

**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 6 February 2017 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 December 2016 and on the space objects that ceased to exist during that month (see annex I) and additional information concerning space object Ekspress-AM2 (see annex II).



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

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

2001-030A (Molniya-3K), which burned up on 19 December 2016.

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

## Annex II

### **Additional information concerning space object Ekspress-AM2 (2005-010A) which is included in the register of space objects of the Russian Federation\***

Name of space object	Ekspress-AM2 (2005-010A)
Date when space object was no longer functional	21 December 2016 11 hours 4 minutes 19 seconds
Date of transfer of space object to graveyard orbit	20 December 2016 9 hours 40 minutes 0 seconds
Physical conditions during transfer of space object to graveyard orbit	All transponders and beacons forming part of the on-board communication equipment were shut down  Control unit of the on-board communication system was shut down  On-board control system software and signals were blocked  Solar batteries were turned away from the Sun  Storage batteries and charge lines were disconnected  On-board command and measurement system equipment was shut down
Parameters of graveyard orbit	
Semi-major axis	42,511.961 kilometres
Pericentre altitude above geostationary orbit (GEO)	317.9 kilometres
Apocentre altitude above GEO	378.0 kilometres
Eccentricity	0.000707
Inclination	1.9976 degrees

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