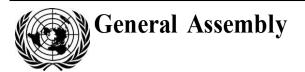
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Committee on the Peaceful Uses of Outer Space

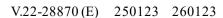
Information furnished in conformity with General Assembly resolution 1721 B (XVI) by States launching objects into orbit or beyond

Note verbale dated 14 December 2022 from the Permanent Mission of the Republic of Moldova to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Republic of Moldova to the United Nations (Vienna) has the honour to transmit, in conformity with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information concerning the registration of the TUMnanoSAT satellite, which was launched on 12 August 2022 (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 19 December 2022.







Annex

Registration data on a space object launched by the Republic of Moldova*

TUMnanoSAT

Committee on Space Research

international designator

1998-067UD

TUMnanoSAT

Name of the space object

National designator/registration

number

State Register of Radio Frequencies and

Radiocommunication Stations/1

State of registry Republic of Moldova

Other launching States

Date and territory or location

of the launch

12 August 2022 at 0945 hours 15 seconds UTC; Cape Canaveral/Eastern Test Range, United States of

America

Japan

Basic orbital parameters

Nodal period 92.68 minutes
Inclination 51.64 degrees
Apogee 410 kilometres
Perigee 408 kilometres

General function of the

space object

The TUMnanoSAT nanosatellite has the following missions:

1. Educational:

- (a) Testing of the sensors (magnetometers, micro-gyroscopes and solar sensors) of the subsystem to determine the satellite's attitude, in order to optimize the attitude control algorithms;
- (b) Development of an efficient "satellite-Earth station" communication subsystem;
- (c) Testing of the solar power supply system in order to obtain the optimal means of distributing the accumulated energy.

2. Research:

- (a) Study of the functionality and behaviour of nanosensors in the conditions of space;
- (b) Testing of the reliability of electronic components under space radiation conditions.

Space object owner or operator

Technical University of Moldova

Website

https://cnts.utm.md/

Launch vehicle

Space X Falcon 9 and Dragon 2 Cargo; International Space Station (ISS) Kibo Module, J-SSOD#22 L1

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