



General Assembly

Distr.: General
10 July 2019

Original: English

Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with General Assembly resolution 1721 B (XVI) by States launching objects into orbit or beyond

Note verbale dated 21 June 2019 from the Permanent Mission of Bhutan to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Bhutan to the United Nations (Vienna) has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information on the Bhutan-1 CubeSat, the country's first satellite, which was launched to the International Space Station on 29 June 2018 and released into space on 10 August 2018 (see annex).



Annex

Registration data on a space object launched by Bhutan*

Bhutan-1

Committee on Space Research international designator	1998-067PF
Name of space object	Bhutan-1
National designator/registration number	BTN1
State of registry	Bhutan
Deployment	10 August 2018 UTC; International Space Station
Basic orbital parameters	
Nodal period	92.3 minutes
Inclination	51.6 degrees
Apogee radius	397 kilometres
Perigee radius	388 kilometres
General function of space object	<ol style="list-style-type: none"> 1. To capture images of the Earth 2. To deliver Automatic Packet Reporting System (APRS) digital repeater services to amateur radio users 3. To collect data from remote ground sensors developed by students 4. To demonstrate the performance of a newly-designed global positioning system (GPS) chip in a 1U CubeSat 5. To demonstrate the effects of a single-event latch-up on the satellite 6. To measure the magnetic field in space for comparison with ground data
Space object owner or operator	Department of Information Technology and Telecom, Ministry of Information and Communications, Bhutan
Launch vehicle	Falcon 9 Full Thrust
Other information	Bhutan-1 was developed as part of the BIRDS-2 CubeSat constellation project hosted at the Kyushu Institute of Technology in Japan

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