

Auckland ATC Tower Replacement

Question 1: Do you have any feedback on the Auckland ATC Tower replacement options outlined?

- Which construction methods (including pre-assembly) are under consideration for the considered replacement tower option and hybrid tower? For example, the London Heathrow 87M tower installed in 2007, was largely prefabricated in modules on site, and erected quickly to prevent operational disruption.
- Why limit the hybrid tower to 35M instead of 70M?
- What's the expected lifespan of each solution?
- Allegedly the conventional option delivers lowest safety risk, – can the hybrid/digital options safety risk be mitigated to match or even further reduce that of the conventional tower?
- What's the depreciation period? Any tax/finance advantage from NZ Government for each solution?
- What's the operational evaluation in terms of OPEX for each solution? In other words, what's the implication of each solution in number of ATCOs employed?
- What's the financial risk and who bears the project risk in terms of any higher costs / longer realization time?
- In 5.2 Airways says that the “digital tower have higher ongoing operating costs and requires more frequent lifecycle replacement”. Please quantify in more detail in order to compare the proposals.

Question 2: Do you have any feedback on Airways preferred approach for the replacement of the Auckland ATC Tower?

- The qualitative/operational considerations of the preferred approach are understood. The proposal lacks information regarding OPEX considerations and costs.
- No consideration seems to be given to the lifetime of this proposal vs the others. A detailed CAPEX/maintenance summary for each solution would provide us more understanding why the hybrid tower is the preferred solution.
- The existing tower is reaching either end of life and / or lease, which factor is deciding /more critical?
- For comparison with the other options what are implications of extending the lease & life span of the existing tower, perhaps then allowing time to develop the digital option?

Question 3: Do you have any feedback on the changes highlighted to the Capital Plan in 5.1?

- The tables in 5.x exclude some information. The various solutions need lifetime before replacement, maintenance costs, and OPEX considerations in order to be correctly compared.