



**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 15 November 2017 from the Permanent  
Mission of Mongolia to the United Nations (Vienna) addressed to  
the Secretary-General**

The Permanent Mission of Mongolia 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 information concerning the Mazaalai (NUMSat-1) satellite, which was launched on 3 June 2017 (see annex).



## Annex

### Registration data on a space object launched by Mongolia\*

#### Mazaalai (NUMSat-1)

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

Committee on Space Research international designator	1998-67MW
Name of space object	Mazaalai (NUMSat-1)
State of registry	Mongolia
Other launching States	Japan, United States of America
Date and territory or location of launch	3 June 2017 at 2107 hours 38 seconds UTC; Kennedy LC-39A, John F. Kennedy Space Centre, on Merritt Island, Florida, United States of America
Basic orbital parameters	
Nodal period	92.57 minutes
Inclination	51.6402 degrees
Apogee	403.7 kilometres
Perigee	397.8 kilometres
General function of space object	The Mazaalai satellite is part of the Birds-1 satellite constellation. The Birds-1 project is intended to help universities in non-spacefaring countries get satellites into space. The satellite performs experiments, including self-location by means of the Global Positioning System, air density measurements and investigations of cosmic radiation. The satellite also broadcasts the national anthem of Mongolia into space and captures images of Earth using two on-board cameras with different resolutions.
Date of decay/re-entry/deorbit	2018

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

Space object owner or operator	National University of Mongolia
Launch vehicle	Falcon 9 Full Thrust, CRS-11
Other information	The Mazaalai satellite is the very first satellite made by Mongolians.

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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.