



**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 25 November 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 July to September 2020 (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 7 December 2020.



Annex

Information on space objects launched from New Zealand*

I. Objects registered by New Zealand

A. Objects launched by New Zealand during the period from 1 July to 30 September 2020

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
2020-060A	NZ-2020-11	RLFL14	31 August 2020, 1605 hours	United States of America	95.39	45.1	547	528	Technology demonstration	Rocket Lab Limited	Electron	www.rocketlabusa.com
2020-060C	NZ-2020-12	Electron rocket body	31 August 2020, 1605 hours	United States	87.65	40.07	180	136	Rocket body	Rocket Lab USA, Inc	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)
2020-060C	NZ-2020-12	Electron rocket body	31 August 2020, 1605 hours	Rocket body	19 September 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 was 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 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							

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 July to 30 September 2020

The following space object is not registered by New Zealand.

A. Objects launched by New Zealand

International designator	National designator	Name	Date and time of the launch (New Zealand)	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
2020-060B	NZ-2020-13	Capella-2	31 August 2020, 1605 hours	United States	95.39	45.1	547	528	Commercial remote sensing	Capella Space Corporation	Electron	-

Note: On 5 July 2020, New Zealand launched the following space objects on behalf of foreign clients: CE-SAT-1B (Japan), NISA-19 (Canada), Prometheus-1 (United Kingdom of Great Britain and Northern Ireland), Jukebox (United Kingdom), SuperDove SD-2 (United States), SuperDove SD-4 (United States), Faraday-1 (United Kingdom), SERC (Australia), LacunaSat-2 (United Kingdom), SuperDove SD-1 (United States), SuperDove SD-3 (United States), SuperDove SD-5 (United States).

As a result of a technical failure involving the Electron rocket launched from Launch Complex 1, Mahia Peninsula, New Zealand, the payloads on board the Electron rocket failed to reach orbit.

IV. Objects launched by 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 and time of the launch (New Zealand time)</i>	<i>Other launching States</i>	<i>General function of the space object</i>	<i>Date of re-entry (UTC)</i>
2019-054F	NZ-2019-23	Electron rocket body	20 August 2019	United States	Rocket body	5 November 2020
2019-084F	NZ-2019-31	FossaSat-1	6 December 2019	Spain	Technology demonstration/communications	28 October 2020
2019-084H	-	Object H ^a	6 December 2019	-	-	11 October 2020
2019-084G	NZ-2019-33	ATL-1	6 December 2019	Hungary	Technology demonstration/communications	9 October 2020
2019-084J	NZ-2019-34	SMOG-P	6 December 2019	Hungary	Technology demonstration/communications	28 September 2020

^a On the basis of the date of launch and associated payloads, it is believed that the information below applies to “Object H” (2019-084H), however, this has not been confirmed.

<i>International designator</i>	<i>National designator</i>	<i>Name</i>	<i>Date and time of the launch (New Zealand time)</i>	<i>Other launching States</i>	<i>General function of the space object</i>	<i>Date of re-entry (UTC)</i>
2019-084H	NZ-2019-32	TRSI	6 December 2019	Germany	Technology demonstration/communications	11 October 2020