

#42

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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, Work in the New Zealand space sector**

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

Q8

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

I have been employed at Rocket Lab for over 9 years as a mechanical design engineer. I have had an interest in space and space technology since a very young age.

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.

Leadership – New Zealand is relatively new to the space industry, but there are many areas where it is already punching well above its weight on a global level. Being a new entrant shouldn't necessarily limit our vision to just following in the footsteps of other nations before us.

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	4
Promoting the responsible uses of space internationally	3
Protecting and advancing our national security and economic interests	5
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	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?)

The space industry in New Zealand is a fast-moving and rapidly growing industry. The government should ensure that policy objectives remain current and applicable as the industry evolves.

Space activities are an excellent way to promote international collaboration. Partnering with other space agencies has been successfully demonstrated multiple times in the past (most notably on the ISS). New Zealand has the potential to become a key player in some ambitious planned future missions, especially as the global commercial space industry continues to grow rapidly.

Q14

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

Providing awareness and promoting space as a viable career path to secondary and tertiary students would enable growth in a local talent pool. I believe greater public engagement and understanding of the opportunities available would prove to be very beneficial.

Q15

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

N/A

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	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?)

As a recent entrant into the space industry, New Zealand has an opportunity to learn from the past and set an example for responsible use of space from the outset.

Q18

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

N/A

Q19

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

An appropriate balance should be found between responsible and sustainable space practices while also enabling and promoting local commercial space activities.

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 **Strongly agree**

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

Using space infrastructure and space technology to protect and advance New Zealand's national security interests is important, but I feel it is not well understood by the general public. There is misinformation around the application of military or defence satellites and their role in providing this security.

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?

N/A

Q23

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

N/A

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?)

There is a perception held by a proportion of the public that believe space activities can be very detrimental to the environment. I personally do not believe this is the case, especially when compared to other 'more normalised' industries in New Zealand. I hope that by assessing the cumulative environmental impact of space activities that a more informative understanding can be communicated, especially when considered against the benefits that space activities can provide.

Q26

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

N/A

Q27

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

N/A

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?)

N/A

Q30

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

N/A

Q31

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

N/A

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?

N/A

Q33

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

N/A
