



**Secretariat**

Distr.: General  
23 August 2013

Original: English

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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 23 July 2013 from the Permanent Mission of  
Germany to the United Nations (Vienna) addressed to the  
Secretary-General**

The Permanent Mission of Germany 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 space objects BEESAT-2, BEESAT-3 and SOMP (see annex).

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Please recycle The recycling symbol, consisting of three chasing arrows forming a triangle.

## Annex

### Registration data on space objects launched by Germany\*

#### BEESAT-2

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

Committee on Space Research international designator:	2013-015G
Name of the space object:	Berlin Experimental and Educational Satellite 2 (BEESAT-2)
National designator/registration number:	D-R048
State of registry:	Germany
Other launching States:	Kazakhstan, Russian Federation
Date and territory or location of the launch	
Date of the launch:	19 April 2013 at 1000 hours 00 seconds UTC
Territory or location of the launch:	Baikonur Cosmodrome, Kazakhstan
Basic orbital parameters	
Nodal period:	96 minutes
Inclination:	64.9 degrees
Apogee:	587 kilometres
Perigee:	559 kilometres
General function of the space object:	<ol style="list-style-type: none"> <li>1. Technology demonstration of attitude control aboard pico-satellites</li> <li>2. Space engineering education</li> <li>3. Amateur radio</li> </ol>
Date of decay/re-entry/de-orbit:	3 June 2022 UTC (prospective)

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

Space object owner or operator:	Technical University Berlin
Launch vehicle:	Soyuz 2.1a

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

**BEESAT-3****Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Name of the space object:	Berlin Experimental and Educational Satellite 3 (BEESAT-3)
National designator/registration number:	D-R046
State of registry:	Germany
Other launching States:	Kazakhstan, Russian Federation
Date and territory or location of the launch	
Date of the launch:	19 April 2013 at 1000 hours 00 seconds UTC
Territory or location of the launch:	Baikonur Cosmodrome, Kazakhstan
Basic orbital parameters	
Nodal period:	96 minutes
Inclination:	64.8791 degrees
Apogee:	580 kilometres
Perigee:	554 kilometres
General function of the space object:	The primary objective of the BEESAT-3 mission is the enrichment of space engineering education at Technical University Berlin with hands-on spacecraft design experience. The secondary mission objective is the on-orbit verification of an S-Band Transmitter for pico- and nano-satellites

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

Website:	<a href="http://www.raumfahrttechnik.tu-berlin.de/menue/forschung/aktuelle_projekte/beesat-3/">http://www.raumfahrttechnik.tu-berlin.de/menue/forschung/aktuelle_projekte/beesat-3/</a>
Space object owner or operator:	Technical University Berlin
Launch vehicle:	Soyuz 2.1a

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

Name of the space object: Students Oxygen Measurement Project (SOMP)

National designator/registration number: D-R047

State of registry: Germany

Other launching States: Kazakhstan, Russian Federation

Date and territory or location of the launch

    Date of the launch: 19 April 2013 at 1000 hours 00 seconds UTC

    Territory or location of the launch: Baikonur Cosmodrome, Kazakhstan

Basic orbital parameters

    Nodal period: 96 minutes

    Inclination: 64.8 degrees

    Apogee: 575.93 kilometres

    Perigee: 542.21 kilometres

General function of the space object: Pico-satellite for education of engineering students and amateur radio satellite

Date of decay/re-entry/de-orbit: 27 April 2032 UTC (prospective)

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

Space object owner or operator: Space Systems, Institute for Aerospace Engineering, Technical University Dresden

Launch vehicle: Soyuz 2.1a

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