

#77

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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

No

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

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	Disagree
Responsibility	Disagree
Stewardship	Disagree
Partnership	Disagree

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.

Engagement with Māori is about much more than letting them open a meeting with a karakia and speaking in Te Roe. I am getting heartily saddened by the superficial engagement with Māori.

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	4
Modelling sustainable space and Earth environments	2
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	1

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?)

It seems that the consultation document has numerous references to economic development, economic benefits, "productivity" and "the global aerospace economy". However there is not a single reference to what I consider three crucial areas that are of the utmost importance in the development of New Zealand's Aerospace Industry.

1) No mention of New Zealand's commitment to peaceful uses of space, both as a member of the International Community of the United Nations and specifically as a member of the Committee on Peaceful Uses of Outer Space since 2017. A Committee established in 1959,

"to govern the exploration and use of space for the benefit of all humanity: for peace, security, and development". New Zealand cannot simply take the "development" criteria and forget "the peace and security of all humanity".

2) No mention of New Zealand's domestic and international disarmament obligations, as regards prohibited weapons, being nuclear, biological, and chemical weapons, inclusive of Custer munitions and any weapon system with inhumane and indiscriminate effects, prohibited by New Zealand law and by International humanitarian and human rights law.

3) No mention of New Zealand's disarmament policy which includes a commitment "to show leadership in the development of new rules, norms and standards around the use of outer space", and commitment to "new international law to ban and regulate autonomous weapon systems". Worryingly the Aerospace Strategy makes reference to "autonomous aerial vehicles": to "safely integrate all forms of autonomous vehicles, significant work has already been undertaken to establish New Zealand's leadership in this area, which will progress further for 2030".

Q14

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

It is absolutely vital that the new Aerospace New Zealand Strategy includes all three criteria already outlined to ensure that aerospace companies based in Aotearoa do not develop - or contribute to the development of - any technologies, aircraft, or spacecraft that goes against any of New Zealand's obligations and commitments to protect the use of space for peaceful purposes only.

Q15

Respondent skipped this question

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

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 **Neither agree nor disagree**

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?)

They seem admirable but how exactly are you going to undertake these objectives? There is no clarity.

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 **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?)

I do not believe launching US military payloads from New Zealand will advance our national security quite the opposite it will lay us open to unwanted attention from other international players.

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?

Yes our national security would best be served by refusing to launch military payloads, particularly as we do not seem to have any clear idea of what these military payloads are purporting to do.

Q23

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

We would be in a much better national position if we were launching satellites that supported research into environmental issues. Though knowing each launch depletes the Ozone layer further, hardly seems environmentally sound.

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 disagree
Assessing the cumulative impact of space activities on the Earth environment	Strongly disagree
Assisting with solving sustainability challenges through space data, including to better monitor or understand the Earth's environment	Strongly disagree
Investing in New Zealand's capability to retain, grow, access and use sustainable space technologies	Strongly disagree

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

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

Not having a space industry would definitely enhance Earth environments, and would make the reduction in my personal carbon footprint seem more worthwhile.

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 disagree**

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

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

I have no clear idea what you do to assess whether each military payload is safe and secure, you just seem to rubber stamp the permit because your primary concern is economic prosperity.

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 would very much like to know how Minister Stuart Nash is able to assess whether any of these forbidden space activities are in fact being violated or not violated.

Q33

Respondent skipped this question

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