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Page 3: Submitter Information

Q1

Personal Information

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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 **General interest in space, Academic involvement on space issues**
 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	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	2
Modelling sustainable space and Earth environments	1
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	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	Agree
Partnering within New Zealand and internationally to increase research and development capabilities	Strongly agree
Identifying opportunities to increase diversity in the space sector	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?)

While attracting international talent will be important to growing the space sector in NZ, I think it's equally important that we ensure it is done in a way that serves the interests of the country. We should avoid attracting large corporations with advantageous geography or regulatory frameworks only for them to claim the benefits and contribute little to our homegrown science/industry/etc.

Q14

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

I'd like to see more focus on education, both at tertiary and secondary levels. Space has a unique ability to captivate but as a specialised subject it can be unclear what the options for working in the industry are and how to get there. It also will often involve postgraduate study which is not well supported in NZ.

Q15

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

On the secondary level I'd suggest making a clearer connection between what students are learning and the actual applications. NCEA level physics is not interesting by itself (as the holder of a physics degree), but developing projects that let students pursue their personal interests would go a long way to attracting people to the field. The computer science standards do a better job at this.

I advocate for bringing back the student allowance for postgraduate students. This is especially important since Auckland is the only university to offer Aerospace Engineering at postgraduate level and the cost of living there is very high.

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

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

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 **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 **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

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

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 **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 **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?)

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?

Good. Please stick to them, especially the last one.

Q33 **Respondent skipped this question**

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