



Secretariat

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Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 31 March 2022 from the Permanent Mission of the United Arab Emirates to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United Arab Emirates 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 transmit registration information on space object Light-1 (see annex).¹

¹ The data on the space object referenced in the annex were entered into the Register of Objects Launched into Outer Space on 11 April 2022.



Annex

Registration data on a space object launched by the United Arab Emirates^{*}

Light-1

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	1998-067TG
Name of space object	Light-1
State of registry	United Arab Emirates
Date and territory or location of launch	21 December 2021 at 1006 hours UTC; Kennedy Space Center, Florida, United States of America
Basic orbital parameters	
Nodal period	92.7 minutes
Inclination	51.64 degrees
Apogee	422 kilometres
Perigee	413 kilometres
General function of space object	Science and technology demonstration Light-1 is a 3U CubeSat with a scientific mission to detect terrestrial gamma-ray flashes that are associated with thunderstorm activities. It carries two different light-sensing technologies and two different scintillation crystals for testing in space

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Khalifa University of Science and Technology
Launch vehicle	SpaceX (number: SpX-24)

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