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Page 3: Submitter Information

Q2**No**

Are you making this submission on behalf of a business or organisation?

Page 4: New Zealand's interests in space

Q7**General interest in space,**

What are your interests and relationship to space? Pick as many as apply below:

Other (please specify):

Ban on Military uses / applications for Space Technology and Industry in New Zealand

Q8

Please note any other interests and relationship to space below that you would like to share.

NZ as a "small player" is setting great examples of participation in Space Technology and applications. These are great initiatives with so much scope for (peaceful) scientific and economic research. Use High Ethical standards and Don't Muddy the Waters by providing possible Military applications for Any other Nation or Business Company.

Page 5: New Zealand's values in space

Q9

To what extent do you agree or disagree that these values should apply to New Zealand's space activities and engagements?

Innovation	Strongly agree
Responsibility	Strongly agree
Stewardship	Strongly agree
Partnership	Strongly agree

Q10

Are there any other values, or aspects of kaitiakitanga (guardianship), that you think should apply to New Zealand's space activities and engagements? For example, cultural values regarding space.

No Military Applications, including 2e "backdoor" Military uses. Freedom of access for the Public Good in the Public Domain. User pay principles may be appropriate for certain special interest sector economic research. Cooperative Data Gathering and Management to provide important data for trends in such areas as Global Warming statistics, Ocean Conservation, Pollution monitoring, policing and prevention. Focus on Pacific Nations Welfare and Data Sharing.

Page 6: New Zealand's space policy objectives

Q11

Rank these key policy objectives in order of importance to you: Click and drag to reorder the objectives from 1 (most important) to 5 (least important)

Growing an innovative and inclusive space sector	2
Modelling sustainable space and Earth environments	3
Promoting the responsible uses of space internationally	1
Protecting and advancing our national security and economic interests	5
Regulating to ensure space activities are safe and secure	4

Page 7: Growing an innovative and inclusive space sector

Q12

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to grow an innovative and inclusive space sector?

Promoting New Zealand's natural advantage for conducting space activities, and research and development expertise across the space value chain	Strongly agree
Partnering within New Zealand and internationally to increase research and development capabilities	Strongly agree
Identifying opportunities to increase diversity in the space sector	Strongly agree
Using cutting-edge space technology and space sourced data to support New Zealand's values and interests	Strongly agree

Q13

Do you have any comments on these policy objectives? (e.g. any suggested change to how they are framed? Is there anything missing?)

A Specific Statement to prevent / Ban any Military applications, including by 3rd parties who may have vested interests.

Q14

Are there any other policy objectives that you think would help the New Zealand government to grow an innovative and inclusive space sector?

Payloads are being launched into space from New Zealand for foreign military and intelligence actors.
The government has been warned that satellites from certain military actors could threaten our nuclear-free commitments.
Space activities that only serve to increase military power jeopardise human safety.
The Crown needs to live up to its obligations and commitments under Te Tiriti o Waitangi.
Every rocket launch has an impact on the environment
Build your point of view... (goal/motivation)

Supporting the continued militarisation of space threatens our national interest
Our country must ensure it protects its nuclear-free stance
Space should be a place of peace and progress, not war and conquest.
There is nothing in law that requires either the government or private space operators to consult and genuinely listen to tangata whenua - that needs to change.
Reducing the environmental effects of space activities, including rocket launches, should be a priority.
Our solution is... (policy point)

The Government needs to acknowledge that contributing to the militarisation of space goes against the national interest.
The Government should never allow any payload to be launched from New Zealand that could facilitate the command and control of nuclear weapons
The Outer Space and High-altitude Activities Act 2017 must be amended to:
Ban space launches with payloads containing any military hardware
Prevent the launch of payloads that serve the interests of foreign military and intelligence agencies
Require the crown and private space operators to respect the rights of tangata whenua.
Tangata whenua must have direct input into this national space policy review process.
The government needs to commission further Ecological Risk Assessments of the environmental effects of space activities, particularly rocket launches.

Q15

Do you have any questions or comments about what these objectives would mean in practice?

Would need ground-setting International cooperation and careful monitoring Not to be Influenced by Major Nations, "Superpowers" and Large Business Interest Multinational Companies.

Page 8: Promoting the responsible uses of space internationally

Q16

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to promote the responsible uses of space internationally?

Advocating for effective international rules, norms and standards in space	Strongly agree
Collaborating internationally to increase New Zealand's influence and capabilities in the global space sector	Strongly agree

Q17

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

All development of NZ Space industry must be Transparent to the Public, but still able to maintain commercial and economic Intellectual Property Rights and Patents / Ownership of Innovative technology developed. Incentives built in for the Motivation of Research and Employees.

Q18

Are there any other policy objectives that you think would help the New Zealand government to promote the responsible uses of space internationally?

Complete Ban of Military Applications. Space Frontier should be LIKE Antarctica, which has an International Treaty Banning Military applications. Research this Antarctic treaty to use as good model to develop further in the context of Space Exploration.

Q19

Do you have any questions or comments about what these objectives would mean in practice?

In practice, these Objectives would have to be regularly Reviewed and Updated, eg. Bi-Annually.

Page 9: Protecting and advancing our national security and economic interests

Q20

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to protect and advance our national security and economic interests?

Use space assets to protect and advance New Zealand's national security and economic interests **Agree**

Manage the broad range of security risks in space to protect New Zealand's space industry **Strongly agree**

Q21

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

Data Hacking and Ransom demands are flavour of the month these days. Robust security and Data Encryption is needed with regular reviews built in.

Q22

Are there any other policy objectives that you think would help the New Zealand government to protect and advance our national security and economic interests?

Public Education. Develop 2e School, Polytechnic and University Training programmes to provide NZders good Employment skills in this Developing Space Technology Industry. Such Public Education needs to be developed now and be ongoing.

Q23

Do you have any questions or comments about what these objectives would mean in practice?

Supported by NZ Government Funding, Scholarships, Tax incentives. Far sighted Policy objectives need to be developed.

Page 10: Modelling sustainable space and Earth environments

Q24

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to model sustainable space and Earth environments?

Encouraging inclusive, sustainable space collaborations within New Zealand **Strongly agree**

Assessing the cumulative impact of space activities on the Earth environment **Strongly agree**

Assisting with solving sustainability challenges through space data, including to better monitor or understand the Earth's environment **Strongly agree**

Investing in New Zealand's capability to retain, grow, access and use sustainable space technologies **Strongly agree**

Q25

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

Investment in this developing Industry will be Vital. Use such available Funds as Super Annuation Funds, NZ Share Market, Wills and Beneficiaries, Tax incentives.

Q26

Are there any other policy objectives that you think would help the New Zealand government to model sustainable space and Earth environments?

As mentioned before, a comprehensive Ban on the use and development of Military Technologies.

Q27

Do you have any questions or comments about what these objectives would mean in practice?

Emphasise the PEACEFUL Nature of Space Technology and Exploration. The only exception would be development of "EARTH Shield Technology " to protect EARTH from Meteorite / Extra Terrestrial object Impact.

Page 11: Regulating to ensure space activities are safe and secure

Q28

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to promote the responsible uses of space internationally?

Facilitating the safe and secure use of emerging space technologies from New Zealand **Strongly agree**

Clarifying what New Zealand space activities are inconsistent with the national interest **Strongly agree**

Promoting and protecting New Zealand's interests through permitting space technologies **Strongly agree**

Q29

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

Need to have a Balance between NZ National Objectives and International Cooperation, to "optimise" opportunities for all parties to mutually cooperate.

Q30

Are there any other policy objectives that you think would help the New Zealand government to ensure space activities are safe and secure?

Safeguard NZ and Tangata Whenua Sovereignty. Security from Data Breaches is a significant consideration.

Q31

Respondent skipped this question

Do you have any questions or comments about what these objectives would mean in practice?

Page 12: Regulating in line with our national interests

Q32

Are there any comments you would like to make about these criteria that inform consideration of the national interest?

Strongly Supportive of the last 4 • Points as above, No Nuclear weapons tech, No Laser Weapons Tech, No targeting of other spacecraft, Minimal Harm to our Environment, Atmosphere, Oceans, Space orbital Locations.

Q33

What questions do you have about how the national interest is considered in practice?

Will require very Careful & Skilful negotiations to navigate away from Military Technology applications, which other Nation States are already developing. We don't want to become an " inadvertent " partner of such technologies.
