



**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 25 October 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 September 2020 and April 2021 and on previously launched space objects that ceased to exist during those periods (see annexes I and II).¹

¹ The data on the space objects referenced in the annexes were entered into the Register of Objects Launched into Outer Space on 8 November 2021.



Annex I

Registration data on space objects launched by the Russian Federation in September 2020*

1. In September 2020, the following space objects under the jurisdiction and control of the Russian Federation were 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)	
3547-2020-008	Gonets-M No. 27 ^a	28 September 2020	1 501.1	1 482.5	82.5	115.7	Telecommunications
3548-2020-008	Gonets-M No. 28 ^a	28 September 2020	1 501.1	1 482.5	82.5	115.7	Telecommunications
3549-2020-008	Gonets-M No. 29 ^a	28 September 2020	1 501.1	1 482.5	82.5	115.7	Telecommunications
3550-2020-008	Descartes ^a	28 September 2020	573.6	571.3	97.1	95.9	Scientific and educational applications
3551-2020-008	Norbi ^a	28 September 2020	573.6	571.3	97.1	95.9	Scientific and educational applications
3552-2020-008	Yarilo No. 1 ^a	28 September 2020	573.6	571.3	97.1	95.9	Scientific and educational applications
3553-2020-008	Yarilo No. 2 ^a	28 September 2020	573.6	571.3	97.1	95.9	Scientific and educational applications

^a Launched by a Soyuz-2-1b carrier rocket with a Fregat upper stage from the Plesetsk launch site.

2. In September 2020, the Russian Federation launched the following space objects on behalf of foreign clients:

On 28 September 2020, the following objects were launched by a Soyuz-2-1b carrier rocket with a Fregat upper stage from the Plesetsk launch site: Earth remote sensing satellites ICEYE X-6 and ICEYE X-7 (Finland); four LEMUR satellites for the collection of data generated by a system for the automatic identification of marine vessels (United States of America); two Kepler-2 satellites for technological applications (Canada); the LacunaSat-3 satellite for scientific applications (Lithuania); the MeznSat satellite for scientific applications (United Arab Emirates); four NetSat satellites for technological applications (Germany); and the SALSAT satellite for scientific applications (Germany).

3. The following space objects ceased to exist in September 2020 and were no longer in Earth orbit as at 2400 hours Moscow time on 30 September 2020:

1998-067PJ (Tanyusha-YuZGU No. 3), which burned up on 5 September 2020;

2005-032A (MONITOR-E), which burned up on 22 September 2020.

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

Annex II

Registration data on a space object launched by the Russian Federation in April 2021*

1. In April 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)	
3568-2021-005	Soyuz MS-18, launched by a Soyuz-2-1a carrier rocket from the Baikonur launch site	9 April 2021	242.8	199.8	51.7	88.6	Delivery to the International Space Station of the crew of Expedition 65, consisting of Oleg Viktorovich Novitsky (Russian Federation), commander of the piloted transport vehicle, and flight engineers Pyotr Valeryevich Dubrov (Russian Federation) and Mark Vande Hei (United States of America)

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

On 26 April 2021, 36 OneWeb satellites (mission 45) (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 April 2021 and were no longer in Earth orbit as at 2400 hours Moscow time on 30 April 2021:

2018-028A (Cosmos-2525), which burned up on 1 April 2021;

2020-072A (Soyuz MS-17): descent module landed at a predetermined location with members of an International Space Station expedition on 17 April 2021;

2009-029A (Meridian), which burned up on 23 April 2021;

2020-026A (Progress MS-14), which was deorbited into the Pacific Ocean at a predetermined location on 29 April 2021; 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.