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

Note verbale dated 20 April 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 February 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 4 May 2022.



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

The following report supplements the registration data on United States space launches as at 28 February 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 28 February 2022:									
2022-009A	USA 326	2 February 2022	AFWTR	94.9	97.4	516	515	C	-
2022-010E	Starlink-3167	3 February 2022	AFETR	91.52	53.22	350	349	C	-
2022-010F	Starlink-3181	3 February 2022	AFETR	91.53	53.22	350	349	C	-
2022-010G	Starlink-3166	3 February 2022	AFETR	91.52	53.22	350	348	C	-
2022-010H	Starlink-3419	3 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-010J	Starlink-3189	3 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-010K	Starlink-3401	3 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-010M	Starlink-3178	3 February 2022	AFETR	91.62	53.22	355	353	C	-
2022-010N	Starlink-3174	3 February 2022	AFETR	91.52	53.22	350	348	C	-
2022-010P	Starlink-3182	3 February 2022	AFETR	91.52	53.22	350	348	C	-
2022-010R	Starlink-3165	3 February 2022	AFETR	91.53	53.21	351	349	C	-
2022-010S	Starlink-3415	3 February 2022	AFETR	91.53	53.22	351	348	C	-
2022-015A	Cygnus NG-17	19 February 2022	WLPIS	92.93	51.64	422	414	C	-
2022-016A	Starlink-3528	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016B	Starlink-3533	21 February 2022	AFETR	91.54	53.22	351	349	C	-
2022-016C	Starlink-3543	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016D	Starlink-3445	21 February 2022	AFETR	91.53	53.22	350	349	C	-
2022-016E	Starlink-3546	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016F	Starlink-3540	21 February 2022	AFETR	91.53	53.22	350	349	C	-
2022-016G	Starlink-3526	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016H	Starlink-3524	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016J	Starlink-3535	21 February 2022	AFETR	91.53	53.22	350	349	C	-
2022-016K	Starlink-3531	21 February 2022	AFETR	91.29	53.22	340	335	C	-
2022-016L	Starlink-3529	21 February 2022	AFETR	91.53	53.22	350	349	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)		
2022-016M	Starlink-3522	21 February 2022	AFETR	91.54	53.22	351	349	C	-
2022-016N	Starlink-3527	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016P	Starlink-3532	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016Q	Starlink-3448	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016R	Starlink-3523	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016S	Starlink-3530	21 February 2022	AFETR	91.53	53.22	350	349	C	-
2022-016T	Starlink-3514	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016U	Starlink-3518	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016V	Starlink-3525	21 February 2022	AFETR	91.54	53.22	351	349	C	-
2022-016W	Starlink-3450	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016X	Starlink-3517	21 February 2022	AFETR	91.53	53.22	350	349	C	-
2022-016Y	Starlink-3447	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016Z	Starlink-3509	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AA	Starlink-3515	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AB	Starlink-3516	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AC	Starlink-3500	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AD	Starlink-3520	21 February 2022	AFETR	91.54	53.22	351	349	C	-
2022-016AE	Starlink-3521	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AF	Starlink-3512	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AG	Starlink-3452	21 February 2022	AFETR	91.53	53.22	350	349	C	-
2022-016AH	Starlink-3449	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AJ	Starlink-3502	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AK	Starlink-3446	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AL	Starlink-3501	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AM	Starlink-3451	21 February 2022	AFETR	91.54	53.22	351	349	C	-
2022-016AN	Starlink-3505	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AP	Starlink-3506	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AQ	Starlink-3511	21 February 2022	AFETR	91.54	53.22	351	349	C	-
2022-016AR	Starlink-3507	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AS	Starlink-3457	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AT	Starlink-3460	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AU	Starlink-3513	21 February 2022	AFETR	91.53	53.22	351	349	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)		
2022-016AV	Starlink-3459	21 February 2022	AFETR	91.54	53.22	351	349	C	-
2022-016AW	Starlink-3458	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-016AX	Starlink-3456	21 February 2022	AFETR	91.53	53.22	351	349	C	-
2022-017A	Starlink-3622	25 February 2022	AFWTR	91.12	53.22	331	329	C	-
2022-017B	Starlink-3621	25 February 2022	AFWTR	91.12	53.22	331	329	C	-
2022-017C	Starlink-3612	25 February 2022	AFWTR	91.13	53.22	331	329	C	-
2022-017D	Starlink-3614	25 February 2022	AFWTR	91.12	53.22	331	329	C	-
2022-017E	Starlink-3623	25 February 2022	AFWTR	91.12	53.22	330	329	C	-
2022-017F	Starlink-3624	25 February 2022	AFWTR	91.12	53.22	330	329	C	-
2022-017G	Starlink-3629	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017H	Starlink-3620	25 February 2022	AFWTR	91.12	53.22	330	329	C	-
2022-017J	Starlink-3608	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017K	Starlink-3625	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017L	Starlink-3615	25 February 2022	AFWTR	90.76	53.22	313	310	C	-
2022-017M	Starlink-3611	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017N	Starlink-3617	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017P	Starlink-3580	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017Q	Starlink-3616	25 February 2022	AFWTR	91.1	53.22	330	328	C	-
2022-017R	Starlink-3628	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017S	Starlink-3632	25 February 2022	AFWTR	91.1	53.22	330	328	C	-
2022-017T	Starlink-3646	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017U	Starlink-3638	25 February 2022	AFWTR	91.1	53.22	329	328	C	-
2022-017V	Starlink-3619	25 February 2022	AFWTR	91.11	53.22	330	328	C	-
2022-017W	Starlink-3641	25 February 2022	AFWTR	91.09	53.22	329	327	C	-
2022-017X	Starlink-3639	25 February 2022	AFWTR	91.1	53.22	329	328	C	-
2022-017Y	Starlink-3631	25 February 2022	AFWTR	91.1	53.22	329	328	C	-
2022-017Z	Starlink-3602	25 February 2022	AFWTR	91.1	53.22	329	328	C	-
2022-017AA	Starlink-3626	25 February 2022	AFWTR	91.09	53.22	329	327	C	-
2022-017AB	Starlink-3633	25 February 2022	AFWTR	91.1	53.22	329	328	C	-
2022-017AC	Starlink-3573	25 February 2022	AFWTR	91.09	53.22	329	327	C	-
2022-017AD	Starlink-3586	25 February 2022	AFWTR	91.09	53.22	329	327	C	-
2022-017AE	Starlink-3630	25 February 2022	AFWTR	91.09	53.22	329	327	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)		
2022-017AF	Starlink-3627	25 February 2022	AFWTR	91.1	53.22	329	328	C	-
2022-017AG	Starlink-3634	25 February 2022	AFWTR	91.09	53.22	329	327	C	-
2022-017AH	Starlink-3637	25 February 2022	AFWTR	91.09	53.22	329	327	C	-
2022-017AJ	Starlink-3600	25 February 2022	AFWTR	91.08	53.22	328	327	C	-
2022-017AK	Starlink-3592	25 February 2022	AFWTR	91.09	53.22	329	327	C	-
2022-017AL	Starlink-3557	25 February 2022	AFWTR	91.08	53.22	328	327	C	-
2022-017AM	Starlink-3544	25 February 2022	AFWTR	91.08	53.22	329	327	C	-
2022-017AN	Starlink-3601	25 February 2022	AFWTR	91.06	53.22	327	326	C	-
2022-017AP	Starlink-3605	25 February 2022	AFWTR	91.08	53.22	329	327	C	-
2022-017AQ	Starlink-3581	25 February 2022	AFWTR	91.08	53.22	328	326	C	-
2022-017AR	Starlink-3606	25 February 2022	AFWTR	91.08	53.22	328	327	C	-
2022-017AS	Starlink-3609	25 February 2022	AFWTR	91.07	53.22	328	326	C	-
2022-017AT	Starlink-3607	25 February 2022	AFWTR	91.08	53.22	328	327	C	-
2022-017AU	Starlink-3613	25 February 2022	AFWTR	91.07	53.22	328	326	C	-
2022-017AV	Starlink-3569	25 February 2022	AFWTR	91.07	53.22	328	326	C	-
2022-017AW	Starlink-3610	25 February 2022	AFWTR	91.07	53.22	328	326	C	-
2022-017AX	Starlink-3552	25 February 2022	AFWTR	91.07	53.22	328	326	C	-
2022-017AY	Starlink-3599	25 February 2022	AFWTR	91.06	53.22	328	326	C	-
2022-017AZ	Starlink-3604	25 February 2022	AFWTR	91.07	53.22	328	326	C	-
2022-017BA	Starlink-3603	25 February 2022	AFWTR	91.06	53.22	328	326	C	-
2022-017BB	Starlink-3596	25 February 2022	AFWTR	90.67	53.22	313	302	C	-

The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 28 February 2022:

None.

The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 28 February 2022:

2022-015B	Antares R/B	19 February 2022	WLPIS	87.1	51.6	141	121	D	25 February 2022
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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 28 February 2022:

2020-057AC	-	-	-	-	-	-	-	-	4 February 2022
2021-041H	-	-	-	-	-	-	-	-	4 February 2022
2017-014B	-	-	-	-	-	-	-	-	6 February 2022
1998-067RC	-	-	-	-	-	-	-	-	7 February 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)		
2020-062BF	-	-	-	-	-	-	-	-	9 February 2022
2020-070E	-	-	-	-	-	-	-	-	10 February 2022
2019-074BJ	-	-	-	-	-	-	-	-	11 February 2022
2017-071L	-	-	-	-	-	-	-	-	12 February 2022
2019-036AB	-	-	-	-	-	-	-	-	12 February 2022
2017-071E	-	-	-	-	-	-	-	-	14 February 2022
2017-071Q	-	-	-	-	-	-	-	-	15 February 2022
2020-025U	-	-	-	-	-	-	-	-	16 February 2022
2017-071P	-	-	-	-	-	-	-	-	23 February 2022
2017-071M	-	-	-	-	-	-	-	-	28 February 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; WLPIS, Wallops Island, United States.

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