



# The Past: DDHC-15 to 2017

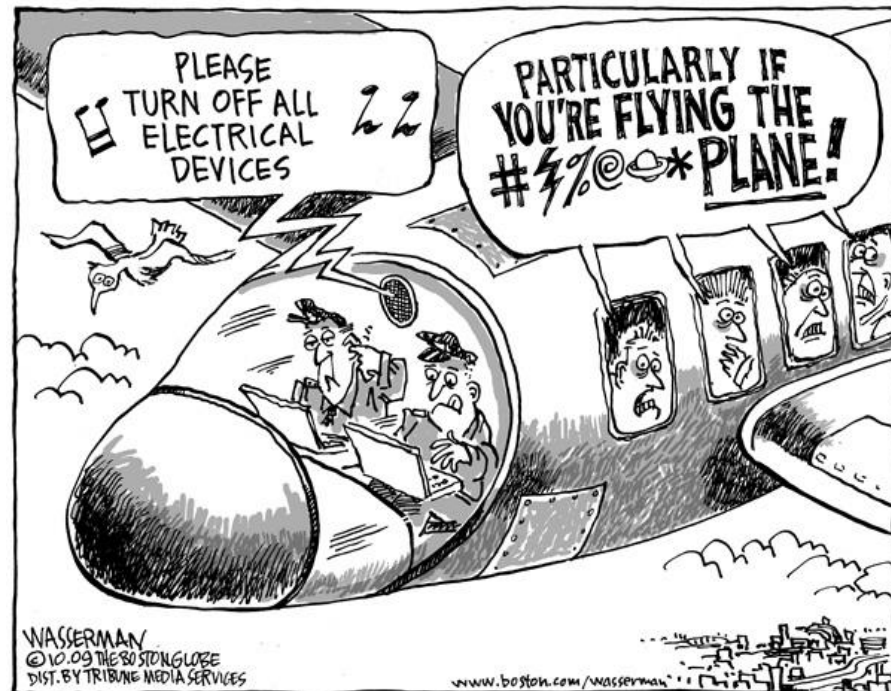
2017 Design Delegation Holders' Seminar

Shaun Johnson  
Manager Airworthiness

May 2017

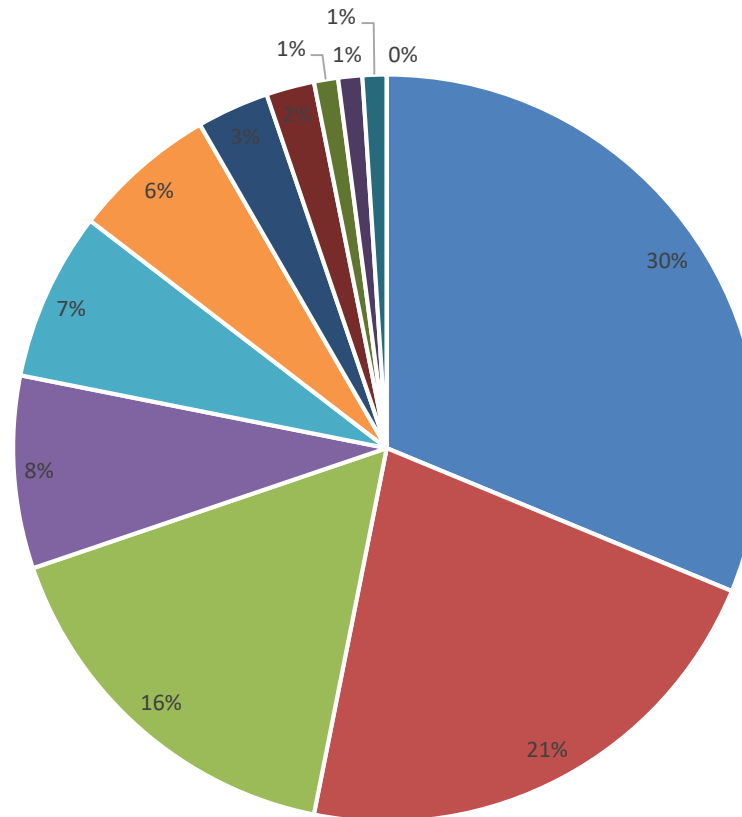
“A common mistake that people make when trying to design something completely foolproof is to underestimate the ingenuity of complete fools.”

— Douglas Adams



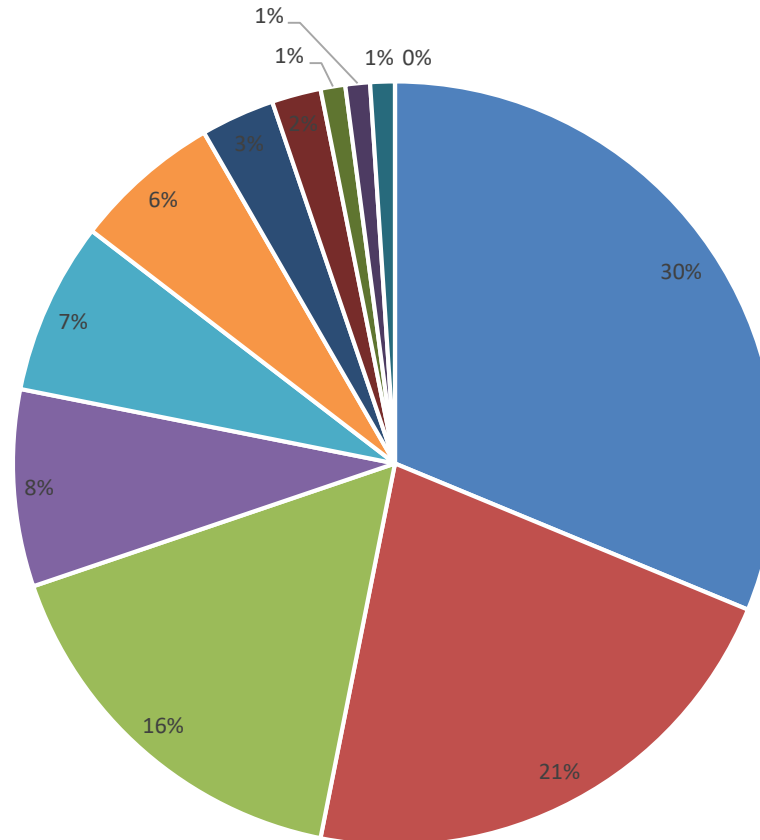
- Our Participants
- Engineering Change Approvals
- 146 Organisations & Delegates
- International Regulatory Partnerships
- The New Airworthiness Unit Structure

## 5132 NZ Aircraft by Category



- Small Aeroplanes
- Microlight
- Helicopters
- Parachute, Paraglider, or Hang Glider
- Glider or Power Glider
- Amateur Built Aircraft
- Sport Aeroplane
- Agricultural Aeroplanes
- Medium Aeroplanes
- Gyroplane
- Balloon
- Other

## 4997 Aircraft for Potential Design Support



- Small Aeroplanes
- Glider or Power Glider
- Medium Aeroplanes

- Microlight
- Amateur Built Aircraft
- Gyroplane

- Helicopters
- Sport Aeroplane
- Balloon

- Parachute, Paraglider, or Hang Glider
- Agricultural Aeroplanes
- Other

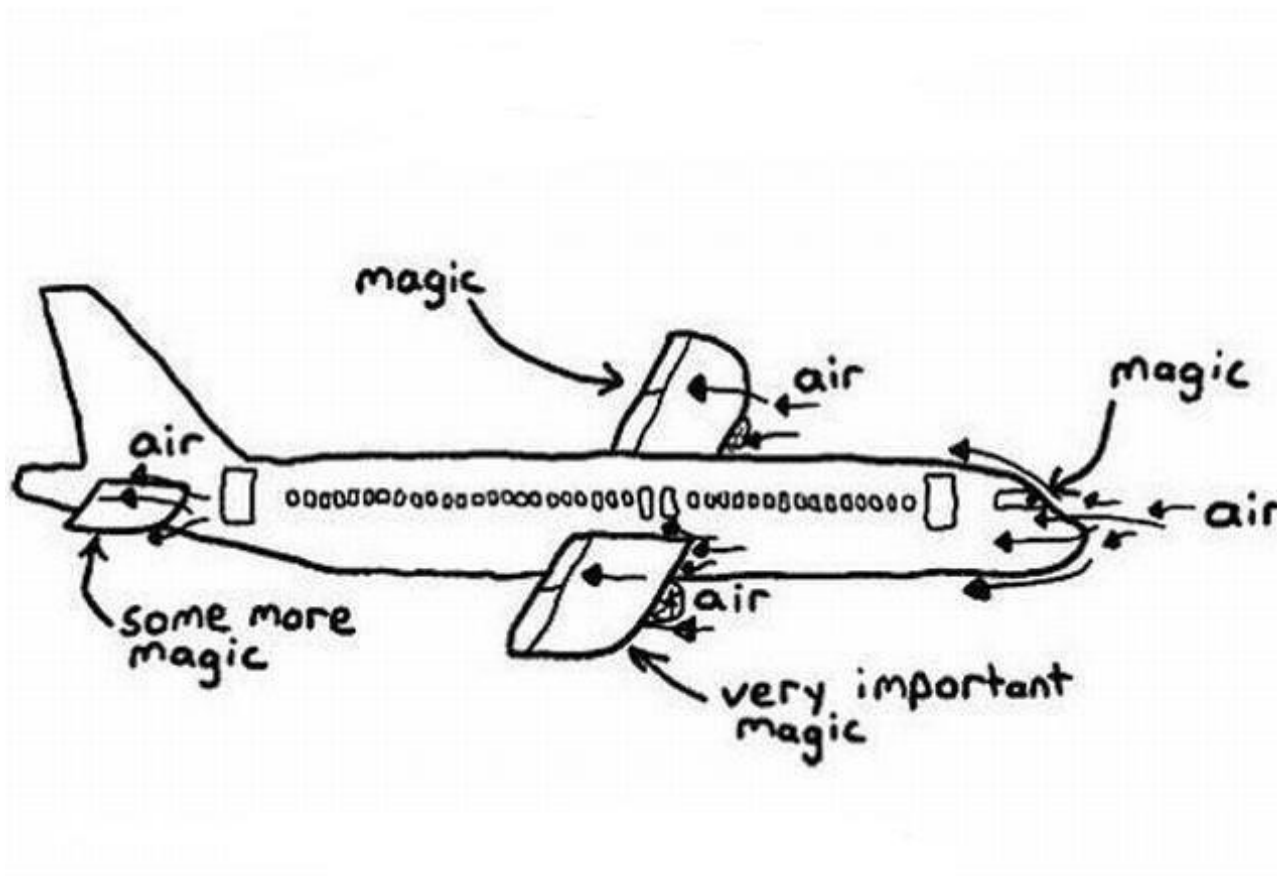
- 12 Part 146 Design Organisations
  - One new application, two pending and two expressions of interest
- Numerous organisation and delegate renewals and audits conducted – Jason to discuss
- Four new Delegates:
  - **Cameron Ready** – Safe Air / Airbus NZ
  - **James Wyllie** – Air NZ
  - **Matthew Pepler** – Air NZ
  - **James Powell** – Airwork
- Hopefully more to follow for 2017/18
  - We are open to limited-scope approvals

- Major Mod Authorisations:
  - 2015 – 45 requested, 40 authorised
  - 2016 – 44 requested, 38 authorised
  - 2017 – 15 requested, 15 authorised
- Supplemental Type Certificates:
  - 84 approved since 2015
  - 62 pending / under review
- 337 Modification Approvals
  - 47 approvals – by CAA – since 2017
  - Far too many – to be discussed!

- CAANZ Currently maintains 12 international agreements and arrangements
- Federal Aviation Administration Bilateral Safety Agreement – Implementation Procedures for Airworthiness
  - Updated / expanded Dec 2015 to include STCs for non-US State of Design Aircraft
  - Further work underway to streamline STC validation process
  - We have now received FAA Validation certificates for all but Part 23 STCs: Any volunteers?



## Shaun's Part 23 Validation Submission: New and Novel Lift Mechanism



- Civil Aviation Authority of China – 2012 Technical Arrangement on Design Approval, Export Airworthiness Certification and Post Design Approval Activities
  - Recently signed a CAAC-CAANZ agreement outlining a *Partnership for Safety* in the pacific
  - Addition of Special Arrangement to cover PAL 750XL Assembly in China
  - Further updates for aircraft and parts production pending
  - Additional aircraft / Products likely to be added over next 12 months

- Civil Aviation Authority of Australia
  - Working on mutual recognition of Part 145 organisations
  - Committed to reinitiate discussions on engineering change approval recognition
  - Working together in the Pacific

- Other International Commitments
  - CAA/AW to participate in a new FAA-Asia/Pacific Working Group on UAV certification
  - New standing invite to the annual FAA-EASA Safety Conference
  - CAA/AW to join Joint Authorities for Rule Making on Unmanned Systems (JARUS) Working Group #6 – Specific Operations Risk Assessment
  - Ongoing support to the Pacific through the Pacific Aviation Safety Organisation (PASO)

- As a component of broader CAA initiatives to become a risk-based intelligence led regulatory authority the Airworthiness and Air Transport Group restructured late 2016 to:
  - Amalgamate Aircraft Certification Unit and Aircraft Maintenance Unit
  - Realign teams by high-level function: Registration, Product Certification (146, 148) and Continuing Airworthiness (145, 19F)
  - Created four new positions:
    - Operational Safety Specialist
    - Senior Technical Specialist Maintenance Programs; and
    - Airworthiness Inspector Avionics
    - Additional Admin Assistant



## Air Transport and Airworthiness Group

Reports to Director of Civil Aviation

**Deputy Director Air Transport  
and Airworthiness**  
Mark Hughes

**Executive Assistant**  
Diana Scrimgeour

**Operational Safety Specialist**  
Vacant

**Lead Sector Risk Profile**  
John McKinlay\*\*

**Manager Air Transport**  
Allan MacLean

**Manager Airworthiness**  
Shaun Johnson

**Manager APU**  
Ray Harvey

**Director New Southern Sky**  
Steve Smyth\*\*

**Team Leader 125/  
135 Flight Ops**  
Alan Daley

**Team Leader 121/129  
Flight Ops**  
Rod Buchanan

**Team Leader Continuing  
Airworthiness**  
Warren Hadfield

**Team Leader Product  
Certification**  
Jason Ashworth

**Team Leader Registration  
& Airworthiness**  
David Gill

**Senior Administration  
Officer\*\***  
Heidi Jordan\*\*

**Project Portfolio  
Coordinator\*\***  
Lydia Randall

**Human Factors and  
Project Specialist\*\***  
Laurie Earl

**System Safety and Project  
Specialist\*\***  
Vacant

**Technical Specialist –  
Exemptions**  
Elena Giromini

**ICAO Projects Delivery  
Coordinator\*\***  
Vacant – Thibault  
Fourestier WEF 10/04/  
2017

**Programme  
Coordinator (NSS)**  
Scott Earley\*\*

**Air Transport Inspector  
(Flight Operations)**  
Terry Curtis (CHC)  
Vacant  
Vacant – Ryan Nicholl WEF  
08/05/17  
Chris Nicholls

**STS – International  
Operations**  
Warwick Bell

**Air Transport Inspector  
(Flight Operations)**  
Graeme Young(CHC)  
Robin Campbell (AKLD)  
Vacant

**Cabin Safety Inspector**  
Mary Wallis

**ADMIN**

**Group Executive Officer**  
Carmelita O'Connor

**Senior Administration Officer**  
Charlotte Rose

**Senior Administration Officer**  
Kayla Doherty\*\*

**Airworthiness  
Inspector (Avionics)**  
Vacant

**STS Maintenance  
Programmes**  
Vacant

**Airworthiness  
Inspector**  
Javir Singh  
Jonathan Mayne  
Steve Shaw  
Robert Blackmore  
Austin Healy\*  
Vacant

**Airworthiness  
Engineer**  
Andrea Wadsworth  
Gataeno Settineri  
Vacant – Kavita van  
Mari WEF 15/05/17

**Airworthiness  
Engineer (Avionics)**  
Alessio Caldara  
Charlie Morris  
Phillip Scanlan

**Airworthiness Engineer  
(Secondment)**  
Craig Bamber

**Airworthiness Inspector**  
Gary Leach

**Airworthiness Specialist**  
Owen Olls

**Senior Aircraft Registrar**  
Julia Reed

**Aircraft Registrar**  
Judith Fuller (0.5 FTE)

**Airworthiness Engineer  
(Avionics)**  
David Rush\*\*

### Legend

- Blue - Vacancy within existing establishment
- Red\* - Contractor within establishment
- Red\*\* - Contractor outside establishment
- Green - Casual Employees
- Orange - Temporary Employees
- Pink\* - Fixed Term within establishment
- Pink\*\* - Fixed Term outside establishment
- Purple – Secondment
- Purple\* - Secondment to SMS

5.

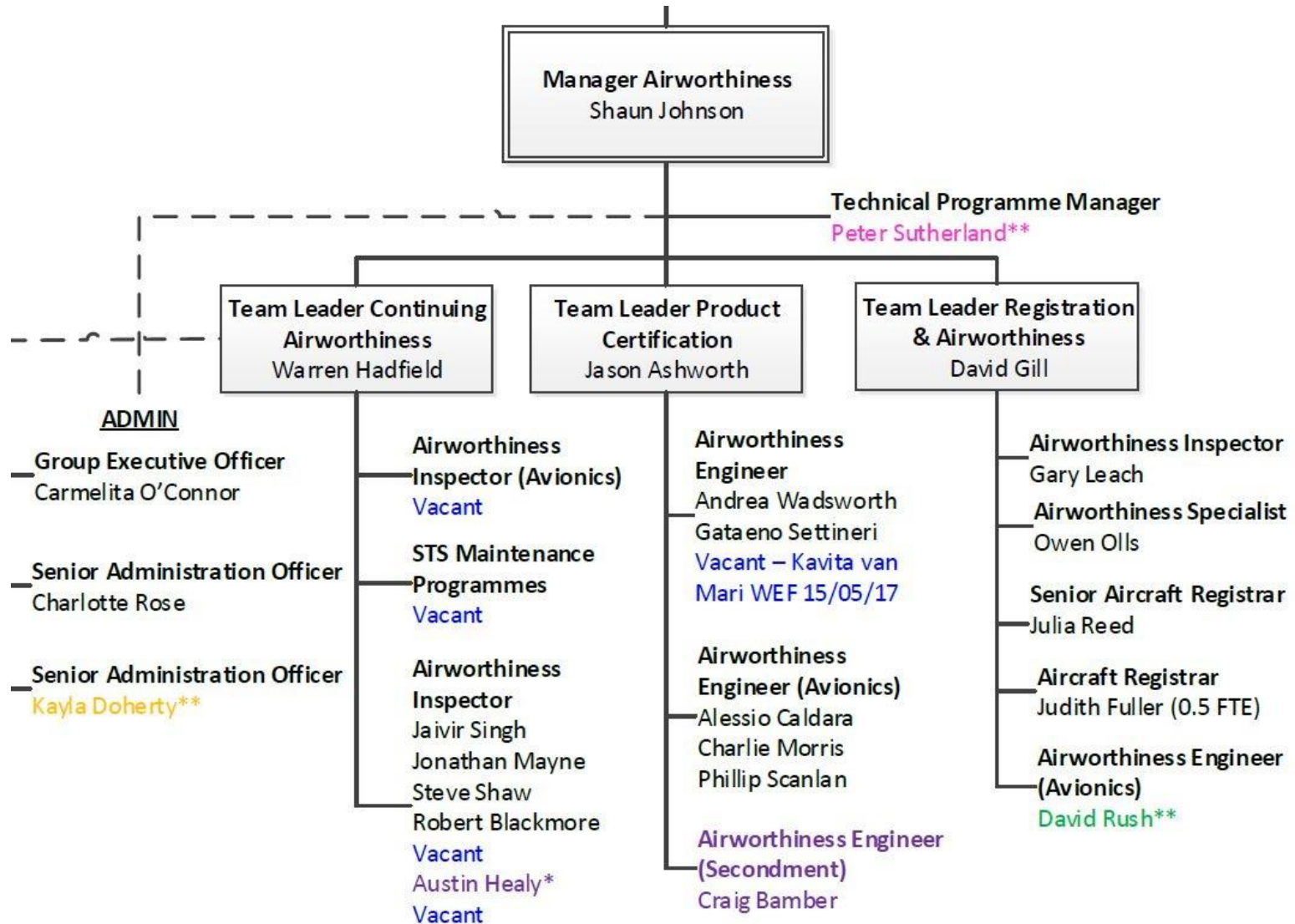
Director of Civil Aviation:

Date: 01 May 2017

# senior technical specialist roles not filled are not included  
in establishment numbers

## Airworthiness Unit Team Leaders







# Aviation Safety

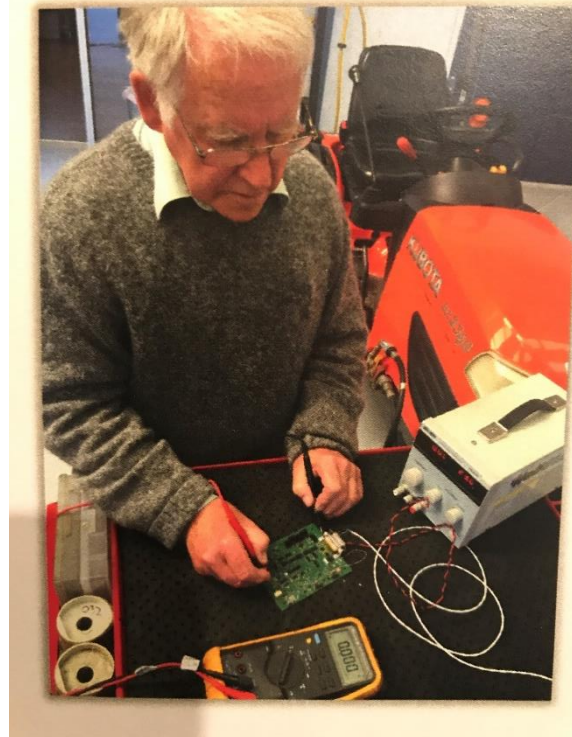
## He Waka Eke Noa

*Aviation Safety is a canoe which we are all in with no exception*

***Any Questions?***

# Keith David James

Dec 1940 – Feb 2017



**Kua hinga te Totara i te wao nui a Tane**  
*The totara has fallen in the forest of Tane*