



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 19 December 2018 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 registration data on space launches by the Russian Federation in November 2018 and also on the space objects that ceased to exist during that period (see annex).



Annex

Registration data on space launches by the Russian Federation in November 2018*

1. In November 2018, the following space objects under the jurisdiction and control of the Russian Federation were launched:

Registration number of space object	Name of space object, launcher and place of launch	Date of launch	Basic orbital characteristics				General function of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
3501-2018-011	Cosmos-2529, launched by a Soyuz-2-1b carrier rocket with a Fregat booster from the Plesetsk launch site	3 November 2018	19 173.9	19 156.8	64.5	676.9	Work as part of the Global Navigation Satellite System (GLONASS)
3502-2018-012	Progress MS-10, launched by a Soyuz-FG carrier rocket from the Baikonur launch site	16 November 2018	243.1	193.4	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
3503-2018-013	Cosmos-2530 ^a	30 November 2018	1 501.1	1 491.7	82.5	115.8	Space object intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3504-2018-013	Cosmos-2531 ^a	30 November 2018	1 501.1	1 491.7	82.5	115.8	Space object intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3505-2018-013	Cosmos-2532 ^a	30 November 2018	1 501.1	1 491.7	82.5	115.8	Space object intended for assignments on behalf of the Ministry of Defence of the Russian Federation

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

2. In November 2018, the Russian Federation did not launch any space objects on behalf of foreign clients.

3. The following space object ceased to exist in November 2018 and was no longer in Earth orbit as at 2400 hours Moscow time on 30 November 2018:

1998-067NC (TS530-Zerkalo), which burned up on 29 November 2018.

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