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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:

Q8 **Respondent skipped this question**

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

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	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.

Conservation of our natural nightscapes (under kaitiakitanga). Our skies are a taonga and connect us to the seasons. NZ Space activities & engagements should consider impact to the night sky as part of any environmental impact assessment, and should in principle NOT support any projects that have a large negative impact on such (for example, StarLink).

We also have the responsibility to maintain sovereignty over our interactions with space, and should therefore not permit the launch of payloads belonging to foreign military forces within NZ territory (even if the parties in question are our allies, and even if the payloads are not directly related to weapons systems). Any launch of such payloads should be subject to tangata whenua approval, as well as open public consultation.

If we do this well, we could be world leaders in recognizing indigenous rights with regard to space.

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

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	Disagree
Partnering within New Zealand and internationally to increase research and development capabilities	Disagree
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	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?)

We need to be careful not to pursue innovation at the cost of inclusion. This is more than just addressing the gender imbalance in space activities, but should factor in broader inclusion discussions such as involving Māori throughout any planning and decision-making process with regard to space policy, and also to individual operational matters (e.g. payload approvals)

Q14

Respondent skipped this question

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

Q15

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

I have grave concerns about the operational outcomes of partnering internationally with respect to R&D. How would we ensure that the R&D we support does not go to support the weapons programs of foreign powers? Even aiding our allies in their military research could mean that our involvement leads to the deaths of civilians.

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

Partnering with like-minded launch states to adopt peaceful, responsible and sustainable space practices

Strongly agree

Collaborating internationally to increase New Zealand's influence and capabilities in the global space sector

Neither agree nor disagree

Q17

Respondent skipped this question

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

Q18

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

We are known for "punching about our weight" in the multilateral sphere - we should align with like-minded states to not just encourage each other, but to censure those states who use space for weapons research or deployment.

Q19

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

How will any international space rules be enforced? (c.f. Russia veto of UN Security Council regarding Ukraine)

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 **Disagree**

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

Collaborate with international space and security partners to pursue New Zealand's national security and economic interests **Disagree**

Q21

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

Advances to our economic interests cannot be made at the expense of our cultural and environmental interests.

Q22

Respondent skipped this question

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?

Q23

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

It's a challenging line to draw. There are many uses of space assets which can be used for, humanitarian purposes (locating survivors after a natural disaster to launch rescue services), economic protection (monitoring fishing within our EEZ), or for military purposes (locating enemy combatants to launch drone attacks). Would collaborating with foreign partners around our security/economic interests also mean that we would be advancing military interests of theirs? That would be extremely concerning, and does not align with our principle of kaitiakitanga.

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 **Agree**

Q25

Respondent skipped this question

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

Q26

Respondent skipped this question

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

Q27

Respondent skipped this question

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

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 **Agree**

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

Promoting and protecting New Zealand's interests through permitting space technologies **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?)

How are Māori centered in this definition and in any decision-making around permitting processes?

Q30

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

Aligning with like-minded countries to lobby for space safety regulations.

Q31

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

How are Māori centered in this definition and in any decision-making around permitting processes?

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?

Cultural heritage and Māori interests are not once mentioned in these criteria.

The definition of activities NOT in our national interests should be broader and less subjective. I would like the first bullet point under the list of activities that will not gain authorisation "that contribute to weapons programmes or capabilities"

Q33

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

How are Māori centered in this decision-making? Does "environment" include the night sky as an environment (it should), and if so is this captured in environmental impact assessments (it should)? How will the public know what govt policy is with regard to R&D that can have military uses as well as valid civilian uses?
