Communications Inc.	Falcon 9 - Transporter 9 mission	-
2023-174AV	ÆTHER-2	58299	Canada	United States	11 November 2023 1849 hours, 0 seconds	Vandenberg Space Force Base, United States	95	97.5	520	506	Data transfer and technology	Kepler Communications Inc.	Falcon 9 - Transporter 9 mission	-
2023-174	HERON Mk. II	TBC	Canada	United States	11 November 2023 1849 hours, 0 seconds	Vandenberg Space Force Base, United States	95	97.481	522.142	519.998	Amateur radio satellite	University of Toronto Aerospace Team	Falcon 9 - Transporter 9 mission	Space object has not been positively identified and is assumed to be non-operational. As such, a designator has not yet been assigned.

* The information was submitted using the form prepared pursuant to General Assembly resolution [62/101](#) and has been reformatted by the Secretariat.

Annex II

Additional information on a space object previously registered by Canada*

Committee on Space Research international designator	Name of the space object	National designator/ registration number	Registration document	Date of decay/re-entry/ deorbit (UTC)	Additional voluntary information	
					Date when space object was no longer functional (UTC)	Space object owner or operator Other information
2018-096L	Kepler-1 (CASE)	43729	ST/SG/SER.E/1060	23 February 2023 0427 hours, 22 seconds	23 February 2023 0427 hours, 22 seconds	Kepler Communications Inc. -

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