



Secretariat

Distr.: General
17 January 2011

Original: English

**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 13 January 2011 from the Permanent Mission
of the United States of America to the United Nations (Vienna)
addressed to the Secretary-General**

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, 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 United States for the period from July to November 2010 (see annexes I-V).



Registration data on space launches by the United States of America for July 2010*

The following report supplements the registration data on United States launches as at 31 July 2010. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Date of launch	Location of launch	Basic orbital characteristics				General function of space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:								
2010-034A	Echostar 15	10 July 2010	Baikonur, Kazakhstan	636.3	49.2	35 802	425	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:								
None.								
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z on 31 July 2010:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 July 2010:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2400Z on 31 July 2010:								
None.								
The following objects were launched since the last report but did not achieve orbit:								
None.								
Revisions that should be made to previously reported data:								
None.								

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

Annex II

Registration data on space launches by the United States of America for August 2010*

The following report supplements the registration data on United States launches as at 31 August 2010. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Date of launch	Location of launch	Basic orbital characteristics				General function of space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:								
2010-039A	AEHF 1 (USA 214)	14 August 2010	–	928.3	22.2	50 021	268	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-039B	Atlas 5 Centaur R/B	14 August 2010	–	933.8	21.7	50 319	216	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:								
2005-011C	Minotaur debris	11 April 2005	–	101.9	98.9	859	844	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z on 31 August 2010:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 August 2010:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2400Z on 31 August 2010:								
2003-002A, 2006-058C, 2007-062B, 2009-038F								
The following objects were launched since the last report but did not achieve orbit:								
None.								
Revisions that should be made to previously reported data:								
None.								

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

Annex III

Registration data on space launches by the United States of America for September 2010*

The following report supplements the registration data on United States launches as at 30 September 2010. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Date of launch	Location of launch	Basic orbital characteristics				General function of space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:								
2010-046A	USA 215	21 September 2010	–	106.6	123.0	1 078	1 060	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-048A	SBSS (USA 216)	26 September 2010	–	95.2	98.0	553	541	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-048B	Minotaur IV R/B	26 September 2010	–	95.2	98.0	558	543	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:								
None.								
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z on 30 September 2010								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 30 September 2010:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2400Z on 30 September 2010:								
None.								
The following objects were launched since the last report but did not achieve orbit:								
None.								
Revisions that should be made to previously reported data:								
None.								

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

Annex IV

Registration data on space launches by the United States of America for October 2010*

The following report supplements the registration data on United States launches as at 31 October 2010. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Basic orbital characteristics					General function of space object	
		Date of launch	Location of launch	Nodal period (min)	Inclination (degrees)	Apogee (km)		Perigee (km)
The following objects were launched since the last report and remain in orbit:								
2010-053A	XM-5	14 October 2010	Baikonur, Kazakhstan	635.5	49.2	35 791	424	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:								
None.								
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z on 31 October 2010:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 October 2010:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2400Z on 31 October 2010:								
None.								
The following objects were launched since the last report but did not achieve orbit:								
None.								
Revisions that should be made to previously reported data:								
None.								

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

Registration data on space launches by the United States of America for November 2010*

The following report supplements the registration data on United States launches as at 30 November 2010. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Date of launch	Location of launch	Basic orbital characteristics				General function of space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:								
2010-060B	Delta 2 R/B	6 November 2010	–	92.7	97.8	650	202	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2010-061A	SkyTerra 1	14 November 2010	Baikonur, Kazakhstan	739.4	18.8	35 540	5 874	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-062A	STPSat 2 (USA 217)	20 November 2010	–	97.5	71.9	655	628	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-062B	RAX (USA 218)	20 November 2010	–	97.7	71.9	654	651	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-062C	O/OREOS (USA 219)	20 November 2010	–	97.5	71.9	655	628	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-062D	FASTSAT-HSV01 (USA 220)	20 November 2010	–	97.5	71.9	655	628	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-062E	FALCONSAT (USA 221)	20 November 2010	–	97.6	71.9	655	633	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-062F	FAST 1 (USA 222)	20 November 2010	–	97.5	71.9	655	628	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-062G	Minotaur R/B	20 November 2010	–	97.6	71.9	655	633	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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

International designation	Name of space object	Date of launch	Location of launch	Basic orbital characteristics				General function of space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2010-062H	HAPS R/B	20 November 2010	–	111.7	72.0	1 204	1 200	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2010-062J	Ballast A	20 November 2010	–	109.4	72.0	1 204	1 200	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2010-062K	Ballast B	20 November 2010	–	109.4	72.0	1 204	1 200	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2010-063A	USA 223	21 November 2010	–	692.2	26.5	35 678	214	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2010-063B	Delta 4 R/B	21 November 2010	–	629.2	26.5	35 678	214	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:								
None.								
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z on 30 November 2010:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 30 November 2010:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2400Z on 30 November 2010:								
None.								
The following objects were launched since the last report but did not achieve orbit:								
None.								
Revisions that should be made to previously reported data:								
None.								