



**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 4 April 2017 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 space object ZACube 1/TshepisoSat (see annex).



## Annex

### Registration data on a space object launched by South Africa<sup>\*</sup>

#### ZACube-1/TshepisoSat

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

Committee on Space Research international designator	2013-066B
Name of space object	ZACube 1/TshepisoSat
National designator/registration number	ZA-003
State of registry	South Africa
Date and territory or location of launch	21 November 2013 at 0710 hours 10 seconds UTC Yasny Launch Base, Russian Federation
Basic orbital parameters	
Nodal period	97.38 minutes
Inclination	97.76 degrees
Apogee	684.7 kilometres
Perigee	596.4 kilometres
General function of space object	Human capacity development (student training) Ionospheric propagation studies Technology demonstration
Date of decay/re-entry/deorbit	Estimated 2020

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

Website	<a href="http://www.cput.ac.za/blogs/fsati/zacube-1">www.cput.ac.za/blogs/fsati/zacube-1</a>
Space object owner or operator	Cape Peninsula University of Technology
Launch vehicle	RS-20B (Dnepr launch vehicle)

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