



Secretariat

Distr.: General
16 January 2019

Original: English

**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 8 January 2019 from the Permanent Mission
of Poland to the United Nations (Vienna) addressed to the
Secretary-General**

The Permanent Mission of Poland 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 Polish satellite PW-Sat2 (see annex).



Annex

Registration data on a space object launched by Poland*

PW-Sat2

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

Name of space object	PW-Sat2
National designator/registration number	4
State of registry	Poland
Other launching States	Netherlands, United States of America
Date and territory or location of launch	3 December 2018 at 1834 hours 5.178 seconds UTC Vandenberg Air Force Base/Western Test Range, California, United States
Basic orbital parameters	
Nodal period	96.2567 minutes
Inclination	97.773 degrees
Apogee	582.079 kilometres
Perigee	559.969 kilometres
General function of space object	PW-Sat2 is the second Polish student satellite (and the fourth Polish satellite in general). The project was started in 2013 by members of the Students' Space Association at the Warsaw University of Technology. The main technical goal of the project is to test new deorbit technology in the form of a large deorbit sail, whereas the project's purpose is to educate a group of new space engineers. The satellite's transmitter frequency is 435.275 MHz and its receiver frequency is 145.900 MHz. The ground station for receiving telemetry and transmitting telecommands is located in Warsaw.

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

Change of status in operations	
Date when space object is moved to a disposal orbit	See below
Physical conditions when space object is moved to a disposal orbit	Within a maximum of 40 days after launch, PW-Sat2 will deploy its deorbit sail (2 m x 2 m). According to analyses using the Semi-analytic Tool for End of Life Analysis (STELA) developed by the National Centre for

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

	Space Studies (CNES) of France, re-entry will occur no more than 1.22 years after sail deployment (with a probability of 0.9). No components of the satellite will survive re-entry. More information on the deorbit analyses can be found at http://pw-sat.pl/wp-content/uploads/ 2014/07/PW-Sat2-C-00.01-MA- CDR.pdf
Space object owner or operator	Warsaw University of Technology
Website	pw-sat.pl/en
Launch vehicle	Falcon 9 Block 5
