

**Secretariat**Distr.: General
8 April 2020

Original: English

**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 17 March 2020 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 November to December 2019 (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 20 March 2020.



Annex

Information on space objects launched from New Zealand*

I. Objects registered by New Zealand

A. Objects launched by New Zealand (1 November–31 December 2019)

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
2019-084B	NZ-2019-35	Electron Kick Stage Rocket Body	6 December 2019, 2118 hrs	United States of America	91.88	97.00	399	335	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2019-084C	NZ-2019-36	Electron Rocket Body	6 December 2019, 2118 hrs	United States	87.62	96.98	170	143	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com

B. Objects no longer in orbit

International designator	National designator	Name	Date and time of the launch (New Zealand time)	General function of the space object	Date of re-entry (UTC)
2019-084C	NZ-2019-36	Electron Rocket Body	6 December 2019, 2118 hrs	Rocket body	18 December 2020

C. 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 is no longer functional (UTC)
None					

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

D. 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 is moved to a disposal orbit</i>	<i>Physical conditions when space object is moved to a disposal orbit (change in orbit, passivation and other measures recommended in space debris mitigation guidelines)</i>
None							

E. 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								

F. 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								

G. 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 during the period from 1 November 2019 and 31 December 2019

Note: The following space objects are not registered by New Zealand.

International designator	National designator	Name	Date and time of the launch (New Zealand)	Other launching States	Basic orbital parameters ^a				General function of the space object	Additional voluntary information		
					Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		Owner or operator	Launch vehicle	Website
2019-084A	NZ-2019-28	ALE-2	6 December 2019, 2118 hrs	Japan	92.67	97.00	416	394	Educational, entertainment and scientific purposes	Ale Co. Ltd	Electron	-
2019-084D	NZ-2019-29	NOOR-1A	6 December 2019, 2118 hrs	United States	91.92	97.00	395	342	Technology demonstration and communications	Stara Technologies Corporation	Electron	-
2019-084E	NZ-2019-30	NOOR-1B	6 December 2019, 2118 hrs	United States	91.46	97.00	367	326	Technology demonstration and communications	Stara Technologies Corporation	Electron	-
2019-084F	NZ-2019-31	FossaSat-1	6 December 2019, 2118 hrs	Spain	91.84	97.00	390	340	Technology demonstration and communications	Fossa Systems	Electron	-
2019-084G	NZ-2019-32	TRSI	6 December 2019, 2118 hrs	Germany	91.82	97.00	389	340	Technology demonstration and communications	Union Aerospace Components	Electron	-
2019-084H	NZ-2019-33	ATL-1	6 December 2019, 2118 hrs	Hungary	91.83	97.00	389	340	Technology demonstration and communications	Advanced Technology of Laser, Kft.	Electron	-
2019-084J	NZ-2019-34	SMOG-P	6 December 2019, 2118 hrs	Hungary	91.80	97.00	387	339	Technology demonstration and communications	Budapest University of Technology and Economics	Electron	-

^a As at 19 February 2020 (source: www.space-track.org).