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

Note verbale dated 9 July 2024 from the Permanent Mission of New Zealand to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of New Zealand 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 herewith information concerning objects launched into outer space by New Zealand during the period from April to June 2024 (see annex).¹

¹ The data on the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 15 July 2024.



Annex

Information on space objects launched by New Zealand, including from New Zealand territory, as well as from outside New Zealand territory on the basis of overseas payload permits authorized by New Zealand, during the period from 1 April 2024 to 30 June 2024^{*,}**

I. Objects registered by New Zealand

A. Objects launched by New Zealand during the period from 1 April 2024 to 30 June 2024

International designator	National designator	Name	Date of the launch (UTC)	Other launching States	Basic orbital parameters				General function of the space object	Additional voluntary information		
					Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		Owner or operator	Launch vehicle	Website
2024-077C	NZ-2024-016	Electron R/B	23 April 2024	United States of America	87.7	97.37	193	128	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2024-077D	NZ-2024-015	Electron Kick Stage R/B	23 April 2024	United States	99.45	97.39	1 004	461	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2024-099B	NZ-2024-019	Electron R/B	25 May 2024	United States	87.47	97.45	167	131	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2024-099C	NZ-2024-018	Electron Kick Stage R/B	25 May 2024	United States	94.38	97.5	521	455	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2024-108B	NZ-2024-022	Electron R/B	5 June 2024	United States	87.39	97.48	165	125	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2024-108C	NZ-2024-021	Electron Kick Stage R/B	5 June 2024	United States	94.37	97.44	523	453	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2024-114B	NZ-2024-029	Electron R/B	20 June 2024	United States	91.82	98.03	534	193	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2024-114G	NZ-2024-028	Electron Kick Stage R/B	20 June 2024	United States	96.1	98.03	636	508	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com

B. Objects launched outside New Zealand territory, on the basis of overseas payload permits authorized by New Zealand, during the period from 1 April 2024 to 30 June 2024

International designator	National designator	Name	Date and time of the launch (UTC)	State of registry	Other launching States	Basic orbital parameters				General function of the space object	Additional voluntary information		
						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		Payload owner or operator	Launch vehicle	Website
None													

* The registration data are reproduced in the form in which they were received.

** As identified on www.space-track.org.

C. Objects no longer in orbit

International designator	National designator	Name	Date of the launch (UTC)	General function of the space object	Date of re-entry (UTC)
2024-077C	NZ-2024-016	Electron R/B	23 April 2024	Rocket body	29 April 2024
2022-020B	NZ-2022-002	Electron Kick Stage R/B	28 February 2022	Rocket body	21 May 2024
2024-099B	NZ-2024-019	Electron R/B	25 May 2024	Rocket body	10 June 2024
2024-108B	NZ-2024-022	Electron R/B	5 June 2024	Rocket body	18 June 2024

D. Objects identified in a previous report that remain in orbit but are no longer operational

International designator	National designator	Name	Date of the launch (UTC)	General function of the space object	Date when space object was no longer functional (UTC)
None					

E. Objects identified in a previous report that have been moved to a disposal orbit

International designator	National designator	Name	Date of the launch (UTC)	General function of the space object	Geostationary position (degrees East)	Date when space object was moved to a disposal orbit	Physical conditions when space object was moved to a disposal orbit (change in orbit, passivation and other measures recommended in space debris mitigation guidelines)
None							

F. Objects the registration or ownership of which has been transferred from New Zealand to another country

International designator	National designator	Name	Date of change in supervision (UTC)	Identity of the previous owner or operator	Identity of the new owner or operator	Previous orbital position	New orbital position	Change of function of the space object
None								

G. Objects the registration or ownership of which has been transferred to New Zealand

International designator	National designator	Name	Date of change in supervision (UTC)	Identity of the previous owner or operator	Identity of the new owner or operator	Previous orbital position	New orbital position	Change of function of the space object
None								

II. Objects launched from New Zealand during previous quarters

International designator	National designator	Name	Date and time of the launch (New Zealand time)	Other launching States	Basic orbital parameters				General function of the space object	Additional voluntary information		
					Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		Owner or operator	Launch vehicle	Website
None												

III. Revisions to previously reported information

No revisions.

IV. Notification of space objects launched from New Zealand during the period from 1 April 2024 to 30 June 2024

The following space objects are not registered by New Zealand.

International designator	National designator	Name	Date of the launch (UTC)	Other launching States	Basic orbital parameters				General function of the space object	Additional voluntary information		
					Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		Payload owner or operator	Launch vehicle	Website
2024-077A	NZ-2024-014	NEONSAT-1	23 April 2024	Republic of Korea	94.89	97.41	523	503	Remote sensing	Korea Advanced Institute of Science & Technology	Electron	-
2024-077B	NZ-2024-013	ACS 3	23 April 2024	United States	105.29	97.41	1024	992	Technology demonstration	National Aeronautics and Space Administration (NASA)	Electron	-
2024-099A	NZ-2024-017	PREFIRE-2	25 May 2024	United States	95.23	97.5	540	519	Scientific purposes	NASA Jet Propulsion Laboratory (JPL)	Electron	-
2024-108A	NZ-2024-020	PREFIRE-1	5 June 2024	United States	95.24	97.45	539	521	Scientific purposes	NASA JPL	Electron	-
2024-114A	NZ-2024-027	KINEIS-1B	20 June 2024	France	97.45	98.03	638	636	Communications/ Internet of Things (IoT)	Kinéis	Electron	-
2024-114C	NZ-2024-026	KINEIS-1C	20 June 2024	France	97.49	98.03	640	638	Communications/IoT	Kinéis	Electron	-
2024-114D	NZ-2024-025	KINEIS-1D	20 June 2024	France	97.49	98.03	639	638	Communications/IoT	Kinéis	Electron	-
2024-114E	NZ-2024-024	KINEIS-1E	20 June 2024	France	97.48	98.03	639	637	Communications/IoT	Kinéis	Electron	-
2024-114F	NZ-2024-023	KINEIS-1A	20 June 2024	France	97.46	98.03	638	637	Communications/IoT	Kinéis	Electron	-

Note: Orbital parameters identified as at 4 July 2024 (source: www.space-track.org).

V. Objects launched from New Zealand that are no longer in orbit

The following space objects are not registered by New Zealand.

<i>International designator</i>	<i>National designator</i>	<i>Name</i>	<i>Date of the launch UTC</i>	<i>Other launching States</i>	<i>General function of the space object</i>	<i>Date of re-entry (UTC)</i>
2018-104G	NZ-2018-017	CHOMPTT	16 December 2018	United States	Technology demonstration	13 May 2024
2018-104H	NZ-2018-020	CP11 (ISX)	16 December 2018	United States	Scientific purposes	18 May 2024
2018-088E	NZ-2018-013	Proxima I	11 November 2018	Australia	Technology demonstration/communication	18 May 2024
2018-088G	NZ-2018-014	Proxima II	11 November 2018	Australia	Technology demonstration/communication	20 May 2024
2022-047AC	NZ-2022-043	TRSI-2	2 May 2022	United States	Technology demonstration	31 May 2024
2022-047AA	NZ-2022-042	TRSI-3	2 May 2022	United States	Technology demonstration	7 June 2024
2021-023B	NZ-2021-005	Centauri-3 (Tyvak-0210)	22 March 2021	Australia	Commercial data connectivity services	21 June 2024
2022-047Q	NZ-2022-039	SpaceBEE-153	2 May 2022	United States	Communications/IoT	13 April 2024
2022-047P	NZ-2022-035	SpaceBEE-149	2 May 2022	United States	Communications/IoT	23 April 2024
2022-047R	NZ-2022-036	SpaceBEE-150	2 May 2022	United States	Communications/IoT	28 April 2024
2022-047U	NZ-2022-032	SpaceBEE-146	2 May 2022	United States	Communications/IoT	29 April 2024
2022-047T	NZ-2022-031	SpaceBEE-145	2 May 2022	United States	Communications/IoT	29 April 2024
2022-047V	NZ-2022-037	SpaceBEE-151	2 May 2022	United States	Communications/IoT	30 April 2024
2022-047A	NZ-2022-029	SpaceBEE-143	2 May 2022	United States	Communications/IoT	30 April 2024
2022-047G	NZ-2022-027	SpaceBEE-141	2 May 2022	United States	Communications/IoT	1 May 2024
2022-047W	NZ-2022-038	SpaceBEE-152	2 May 2022	United States	Communications/IoT	2 May 2024
2022-047S	NZ-2022-030	SpaceBEE-144	2 May 2022	United States	Communications/IoT	2 May 2024
2022-047H	NZ-2022-028	SpaceBEE-142	2 May 2022	United States	Communications/IoT	4 May 2024
2022-047Z	NZ-2022-040	SpaceBEE-154	2 May 2022	United States	Communications/IoT	9 May 2024
2022-047X	NZ-2022-033	SpaceBEE-147	2 May 2022	United States	Communications/IoT	9 May 2024
2022-047Y	NZ-2022-041	SpaceBEE-155	2 May 2022	United States	Communications/IoT	11 May 2024

Note: Orbital parameters identified as at 4 July 2024 (source: www.space-track.org).

VI. Notification of space objects launched from New Zealand during previous quarters

The following space objects are not registered by New Zealand.

Objects launched from New Zealand

International designator	National designator	Name	Date and time of the launch (New Zealand time)	Other launching States	Basic orbital parameters				General function of the space object	Date of re-entry (UTC)	Additional voluntary information		
					Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Payload owner or operator	Launch vehicle	Website
None													