



**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 6 March 2012 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) presents its compliments to the Secretary-General of the United Nations and, 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 first Polish satellite, PW-Sat (see annex).



Annex

Registration data on a space object launched by Poland*

PW-Sat

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

Name of space object:	PW-Sat
National designator/registration number:	1
State of registry:	Poland
Other launching States:	France, European Space Agency
Date and territory or location of launch	
Date of launch:	13 February 2012 10 hrs 0 min 0 sec UTC
Territory or location of launch:	Guiana Space Centre, Kourou, French Guiana
Basic orbital parameters	
Nodal period:	102.48 minutes
Inclination:	69.5 degrees
Apogee:	1,449 kilometres
Perigee:	295 kilometres
General function of space object:	PW-Sat is the first satellite launched by Poland. It was built using the CubeSat standard by students of the Warsaw University of Technology. The general function of PW-Sat is to test a drag augmentation device for deorbiting low Earth orbit space objects after their operational phase. The second function is to educate students in the areas of space engineering and mission operations of space objects. The uplink frequency is 435.020 MHz and the downlink frequency is 145.900 MHz. Ground stations for receiving telemetry and transmitting telecommands are located in Warsaw and Gdynia, Poland.

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

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

Space object owner or operator: Warsaw University of Technology

Launch vehicle: Vega

Other information: PW-Sat is one of six CubeSats built by students of European universities that were the secondary payloads of the Vega launch vehicle's first flight in February 2012. The primary payloads were the Laser Relativity Satellite (LARES), a passive satellite for measurement of Earth's gravitational field, and the Alma Mater Satellite (ALMASat). The launch opportunity for the European CubeSats was managed by the Education Office of the European Space Agency
