



**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 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 ± 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.

\* 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 international designator	2017-029A
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	<a href="http://www.viasat.com">www.viasat.com</a>
Launch vehicle	Ariane 5
Other information	Lifetime estimated at 15 years.