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Committee on the Peaceful Uses of Outer Space

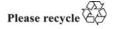
Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 26 November 2015 from the Permanent Mission of the United Kingdom of Great Britain and Northern Ireland to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United Kingdom of Great Britain and Northern Ireland 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 on space object DeorbitSail (see annex).

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Annex

Registration data on a space object launched by the United Kingdom of Great Britain and Northern Ireland*

DeorbitSail

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

Committee on Space Research

international designator

2015-032E

Name of space object DeorbitSail

State of registry United Kingdom of Great Britain and

Northern Ireland

Other launching States India

National designator/registration number

used by the State of registry

40719

Date and territory or location of launch 10 July 2015 at 1628 hours UTC

Satish Dhawan Space Centre, Sriharikota,

India

Basic orbital parameters

Nodal period 97.63 minutes
Inclination 98.039 degrees
Apogee 657 kilometres
Perigee 635 kilometres

General function of space object The DeorbitSail project is a collaboration to

build a 3U CubeSat-sized satellite with a deployable sail that will demonstrate rapid deorbiting. The deorbiting capability of the DeorbitSail satellite is due to increased aerodynamic drag from the large surface area of the deployed sail in a low-Earth orbit. Under our proposed concept, the satellite will return to the Earth and burn up in the atmosphere over time as its altitude reduces. The project is funded by the Seventh Framework Programme for

Research and Technological Development of the European Commission, known as FP7

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

${\bf Additional\ voluntary\ information\ for\ use\ in\ the\ Register\ of\ Objects\ Launched\ into\ Outer\ Space}$

Website: www.surrey.ac.uk/ssc/research/space_vehicle_control

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