



Secretariat

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**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 2 December 2019 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 June to October 2019 (see annex).



Annex

Information on space objects launched from New Zealand*

I. Information on space objects registered by New Zealand

A. Objects launched by New Zealand in the period from 1 July to 31 October 2019

International designator	National designator	Name	Date 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
2019-054B	NZ-2019-019	Electron Kick stage R/B	20 August 2019	United States of America	95.53	45.02	549	539	Rocket body			
2019-054F	NZ-2019-023	Electron R/B	20 August 2019	United States	92.74	45.01	524	293	Rocket body			
2019-069C	NZ-2019-024	Electron Kick stage R/B	17 October 2019	United States	101.95	87.89	1 204	309	Rocket body			
2019-069B	NZ-2019-027	Electron Booster Stage 2	17 October 2019	United States	99.96	87.89	1 204	309	Rocket body			

B. Objects no longer in orbit

International designator	National designator	Name	Date of the launch (New Zealand time)	General function of the space object	Date of re-entry (UTC)

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

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 is 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 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 no longer registered by New Zealand (registration or ownership 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 now registered by New Zealand (registration or ownership 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 launched from New Zealand but for which New Zealand is not the registering State

<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 the period from June to October 2019

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

International designator	National designator	Name	Date 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
2019-037E	NZ-2019-014	ACRUX-1	29 June 2019	Australia	93.54	45.01	458	437	Technology demonstration/ education	-	-	-
2019-037A	NZ-2019-017	Painani-1	29 June 2019	Mexico	93.7	45.01	458	438	Education	-	-	-
2019-054A	NZ-2019-018	BRO-1	20 August 2019	France	95.47	45.02	549	533	Remote sensing	-	-	-
2019-054C	NZ-2019-020	Pearl White 1	20 August 2019	United States	95.48	45.02	549	535	Technology demonstration	-	-	-
2019-054D	NZ-2019-021	Pearl White 2	20 August 2019	United States	95.47	45.02	549	534	Technology demonstration	-	-	-
2019-054E	NZ-2019-022	Global-4	20 August 2019	United States	95.51	45.02	549	538	Remote sensing	-	-	-
2019-069A	NZ-2019-025	Palisade	17 October 2019	United Kingdom	109.77	87.9	1 225	1 208	Payload bus	-	-	-
2019-069D	NZ-2019-026	N/A - Debris	17 October 2019	United States	99.67	87.89	1 175	310	Debris	-	-	-

^a Orbital parameters identified as at 12 November 2019 (source: www.space-track.org).