

**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 20 September 2021 from the Permanent  
Mission of the Russian Federation to the United Nations (Vienna)  
addressed to the Secretary-General**

The Permanent Mission of the Russian Federation 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 data on space launches by the Russian Federation in July and August 2021 and on previously launched space objects that ceased to exist during that period (see annexes I and II).<sup>1</sup>

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<sup>1</sup> The data on the space objects referenced in the annexes were entered into the Register of Objects Launched into Outer Space on 6 October 2021.



## Annex I

### Registration data on space objects launched by the Russian Federation in July 2021\*

1. In July 2021, the following space object under the jurisdiction and control of the Russian Federation was launched:

Registration number of space object	Name of space object, launch vehicle and place of launch	Date of launch	Basic orbital parameters				General function of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
3571-2021-008	Multipurpose laboratory module Nauka, launched by a Proton-M carrier rocket from the Baikonur launch site	21 July 2021	362.8	193.9	51.6	89.8	Implementation of the Russian programme of applied scientific research and experiments aboard the Russian segment of the International Space Station

2. In July 2021, the Russian Federation launched the following space objects on behalf of a foreign client:

On 1 July 2021, 36 OneWeb satellites (mission 48) (United Kingdom of Great Britain and Northern Ireland) were launched by a Soyuz-2-1b carrier rocket with a Fregat upper stage from the Vostochny launch site.

3. The following space objects ceased to exist in July 2021 and were no longer in Earth orbit as at 2400 hours Moscow time on 31 July 2021:

2006-061A (Meridian), which burned up on 6 July 2021;

2021-011A (Progress MS-16), which was deorbited into the Pacific Ocean at a predetermined location on 26 July 2021 together with the Pirs docking compartment of the Russian segment of the International Space Station (launched on 15 September 2001 by space object 2001-041A (Progress M-SO1)); fragments of the space object that had not burned up were sunk.

\* The registration data are reproduced in the form in which they were received.

## Annex II

### Registration data on space objects launched by the Russian Federation in August 2021\*

1. In August 2021, the Russian Federation did not launch any space objects included, in accordance with established practice and its international obligations, in the register of space objects launched by the Russian Federation and over which it exercises jurisdiction and control.
2. In August 2021, the Russian Federation launched the following space objects on behalf of a foreign client:  
On 22 August 2021, 34 OneWeb satellites (mission 35) (United Kingdom of Great Britain and Northern Ireland) were launched by a Soyuz-2-1b carrier rocket with a Fregat upper stage from the Baikonur launch site.
3. As at 2400 hours Moscow time on 31 August 2021, no space objects belonging to the Russian Federation had been found to have ceased to exist in Earth orbit in August 2021.

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