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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 25 June 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 April 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 29 June 2021.



Annex

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

The following report supplements the registration data on United States space launches as at 30 April 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 30 April 2021:									
2021-027A	Starlink-2048	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027B	Starlink-2404	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027C	Starlink-2412	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027D	Starlink-2414	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027E	Starlink-2417	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027F	Starlink-2418	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027G	Starlink-2421	7 April 2021	AFETR	91.53	53.05	350	349	C	-
2021-027H	Starlink-2428	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027J	Starlink-2430	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027K	Starlink-2436	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027L	Starlink-2437	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027M	Starlink-2438	7 April 2021	AFETR	91.53	53.05	350	349	C	-
2021-027N	Starlink-2439	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027P	Starlink-2440	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027Q	Starlink-2442	7 April 2021	AFETR	91.53	53.05	350	349	C	-
2021-027R	Starlink-2443	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027S	Starlink-2444	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027T	Starlink-2445	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027U	Starlink-2447	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027V	Starlink-2448	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027W	Starlink-2449	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027X	Starlink-2450	7 April 2021	AFETR	91.53	53.05	351	348	C	-

* 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>Date of decay</i>
				<i>Nodal period (minutes)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>		
2021-027Y	Starlink-2451	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027Z	Starlink-2452	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AA	Starlink-2454	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AB	Starlink-2455	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AC	Starlink-2458	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AD	Starlink-2459	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AE	Starlink-2460	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AF	Starlink-2462	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AG	Starlink-2463	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AH	Starlink-2464	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AJ	Starlink-2465	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AK	Starlink-2466	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AL	Starlink-2467	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AM	Starlink-2468	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AN	Starlink-2469	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AP	Starlink-2471	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AQ	Starlink-2472	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AR	Starlink-2473	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AS	Starlink-2474	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AT	Starlink-2475	7 April 2021	AFETR	91.53	53.05	350	349	C	-
2021-027AU	Starlink-2476	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AV	Starlink-2478	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AW	Starlink-2479	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AX	Starlink-2480	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027AY	Starlink-2481	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027AZ	Starlink-2482	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027BA	Starlink-2483	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027BB	Starlink-2484	7 April 2021	AFETR	91.53	53.05	350	348	C	-
2021-027BC	Starlink-2485	7 April 2021	AFETR	91.53	53.05	351	349	C	-

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				<i>Nodal period (minutes)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>		
2021-027BD	Starlink-2486	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027BE	Starlink-2487	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027BF	Starlink-2488	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027BG	Starlink-2489	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027BH	Starlink-2490	7 April 2021	AFETR	91.53	53.05	351	348	C	-
2021-027BJ	Starlink-2491	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027BK	Starlink-2492	7 April 2021	AFETR	91.53	53.05	351	349	C	-
2021-027BL	Starlink-2493	7 April 2021	AFETR	91.53	53.05	350	349	C	-
2021-027BM	Starlink-2503	7 April 2021	AFETR	91.53	53.05	350	348	C	-
2021-030A	Dragon Endeavour 2	23 April 2021	AFETR	92.97	51.64	422	418	E	-
2021-032A	USA 314	26 April 2021	AFWTR	97.6	98	763	526	C	-
2021-036A	Starlink-2567	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036B	Starlink-2569	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036C	Starlink-2543	29 April 2021	AFETR	91.04	53.05	328	324	C	-
2021-036D	Starlink-2580	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036E	Starlink-2565	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036F	Starlink-2520	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036G	Starlink-2558	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036H	Starlink-2516	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036J	Starlink-2564	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036K	Starlink-2548	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036L	Starlink-2547	29 April 2021	AFETR	91.04	53.05	326	325	C	-
2021-036M	Starlink-2566	29 April 2021	AFETR	91.03	53.05	326	325	C	-
2021-036N	Starlink-2562	29 April 2021	AFETR	91.03	53.05	326	325	C	-
2021-036P	Starlink-2545	29 April 2021	AFETR	91.03	53.05	326	325	C	-
2021-036Q	Starlink-2540	29 April 2021	AFETR	91.03	53.05	326	325	C	-
2021-036R	Starlink-2555	29 April 2021	AFETR	91.03	53.05	326	325	C	-
2021-036S	Starlink-2542	29 April 2021	AFETR	91.03	53.05	326	324	C	-
2021-036T	Starlink-2550	29 April 2021	AFETR	91.03	53.05	326	324	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>		
2021-036U	Starlink-2533	29 April 2021	AFETR	91.03	53.05	326	324	C	-
2021-036V	Starlink-2535	29 April 2021	AFETR	91.03	53.05	326	324	C	-
2021-036W	Starlink-2546	29 April 2021	AFETR	91.03	53.05	325	325	C	-
2021-036X	Starlink-2544	29 April 2021	AFETR	91.03	53.05	326	324	C	-
2021-036Y	Starlink-2559	29 April 2021	AFETR	91.03	53.05	326	324	C	-
2021-036Z	Starlink-2557	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AA	Starlink-2538	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AB	Starlink-2537	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AC	Starlink-2556	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AD	Starlink-2530	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AE	Starlink-2524	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AF	Starlink-2519	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AG	Starlink-2523	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AH	Starlink-2528	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AJ	Starlink-2532	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AK	Starlink-2517	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AL	Starlink-2536	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AM	Starlink-2534	29 April 2021	AFETR	91.02	53.05	325	324	C	-
2021-036AN	Starlink-2061	29 April 2021	AFETR	91.01	53.05	325	324	C	-
2021-036AP	Starlink-2541	29 April 2021	AFETR	91.01	53.05	325	324	C	-
2021-036AQ	Starlink-2549	29 April 2021	AFETR	91.01	53.05	325	324	C	-
2021-036AR	Starlink-2506	29 April 2021	AFETR	91.01	53.05	325	324	C	-
2021-036AS	Starlink-2507	29 April 2021	AFETR	91.01	53.05	325	324	C	-
2021-036AT	Starlink-2513	29 April 2021	AFETR	91.01	53.05	325	323	C	-
2021-036AU	Starlink-2509	29 April 2021	AFETR	91.01	53.05	325	323	C	-
2021-036AV	Starlink-2512	29 April 2021	AFETR	91.01	53.05	325	323	C	-
2021-036AW	Starlink-2029	29 April 2021	AFETR	91.01	53.05	325	323	C	-
2021-036AX	Starlink-2457	29 April 2021	AFETR	91.01	53.05	325	323	C	-
2021-036AY	Starlink-2477	29 April 2021	AFETR	91.01	53.05	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)		
2021-036AZ	Starlink-2515	29 April 2021	AFETR	91.01	53.05	325	323	C	-
2021-036BA	Starlink-2527	29 April 2021	AFETR	91.01	53.05	325	324	C	-
2021-036BB	Starlink-2495	29 April 2021	AFETR	91.00	53.05	324	323	C	-
2021-036BC	Starlink-2498	29 April 2021	AFETR	90.97	53.05	323	321	C	-
2021-036BD	Starlink-2502	29 April 2021	AFETR	90.97	53.05	323	321	C	-
2021-036BE	Starlink-2504	29 April 2021	AFETR	90.96	53.05	323	321	C	-
2021-036BF	Starlink-2510	29 April 2021	AFETR	90.96	53.05	323	321	C	-
2021-036BG	Starlink-2501	29 April 2021	AFETR	90.96	53.05	322	321	C	-
2021-036BH	Starlink-2514	29 April 2021	AFETR	90.96	53.05	322	321	C	-
2021-036BJ	Starlink-2511	29 April 2021	AFETR	90.96	53.05	322	321	C	-
2021-036BK	Starlink-2518	29 April 2021	AFETR	90.96	53.05	322	321	C	-
2021-036BL	Starlink-2470	29 April 2021	AFETR	90.96	53.05	326	318	C	-
2021-036BM	Starlink-2441	29 April 2021	AFETR	90.96	53.05	322	321	C	-

The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 30 April 2021:

2021-023A	Veerly-RL1	22 March 2021	RLLC	95.61	45	556	540	C	-
2021-023E	Gunsmoke-J1	22 March 2021	RLLC	95.66	45.01	557	544	C	-

The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 30 April 2021:

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 2021:

1998-067PB	RADSAT-G	-	-	-	-	-	-	-	5 April 2021
1998-067PC	MEMSAT	-	-	-	-	-	-	-	27 September 2020

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 30 April 2021:

1980-019G	-	-	-	-	-	-	-	-	2 April 2021
1998-067PV	-	-	-	-	-	-	-	-	13 April 2021
1998-067PZ	-	-	-	-	-	-	-	-	13 April 2021
2019-029F	-	-	-	-	-	-	-	-	10 April 2021

<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>		
2019-029BG	-	-	-	-	-	-	-	-	18 April 2021
2019-037G	-	-	-	-	-	-	-	-	26 April 2021
2019-074AP	-	-	-	-	-	-	-	-	23 April 2021
2020-088BG	-	-	-	-	-	-	-	-	17 April 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; AFWTR, United States Air Force Western Test Range; RLLC, Rocket Lab Launch Complex, Mahia Peninsula, New Zealand.

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