

Submission on developing the Aotearoa New Zealand Aerospace Strategy

Your name and organisation

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Organisation (if applicable)	University of Auckland

Overview of the Aerospace Strategy

- Question 1:** Do the four areas above provide the right basis for the Aerospace Strategy?
- Question 2:** What are the critical factors that you see for aerospace sector development?
- Question 3:** How would an Aerospace Strategy help you?

Please type your submission below. If applicable, please indicate the question(s) to which you are responding.

Area One - A strategy for building our aerospace sector

- Question 4:** Is the 2030 Future State set out in a way that enables New Zealand to build on its existing advantages to develop a leading place in the global aerospace economy?
- Question 5:** Will the 2030 Future State support your ambitions for growth and participation in the sector?
- Question 6:** What barriers are there to optimising sector growth?
- Question 7:** How could the government and the sector work together to achieve the 2030 Future State?
- Question 8:** How can the Government enable Māori ambitions for the sector?

Please type your submission below. If applicable, please indicate the question(s) to which you are responding.

Area Two - Building strong foundations (Three Pillars)

Question 9: What do you think of the Three Pillars and do you think they will support the 2030 Future State?

Question 10: What else would you like to see in the Three Pillars?

Question 11: What actions and initiatives could the sector focus on to support the Three Pillars?

Please type your submission below. If applicable, please indicate the question(s) to which you are responding.

Area Three - Goals for 2030

Question 12: What do you think of the Goals for 2030?

Question 13: Are the goals framed in a way that will enable New Zealand to build on its strengths and comparative advantages to achieve the 2030 Future State?

Question 14: What activities and milestones can help us achieve these Goals?

Question 15: Where do you see yourself in realising these Goals?

Please type your submission below. If applicable, please indicate the question(s) to which you are responding.

Q12: We are very concerned about Goal #4 “actively support a permanent human presence in space”. Of all the listed goals, there needs to be a goal that the NZ public can actually get excited about but that also has the potential to answer fundamental questions such as projects like the James Webb telescope, or the sampling of the Ryugu asteroid by the Hayabusa2. Given the magnitude of these ambitious projects, NZ will undoubtedly partner with other nations to see a project of this scale through to completion. There is enormous interest in both the public and private space right now for space exploration. NZ needs to engage with a mission that is new and exciting, that will spark the interest of country. Humanity has had a continuous human space presence with the ISS since 2000. What about this “business as usual” approach will inspire New Zealand’s public or its industry to get behind this? In the grand scheme of space exploration, promoting a human presence is also very limiting and fails to address many of the “big picture” scientific and philosophic questions that can only be answered by further afield missions. We suggest targeting a mission that meets 3 goals: 1) creates new opportunity for industry growth, 2) addresses “big picture” scientific and philosophic questions and 3) will engage and inspire the NZ public leading to a future generation of innovation and discovery. We urge you not to limit the scope of NZ’s space exploration capability.

Q14: “What activities and milestones can help us achieve these Goals”. Aerospace strategies, particularly concerning space exploration require a merging of industry capability with scientific purpose. Facilitating large-scale working groups which bring together these two camps would be a significant activity toward helping to achieve these goals.

Q15: We see limited potential for helping to realise these goals as currently defined, but hope that with a restructuring, we will be able to help define some of the fundamental questions that will drive this burgeoning industry.

Area Four - Pathway to the 2030 Future State

Question 16: What policies, ideas, actions, and/or initiatives would you like to see in the Action Plan to help achieve the ambitious 2030 Future State?

Question 17: What would be the benefits of these actions and how would they help grow the New Zealand aerospace sector?

Question 18: How would you like to be involved in the delivery of the Aerospace Strategy?

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