



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 22 July 2019 from the Permanent Mission of
South Africa to the United Nations (Vienna) addressed to the
Secretary-General**

The Permanent Mission of South Africa 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 regarding the space object ZACube-2 (see annex).



Annex

Registration data on a space object launched by South Africa*

ZACube-2

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

Committee on Space Research international designator	2018-111AH
Name of space object	ZACube-2
National designator/registration number	ZA-004
State of registry	South Africa
Date and territory or location of launch	27 December 2018 at 0207 hours 18 seconds UTC; Vostochny Cosmodrome, Amur Region, Russian Federation
Basic orbital parameters	
Nodal period	94.29 minutes
Inclination	97.30 degrees
Apogee	509.62 kilometres
Perigee	477.87 kilometres
General function of space object	ZaCube-2 is a technology demonstration mission equipped with an Automatic Identification System (AIS) receiver as its main payload, through which navigational data is received. ZACube-2 also carries a near-infrared imager for forest fire detection.
Date of decay/re-entry/deorbit	2030 (estimated)

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

Website	http://www.cput.ac.za/blogs/fsati/zacube-2/
Space object owner or operator	Cape Peninsula University of Technology
Launch vehicle	Soyuz-2 launch vehicle

* The registration data are reproduced in the form in which they were received.