



Secretariat

Distr.: General
30 September 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 14 September 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 January to June 2020 (see annex).



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 January to 30 June 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
2020-007B	NZ-2020-02	Electron Kick Stage Rocket Body	31 January 2020, 1556 hrs	United States of America	96.26	70	594	565	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2020-007C	NZ-2020-03	Electron Rocket Body	31 January 2020, 1556 hrs	United States	87.59	69.96	177	133	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2020-037F	NZ-2020-09	Electron Kick Stage Rocket Body/Photon Pathfinder ^{a,b}	13 June 2020, 1712 hrs	United States					Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com
2020-037G	NZ-2020-10	Electron Rocket Body	13 June 2020, 1712 hrs	United States	87.5	97.7	168	133	Rocket body	Rocket Lab USA	Electron	www.rocketlabusa.com

^a Object launched but not yet identified.

^b The Photon Pathfinder is the same space object as the Electron Kick Stage Rocket Body, essentially extending the function of the third stage so that it may act as a satellite in its own right. The space object will have the same national designator and international designator. New Zealand remains the country registering this space object.

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

B. 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>
2020-007C	NZ-2020-03	Electron Rocket Body	31 January 2020, 1556 hrs	Rocket body	22 February 2020
2020-037G	NZ-2020-10	Electron Rocket Body	13 June 2020, 1712 hrs	Rocket body	8 July 2020

C. 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					

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**A. Revision to previous notification of space objects launched from New Zealand during the period from 1 July 2019 to 31 October 2019 (ST/SG/SER.E/921, annex, table A)**

The following space object is now 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>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>Owner or operator</i>	<i>Launch vehicle</i>	<i>Website</i>
2019-069A	NZ-2019-025	Palisade	17 October 2019, 1422 hrs	United States	109.77	87.9	1 225	1 208	Payload bus	Astro Digital	Electron	www.astrodigital.com

III. Notification of space objects launched from New Zealand during the period from 1 January to 30 June 2020

The following space objects are 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
2020-007A	NZ-2020-01	USA 294 (or USG 151)	31 January 2020, 1556 hrs	United States					Classified	United States Government	Electron	-
2020-037D	NZ-2020-04	ANDESITE	13 June 2020, 1712 hrs	United States	96.52	97.71	601	582	Educational, entertainment and scientific purposes	Boston University	Electron	-
2020-037E	NZ-2020-05	M2 Pathfinder	13 June 2020, 1712 hrs	Australia	96.52	97.7	602	586	Educational, entertainment and scientific purposes	University of New South Wales	Electron	-
2020-037A	NZ-2020-06	USA 301	13 June 2020, 1712 hrs	United States					Classified	United States Government	Electron	-
2020-037B	NZ-2020-07	USA 302	13 June 2020, 1712 hrs	United States					Classified	United States Government	Electron	-
2020-037C	NZ-2020-08	USA 303	13 June 2020, 1712 hrs	United States					Classified	United States Government	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 object is 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>
2019-084E	NZ-2019-30	NOOR-1B	6 December 2019, 2118 hrs	United States	Technology demonstration/communications	7 April 2020