

#14

COMPLETE



Page 3: Submitter Information

Q1

Personal Information

Name	<b>Nigel Sewell</b>
Email Address	[Redacted]

Q2

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

Yes (Please tell us your company/organisation):  
Nigel Sewell Software Ltd(UK)

Page 4: New Zealand's interests in space

Q7

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

**General interest in space,**  
Other (please specify):  
Expat New Zealander Currently working in the space sector in the UK.

Q8

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

I have previously worked on the following European Space Agency (ESA) Projects:

- Mars Express: ISVV Engineer.
- SWARM: On Board Software Engineer.
- EarthCare: Instrument Software Engineer.
- SOLO: On Board Software & Validation Engineer.
- Exo-Mars Rover (Rosalind Franklin): On Board Software & Validation Engineer.

I am currently working on the ELSA-M Mission for Astroscale as a Software Engineer.

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	<b>Strongly agree</b>
Responsibility	<b>Agree</b>
Stewardship	<b>Agree</b>
Partnership	<b>Agree</b>

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**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.

I think it imperative that all New Zealanders should be able to benefit from access to space based technology and scientific discovery.

Likewise access to NZ space programmes should not be limited to a few overseas companies. Where importing of technology is necessary, the government should stipulate local employment and skills building be prioritised.

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

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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 **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?)

Partnering with overseas companies should lok to grow local knowledge and capabilities.

**Q14**

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

No.

**Q15**

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

No.

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 **Agree**
- Collaborating internationally to increase New Zealand's influence and capabilities in the global space sector **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?)

Partnering with other like minded launch states should include automatic agreement negation and compensation in cases like this : <https://www.sciencetimes.com/articles/36677/20220318/esa-suspends-exomars-rover-mission-ends-partnership-russia-amid-ukraine.htm>

I have been personally very disappointed that my work has been impacted in this way, and this should have never happened if a more strict polict of like-minded states had been followed.

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**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?

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**Q19**

Respondent skipped this question

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

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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**

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**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?)

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**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?

Developing NZs own capability to build its own satellites and launch capabilities is critical to being an independent player in space.

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**Q23**

Respondent skipped this question

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

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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 **Agree**

Assisting with solving sustainability challenges through space data, including to better monitor or understand the Earth's environment **Agree**

Investing in New Zealand's capability to retain, grow, access and use sustainable space technologies **Agree**

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**Q25**

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

No.

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**Q26**

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

No.

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**Q27**

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

No.

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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 **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**

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**Q29**

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

No.

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**Q30**

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

No.

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**Q31**

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

No.

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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?

No.

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**Q33**

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

No.

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