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

Note verbale dated 25 September 2024 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 July 2024 (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 the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 8 October 2024.



Annex

Registration data on space launches by the United States of America for July 2024*

The following report supplements the registration data on United States space launches as at 31 July 2024.

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 July 2024:									
2024-124A	Starlink-11168	3 July 2024	AFETR	91.32	53.16	340	338	C	-
2024-124B	Starlink-11187	3 July 2024	AFETR	91.33	53.16	340	339	C	-
2024-124C	Starlink-11180	3 July 2024	AFETR	91.33	53.16	341	339	C	-
2024-124D	Starlink-11197	3 July 2024	AFETR	91.32	53.16	340	339	C	-
2024-124E	Starlink-11194	3 July 2024	AFETR	91.33	53.16	340	340	C	-
2024-124F	Starlink-11189	3 July 2024	AFETR	91.74	53.16	360	359	C	-
2024-124G	Starlink-11183	3 July 2024	AFETR	91.73	53.16	360	359	C	-
2024-124H	Starlink-11179	3 July 2024	AFETR	91.73	53.16	361	359	C	-
2024-124J	Starlink-11175	3 July 2024	AFETR	91.73	53.16	360	359	C	-
2024-124K	Starlink-11173	3 July 2024	AFETR	91.74	53.16	360	360	C	-
2024-124L	Starlink-11172	3 July 2024	AFETR	91.74	53.16	361	359	C	-
2024-124M	Starlink-11152	3 July 2024	AFETR	91.73	53.16	360	359	C	-
2024-124N	Starlink-11193	3 July 2024	AFETR	91.74	53.16	361	359	C	-
2024-124P	Starlink-31869	3 July 2024	AFETR	93.53	53.16	448	447	C	-
2024-124Q	Starlink-32023	3 July 2024	AFETR	93.53	53.16	448	446	C	-
2024-124R	Starlink-32046	3 July 2024	AFETR	93.53	53.16	448	446	C	-
2024-124S	Starlink-32049	3 July 2024	AFETR	93.53	53.16	448	446	C	-
2024-124T	Starlink-32002	3 July 2024	AFETR	93.53	53.16	448	446	C	-
2024-124U	Starlink-32020	3 July 2024	AFETR	93.53	53.16	447	447	C	-
2024-124V	Starlink-32041	3 July 2024	AFETR	93.52	53.16	448	446	C	-
2024-125H	Firefly Alpha R/B	4 July 2024	AFWTR	94.26	97.31	519	447	D	-

* 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)		
2024-127B	Falcon 9 R/B	8 July 2024	AFETR	1 386.29	24.07	69 233	379	D	-
2024-125J	CatSat	4 July 2024	AFWTR	94.75	97.3	543	469	C	-
2024-131A	Starlink-32138	27 July 2024	AFETR	91.97	53.16	372	370	C	-
2024-131B	Starlink-32212	27 July 2024	AFETR	91.96	53.16	371	370	C	-
2024-131C	Starlink-32166	27 July 2024	AFETR	91.95	53.16	371	369	C	-
2024-131D	Starlink-32200	27 July 2024	AFETR	91.95	53.16	371	369	C	-
2024-131E	Starlink-32207	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131F	Starlink-32125	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131G	Starlink-32160	27 July 2024	AFETR	91.95	53.16	371	369	C	-
2024-131H	Starlink-32163	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131J	Starlink-32148	27 July 2024	AFETR	91.95	53.16	371	369	C	-
2024-131K	Starlink-32121	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131L	Starlink-32120	27 July 2024	AFETR	91.96	53.16	372	369	C	-
2024-131M	Starlink-32205	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131N	Starlink-32158	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131P	Starlink-32167	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131Q	Starlink-32144	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131R	Starlink-32211	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131S	Starlink-32164	27 July 2024	AFETR	91.97	53.16	372	370	C	-
2024-131T	Starlink-32128	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131U	Starlink-32206	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131V	Starlink-32155	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131W	Starlink-32152	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131X	Starlink-32154	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-131Y	Starlink-32135	27 July 2024	AFETR	91.95	53.16	371	370	C	-
2024-132A	Starlink-32156	28 July 2024	AFETR	92.09	53.16	378	376	C	-
2024-132B	Starlink-32010	28 July 2024	AFETR	92.09	53.16	378	377	C	-
2024-132C	Starlink-32118	28 July 2024	AFETR	92.0					

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)		
2024-132E	Starlink-32113	28 July 2024	AFETR	92.09	53.16	378	376	C	-
2024-132F	Starlink-32037	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132G	Starlink-32123	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132H	Starlink-32122	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132J	Starlink-31656	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132K	Starlink-32114	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132L	Starlink-31997	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132M	Starlink-32000	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132N	Starlink-32141	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132P	Starlink-32142	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132Q	Starlink-32149	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132R	Starlink-32159	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132S	Starlink-32150	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132T	Starlink-32126	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132U	Starlink-32143	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132V	Starlink-32034	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132W	Starlink-32124	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132X	Starlink-32151	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-132Y	Starlink-32134	28 July 2024	AFETR	92.1	53.16	378	377	C	-
2024-133A	Starlink-11147	28 July 2024	AFWTR	91.32	53.17	340	339	C	-
2024-133B	Starlink-11128	28 July 2024	AFWTR	91.33	53.16	341	339	C	-
2024-133C	Starlink-11227	28 July 2024	AFWTR	91.33	53.16	341	339	C	-
2024-133D	Starlink-11224	28 July 2024	AFWTR	91.34	53.16	341	339	C	-
2024-133E	Starlink-11115	28 July 2024	AFWTR	91.34	53.16	341	339	C	-
2024-133F	Starlink-11109	28 July 2024	AFWTR	91.25	53.16	336	335	C	-
2024-133G	Starlink-11223	28 July 2024	AFWTR	90.94	53.16	321	320	C	-
2024-133H	Starlink-11192	28 July 2024	AFWTR	90.85	53.16	317	316		

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)		
2024-133L	Starlink-11208	28 July 2024	AFWTR	90.89	53.16	319	318	C	-
2024-133M	Starlink-11206	28 July 2024	AFWTR	90.85	53.16	316	316	C	-
2024-133N	Starlink-11205	28 July 2024	AFWTR	90.73	53.16	311	310	C	-
2024-133P	Starlink-32191	28 July 2024	AFWTR	90.75	53.16	311	311	C	-
2024-133Q	Starlink-32194	28 July 2024	AFWTR	90.84	53.16	316	316	C	-
2024-133R	Starlink-32192	28 July 2024	AFWTR	90.74	53.16	311	311	C	-
2024-133S	Starlink-32189	28 July 2024	AFWTR	90.82	53.16	315	314	C	-
2024-133T	Starlink-32190	28 July 2024	AFWTR	90.85	53.16	316	316	C	-
2024-133U	Starlink-32182	28 July 2024	AFWTR	90.85	53.16	316	316	C	-
2024-133V	Starlink-32199	28 July 2024	AFWTR	90.85	53.16	316	316	C	-
2024-133W	Starlink-32198	28 July 2024	AFWTR	90.85	53.16	316	316	C	-
2024-134A	USA 396	30 July 2024	AFETR	659.34	26.86	37 240	192	C	-
2024-134B	USA 397	30 July 2024	AFETR	659.34	26.86	37 240	192	C	-
2024-134C	USA 398	30 July 2024	AFETR	659.34	26.86	37 240	192	C	-
2024-134D	Atlas 5 Centaur R/B	30 July 2024	AFETR	659.34	26.86	37 240	192	D	-

The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 31 July 2024:

None.

The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 31 July 2024:

2024-129A	Starlink-11214	12 July 2024	AFWTR	87.23	53.29	140	134	C	-
2024-129B	Starlink-11202	12 July 2024	AFWTR	87.23	53.11	145	129	C	-

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 July 2024:

2020-057BB	-	-	-	-	-	-	-	-	4 July 2024
2021-017Y	-	-	-	-	-	-	-	-	4 July 2024
2022-005U	-	-	-	-	-	-	-	-	4 July 2024
2021-059BQ	-	-	-	-	-	-	-	-	5 July 2024
2020-035AA	-	-	-	-	-	-	-	-	6 July 2024
2024-113P	-	-	-	-	-	-	-	-	8 July 2024

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)		
2024-113S	-	-	-	-	-	-	-	-	10 July 2024
2021-005AZ	-	-	-	-	-	-	-	-	11 July 2024
2024-113V	-	-	-	-	-	-	-	-	12 July 2024
2019-038X	-	-	-	-	-	-	-	-	13 July 2024
2022-003B	-	-	-	-	-	-	-	-	13 July 2024
2024-021A	-	-	-	-	-	-	-	-	13 July 2024
2024-113Q	-	-	-	-	-	-	-	-	13 July 2024
2024-113R	-	-	-	-	-	-	-	-	13 July 2024
2024-113T	-	-	-	-	-	-	-	-	14 July 2024
2021-027M	-	-	-	-	-	-	-	-	17 July 2024
2016-062E	-	-	-	-	-	-	-	-	18 July 2024
2020-088BM	-	-	-	-	-	-	-	-	18 July 2024
2018-088A	-	-	-	-	-	-	-	-	20 July 2024
2020-025AV	-	-	-	-	-	-	-	-	20 July 2024
2021-044Z	-	-	-	-	-	-	-	-	21 July 2024
2022-002BP	-	-	-	-	-	-	-	-	21 July 2024
1969-082BV	-	-	-	-	-	-	-	-	22 July 2024
2021-036AH	-	-	-	-	-	-	-	-	22 July 2024
2022-017AF	-	-	-	-	-	-	-	-	23 July 2024
2023-056T	-	-	-	-	-	-	-	-	23 July 2024
2023-026N	-	-	-	-	-	-	-	-	24 July 2024
2022-001H	-	-	-	-	-	-	-	-	25 July 2024
2023-026G	-	-	-	-	-	-	-	-	25 July 2024
2023-026L	-	-	-	-	-	-	-	-	25 July 2024
2023-026T	-	-	-	-	-	-	-	-	25 July 2024
2023-026U	-	-	-	-	-	-	-	-	25 July 2024
2021-005W	-	-	-	-	-	-	-	-	26 July 2024
2021-059Y	-	-	-	-	-	-	-	-	26 July 2024
2020-001L	-	-	-	-	-	-	-	-	27 July 2024

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)		
2020-019U	-	-	-	-	-	-	-	-	27 July 2024
2021-017R	-	-	-	-	-	-	-	-	27 July 2024
2021-018BM	-	-	-	-	-	-	-	-	27 July 2024
2022-005R	-	-	-	-	-	-	-	-	27 July 2024
2023-026A	-	-	-	-	-	-	-	-	27 July 2024
2023-026E	-	-	-	-	-	-	-	-	27 July 2024
2020-035AT	-	-	-	-	-	-	-	-	28 July 2024
2020-006BK	-	-	-	-	-	-	-	-	30 July 2024

The following objects were not previously reported and were no longer in orbit as at 2359Z on 31 July 2024:

None.

The following objects were deployed on a non-Earth celestial body:

None.

Additional information:

None.

Abbreviations and key

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

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 or outer space
- 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