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**Information furnished in conformity with the Convention
on Registration of Objects Launched into Outer Space****Note verbale dated 11 April 2022 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 from New Zealand during the period from 1 June 2021 to 31 March 2022 (see annex).¹

¹ The data on space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 4 May 2022.



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^{*,}**

I. Objects registered by New Zealand

A. Objects launched by New Zealand during the period from 1 June 2021 to 31 March 2022

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)		Payload owner or operator	Launch vehicle	Website
2022-020B	NZ-2022-02	Electron Kick Stage Rocket Body	1 March 2022, 0937 hours	United States of America	94.92	97.09	555	475	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2022-020C	NZ-2022-03	Electron Rocket Body	1 March 2022, 0937 hours	United States	87.78	97.70	192	137	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 June 2021 to 31 March 2022

International designator	National designator	Name	Date 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
2021-059L	NZ-2022-04	SpaceBEENZ-7	30 June 2021	New Zealand	United States	95.04	97.54	526	514	Communications and Internet of Things (IoT)	Swarm Technologies Inc. (Swarm NZ Limited)	Falcon 9 v.1.2 (Block 5)	-
2021-059N	NZ-2022-05	SpaceBEENZ-8	30 June 2021	New Zealand	United States	95.04	97.54	526	514	Communications and IoT	Swarm NZ Limited	Falcon 9 v.1.2 (Block 5)	-

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

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

<i>International designator</i>	<i>National designator</i>	<i>Name</i>	<i>Date of the launch (UTC)</i>	<i>State of registry</i>	<i>Other launching States</i>	<i>Basic orbital parameters</i>				<i>General function of the space object</i>	<i>Additional voluntary information</i>		
						<i>Nodal period (minutes)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>		<i>Payload owner or operator</i>	<i>Launch vehicle</i>	<i>Website</i>
2021-059J	NZ-2022-06	SpaceBEENZ-9	30 June 2021	New Zealand	United States	95.05	97.54	526	515	Communications and IoT	Swarm NZ Limited	Falcon 9 v.1.2 (Block 5)	-
2021-059D	NZ-2022-07	SpaceBEENZ-10	30 June 2021	New Zealand	United States	95.05	97.54	526	515	Communications and IoT	Swarm NZ Limited	Falcon 9 v.1.2 (Block 5)	-
2022-026M	NZ-2022-08	SpaceBEENZ-11	15 March 2022	New Zealand	United States	95.12	97.5	544	505	Communications and IoT	Swarm NZ Limited	Astra Rocket 3.3	-

Note: SpaceBEENZ-7 to 11 were launched outside of New Zealand territory on the basis of overseas payload permits authorized by New Zealand. New Zealand is registering these satellites because the payload permit holders are New Zealand entities.

C. Objects no longer in orbit

<i>International designator</i>	<i>National designator</i>	<i>Name</i>	<i>Date and time of the launch (New Zealand time)</i>	<i>General function of the space object</i>	<i>Date of re-entry (UTC)</i>
2021-106C	NZ-2021-16	Electron debris – payload adapter	18 November 2021, 1438 hours	Debris – payload adapter	12 March 2022
2021-120C	NZ-2021-25	Electron debris – payload adapter	9 December 2021, 1302 hours	Debris – payload adapter	21 March 2022
2022-020C	NZ-2022-03	Electron Rocket Body	1 March 2022, 0937 hours	Rocket body	15 March 2022

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 new owner or operator</i>	<i>Identity of the previous 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

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

H. Objects the registration or ownership of which has been transferred from one country to another, excluding New Zealand

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

II. Revisions to previously reported information

No revisions.

III. Notification of space objects launched from New Zealand in March 2022

The following space objects are not registered by New Zealand.

Objects launched by 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	Additional voluntary information		
					Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		Payload owner or operator	Launch vehicle	Website
2022-020A	NZ-2022-01	StriX-Beta	1 March 2022, 0937 hours	Japan	95.93	97.78	572	554	Remote sensing	Synspective Inc.	Electron	www.synspective.com

Note: Orbital parameters identified as at 1 April 2022 (source: www.space-track.org).

IV. Objects launched by New Zealand that are no longer in orbit

The following space objects are not registered by New Zealand.

International designator	National designator	Name	Date and time of the launch	Other launching States	General function of the space object	Date of re-entry (UTC)
2018-010A	NZ-2018-006	Dove Pioneer	21 January 2018, 0143 hours (UTC)	United States	Remote sensing	22 September 2019
2019-037F	NZ-2019-016	SpaceBEE-9	29 June 2019, 1630 hours (New Zealand time)	United States	Technology demonstration and communications	16 December 2021

Note: Orbital parameters identified as at 1 April 2022 (source: www.space-track.org).