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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).¹

¹ 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*

3B5GSAT

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

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|--|--|
| 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

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

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

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|--|---|
| 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*

HYLAS-1

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

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|--|--|
| 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

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|--------------------------------|---------------------------------|
| 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 |

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