



Secretariat

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**Committee on the Peaceful
Uses of Outer Space**

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

**Note verbale dated 10 September 2021 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 the space object MeznSat (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 12 September 2021.



Annex

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

MeznSat

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

Committee on Space Research international designator	2020-068D
North American Aerospace Defense Command Catalogue Number (NORAD ID)	46489
Name of space object	MeznSat
State of registry	United Arab Emirates
Other launching States	Russian Federation
Date and territory or location of launch	28 September 2020 at 1120 hours 32 seconds UTC; Plesetsk Cosmodrome, Russian Federation
Basic orbital parameters	
Nodal period	95.8 minutes
Inclination	97.7 degrees
Apogee	575.9 kilometres
Perigee	550.3 kilometres
General function of space object	Earth observation and education. It is a 3U CubeSat for monitoring greenhouse gases using short-wave infrared spectrometry

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

Change of status in operations	
Date when space object is no longer functional	24 January 2021 at 1307 hours 55 seconds UTC
Physical conditions when space object is moved to a disposal orbit	Possible failure of the communications subsystem. The failure is under investigation.
Space object owner or operator	Khalifa University of Science and Technology
Launch vehicle	Soyuz-2.1b/Fregat
Other information	MeznSat is a 3U CubeSat developed, built and tested primarily by university students to detect greenhouse gas concentrations. The project aims to provide the United Arab Emirates space industry with trained graduates through hands-on experience

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