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

Note verbale dated 20 October 2025 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 information concerning objects launched into outer space by New Zealand during the period from July to September 2025 (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 23 October 2025.



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 July to 30 September 2025^{*,}**

I. Objects registered by New Zealand

A. Objects launched by New Zealand during the period from 1 July to 30 September 2025

International designator	National designator	Name	Date and time 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
2025-169B	NZ-2025-049	Electron Kick Stage R/B	5 August 2025 at 0410 hours	United States of America	96.13	42.01	579	568	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2025-169C	NZ-2025-050	Electron R/B	5 August 2025 at 0410 hours	United States	88.55	42	236.00	169	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2025-185D	NZ-2025-053	Electron Kick Stage R/B	23 August 2025	United States	97.95	97.97	669	652	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2025-185G	NZ-2025-052	Electron R/B	23 August 2025	United States	87.81	97.94	206.00	125	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 July to 30 September 2025

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 data are reproduced in the form in which they were received.

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

C. Objects no longer in orbit

<i>International designator</i>	<i>National designator</i>	<i>Name</i>	<i>Date of the launch (UTC)</i>	<i>General function of the space object</i>	<i>Date of re-entry (UTC)</i>
2025-138E	NZ-2025-043	Electron Kick Stage R/B	26 June 2025	Rocket body	1 July 2025
2025-138F	NZ-2025-044	Electron R/B	26 June 2025	Rocket body	3 July 2025
2025-140C	NZ-2025-041	Electron R/B	28 June 2025	Rocket body	13 July 2025
2025-125C	NZ-2025-038	Electron R/B	11 June 2025	Rocket body	24 July 2025
2025-185G	NZ-2025-052	Electron R/B	23 August 2025	Rocket body	4 September 2025
2025-169C	NZ-2025-050	Electron R/B	5 August 2025	Rocket body	5 September 2025
2025-125B	NZ-2025-037	Electron Kick Stage R/B	11 June 2025	Rocket body	17 September 2025
2025-104C	NZ-2025-031	Electron Kick Stage R/B	17 May 2025	Rocket body	20 September 2025

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

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

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

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

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

<i>International designator</i>	<i>National designator</i>	<i>Name</i>	<i>Date of change in supervision (UTC)</i>	<i>Identity of the previous owner or operator</i>	<i>Identity of the new owner or operator</i>	<i>Previous orbital position</i>	<i>New orbital position</i>	<i>Change of function of the space object</i>
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 (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
2025-140B	NZ-2025-040	Electron Kick Stage R/B	28 June 2025 at 0708 hours	United States	97.8	95.98	663	644	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com

III. Objects launched outside New Zealand territory, on the basis of overseas payload permits authorized by New Zealand during previous quarters

International designator	National designator	Name	Date and time of the launch (UTC)	Other launching States	Territory or location of launch	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
2025-135F	NZ-2025-059	TPA-1	23 June 2025 at 2125 hours	United States	Vandenberg Space Force Base, California, United States	94.86	97.45	515	508	Remote sensing	The University of Auckland	Falcon 9	https://space.auckland.ac.nz/2025/09/01/news-on-tpa-1-mission/

IV. Revisions to previously reported information

No revisions.

V. Notification of space objects launched from New Zealand during the period from 1 July to 30 September 2025

The following space objects are not registered by New Zealand.

International designator	National designator	Name	Date and time 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
2025-169A	NZ-2025-051	QPS-SAR-12 KUSHINADA-I	5 August 2025 at 0410 hours	Japan	96.16	42.01	579	570	Remote sensing	Institute for Q-shu Pioneers of Space Inc.	Electron	-
2025-185A	NZ-2025-054	DRESDEN	23 August 2025	Rwanda	97.85	97.97	668	643	Technology demonstrator	-	Electron	-
2025-185B	NZ-2025-056	STARK	23 August 2025	Rwanda	97.85	97.97	668	644	Technology demonstrator	-	Electron	-
2025-185C	NZ-2025-055	FOURIER	23 August 2025	Rwanda	97.85	97.97	668	643	Technology demonstrator	-	Electron	-
2025-185E	NZ-2025-057	BASIL	23 August 2025	Rwanda	97.85	97.97	669	643	Technology demonstrator	-	Electron	-
2025-185F	NZ-2025-058	DOJO	23 August 2025	Rwanda	97.85	97.97	668	644	Technology demonstrator	-	Electron	-

Note: Orbital parameters identified as at 10 October 2025 (source: www.space-track.org).

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

The following space objects are not registered by New Zealand.

International designator	National designator	Name	Date of the launch (UTC)	Other launching States	General function of the space object	Date of re-entry (UTC)
None						

VII. 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 (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
2025-140A	NZ-2025-042	LYRA-4	28 June 2025 at 0708 hours	Australia	97.84	95.98	664	646	Communications/ Internet of Things (IoT)	EchoStar Global Australia Proprietary Limited	Electron	-