



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 23 August 2019 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 O3b M017, O3b M018, O3b M019 and O3b M020 (see annex).



Annex

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

O3b M017

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

Committee on Space Research international designator	2019-020C
Name of space object	O3b FM17 (known as O3b M017)
North American Aerospace Defense Command Catalogue Number (NORAD ID)	44114
State of registry	United Kingdom of Great Britain and Northern Ireland
Date and territory or location of launch	4 April 2019 at 1703 hours 37 seconds UTC; Kourou, French Guiana
Basic orbital parameters	
Nodal period	288 minutes
Inclination	0.05 degrees
Apogee	8,074 kilometres
Perigee	8,064 kilometres
General function of space object	Communications

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

Space object owner or operator	O3b Networks Limited
Website	www.ses.com
Launch vehicle	Soyuz

O3b M018

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

Committee on Space Research international designator	2019-020D
Name of space object	O3b FM18 (known as O3b M018)
North American Aerospace Defense Command Catalogue Number (NORAD ID)	44115
State of registry	United Kingdom
Date and territory or location of launch	4 April 2019 at 1703 hours 37 seconds UTC; Kourou, French Guiana

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

Basic orbital parameters	
Nodal period	288 minutes
Inclination	0.05 degrees
Apogee	8,074 kilometres
Perigee	8,064 kilometres
General function of space object	Communications

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

Space object owner or operator	O3b Networks Limited
Website	www.ses.com
Launch vehicle	Soyuz

O3b M019

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

Committee on Space Research international designator	2019-020B
Name of space object	O3b FM19 (known as O3b M019)
North American Aerospace Defense Command Catalogue Number (NORAD ID)	44113
State of registry	United Kingdom
Date and territory or location of launch	4 April 2019 at 1703 hours 37 seconds UTC; Kourou, French Guiana
Basic orbital parameters	
Nodal period	288 minutes
Inclination	0.05 degrees
Apogee	8,074 kilometres
Perigee	8,064 kilometres
General function of space object	Communications

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

Space object owner or operator	O3b Networks Limited
Website	www.ses.com
Launch vehicle	Soyuz

O3b M020**Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space**

Committee on Space Research international designator	2019-020A
Name of space object	O3b FM20 (known as O3b M020)
North American Aerospace Defense Command Catalogue Number (NORAD ID)	44112
State of registry	United Kingdom
Date and territory or location of launch	4 April 2019 at 1703 hours 37 seconds UTC; Kourou, French Guiana
Basic orbital parameters	
Nodal period	288 minutes
Inclination	0.05 degrees
Apogee	8,074 kilometres
Perigee	8,064 kilometres
General function of space object	Communications

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

Space object owner or operator	O3b Networks Limited
Website	www.ses.com
Launch vehicle	Soyuz
