



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 26 December 2016 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 September and October 2016 and also on the space objects that ceased to exist during that period (see annexes I and II).



Annex I**Registration data on space launches by the Russian Federation for September 2016***

1. In September 2016, the Russian Federation did not launch any space objects over which it has control and that, in accordance with established practice and its international obligations, were included in the register of space objects.
2. In September 2016, the Russian Federation did not launch any space objects on behalf of foreign clients.
3. The following space objects ceased to exist in September 2016 and were no longer in Earth orbit as at 2400 hours Moscow time on 30 September 2016:
 - 2016-018A (Soyuz TMA-20M), which landed at a predetermined location with members of an International Space Station expedition on 7 September 2016.
 - 1992-040A (Cosmos-2196), which burned up on 27 September 2016.

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

Annex II

Registration data on space launches by the Russian Federation for October 2016*

1. In October 2016, the following space object under the jurisdiction and control of the Russian Federation was launched:

Number	Name of space object	Date of launch	Basic orbital characteristics				General function of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
3460-2016-011	Soyuz MS-02, launched by a Soyuz-FG carrier rocket from the Baikonur launch site	19 October	254.2	198.2	51.7	88.7	Delivery to the International Space Station of the crew for Expeditions 49 and 50, consisting of the commander of the manned transport vehicle (MTV), Sergei Nikolaevich Ryzhikov (Russian Federation), flight engineer Andrei Ivanovich Borisenko (Russian Federation) and MTV flight engineer and commander of Expedition 50 Robert Shane Kimbrough (United States of America)

2. In October 2016, the Russian Federation did not launch any space objects on behalf of foreign clients.
3. The following space objects ceased to exist in October 2016 and were no longer in Earth orbit as at 2400 hours Moscow time on 31 October 2016:

2016-022A (Progress MS-02), which was deorbited into the Pacific Ocean at a predetermined location on 14 October 2016; fragments of the space object that had not burned up were sunk.

2016-044A (Soyuz MS), which landed at a predetermined location with members of an International Space Station expedition on 30 October 2016.

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