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**Committee on the Peaceful Uses of Outer Space** 

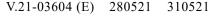
### Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 1 April 2021 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 registration information concerning the space objects 3B5GSAT and LacunaSat-2B (see annex I) and the change of location of HYLAS-1 (see annex II).<sup>1</sup>

<sup>&</sup>lt;sup>1</sup> The data on space objects referenced in the annexes were entered into the Register of Objects Launched into Outer Space on 16 April 2021.







### Annex I

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

#### **3B5GSAT**

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

Committee on Space Research international designator	2021-022AF
Name of the space object	3B5GSAT
State of registry	United Kingdom of Great Britain and Northern Ireland
North American Aerospace Defense Command Catalogue Number (NORAD ID)	47961
Date and territory or location of launch	22 March 2021 at 0607 hours UTC; Baikonur, Kazakhstan
Basic orbital parameters	
Nodal period	95.64 minutes
Inclination	97.57 degrees
Apogee	564 kilometres
Perigee	535 kilometres
General function of the space object	The 3B5GSAT mission is an Internet-of-things demonstration mission. The payload is intended to provide low-data-rate and short message services for different civil applications. It can operate in data-relay and store-and-forward modes. The primary operational function of the platform is to test in low non-geostationary orbit a point-to-multipoint protocol for Internet-of-things applications in rural areas

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

Space object owner or operator	Open Cosmos
Launch vehicle	Soyuz-2.1a

#### LacunaSat-2B

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

Committee on Space Research	2021-022S
international designator	
Name of the space object	LacunaSat-2B

<sup>\*</sup> The information was submitted using the form prepared pursuant to General Assembly

resolution 62/101 and has been reformatted by the Secretariat.

State of registry	United Kingdom
North American Aerospace Defense Command Catalogue Number (NORAD ID)	47948
Date and territory or location of launch	22 March 2021 at 0607 hours UTC; Baikonur, Kazakhstan
Basic orbital parameters	
Nodal period	95.62 minutes
Inclination	97.57 degrees
Apogee	562 kilometres
Perigee	535 kilometres
General function of the space object	Internet-of-things payload that will analyse the spectrum utilization of unregulated spectrum in the industrial, scientific and medical portions of the radio spectrum (ISM band)

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

Space object owner or operator	Open Cosmos
Launch vehicle	Soyuz-2.1a

### Annex II

# Additional information on a space object registered by the United Kingdom of Great Britain and Northern Ireland<sup>\*</sup>

#### HYLAS-1

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

Committee on Space Research international designator	2010-065A
Name of the space object	HYLAS-1
State of registry	United Kingdom of Great Britain and Northern Ireland
Registration documents	ST/SG/SER.E/618 ST/SG/SER.E/618/Add.1 ST/SG/SER.E/618/Add.2 ST/SG/SER.E/618/Add.3 ST/SG/SER.E/618/Add.4 ST/SG/SER.E/917
Date and territory or location of launch	26 November 2010 at 1839 hours UTC; Guiana Space Centre, Kourou, French Guiana
Basic orbital parameters	
Nodal period	1,440 minutes
Inclination	0.04 degrees
Apogee	35,794 kilometres
Perigee	35,779 kilometres
General function of the space object	Communications satellite
Additional voluntary information for use in the Register of Objects Launched into Outer Space	

Geostationary position	117.5 degrees East
Change of orbital position	
Previous orbital position	156 degrees East
New orbital position	117.5 degrees East
Space object owner or operator	Avanti Communications Group PLC
Launch vehicle	Ariane 5

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