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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 11 March 2021 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 January 2021 (see annex).¹

The United States requests that the space objects contained in the annex to the present 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.

¹ The data on space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 19 March 2021.



Annex

Registration data on space launches by the United States of America for January 2021*

The following report supplements the registration data on United States space launches as at 31 January 2021.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
The following objects were launched after the last report and remained in orbit as at 2359Z on 31 January 2021:									
2021-001B	Falcon 9 R/B	8 January 2021	AFETR	1 046.83	17.46	55 289	258	D	-
2021-002A	CAPE-3	17 January 2021	WRAS	94.72	60.69	517	493	C	-
2021-002B	PolarCube	17 January 2021	WRAS	94.7	60.69	514	494	C	-
2021-002C	AO-109	17 January 2021	WRAS	94.66	60.69	511	493	C	-
2021-002E	Prometheus 2.11	17 January 2021	WRAS	94.63	60.69	511	490	C	-
2021-002F	MiTEE 1	17 January 2021	WRAS	94.59	60.69	508	489	C	-
2021-002H	LauncherOne R/B	17 January 2021	WRAS	93.78	60.7	504	415	D	-
2021-002L	ExoCube 2	17 January 2021	WRAS	94.68	60.69	513	494	C	-
2021-002N	Prometheus 2.8	17 January 2021	WRAS	94.63	60.69	511	490	C	-
2021-005A	Starlink-1952	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005B	Starlink-2011	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005C	Starlink-2017	20 January 2021	AFETR	90.97	53.05	323	322	C	-
2021-005D	Starlink-2034	20 January 2021	AFETR	91	53.05	324	323	C	-
2021-005E	Starlink-2045	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005F	Starlink-2046	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005G	Starlink-2047	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005H	Starlink-2049	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005J	Starlink-2050	20 January 2021	AFETR	90.99	53.05	324	323	C	-
2021-005K	Starlink-2055	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005L	Starlink-2069	20 January 2021	AFETR	90.55	53.05	308	296	C	-
2021-005M	Starlink-2070	20 January 2021	AFETR	90.97	53.05	323	322	C	-
2021-005N	Starlink-2071	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005P	Starlink-2076	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005Q	Starlink-2077	20 January 2021	AFETR	90.99	53.05	325	322	C	-

* 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	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2021-005R	Starlink-2079	20 January 2021	AFETR	91	53.05	324	323	C	-
2021-005S	Starlink-2080	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005T	Starlink-2081	20 January 2021	AFETR	91	53.05	324	323	C	-
2021-005U	Starlink-2082	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005V	Starlink-2084	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005W	Starlink-2085	20 January 2021	AFETR	90.97	53.05	323	322	C	-
2021-005X	Starlink-2086	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005Y	Starlink-2088	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005Z	Starlink-2089	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005AA	Starlink-2092	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005AB	Starlink-2093	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005AC	Starlink-2094	20 January 2021	AFETR	91	53.05	324	323	C	-
2021-005AD	Starlink-2096	20 January 2021	AFETR	91	53.05	324	323	C	-
2021-005AE	Starlink-2097	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005AF	Starlink-2098	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005AG	Starlink-2099	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005AH	Starlink-2100	20 January 2021	AFETR	90.98	53.05	324	322	C	-
2021-005AJ	Starlink-2101	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005AK	Starlink-2102	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005AL	Starlink-2103	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005AM	Starlink-2104	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005AN	Starlink-2105	20 January 2021	AFETR	90.98	53.05	325	320	C	-
2021-005AP	Starlink-2106	20 January 2021	AFETR	90.98	53.05	324	322	C	-
2021-005AQ	Starlink-2108	20 January 2021	AFETR	91	53.05	324	323	C	-
2021-005AR	Starlink-2109	20 January 2021	AFETR	91	53.05	324	323	C	-
2021-005AS	Starlink-2110	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005AT	Starlink-2111	20 January 2021	AFETR	90.99	53.05	324	323	C	-
2021-005AU	Starlink-2112	20 January 2021	AFETR	90.98	53.05	324	322	C	-
2021-005AV	Starlink-2113	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005AW	Starlink-2114	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005AX	Starlink-2115	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005AY	Starlink-2117	20 January 2021	AFETR	90.97	53.05	323	321	C	-

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2021-005AZ	Starlink-2118	20 January 2021	AFETR	90.98	53.05	324	322	C	-
2021-005BA	Starlink-2119	20 January 2021	AFETR	91	53.05	324	323	C	-
2021-005BB	Starlink-2120	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005BC	Starlink-2121	20 January 2021	AFETR	90.97	53.05	323	321	C	-
2021-005BD	Starlink-2122	20 January 2021	AFETR	90.97	53.05	324	320	C	-
2021-005BE	Starlink-2123	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005BF	Starlink-2124	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005BG	Starlink-2127	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005BH	Starlink-2128	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005BJ	Starlink-2130	20 January 2021	AFETR	90.99	53.05	324	322	C	-
2021-005BK	Starlink-2133	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005BL	Starlink-2134	20 January 2021	AFETR	90.98	53.05	323	322	C	-
2021-005BM	Starlink-2135	20 January 2021	AFETR	90.98	53.05	324	322	C	-
2021-006A	Starlink-2199	24 January 2021	AFETR	95.09	97.51	531	515	C	-
2021-006B	Starlink-2200	24 January 2021	AFETR	95.09	97.51	531	515	C	-
2021-006BB	Flock 4s 11	24 January 2021	AFETR	95.27	97.51	537	526	C	-
2021-006C	Starlink-2201	24 January 2021	AFETR	95.1	97.51	531	515	C	-
2021-006CE	Capella-3 (Whitney)	24 January 2021	AFETR	95.23	97.51	536	523	C	-
2021-006CF	Flock 4s 39	24 January 2021	AFETR	95.22	97.52	536	522	C	-
2021-006CG	Flock 4s 4	24 January 2021	AFETR	95.22	97.51	536	522	C	-
2021-006CH	Flock 4s 17	24 January 2021	AFETR	95.21	97.52	536	522	C	-
2021-006CK	Flock 4s 3	24 January 2021	AFETR	95.21	97.51	536	522	C	-
2021-006CL	Flock 4s 27	24 January 2021	AFETR	95.21	97.51	536	522	C	-
2021-006CM	Flock 4s 18	24 January 2021	AFETR	95.21	97.52	536	522	C	-
2021-006CN	Flock 4s 26	24 January 2021	AFETR	95.21	97.51	536	522	C	-
2021-006CP	Flock 4s 2	24 January 2021	AFETR	95.21	97.51	536	522	C	-
2021-006CQ	Flock 4s 40	24 January 2021	AFETR	95.21	97.52	536	522	C	-
2021-006CR	Flock 4s 19	24 January 2021	AFETR	95.21	97.52	536	522	C	-
2021-006CT	Hawk-2c	24 January 2021	AFETR	95.23	97.51	536	523	C	-
2021-006CW	Hawk-2a	24 January 2021	AFETR	95.23	97.51	536	523	C	-
2021-006CY	Xr-1	24 January 2021	AFETR	95.24	97.51	536	524	C	-
2021-006CZ	Hawk-2b	24 January 2021	AFETR	95.24	97.51	537	523	C	-

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2021-006D	Starlink-2202	24 January 2021	AFETR	95.1	97.51	531	515	C	-
2021-006E	Starlink-2203	24 January 2021	AFETR	95.09	97.51	531	515	C	-
2021-006F	Starlink-2204	24 January 2021	AFETR	95.09	97.51	531	515	C	-
2021-006G	Starlink-2205	24 January 2021	AFETR	95.09	97.51	531	515	C	-
2021-006H	Starlink-2206	24 January 2021	AFETR	95.09	97.51	531	515	C	-
2021-006J	Starlink-2207	24 January 2021	AFETR	95.09	97.51	531	515	C	-
2021-006K	Starlink-2208	24 January 2021	AFETR	95.09	97.51	531	515	C	-
2021-006N	SpaceBEE-52	24 January 2021	AFETR	95.12	97.51	534	515	C	-
2021-006P	SpaceBEE-46	24 January 2021	AFETR	95.12	97.51	534	515	C	-
2021-006Q	SpaceBEE-47	24 January 2021	AFETR	95.13	97.51	534	515	C	-
2021-006R	SpaceBEE-59	24 January 2021	AFETR	95.13	97.51	535	515	C	-
2021-006S	SpaceBEE-62	24 January 2021	AFETR	95.14	97.51	535	516	C	-
2021-006U	SpaceBEE-61	24 January 2021	AFETR	95.27	97.51	536	528	C	-
2021-006V	SpaceBEE-49	24 January 2021	AFETR	95.28	97.51	536	528	C	-
2021-006W	SpaceBEE-60	24 January 2021	AFETR	95.28	97.51	536	528	C	-
2021-006X	SpaceBEE-53	24 January 2021	AFETR	95.28	97.51	536	529	C	-
2021-006AF	SpaceBEE-63	24 January 2021	AFETR	95.27	97.51	536	528	C	-
2021-006AG	SpaceBEE-50	24 January 2021	AFETR	95.27	97.51	536	528	C	-
2021-006AH	SpaceBEE-51	24 January 2021	AFETR	95.27	97.51	536	528	C	-
2021-006AL	SpaceBEE-48	24 January 2021	AFETR	95.2	97.5	536	520	C	-
2021-006AN	SpaceBEE-40	24 January 2021	AFETR	95.2	97.5	536	520	C	-
2021-006AQ	SpaceBEE-41	24 January 2021	AFETR	95.2	97.51	536	520	C	-
2021-006AR	Flock 4s 22	24 January 2021	AFETR	95.2	97.51	536	521	C	-
2021-006AS	Lemur-2 SaoirSedh5Guo	24 January 2021	AFETR	95.22	97.52	536	522	C	-
2021-006AU	SpaceBEE-42	24 January 2021	AFETR	95.2	97.51	536	521	C	-
2021-006AV	Flock 4s 21	24 January 2021	AFETR	95.2	97.51	536	521	C	-
2021-006AW	Lemur-2 Nallywacker	24 January 2021	AFETR	95.2	97.51	536	521	C	-
2021-006AY	SpaceBEE-55	24 January 2021	AFETR	95.2	97.51	536	520	C	-
2021-006AZ	SpaceBEE-54	24 January 2021	AFETR	95.2	97.51	536	521	C	-
2021-006BD	SpaceBEE-58	24 January 2021	AFETR	95.13	97.51	534	515	C	-
2021-006BE	SpaceBEE-57	24 January 2021	AFETR	95.27	97.51	535	528	C	-
2021-006BF	SpaceBEE-44	24 January 2021	AFETR	95.27	97.51	536	527	C	-

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2021-006BH	SpaceBEE-56	24 January 2021	AFETR	95.27	97.51	536	527	C	-
2021-006BJ	Flock 4s 33	24 January 2021	AFETR	95.27	97.51	536	527	C	-
2021-006BK	SpaceBEE-45	24 January 2021	AFETR	95.27	97.51	536	527	C	-
2021-006BL	Flock 4s 12	24 January 2021	AFETR	95.27	97.51	537	526	C	-
2021-006BM	Flock 4s 13	24 January 2021	AFETR	95.26	97.52	537	526	C	-
2021-006BN	Flock 4s 35	24 January 2021	AFETR	95.26	97.51	536	526	C	-
2021-006BP	Flock 4s 8	24 January 2021	AFETR	95.26	97.51	537	526	C	-
2021-006BQ	Flock 4s 31	24 January 2021	AFETR	95.26	97.51	536	526	C	-
2021-006BS	Flock 4s 34	24 January 2021	AFETR	95.26	97.51	536	526	C	-
2021-006BT	Flock 4s 9	24 January 2021	AFETR	95.26	97.51	537	526	C	-
2021-006BU	Flock 4s 32	24 January 2021	AFETR	95.26	97.51	536	527	C	-
2021-006BV	SpaceBEE-43	24 January 2021	AFETR	95.27	97.51	536	527	C	-
2021-006BW	Capella-4 (Whitney)	24 January 2021	AFETR	95.22	97.51	536	522	C	-
2021-006DC	Lemur-2 Ruairi-Eilidh	24 January 2021	AFETR	95.25	97.51	536	525	C	-
2021-006DD	Flock 4s 38	24 January 2021	AFETR	95.25	97.52	536	525	C	-
2021-006DE	Flock 4s 28	24 January 2021	AFETR	95.25	97.51	536	525	C	-
2021-006DF	Flock 4s 5	24 January 2021	AFETR	95.25	97.51	536	525	C	-
2021-006DG	Flock 4s 16	24 January 2021	AFETR	95.25	97.52	536	525	C	-
2021-006DJ	Flock 4s 6	24 January 2021	AFETR	95.26	97.51	536	525	C	-
2021-006DL	Flock 4s 29	24 January 2021	AFETR	95.26	97.51	536	526	C	-
2021-006DM	Flock 4s 15	24 January 2021	AFETR	95.26	97.52	536	526	C	-
2021-006DN	Flock 4s 37	24 January 2021	AFETR	95.26	97.52	536	526	C	-
2021-006DR	Lemur-2 JenniferSong	24 January 2021	AFETR	95.2	97.51	536	521	C	-
2021-006DT	Flock 4s 7	24 January 2021	AFETR	95.26	97.51	537	526	C	-
2021-006DV	Lemur-2 Chantal	24 January 2021	AFETR	95.26	97.51	536	526	C	-
2021-006DW	Flock 4s 36	24 January 2021	AFETR	95.26	97.51	536	526	C	-
2021-006DY	Lemur-2 NoobNoob	24 January 2021	AFETR	95.2	97.51	537	520	C	-
2021-006DZ	Flock 4s 24	24 January 2021	AFETR	95.2	97.51	537	520	C	-
2021-006EA	Flock 4s 20	24 January 2021	AFETR	95.2	97.51	537	520	C	-
2021-006EC	Flock 4s 25	24 January 2021	AFETR	95.21	97.5	537	520	C	-
2021-006ED	Flock 4s 1	24 January 2021	AFETR	95.21	97.5	537	521	C	-
2021-006EE	Flock 4s 30	24 January 2021	AFETR	95.26	97.5	537	525	C	-

<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>Date of decay</i>
				<i>Nodal period (minutes)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>		

2021-006EF Flock 4s 23 24 January 2021 AFETR 95.2 97.51 537 520 C -

The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 31 January 2021:

None.

The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 31 January 2021:

None.

The following objects were launched after the last report but did not achieve orbit:

None.

The following objects identified in a previous report were no longer in orbit as at 2359Z on 31 January 2021:

1998-067NX	-	-	-	-	-	-	-	-	4 January 2021
2019-009C	-	-	-	-	-	-	-	-	3 January 2021
2020-035H	-	-	-	-	-	-	-	-	8 January 2021
2020-069A	-	-	-	-	-	-	-	-	26 January 2021
2020-093A	-	-	-	-	-	-	-	-	14 January 2021

Revisions that should be made to previously reported data:

None.

Abbreviations and key

Location of the launch: AFETR, United States Air Force Eastern Test Range; WRAS, United States Western Range Air Space.

General function of the space object:

- A Spacecraft engaged in investigation of spaceflight techniques and technology
- B Spacecraft engaged in research and exploration of the upper atmosphere
- C Spacecraft engaged in practical applications and uses of space technology such as weather or communications
- D Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
- E Reusable space transportation systems