



Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 23 March 2022 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 2022 (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 11 April 2022.



Annex

Registration data on space launches by the United States of America for January 2022*

The following report supplements the registration data on United States space launches as at 31 January 2022.

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 2022:									
2022-001A	Starlink-3321	6 January 2022	AFETR	91.54	53.21	351	349	C	-
2022-001B	Starlink-3323	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001C	Starlink-3333	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001D	Starlink-3335	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001E	Starlink-3353	6 January 2022	AFETR	91.54	53.21	351	349	C	-
2022-001F	Starlink-3355	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001G	Starlink-3232	6 January 2022	AFETR	91.54	53.22	351	349	C	-
2022-001H	Starlink-3348	6 January 2022	AFETR	91.54	53.22	351	349	C	-
2022-001J	Starlink-3347	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001K	Starlink-3338	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001L	Starlink-3349	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001M	Starlink-3324	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001N	Starlink-3234	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001P	Starlink-3342	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001Q	Starlink-3341	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001R	Starlink-3336	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001S	Starlink-3327	6 January 2022	AFETR	91.54	53.21	351	349	C	-
2022-001T	Starlink-3339	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001U	Starlink-3346	6 January 2022	AFETR	91.53	53.22	351	349	C	-
2022-001V	Starlink-3343	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001W	Starlink-3334	6 January 2022	AFETR	91.53	53.21	352	347	C	-
2022-001X	Starlink-3340	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001Y	Starlink-3332	6 January 2022	AFETR	91.53	53.21	351	348	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)		
2022-001Z	Starlink-3337	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AA	Starlink-3329	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001AB	Starlink-3290	6 January 2022	AFETR	91.53	53.22	351	349	C	-
2022-001AC	Starlink-3294	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AD	Starlink-3278	6 January 2022	AFETR	91.53	53.22	351	349	C	-
2022-001AE	Starlink-3299	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AF	Starlink-3328	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001AG	Starlink-3316	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AH	Starlink-3331	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001AJ	Starlink-3310	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001AK	Starlink-3330	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AL	Starlink-3318	6 January 2022	AFETR	91.53	53.22	351	349	C	-
2022-001AM	Starlink-3322	6 January 2022	AFETR	91.53	53.22	351	349	C	-
2022-001AN	Starlink-3320	6 January 2022	AFETR	91.53	53.22	351	349	C	-
2022-001AP	Starlink-3295	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001AQ	Starlink-3300	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AR	Starlink-3302	6 January 2022	AFETR	91.53	53.21	351	349	C	-
2022-001AS	Starlink-3325	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001AT	Starlink-3326	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001AU	Starlink-3230	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AV	Starlink-3308	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AW	Starlink-3319	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001AX	Starlink-3315	6 January 2022	AFETR	91.53	53.21	351	348	C	-
2022-001AY	Starlink-3311	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-001AZ	Starlink-3312	6 January 2022	AFETR	91.54	53.22	351	348	C	-
2022-001BA	Starlink-3314	6 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-002C	Umbra-02	13 January 2022	AFETR	95.2	97.51	536	521	-	-
2022-002J	Flock 4X 8	13 January 2022	AFETR	95.19	97.51	536	519	C	-
2022-002L	Flock 4X 44	13 January 2022	AFETR	95.19	97.51	536	519	C	-
2022-002N	Flock 4X 2	13 January 2022	AFETR	95.19	97.51	536	519	C	-
2022-002P	Flock 4X 20	13 January 2022	AFETR	95.19	97.51	536	519	C	-
2022-002S	Flock 4X 30	13 January 2022	AFETR	95.18	97.5	536	519	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)		
2022-002V	Flock 4X 22	13 January 2022	AFETR	95.18	97.51	536	519	C	-
2022-002W	Flock 4X 5	13 January 2022	AFETR	95.18	97.5	536	518	C	-
2022-002X	Flock 4X 41	13 January 2022	AFETR	95.18	97.5	536	519	C	-
2022-002Y	Flock 4X 3	13 January 2022	AFETR	95.18	97.51	536	518	C	-
2022-002Z	Flock 4X 18	13 January 2022	AFETR	95.18	97.5	536	518	C	-
2022-002AB	Flock 4X 37	13 January 2022	AFETR	95.18	97.51	536	518	C	-
2022-002AC	Flock 4X 15	13 January 2022	AFETR	95.17	97.51	536	518	C	-
2022-002AD	Flock 4X 29	13 January 2022	AFETR	95.17	97.5	536	518	C	-
2022-002AE	Flock 4X 27	13 January 2022	AFETR	95.17	97.51	536	518	C	-
2022-002AH	Flock 4X 12	13 January 2022	AFETR	95.17	97.51	536	518	C	-
2022-002AJ	Flock 4X 25	13 January 2022	AFETR	95.17	97.51	536	518	C	-
2022-002AK	Flock 4X 1	13 January 2022	AFETR	95.17	97.5	536	518	C	-
2022-002AL	Flock 4X 42	13 January 2022	AFETR	95.17	97.5	536	518	C	-
2022-002AN	Flock 4X 16	13 January 2022	AFETR	95.17	97.5	536	518	C	-
2022-002AR	Flock 4X 38	13 January 2022	AFETR	95.17	97.51	536	517	C	-
2022-002AS	Flock 4X 32	13 January 2022	AFETR	95.17	97.51	536	517	C	-
2022-002AU	Flock 4X 26	13 January 2022	AFETR	95.17	97.5	536	517	C	-
2022-002AV	Flock 4X 43	13 January 2022	AFETR	95.17	97.5	536	517	C	-
2022-002AW	Flock 4X 13	13 January 2022	AFETR	95.17	97.5	536	517	C	-
2022-002AX	Flock 4X 39	13 January 2022	AFETR	95.16	97.5	536	517	C	-
2022-002BC	Flock 4X 23	13 January 2022	AFETR	95.18	97.51	536	518	C	-
2022-002BD	Flock 4X 17	13 January 2022	AFETR	95.23	97.51	536	523	C	-
2022-002BF	Flock 4X 10	13 January 2022	AFETR	95.19	97.51	536	519	C	-
2022-002BH	Flock 4X 36	13 January 2022	AFETR	95.21	97.51	536	522	C	-
2022-002BJ	Flock 4X 21	13 January 2022	AFETR	95.22	97.51	536	523	C	-
2022-002BK	Flock 4X 31	13 January 2022	AFETR	95.22	97.5	536	523	C	-
2022-002BL	Flock 4X 34	13 January 2022	AFETR	95.22	97.51	536	522	C	-
2022-002BM	Flock 4X 6	13 January 2022	AFETR	95.22	97.51	536	523	C	-
2022-002BP	Flock 4X 28	13 January 2022	AFETR	95.22	97.5	536	522	C	-
2022-002BQ	Flock 4X 19	13 January 2022	AFETR	95.22	97.51	536	522	C	-
2022-002BR	Flock 4X 9	13 January 2022	AFETR	95.22	97.51	536	522	C	-
2022-002BS	Flock 4X 35	13 January 2022	AFETR	95.22	97.5	536	522	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)		
2022-002BT	Flock 4X 11	13 January 2022	AFETR	95.22	97.5	536	523	C	-
2022-002BW	Flock 4X 40	13 January 2022	AFETR	95.23	97.5	536	523	C	-
2022-002BZ	Flock 4X 33	13 January 2022	AFETR	95.23	97.51	536	523	C	-
2022-002CA	Flock 4X 24	13 January 2022	AFETR	95.23	97.5	536	523	C	-
2022-002CJ	Flock 4X 4	13 January 2022	AFETR	95.22	97.5	536	522	C	-
2022-002CK	Flock 4X 7	13 January 2022	AFETR	95.22	97.51	536	522	C	-
2022-002CL	Flock 4X 14	13 January 2022	AFETR	95.22	97.51	536	522	C	-
2022-002CQ	Iceye X14	13 January 2022	AFETR	95.19	97.51	536	519	C	-
2022-002CR	Capella-8-Whitney	13 January 2022	AFETR	95.18	97.51	535	519	C	-
2022-002CS	Capella-7-Whitney	13 January 2022	AFETR	95.18	97.5	535	520	C	-
2022-002CV	USA 320	13 January 2022	AFETR	95.2	97.5	536	520	-	-
2022-002CX	USA 321	13 January 2022	AFETR	95.19	97.51	536	520	-	-
2022-002CY	USA 322	13 January 2022	AFETR	95.2	97.51	536	520	-	-
2022-002CZ	USA 323	13 January 2022	AFETR	95.19	97.51	536	520	-	-
2022-002DE	DODONA	13 January 2022	AFETR	95.15	97.5	532	520	C	-
2022-003D	Gearrs-3	13 January 2022	WRAS	94.58	44.98	501	496	-	-
2022-003H	Launcherone R/B	13 January 2022	WRAS	93.78	45.03	496	423	D	-
2022-005A	Starlink-3366	19 January 2022	AFETR	91.01	53.22	326	323	C	-
2022-005B	Starlink-3350	19 January 2022	AFETR	91.02	53.22	326	323	C	-
2022-005C	Starlink-3176	19 January 2022	AFETR	91.02	53.22	326	323	C	-
2022-005D	Starlink-3368	19 January 2022	AFETR	91.02	53.22	327	322	C	-
2022-005E	Starlink-3362	19 January 2022	AFETR	91.02	53.22	326	323	C	-
2022-005F	Starlink-3358	19 January 2022	AFETR	90.68	53.22	310	306	C	-
2022-005G	Starlink-3344	19 January 2022	AFETR	91.02	53.22	326	323	C	-
2022-005H	Starlink-3173	19 January 2022	AFETR	91.01	53.22	326	323	C	-
2022-005J	Starlink-3374	19 January 2022	AFETR	91.02	53.22	326	323	C	-
2022-005K	Starlink-3372	19 January 2022	AFETR	91.02	53.22	326	322	C	-
2022-005L	Starlink-3375	19 January 2022	AFETR	91.02	53.22	326	323	C	-
2022-005M	Starlink-3397	19 January 2022	AFETR	91.01	53.22	326	323	C	-
2022-005N	Starlink-3243	19 January 2022	AFETR	91.02	53.22	326	322	C	-
2022-005P	Starlink-3391	19 January 2022	AFETR	91.01	53.22	326	323	C	-
2022-005Q	Starlink-3394	19 January 2022	AFETR	91.02	53.22	325	323	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)		
2022-005R	Starlink-3390	19 January 2022	AFETR	91.01	53.22	326	322	C	-
2022-005S	Starlink-3398	19 January 2022	AFETR	91.01	53.22	326	323	C	-
2022-005T	Starlink-3399	19 January 2022	AFETR	91.01	53.22	326	322	C	-
2022-005U	Starlink-3373	19 January 2022	AFETR	91.01	53.22	327	321	C	-
2022-005V	Starlink-3392	19 January 2022	AFETR	91.01	53.22	325	323	C	-
2022-005W	Starlink-3389	19 January 2022	AFETR	91.01	53.22	325	323	C	-
2022-005X	Starlink-3387	19 January 2022	AFETR	91.01	53.22	327	321	C	-
2022-005Y	Starlink-3386	19 January 2022	AFETR	91.01	53.22	325	323	C	-
2022-005Z	Starlink-3370	19 January 2022	AFETR	91.01	53.22	325	323	C	-
2022-005AA	Starlink-3400	19 January 2022	AFETR	91	53.22	326	322	C	-
2022-005AB	Starlink-3396	19 January 2022	AFETR	90.38	53.22	308	279	C	-
2022-005AC	Starlink-3395	19 January 2022	AFETR	91.01	53.22	326	322	C	-
2022-005AD	Starlink-3388	19 January 2022	AFETR	91	53.22	326	322	C	-
2022-005AE	Starlink-3393	19 January 2022	AFETR	91.01	53.22	326	322	C	-
2022-005AF	Starlink-3356	19 January 2022	AFETR	91	53.22	326	321	C	-
2022-005AG	Starlink-3183	19 January 2022	AFETR	90.68	53.22	309	307	C	-
2022-005AH	Starlink-3363	19 January 2022	AFETR	91	53.22	326	322	C	-
2022-005AJ	Starlink-3253	19 January 2022	AFETR	90.14	53.22	316	247	C	-
2022-005AK	Starlink-3180	19 January 2022	AFETR	91	53.22	325	322	C	-
2022-005AL	Starlink-3177	19 January 2022	AFETR	91	53.22	325	323	C	-
2022-005AM	Starlink-3172	19 January 2022	AFETR	91	53.22	325	322	C	-
2022-005AN	Starlink-3175	19 January 2022	AFETR	91	53.22	325	322	C	-
2022-005AP	Starlink-3179	19 January 2022	AFETR	91	53.22	325	322	C	-
2022-005AQ	Starlink-3369	19 January 2022	AFETR	91	53.22	326	322	C	-
2022-005AR	Starlink-3184	19 January 2022	AFETR	91	53.22	324	322	C	-
2022-005AS	Starlink-3185	19 January 2022	AFETR	91	53.22	325	322	C	-
2022-005AT	Starlink-3365	19 January 2022	AFETR	91	53.22	325	322	C	-
2022-005AU	Starlink-3354	19 January 2022	AFETR	91	53.22	325	322	C	-
2022-005AV	Starlink-3352	19 January 2022	AFETR	91	53.22	326	321	C	-
2022-005AW	Starlink-3359	19 January 2022	AFETR	90.99	53.22	326	320	C	-
2022-005AX	Starlink-3360	19 January 2022	AFETR	90.99	53.22	325	322	C	-
2022-005AY	Starlink-3357	19 January 2022	AFETR	91	53.22	326	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)		
2022-005AZ	Starlink-3361	19 January 2022	AFETR	90.99	53.22	325	321	C	-
2022-005BA	Starlink-3364	19 January 2022	AFETR	90.99	53.22	325	321	C	-
2022-006A	USA 324	21 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-006B	USA 325	21 January 2022	AFETR	91.53	53.22	351	348	C	-
2022-006C	Atlas 5 Centaur R/B	21 January 2022	AFETR	91.53	53.22	351	348	D	-
The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 31 January 2022:									
2021-088B	CS1	27 September 2021	AFWTR	95.96	97.6	583	547	C	-
2021-088C	CS2	27 September 2021	AFWTR	95.94	97.61	581	548	C	-
2021-118E	ASCENT	7 December 2021	AFETR	1 422.44	0.13	35 530	35 508	C	-
1998-067TB	GASPACS	28 January 2022	ISS	92.7	51.6	413	403	C	-
1998-067TF	DAILI	28 January 2022	ISS	92.7	51.6	413	403	C	-
The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 31 January 2022:									
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 2022:									
2017-071H	-	-	-	-	-	-	-	-	2 January 2022
2020-055Z	-	-	-	-	-	-	-	-	8 January 2022
2020-025BG	-	-	-	-	-	-	-	-	9 January 2022
2021-024BA	-	-	-	-	-	-	-	-	10 January 2022
2021-024H	-	-	-	-	-	-	-	-	10 January 2022
2021-024BH	-	-	-	-	-	-	-	-	11 January 2022
2017-042BG	-	-	-	-	-	-	-	-	14 January 2022
2021-024AD	-	-	-	-	-	-	-	-	16 January 2022
2021-024AQ	-	-	-	-	-	-	-	-	16 January 2022
2021-024AZ	-	-	-	-	-	-	-	-	16 January 2022
2021-024BL	-	-	-	-	-	-	-	-	16 January 2022
2021-024G	-	-	-	-	-	-	-	-	16 January 2022
2020-012AB	-	-	-	-	-	-	-	-	21 January 2022
2021-006B	-	-	-	-	-	-	-	-	23 January 2022
2021-006K	-	-	-	-	-	-	-	-	23 January 2022

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)		
2021-006C	-	-	-	-	-	-	-	-	24 January 2022
2021-006D	-	-	-	-	-	-	-	-	24 January 2022
2021-127A	-	-	-	-	-	-	-	-	24 January 2022
2017-042AN	-	-	-	-	-	-	-	-	25 January 2022
2019-029Y	-	-	-	-	-	-	-	-	27 January 2022
2020-088U	-	-	-	-	-	-	-	-	28 January 2022
2017-071J	-	-	-	-	-	-	-	-	29 January 2022
2020-073U	-	-	-	-	-	-	-	-	29 January 2022
2020-074AN	-	-	-	-	-	-	-	-	29 January 2022
2020-088K	-	-	-	-	-	-	-	-	29 January 2022
2021-009AN	-	-	-	-	-	-	-	-	29 January 2022

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; AFWTR, United States Air Force Western Test Range; ISS, International Space Station.

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