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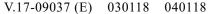
# Committee on the Peaceful Uses of Outer Space

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

Note verbale dated 19 December 2017 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 objects EchoStar XXI and ViaSat-2 (see annex).







#### Annex

# Registration data on space objects launched by the United Kingdom of Great Britain and Northern Ireland\*

#### **EchoStar XXI**

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

Committee on Space Research

international designator

2017-032A

Name of space object EchoStar XXI

State of registry United Kingdom of Great Britain and

Northern Ireland

Date and territory or location of launch 8 June 2017 at 0445 hours 0 seconds UTC;

Baikonur Cosmodrome, Kazakhstan

Basic orbital parameters

Nodal period 1,436 minutes
Inclination 7.5 degrees

Apogee 35,802 kilometres
Perigee 35,787 kilometres

General function of space object Communications satellite with a designed

life of 15 years that will begin its service life in an orbital slot at a longitude of 10.25 degrees East. It will provide digital voice and data traffic coverage over Europe. EchoStar XXI is part of the ancillary terrestrial network being provided by EchoStar's mobile satellite service.

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

Geostationary position  $10.25 \pm 0.05$  degrees East

Space object owner or operator EchoStar Communications Corporation

Website www.echostar.com

Launch vehicle International Launch Services Proton-M

Other information Supervision of EchoStar XXI will transfer

from the satellite manufacturer, Space Systems Loral (SSL), to EchoStar Satellite Services LLC following launch and in-orbit testing. There will be no change in orbital location. The function of the vehicle once under EchoStar control is to provide commercial services as a Ka- and S-band

communications satellite.

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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.

#### ViaSat-2

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

Committee on Space Research

2017-029A

international designator

Name of space object ViaSat-2

State of registry United Kingdom of Great Britain and

Northern Ireland

Date and territory or location of launch 1 June 2017 at 2345 hours 0 seconds UTC;

Kourou, French Guiana

Basic orbital parameters

Nodal period 1,440 minutes

Inclination 0 degrees

Apogee 35,786 kilometres
Perigee 35,786 kilometres

General function of space object Telecommunications satellite

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

Geostationary position 69.9 degrees West

Space object owner or operator ViaSat Technologies, Ltd.

Website www.viasat.com

Launch vehicle Ariane 5

Other information Lifetime estimated at 15 years.

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