



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 27 January 2020 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 December 2019 and on the space objects that ceased to exist during that period (see annex).



Annex

Registration data on space objects launched by the Russian Federation for December 2019*

1. In December 2019, 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)	
3532-2019-017	Progress MS-13, launched by a Soyuz-2-1a carrier rocket from the Baikonur launch site	6 December 2019	240.9	192.8	51.7	88.6	Delivery to the International Space Station of fuel, water, oxygen, air, food, scientific equipment and other consumable materials required for the crew, scientific experiments and operation of the Station
3533-2019-018	Cosmos-2543 ^a	6 December 2019	860.0	589.0	97.9	99.3	Intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3534-2019-019	Cosmos-2544, launched by a Soyuz-2-1b carrier rocket with a Fregat upper-stage from the Plesetsk launch site	11 December 2019	19 172.2	19 157.2	64.8	675.9	Work as part of the Global Navigation Satellite System (GLONASS)
3535-2019-020	Electro-L 3, launched by a Proton-M carrier rocket with a DM upper-stage from the Baikonur launch site	24 December 2019	35 576.6	35 360.7	0.6	1 420.4	Hydrometeorological applications
3536-2019-021	Gonets-M No. 24 ^b	27 December 2019	1 508.8	1 502.0	82.5	115.9	Work as part of a low-orbit satellite communications system
3537-2019-021	Gonets-M No. 25 ^b	27 December 2019	1 508.8	1 502.0	82.5	115.9	Work as part of a low-orbit satellite communications system
3538-2019-021	Gonets-M No. 26 ^b	27 December 2019	1 508.8	1 502.0	82.5	115.9	Work as part of a low-orbit satellite communications system

^a Placed in orbit as a result of separation from the previously launched space object Cosmos-2542 (which was launched on 25 November 2019).

^b Launched by a Rokot launch vehicle with a Breeze-KM upper-stage from the Plesetsk launch site.

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

2. In December 2019, the Russian Federation did not launch any space objects on behalf of foreign clients.
3. As at 2400 hours Moscow time on 31 December 2019, no space objects belonging to the Russian Federation had been found to have ceased to exist in Earth orbit in December 2019.