

#32

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Page 3: Submitter Information

Q1

Personal Information

Name

Anne & Alistair Hall

Email Address



Q2

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

Yes (Please tell us your company/organisation):
The Yearly Meeting of Aotearoa New Zealand, the Religious Society of Friends (Quakers) Te Hāhi Tūhauwiri

Page 4: New Zealand's interests in space

Q7

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

Have cultural connections to space,

Other (please specify):

As is discussed later in our submission, we are particularly interested in ensuring that New Zealand's involvement in space promotes international wellbeing and peace and that the technologies developed are used for the good of humanity and to help address global concerns including climate change, growing global inequality and peace. Space science and technology should not become another area of international tension and conflict. Space needs to be declared and conserved as global commons with a competent authority under the UN to supervise all uses and activities in space.

Q8

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

As is discussed later in our submission, we are particularly interested in ensuring that New Zealand's involvement in space promotes international wellbeing and peace and that the technologies developed are used for the good of humanity and to help address global concerns including climate change, growing global inequality and peace. Space science and technology should not become another area of international tension and conflict. Space needs to be declared and conserved as global commons with a competent authority under the UN to supervise all uses and activities in space.

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.

In relation to innovation, we would emphasise that the innovation should be for the good of humanity and that improvements in productivity should be environmentally sustainable and for the wellbeing of all people not only New Zealanders.

In relation to Partnership, we strongly advocate that the focus on security be on preserving peace and well-being for all and to explicitly exclude the use of space for military or military related activities. We consider it totally inappropriate for space to become another area for military rivalry. We also emphasise that New Zealand's involvement in space should not involve us in supporting the military aspirations of any country nor involve activities that could potentially make us a target for military action.

Page 6: New Zealand's space policy objectives

Q11

Respondent skipped this question

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)

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	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?)

- 1). We think there should be an explicit reference to promoting New Zealand's natural advantage for the peaceful use of space and space research. We are very concerned that the policy as proposed does not explicitly exclude cooperating in space research and activities that have, or could have, military benefits to those we cooperate with. Nor does it explicitly recognise the risk that exploiting our 'natural advantage' could make us a target for military action. We think it is vital that New Zealand's space activities are undertaken within a framework of global cooperation and for peaceful use only.
- 2). Similarly, our international partnering must be done in ways that promote peace and cooperation and do not contribute to increasing international tensions.

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?

What political and diplomatic policy and work is the government proposing to undertake to support global cooperation in the space sector and to eliminate the risk of the space sector developing into an area of either inter-country or corporate rivalry and tension? We think New Zealand should push for a truly global international space authority that controls all space activity.

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	Strongly 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?)

The international rules, norms and standards, should be guided by the principle that space is to be used for the common good, not for either national advantage or private gain. There are already examples of space being used for nation state military purposes and for private profit and the international rules, norms and standards should prohibit both. NZ needs to promote the development of a competent and authoritative space agency to authorise and monitor all activity.

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

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

Our support for these policy objectives is contingent on the policy recognising that our 'national security interests' are best achieved by promoting international cooperation; not by 'taking sides' in international disputes. We also consider that international space policy should support global efforts to address climate change and environmental sustainability. We are opposed to space activities that are harmful to the environment. The practical achievement of these objectives would greatly benefit from global cooperation and universally agreed international treaties on the use of space and space technologies. It well behoves New Zealand to promote such agreements.

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?

A commitment to push for and join a truly global international space authority that controls all space activity. In the absence of such an authority New Zealand should explicitly commit not to align itself with any side in big power space rivalry.

Q23

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

Space activities need to be managed in a way that is highly transparent so that the community can understand and know what our lands and resources are being used for and who we are working with.

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	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?)

- 1.) We recommend adding a commitment to promoting global policies to protect and monitor the cumulative impact of activities on the 'space environment'. We note already there is a major concern about 'space junk' and with greater global activity will come greater risks unless effective internationally agreed policies are established and policed to ensure the protection of the 'space environment'.
- 2.) An explicit commitment to focussing the space sector on activities and research that contribute to addressing global issues and promoting peace and international cooperation.
- 3.) A commitment to taking the learnings and innovations from space research and adapting them for use in other areas where they will benefit global well-being.

Q26

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

We think there should be an explicit policy objective that states that the sustainable space and earth environments are there for the good of all, and their use should be regulated at global level to ensure that use is in the global interest not simply for private profit or partisan advantage.

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 **Strongly agree**

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

The use of space technologies is, in most cases, no respecter of political boundaries and therefore it is very much in New Zealand's interest to promote through the United Nations and other international bodies the development of internationally agreed codes of practice and standards for the use of space technologies.

Q30

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

As referred to above NZ should promote the development of a competent and authoritative international space agency to authorise and monitor all space activity preferably under the United Nations.

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?

- with the intended end use of enabling or supporting specific defence, security or intelligence operations that are contrary to government policy

We think that this is too narrow – the Minister should commit to not authorising space activities that enable or support defence, security or intelligence operations.

There are 2 reasons for this. Firstly, supporting any such operation contributes to the militarisation of space; and secondly any such involvement by New Zealand turns us into a potential military target and is a direct threat to our peace and well-being

Q33

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

How will the Government ensure that New Zealand's commitments under this policy enhance New Zealand's scientific, development and research interests rather than divert expertise and skills into space activity and away from other more important areas of science and innovation?
