

#23

COMPLETE

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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:

Work in the New Zealand space sector**Q8**

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

I'm also on the committee for the Women in Space Aotearoa New Zealand network which has been active for a year. I have great interest in promoting diversity and inclusion in the space industry for women and gender minorities.

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**Respondent skipped this question**

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.

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

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?)

I think for "Identifying opportunities to increase diversity in the space sector" is great - but I think to expand on this we should promote diversity and inclusion in the space sector. Diversity targets on their own do not provide the appropriate support structures in place to keep minorities in the space sector. Promoting things like cross-disciplinary mentorship for women and minorities, scholarships, and resources to help them feel supported while in the space sector are equally if not more important than promoting diversity and inspiring younger generations to pursue space careers.

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?

It would be good to understand what exactly "New Zealand's values and interests" are in the context of the space sector

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	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	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?)

Collaborating internationally is key to a successful space sector in New Zealand

Q18

Respondent skipped this question

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

Q19

Respondent skipped this question

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

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	Strongly agree
Manage the broad range of security risks in space to protect New Zealand's space industry	Agree
Collaborate with international space and security partners to pursue New Zealand's national security and economic interests	Strongly agree

Q21

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?)

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

Respondent skipped this question

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

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 **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

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

I think it's important to assess the environmental impact of space activities themselves however I don't believe this should be of utmost importance. As someone who works for Rocket Lab I can understand the concern people may have for the environmental impact our launch services provide, however many of our payloads are satellites that further sustainability efforts. We also will operate MethaneSAT which is a prime example of partnering with global agencies to further understand the impacts of climate change. So, I believe it would be a matter of weighing these things up.

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	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?)

It's important to consider the ramifications of disallowing certain payloads to launch from NZ soil based on a definition of what New Zealanders believe benefit them. When it comes to the space sector in New Zealand, and specifically as someone who works for Rocket Lab and loves it, if we were to face significantly more friction for what we can and can't launch from New Zealand it is likely our business would suffer. Rocket Lab employs hundreds of people in Aotearoa and for me personally I am very happy to see so much amazing innovation go on in my home country. While I of course believe in furthering New Zealand's national interests, it's important to consider the potential side effects of restricting access to space from our land. The policy should be carefully constructed to allow for launch activities to go ahead in New Zealand, fostering innovation and a growing, inspired workforce, while also maintaining secure and safe use of space technology.

Q30

Respondent skipped this question

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

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?

I think this definition of what is not in New Zealand's national interests is fair and reasonable - and Rocket Lab has of course adhered to it for the time it has been in place. We are able to (and want to) operate under these conditions, and I feel as though this is some misinformation circling in the media about our launches contributing to the above activities - which by law they cannot. The large majority of the satellites we launch are science-based and directly benefit life on Earth for people, however the media coverage we get often skews this and can be misinformed.

Q33

Respondent skipped this question

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