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Page 3: Submitter Information

Q1

Personal Information

Name **lost** warren hugh thomson
 Email Address thomsonwarren@hotmail.com

Q2

No

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

Q3

Yes

Would you like to be kept informed of the outcome of the Space Policy Review?

Q4

Yes

Are you happy for MBIE to contact you if we have questions about your submission?

Q5

Respondent skipped this question

Privacy

Q6

Release of Information

I understand that if there is other information in this submission that I do not wish to be released, I will email this to spacepolicyreview@mbie.govt.nz with the subject line "Release of information", together with my reasons for withholding the information and grounds under the Official Information Act 1982, for consideration by MBIE

Page 4: New Zealand's interests in space

Q7

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

Other (please specify):

I oppose the part played by Rocket Lab in the militarisation of space

Q8

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

Ensuring that space initiatives will damage neither our environment nor our nuclear free reputation.

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	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.

An aspect of Aotearoa/NZ culture that has been wilfully overlooked is our commitment to a peaceful, nuclear free world.

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	2
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	3

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

Neither agree nor disagree

Partnering within New Zealand and internationally to increase research and development capabilities

Neither agree nor disagree

Identifying opportunities to increase diversity in the space sector

Neither agree nor disagree

Using cutting-edge space technology and space sourced data to support New Zealand's values and interests

Neither agree nor disagree

Q13

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

You assume growing 'an innovative and inclusive space sector' is a good thing. As space development will almost certainly further damage our environment, your proposition is unsustainable.

Q14

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

See 13 above

Q15

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

Leading scientific research is now showing that expanding space activity brings 'significant' risk of damage to the environment. [See, eg, 'Space pollution factored into launch acceptances'. UC Davis, 7 June, 2021, or recent U.S. National Oceanic and Atmospheric Administration research.]

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	Neither agree nor disagree
Collaborating internationally to increase New Zealand's influence and capabilities in the global space sector	Neither agree nor disagree

Q17

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

The impact of 'Partnering' and 'Collaborating' is entirely dependent on who this country works with. At the moment a significant part of NZ space activity is related to U.S. militarisation of space [satellites for BlackSky, National Reconnaissance Office, and U.S. Space Force]. Good luck with co-operating on 'peaceful and sustainable' rules and norms!

Q18

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

1. Immediately ban any launches from this country that are not given approval by an appropriate United Nations authority.
 2. Immediately ban any funding or support of any payload whose utilisation cannot be monitored by U.N. authorities.
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Q19

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

Lots! Most of which are being ignored by the NZSA.

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	Neither agree nor disagree
Collaborate with international space and security partners to pursue New Zealand's national security and economic interests	Neither agree nor 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?)

The phrase 'national security and economic interests' is meaningless - a licence for any A/NZ government to do whatever they like!

NOTE: The Inspector-General of Intelligence Services has already noted that approvals are being given without any clear definition and the NZSA uses 'government policy' for blanket approval of any payloads.

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?

1. Work to prevent any initiative that adds to military capability in space.
 2. Work to prevent any initiative that adds to ozone-destroying and/or climate changing emissions in the biosphere.
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Q23

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

While your objectives might help grow GDP, they will certainly promote significant damage to the space environment and will - as in the case of Rocket Lab - provide cover for a militarisation of space that will make the nuclear arms race look like a kids' game!

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	Neither agree nor disagree
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	Neither agree nor disagree
Investing in New Zealand's capability to retain, grow, access and use sustainable space technologies	Neither agree nor disagree

Q25

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

The policy objectives are just words - meaningless without appropriate action. In terms of sustainability, the NZSA seems to have received no advice on the 'significant' impact of increased launches on the environment. [See, eg, the work of the American National Oceanic and Atmospheric Administration on rocket impacts.]

Even more seriously, those promoting space initiatives have completely ignored the potential for activities such as those of Rocket Lab to put this country in the front line of future conflict. Note recent Rocket Lab references to promoting 'resilience' in the American space warfighting capability: complete silence in this area from Wellington, presumably not gone unremarked by the Russians and the Chinese .

Q26

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

See comment on 'policy objectives' above!

Q27

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

Lots! Where is any evidence of actual govt actions to LOWER emissions from space launches and REDUCE the militarisation of space?

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	Neither agree nor disagree

Q29

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

See previous. 'National Interest' equals government policy equals support for Washington's 'militarisation of space' [U.S. Govt words - not mine!]

'National Interest' that excludes making yourself a target and/or increasing global emissions is, at best, disingenuous. and at worst, wilfully misleading the A/NZ population.

Q30

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

See above

Q31

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

See above

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?

These principles are masterly!

1. As previously noted, the parameters are carefully doctored to allow the government to do whatever it likes [contrary to government policy].
 2. Inserting the word 'nuclear' allows all kinds of new space weapons to be supported. It also means any military/intelligence location or tracking systems are perfectly acceptable.
 3. 'End use' means it does not matter if serious harm to the environment is caused from launches or deployments.
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Q33

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

1. What is the precise NZSA definition of 'national security'?
 2. What specific examples and threat scenarios have been used to assess 'national security' in terms of space activities?
 3. In what ways is this country's assessment of 'national interest' differentiated from the interests of Five Eyes allies?
 4. Considering 'national security', what advice has the government received about Mahia Peninsula being a possible target?
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