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

Note verbale dated 23 November 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 September 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 30 November 2022.



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

The following report supplements the registration data on United States space launches as at 30 September 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 30 September 2022:									
2022-107A	Starlink-4725	5 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-107B	Starlink-4711	5 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-107C	Starlink-4724	5 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-107D	Starlink-4731	5 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-107E	Starlink-4714	5 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-107F	Starlink-4717	5 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-107G	Starlink-4716	5 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-107H	Starlink-4667	5 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-107J	Starlink-4694	5 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-107K	Starlink-4685	5 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-107L	Starlink-4696	5 September 2022	AFETR	89.49	53.21	255	243	C	-
2022-107M	Starlink-4627	5 September 2022	AFETR	91.54	53.21	351	349	C	-
2022-107N	Starlink-4683	5 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-107P	Starlink-4698	5 September 2022	AFETR	91.52	53.22	350	348	C	-
2022-107Q	Starlink-4688	5 September 2022	AFETR	91.52	53.22	350	348	C	-
2022-107R	Starlink-4686	5 September 2022	AFETR	91.52	53.22	350	348	C	-
2022-107S	Starlink-4699	5 September 2022	AFETR	91.52	53.22	350	348	C	-
2022-107T	Starlink-4702	5 September 2022	AFETR	89.14	53.2	239	225	C	-
2022-107U	Starlink-4695	5 September 2022	AFETR	91.52	53.22	350	348	C	-
2022-107V	Starlink-4644	5 September 2022	AFETR	91.53	53.22	351	348	C	-
2022-107W	Starlink-4642	5 September 2022	AFETR	91.52	53.22	350	349	C	-
2022-107X	Starlink-4707	5 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-107Y	Starlink-4700	5 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-107Z	Starlink-4705	5 September 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)		
2022-107AA	Starlink-4663	5 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-107AB	Starlink-4704	5 September 2022	AFETR	89.8	53.21	271	258	C	-
2022-107AC	Starlink-4697	5 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-107AD	Starlink-4701	5 September 2022	AFETR	91.56	53.22	352	350	C	-
2022-107AE	Starlink-4640	5 September 2022	AFETR	91.57	53.22	352	350	C	-
2022-107AF	Starlink-4651	5 September 2022	AFETR	91.54	53.22	351	349	C	-
2022-107AG	Starlink-4641	5 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-107AH	Starlink-4636	5 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-107AJ	Starlink-4661	5 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-107AK	Starlink-4574	5 September 2022	AFETR	91.54	53.22	351	349	C	-
2022-107AL	Starlink-4616	5 September 2022	AFETR	91.52	53.22	350	348	C	-
2022-107AM	Starlink-4618	5 September 2022	AFETR	94.47	53.22	494	492	C	-
2022-107AN	Starlink-4652	5 September 2022	AFETR	91.54	53.22	351	349	C	-
2022-107AP	Starlink-4646	5 September 2022	AFETR	94.5	53.22	495	493	C	-
2022-107AQ	Starlink-4662	5 September 2022	AFETR	94.45	53.22	493	491	C	-
2022-107AR	Starlink-4613	5 September 2022	AFETR	86.92	53.19	126	118	C	-
2022-107AS	Starlink-4607	5 September 2022	AFETR	94.52	53.22	496	494	C	-
2022-107AT	Starlink-4614	5 September 2022	AFETR	91.92	53.21	370	367	C	-
2022-107AU	Starlink-4637	5 September 2022	AFETR	94.54	53.22	497	495	C	-
2022-107AV	Starlink-4645	5 September 2022	AFETR	94.62	53.22	501	499	C	-
2022-107AW	Starlink-4670	5 September 2022	AFETR	94.56	53.22	498	496	C	-
2022-107AX	Starlink-4656	5 September 2022	AFETR	94.64	53.22	502	500	C	-
2022-107AY	Starlink-4589	5 September 2022	AFETR	94.6	53.22	500	498	C	-
2022-107AZ	Starlink-4657	5 September 2022	AFETR	87.79	53.2	170	161	C	-
2022-107BA	Starlink-4669	5 September 2022	AFETR	94.66	53.22	503	501	C	-
2022-107BB	Starlink-4680	5 September 2022	AFETR	94.68	53.22	504	502	C	-
2022-107BC	Starlink-4612	5 September 2022	AFETR	94.7	53.22	505	503	C	-
2022-107BG	Sherpa-LTC2	5 September 2022	AFETR	91.16	53.22	341	321	A, C	-
1998-067UF	BeaverCube	6 September 2022	ISS	92.66	51.64	406	404	C	-
1998-067UG	CLICK-A	6 September 2022	ISS	92.72	51.64	408	407	A	-
2022-111A	Starlink-4718	11 September 2022	AFETR	93.49	53.22	446	445	C	-
2022-111AA	Starlink-4723	11 September 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)		
2022-111AB	Starlink-4712	11 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-111AC	Starlink-4710	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111AD	Starlink-4720	11 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-111AE	Starlink-4715	11 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-111AF	Starlink-4726	11 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-111AG	Starlink-4727	11 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-111AH	Starlink-4729	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111AJ	Starlink-4763	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111AK	Starlink-4768	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111B	Starlink-4719	11 September 2022	AFETR	93.47	53.22	445	444	C	-
2022-111C	Starlink-4722	11 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-111D	Starlink-4708	11 September 2022	AFETR	92.02	53.22	374	373	C	-
2022-111E	Starlink-4664	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111F	Starlink-4709	11 September 2022	AFETR	92.01	53.22	374	373	C	-
2022-111G	Starlink-4706	11 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-111H	Starlink-4678	11 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-111J	Starlink-4462	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111K	Starlink-4679	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111L	Starlink-4536	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111M	Starlink-4687	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111N	Starlink-4638	11 September 2022	AFETR	90.94	53.2	327	315	C	-
2022-111P	Starlink-4631	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111Q	Starlink-4743	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111R	Starlink-4744	11 September 2022	AFETR	90.91	53.2	325	313	C	-
2022-111S	Starlink-4666	11 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-111T	Starlink-4734	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111U	Starlink-4736	11 September 2022	AFETR	90.87	53.2	322	313	C	-
2022-111V	Starlink-4739	11 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-111W	Starlink-4728	11 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-111X	Starlink-4730	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111Y	Starlink-4742	11 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-111Z	Starlink-4721	11 September 2022	AFETR	91.54	53.2	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)		
2022-114A	Starlink-4749	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114B	Starlink-4738	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114C	Starlink-4758	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114D	Starlink-4752	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114E	Starlink-4713	19 September 2022	AFETR	87.92	53.19	195	149	C	-
2022-114F	Starlink-4748	19 September 2022	AFETR	91.54	53.22	351	349	C	-
2022-114G	Starlink-4757	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114H	Starlink-4751	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114J	Starlink-4756	19 September 2022	AFETR	91.54	53.21	351	349	C	-
2022-114K	Starlink-4764	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114L	Starlink-4760	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114M	Starlink-4759	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114N	Starlink-4761	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114P	Starlink-4649	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114Q	Starlink-4747	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114R	Starlink-4771	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114S	Starlink-4737	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114T	Starlink-4783	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114U	Starlink-4778	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114V	Starlink-4776	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114W	Starlink-4773	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114X	Starlink-4784	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114Y	Starlink-4766	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114Z	Starlink-4750	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AA	Starlink-4754	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114AB	Starlink-4769	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114AC	Starlink-4745	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AD	Starlink-4753	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114AE	Starlink-4746	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114AF	Starlink-4777	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AG	Starlink-4780	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AH	Starlink-4770	19 September 2022	AFETR	91.53	53.22	350	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)		
2022-114AJ	Starlink-4767	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AK	Starlink-4755	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AL	Starlink-4797	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AM	Starlink-4794	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114AN	Starlink-4800	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114AP	Starlink-4703	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114AQ	Starlink-4795	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114AR	Starlink-4809	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114AS	Starlink-4798	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114AT	Starlink-4790	19 September 2022	AFETR	91.54	53.21	351	349	C	-
2022-114AU	Starlink-4799	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114AV	Starlink-4781	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AW	Starlink-4792	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114AX	Starlink-4788	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-114AY	Starlink-4779	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114AZ	Starlink-4785	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114BA	Starlink-4762	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114BB	Starlink-4793	19 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-114BC	Starlink-4789	19 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-114BD	Starlink-4810	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114BE	Starlink-4732	19 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-114BF	Starlink-4740	19 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-117A	USA 338	24 September 2022	AFWTR	92.17	73.58	408	354	C	-
2022-119A	Starlink-5028	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119B	Starlink-5029	24 September 2022	AFETR	91.53	53.21	350	349	C	-
2022-119C	Starlink-5034	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119D	Starlink-5031	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119E	Starlink-5050	24 September 2022	AFETR	91.17	53.22	333	332	C	-
2022-119F	Starlink-5041	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119G	Starlink-5046	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119H	Starlink-5052	24 September 2022	AFETR	91.53	53.21	351	349	C	-
2022-119J	Starlink-5043	24 September 2022	AFETR	91.53	53.21	350	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)		
2022-119K	Starlink-5032	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119L	Starlink-5037	24 September 2022	AFETR	91.53	53.22	351	348	C	-
2022-119M	Starlink-5035	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119N	Starlink-5044	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119P	Starlink-5042	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119Q	Starlink-5045	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119R	Starlink-5024	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119S	Starlink-5021	24 September 2022	AFETR	91.54	53.22	351	349	C	-
2022-119T	Starlink-5022	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119U	Starlink-4787	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119V	Starlink-5003	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119W	Starlink-5054	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119X	Starlink-5063	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119Y	Starlink-5057	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119Z	Starlink-4796	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AA	Starlink-5056	24 September 2022	AFETR	91.54	53.22	351	349	C	-
2022-119AB	Starlink-5048	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AC	Starlink-5059	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119AD	Starlink-5053	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119AE	Starlink-5040	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AF	Starlink-5017	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AG	Starlink-5051	24 September 2022	AFETR	91.54	53.22	351	349	C	-
2022-119AH	Starlink-5036	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AJ	Starlink-5012	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AK	Starlink-5023	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AL	Starlink-5025	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AM	Starlink-5005	24 September 2022	AFETR	89.42	53.22	265	226	C	-
2022-119AN	Starlink-5002	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119AP	Starlink-5004	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AQ	Starlink-5001	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119AR	Starlink-5011	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119AS	Starlink-5014	24 September 2022	AFETR	91.53	53.22	350	349	C	-

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				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2022-119AT	Starlink-5008	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AU	Starlink-5009	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AV	Starlink-5018	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119AW	Starlink-5010	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119AX	Starlink-5015	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119AY	Starlink-4772	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119AZ	Starlink-4782	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119BA	Starlink-4775	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119BB	Starlink-5000	24 September 2022	AFETR	91.53	53.22	350	349	C	-
2022-119BC	Starlink-4791	24 September 2022	AFETR	91.53	53.22	351	349	C	-
2022-119BD	Starlink-4765	24 September 2022	AFETR	91.53	53.22	350	349	C	-

The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 30 September 2022:

2022-074H	Gunsmoke-L	2 July 2022	WRAS	94.43	45	493	489	A	-
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The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 30 September 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 30 September 2022:

1985-021F	-	-	-	-	-	-	-	-	1 September 2022
2017-042BT	-	-	-	-	-	-	-	-	2 September 2022
2018-004AG	-	-	-	-	-	-	-	-	6 September 2022
1972-058X									7 September 2022
1975-052GY	-	-	-	-	-	-	-	-	9 September 2022
2020-025C	-	-	-	-	-	-	-	-	11 September 2022
2017-071N	-	-	-	-	-	-	-	-	12 September 2022
2022-104AD	-	-	-	-	-	-	-	-	14 September 2022
2022-104AC	-	-	-	-	-	-	-	-	15 September 2022
2018-070E	-	-	-	-	-	-	-	-	17 September 2022
2021-005A	-	-	-	-	-	-	-	-	17 September 2022
1998-067RH	-	-	-	-	-	-	-	-	18 September 2022
1998-067SV	-	-	-	-	-	-	-	-	18 September 2022
2021-042C	-	-	-	-	-	-	-	-	18 September 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)		
2017-042BB	-	-	-	-	-	-	-	-	19 September 2022
2021-110A	-	-	-	-	-	-	-	-	26 September 2022
2021-042B	-	-	-	-	-	-	-	-	27 September 2022
2020-022A	-	-	-	-	-	-	-	-	28 September 2022
2019-071K	-	-	-	-	-	-	-	-	29 September 2022

The following objects were not previously reported and were no longer in orbit as at 2359Z on 30 September 2022:

None

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; WRAS, United States Western Range Airspace.

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