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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 1 June 2017 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), 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 objects launched into outer space by the United States for the period from January to April 2017 (see annexes I-IV).\*

The United States requests that the space objects contained in the annexes to this document be placed on the Register of Objects Launched into Outer Space maintained by the United Nations. In submitting this request, the United States notes that, consistent with its long-standing registration practice, the United States is not necessarily a launching State for each of the space objects it registers. The United States makes this request in the spirit of contributing to the practical effectiveness of the treaties and is providing information to the greatest extent practicable.

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\* The data on space objects referenced in the annexes were entered into the Register of Objects Launched into Outer Space on 31 August 2017.



## Annex I

## Registration data on space launches by the United States of America for January 2017\*

The following report supplements the registration data on United States space launches as at 31 January 2017. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:								
2017-003A	Iridium 106	14 January 2017	-	97.1	86.7	700	616	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003B	Iridium 103	14 January 2017	-	96.8	86.7	636	620	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003C	Iridium 109	14 January 2017	-	96.8	86.6	632	622	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003D	Iridium 102	14 January 2017	-	96.9	86.7	638	620	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003E	Iridium 105	14 January 2017	-	96.9	86.7	638	623	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003F	Iridium 104	14 January 2017	-	96.9	86.7	638	626	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003G	Iridium 114	14 January 2017	-	96.9	86.7	627	620	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003H	Iridium 108	14 January 2017	-	96.9	86.7	639	624	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003J	Iridium 112	14 January 2017	-	96.9	86.7	635	618	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-003K	Iridium 111	14 January 2017	-	97	86.7	640	626	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-004A	SBIRS GEO 3 (USA 273)	21 January 2017	-	634.7	23	35 992	179	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-004B	Atlas 5 Centaur R/B	21 January 2017	-	630.1	23.3	35 752	187	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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

<i>International designation</i>	<i>Name of the space object</i>	<i>Date of the launch</i>	<i>Location of the launch</i>	<i>Basic orbital characteristics</i>				<i>General function of the space object</i>
				<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
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 2359Z on 31 January 2017:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2359Z on 31 January 2017:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2359Z on 31 January 2017:								
2013-064B, 1998-067HV								
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.								

## Annex II

## Registration data on space launches by the United States of America for February 2017\*

The following report supplements the registration data on United States space launches as at 28 February 2017. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:								
2017-008C	Flock 3 P 20	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008D	Flock 3 P 8	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008E	Flock 3 P 51	15 February 2017	India	94.6	97.5	507	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008F	Flock 3 P 37	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008H	Flock 3 P 19	15 February 2017	India	94.6	97.5	509	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008J	Flock 3 P 24	15 February 2017	India	94.6	97.5	509	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008K	Flock 3 P 18	15 February 2017	India	94.6	97.5	509	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008L	Flock 3 P 22	15 February 2017	India	94.6	97.5	509	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008M	Flock 3 P 21	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008N	Flock 3 P 28	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008P	Flock 3 P 26	15 February 2017	India	94.6	97.5	508	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008Q	Flock 3 P 17	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008R	Flock 3 P 27	15 February 2017	India	94.6	97.5	509	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

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

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2017-008S	Flock 3 P 25	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008T	Flock 3 P 4	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008U	Flock 3 P 2	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008V	Flock 3 P 1	15 February 2017	India	94.6	97.5	508	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008W	Flock 3 P 3	15 February 2017	India	94.6	97.5	508	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008X	Flock 3 P 6	15 February 2017	India	94.6	97.5	508	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008Y	Flock 3 P 7	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008Z	Flock 3 P 5	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AA	Flock 3 P 12	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AB	Flock 3 P 9	15 February 2017	India	94.6	97.5	508	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AC	Flock 3 P 10	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AD	Flock 3 P 11	15 February 2017	India	94.6	97.5	508	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AE	Flock 3 P 60	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AF	Flock 3 P 58	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AG	Flock 3 P 57	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AH	Flock 3 P 75	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AJ	Flock 3 P 70	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AK	Flock 3 P 73	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2017-008AL	Flock 3 P 88	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AM	Flock 3 P 85	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AN	Flock 3 P 79	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AP	Flock 3 P 86	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AQ	Flock 3 P 36	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AR	Flock 3 P 30	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AS	Flock 3 P 34	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AT	Flock 3 P 35	15 February 2017	India	94.6	97.5	507	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AU	Flock 3 P 33	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AV	Lemur 2 Satchmo	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AW	Lemur 2 Mia-Grace	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AX	Lemur 2 Smita-Sharad	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AY	Lemur 2 Spire-Minions	15 February 2017	India	94.6	97.5	506	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008AZ	Lemur 2 Rdeaton	15 February 2017	India	94.6	97.5	507	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BA	Lemur 2 Noguecorreig	15 February 2017	India	94.6	97.5	507	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BB	Lemur 2 Jobanputra	15 February 2017	India	94.6	97.5	507	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BC	Lemur 2 Tachikoma	15 February 2017	India	94.6	97.5	507	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2017-008BF	Flock 3 P 49	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BG	Flock 3 P 67	15 February 2017	India	94.6	97.5	507	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BH	Flock 3 P 68	15 February 2017	India	94.6	97.5	507	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BJ	Flock 3 P 41	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BK	Flock 3 P 45	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BL	Flock 3 P 48	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BM	Flock 3 P 43	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BN	Flock 3 P 42	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BP	Flock 3 P 61	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BQ	Flock 3 P 40	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BR	Flock 3 P 16	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BS	Flock 3 P 14	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BT	Flock 3 P 53	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BU	Flock 3 P 54	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BY	Flock 3 P 23	15 February 2017	India	94.6	97.5	508	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008BZ	Flock 3 P 76	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CA	Flock 3 P 69	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CB	Flock 3 P 84	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2017-008CC	Flock 3 P 59	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CD	Flock 3 P 32	15 February 2017	India	94.6	97.5	507	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CE	Flock 3 P 71	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CF	Flock 3 P 77	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CG	Flock 3 P 80	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CH	Flock 3 P 66	15 February 2017	India	94.6	97.5	507	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CJ	Flock 3 P 65	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CK	Flock 3 P 50	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CL	Flock 3 P 52	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CM	Flock 3 P 46	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CN	Flock 3 P 47	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CP	Flock 3 P 44	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CQ	Flock 3 P 64	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CR	Flock 3 P 63	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CS	Flock 3 P 62	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CT	Flock 3 P 38	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CU	Flock 3 P 39	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CV	Flock 3 P 15	15 February 2017	India	94.6	97.5	506	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2017-008CW	Flock 3 P 13	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CX	Flock 3 P 55	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CY	Flock 3 P 56	15 February 2017	India	94.6	97.5	505	492	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008CZ	Flock 3 P 81	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008DA	Flock 3 P 87	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008DB	Flock 3 P 29	15 February 2017	India	94.6	97.5	507	494	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008DC	Flock 3 P 82	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008DD	Flock 3 P 78	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008DE	Flock 3 P 74	15 February 2017	India	94.6	97.5	508	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008DF	Flock 3 P 31	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008DG	Flock 3 P 83	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-008DH	Flock 3 P 72	15 February 2017	India	94.6	97.5	507	493	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-009A	Dragon CRS-10	19 February 2017	-	92.5	51.6	402	396	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 2359Z on 28 February 2017:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2359Z on 28 February 2017:

None.

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*Basic orbital characteristics*

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<i>International designation</i>	<i>Name of the space object</i>	<i>Date of the launch</i>	<i>Location of the launch</i>	<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	<i>General function of the space object</i>
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The following objects identified in a previous report were no longer in orbit as at 2359Z on 28 February 2017:

2016-019E

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.

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## Annex III

## Registration data on space launches by the United States of America for March 2017\*

The following report supplements the registration data on United States space launches as at 31 March 2017. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:								
2017-011A	USA 274	1 March 2017	-	107.3	63.4	1 204	1 008	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-014A	Echostar 23	16 March 2017	-	1 436.11	0.02	35 806	35 768	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-014B	Falcon 9 R/B	16 March 2017	-	627.77	22.59	35 638	179	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2017-016A	WGS 9 (USA 275)	19 March 2017	-	809.2	27	44 303	471	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-017A	SES 10	30 March 2017	-	1 436.11	0.04	35 796	35 778	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2017-014B	Falcon 9 R/B	30 March 2017	-	584.91	26.15	3 336	244	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:								
1998-067LA	Lemur 2 Redfern-Goes	6 March 2017	Launched from the ISS Kibo module	92.5	51.6	404	392	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-067LB	Techedsat 5	6 March 2017	Launched from the ISS Kibo module	92.1	51.6	384	380	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-067LC	Lemur 2 Trutna	6 March 2017	Launched from the ISS Kibo module	92.5	51.6	403	391	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-067LD	Lemur 2 Austintacious	6 March 2017	Launched from the ISS Kibo module	92.5	51.6	404	392	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

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

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
1998-067LE	Lemur 2 Trutnahd	6 March 2017	Launched from the ISS Kibo module	92.5	51.6	404	394	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 but were no longer in orbit as at 23 59Z on 31 March 2017:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 23 59Z on 31 March 2017:								
2017-016B	Delta 4 R/B	19 March 2017	-	705.4	26.9	39 931	-182	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects identified in a previous report were no longer in orbit as at 23 59Z on 31 March 2017:								
1998-067FL, 1998-067JL, 1998-067JF, 2016-019D, 2016-019C, 2016-079B, 2017-009A								
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.								

## Annex IV

### Registration data on space launches by the United States of America for April 2017\*

The following report supplements the registration data on United States space launches as at 30 April 2017. All launches were made from the territory of the United States unless otherwise specified.

<i>International designation</i>	<i>Name of the space object</i>	<i>Date of the launch</i>	<i>Location of the launch</i>	<i>Basic orbital characteristics</i>				<i>General function of the space object</i>
				<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
The following objects were launched since the last report and remain in orbit:								
2017-019A	Cygnus OA-7	18 April 2017	-	89.2	51.64	247	242	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 2359Z on 30 April 2017:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2359Z on 30 April 2017:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2359Z on 30 April 2017:								
1998-067JJ, 1998-067JK, 1998-067HW								
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.