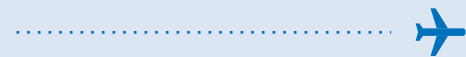
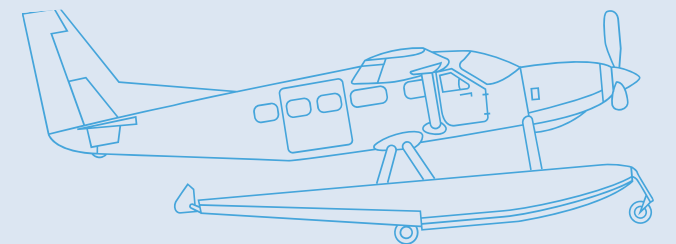


Design Delegation Holders' Seminar 2024



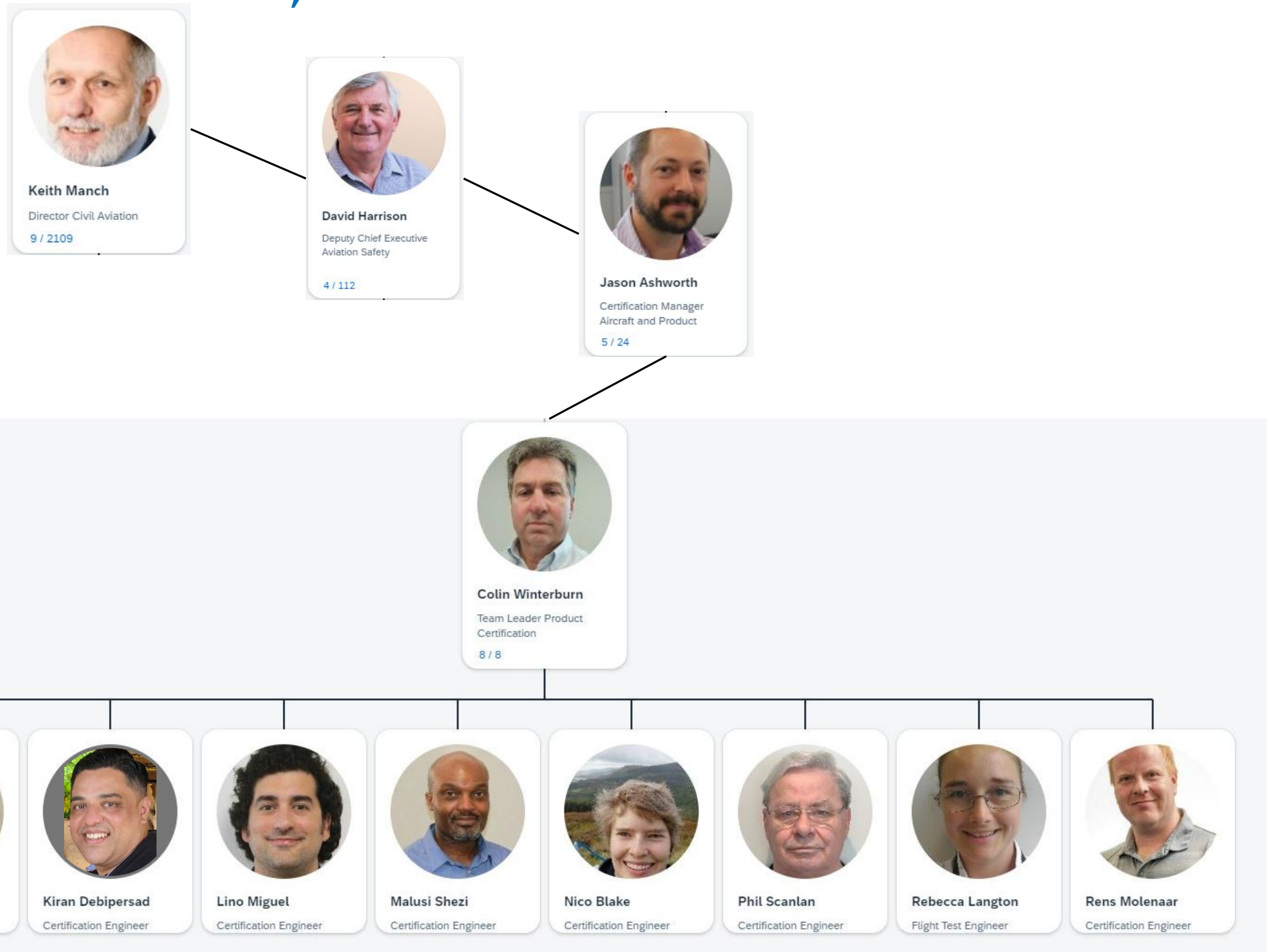
Product Certification Team Update



Product Certification Team Update

- Product Certification team changes
 - Introducing newer team member
- Current certification workload
- Ongoing Activities
- CPD and Engagements

Product Certification Team



One current vacancy in active recruitment

New Team Member



Chris Thomson – Certification Engineer

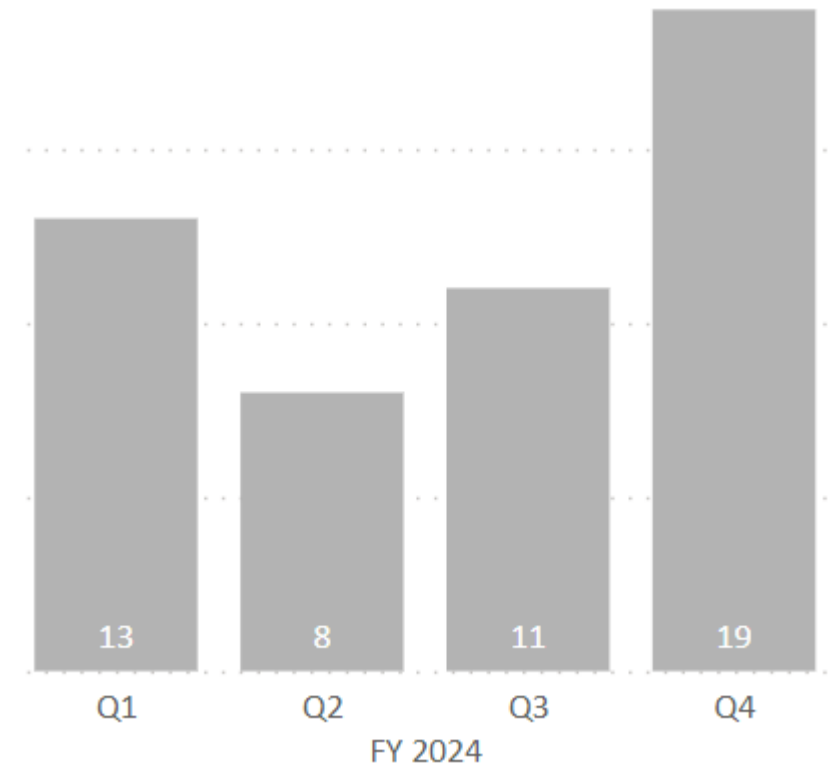
- Joined Product Certification Team end of July 2024
- CAA Airworthiness Engineer 2006-2009
- **Aviation industry:** UAVNZ (Callaghan Innovation), AIM-Altitude, Pacific Aerospace, RNZAF, Air NZ Engineering Services
- **Other roles:** Hot Lime Labs (CO2 capture startup), MPI (investment programmes), Callaghan Innovation (R&D, commercialization), Vestas (wind turbine blade design)
- **Expertise:** structures (incl composites, F&DT, FEA, additive manufacturing), cabin safety, crashworthiness, equipment and mechanical systems



Current certification workload

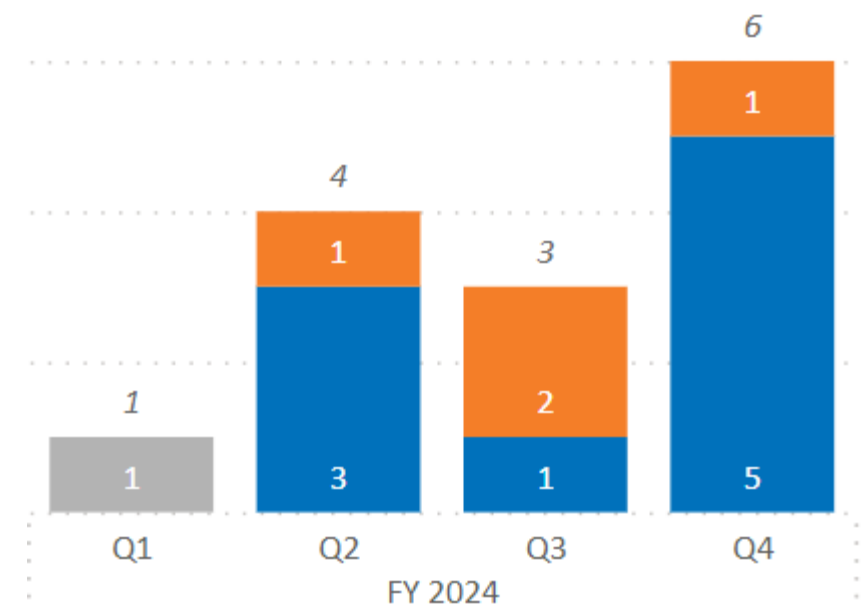
- Major and Minor Modifications (MOD)

- 8 open - 8 active
- 51 new application in FY2024



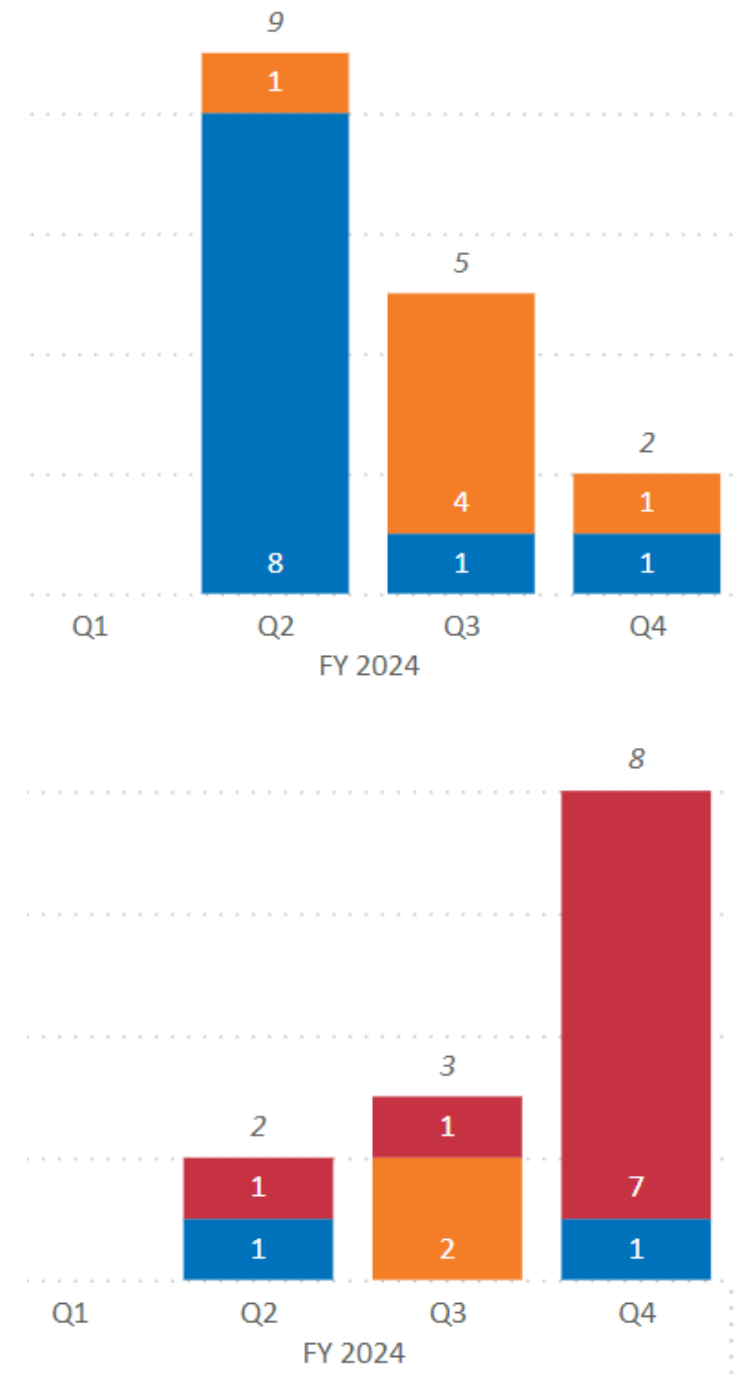
- Supplemental Type Certificates - STCs (21E)

- 26 open - 11 active
- 4 amendments and 10 new applications in FY2024



Current certification workload

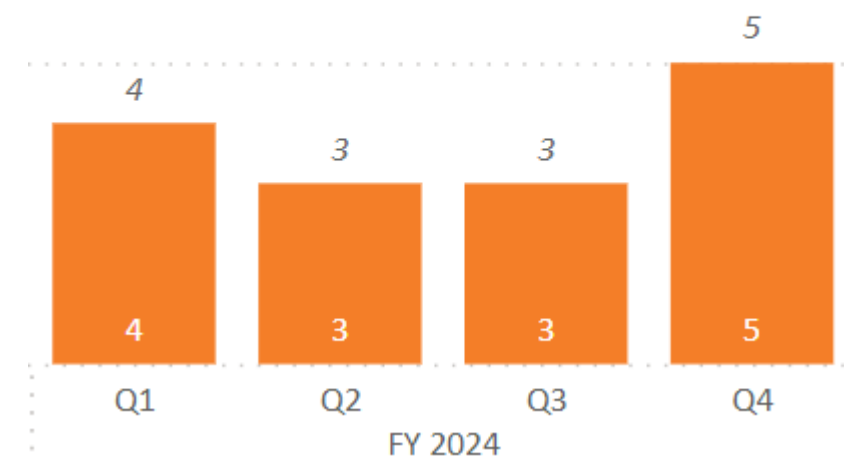
- Type Certification Amendments & Type Acceptance (21B)
 - 10 open - 6 active
 - 6 amendments and 10 new application in FY2024
- Design delegation issues or renewals (DDH)
 - 8 open - 8 active
 - 9 renewals and 2 amendments and 2 new applications in FY2024



Current certification workload

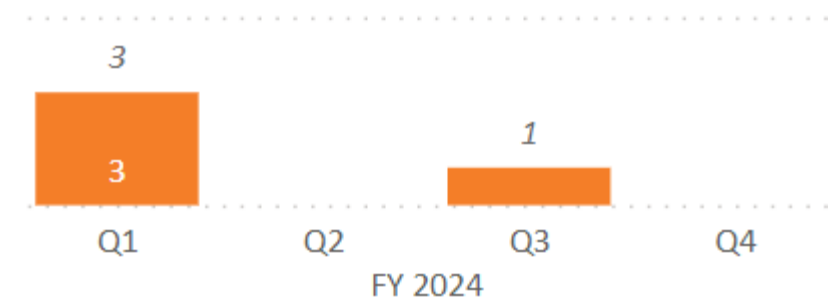
- Validations and data acceptance (21N)

- 13 open - 3 active
- 15 new application in FY2024



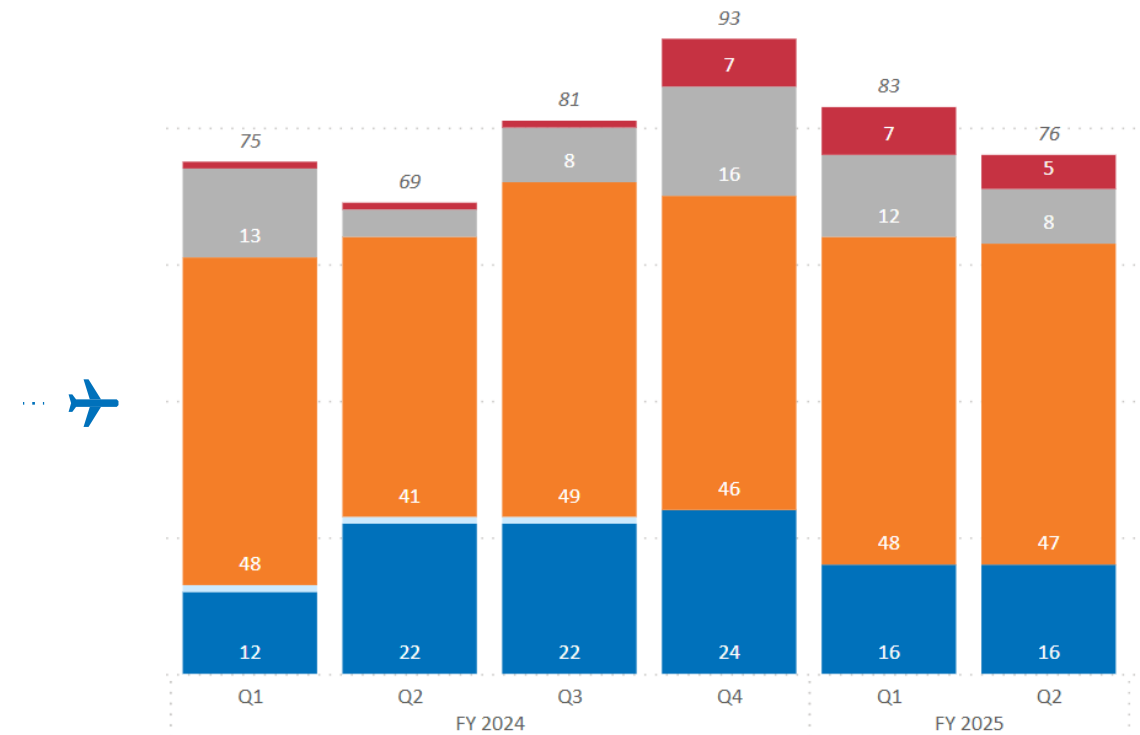
- Operational Approvals (NAV, EFB)

- 11 open - 8 active
- 4 new application in FY2024



Current certification workload

- **Total Certification Work Requests**
 - 76 open – 44 active
 - Increasing open requests Q2-Q4 FY2024
 - Team capacity reduction
 - Reducing open requests Q4 FY2024 to Q2 FY2025 as team capacity re-building
- **Additional activity supporting other CAA units**
 - Organisation Certification
 - Flight Test activity
 - Exemption requests
 - Investigations



Product Certification Ongoing Activity

- Supporting Emerging Technologies Programme and industry referrals
- EMPIC introduction (Kapua)
 - Aligning internal procedures and system testing
- Implementation of the Civil Aviation Act 2023
 - on-going activity supporting rules alignment
- Publication of technical guidance and updated Advisory Circulars – work ongoing
 - AC 146-1 revision - drafting and internal review
- Development of certification standards through international committees.
 - ASTM, SAE, Multi Regulator working groups etc.



Beta CX300 – Image Source: Air New Zealand / Beta Technologies



Civil Aviation Act 2023

Public Act 2023 No 10
Date of assent 5 April 2023
Commencement see section 2

Contents

CPD and Engagements

- CAA encourages Design Delegation Holders and other Part 146 personnel to develop and engage in programmes of continuing professional development.
- Product Certification team engage in various activities to remain aligned with other regulators and aware of industry developments.
 - Direct NAA interactions on TC and STC validation projects
 - Involvement in development of certification standards
 - Multi Regulator committees and conferences
 - Industry technical meetings and symposiums
 - Training opportunities and courses
- Multiple opportunities for development and engagement available for industry locally and internationally
 - Majority of activity can utilize virtual tools to minimize costs



Airbus H160 – Image Source: Airbus



NASA X-57 Wing – Image Source: NASA

Post-Seminar Refreshments

Bar (5-6 pm onwards)

Various selection of food platters



Thank you

Our values

Collaboration

Me mahi tahi

We work together to achieve
and succeed

Transparency

Me mahi pono

We are open and honest
communicators

Integrity

Me mahi tika

We do the right thing

Respect

Me manaaki

We treat all people with
consideration and kindness

Professionalism

Kia tū rangatira ai

We act in a way that brings credit
to ourselves and our organisation

