

AIRWAYS

NZZO operations update

Craig Smith
ISPACG 40 - Brisbane
May 2026



What we do



OUR PURPOSE

**Safe skies today
and tomorrow**

OUR VISION IS TO

**Create the aviation
environment of
the future**

OUR VALUES

We are **safe**

Safety is at the forefront of everything we do. We are committed to the safety of our people, our operations and the communities we serve.

We are **one Airways**

We all have our own areas of expertise and by working together and sharing knowledge, we achieve our aspiration.

We strive for **excellence**

We deliver our best work each and every day, and look for ways to continue to improve what we do.

We celebrate **success**

We recognise our people's achievements, big and small, and celebrate our successes.



Traffic trends

- Some reduction in traffic due to increased fuel costs as a result of the Iran conflict
- Prior to the conflict, traffic numbers were trending upwards
- More airspace disruption due to rocket launches and debris re-entries – becoming more common for multiple entries in a single day.
- Other new entrants seeking to use the airspace, such as Kea Aerospace and Dawn.

AURORA SPACEPLANE

From Earth to Space
Twice a Day.



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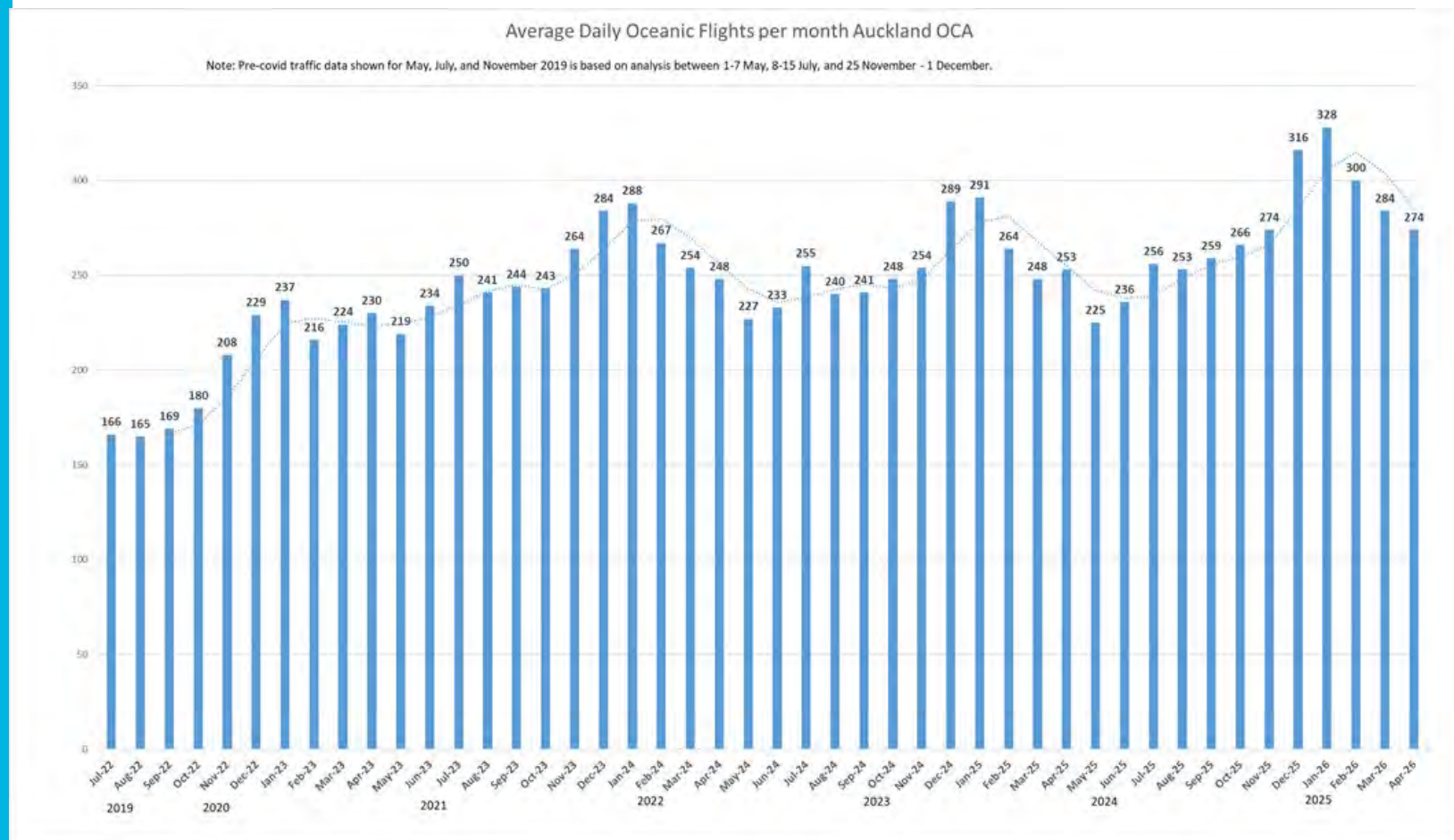
**We're creating sustainable
aerospace technology for the benefit
of people and the planet.**

[Our Stratospheric Journey →](#)



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Traffic numbers - NZZO



Single busiest day – 363 flights

In the pipeline

- Domestic re-sectorisation project (ongoing)
- Recruitment and training
- Airways International focus
- Transition to a new Voice Switch – August (OCS and HF)
- New control tower at Auckland, exploring digital solutions



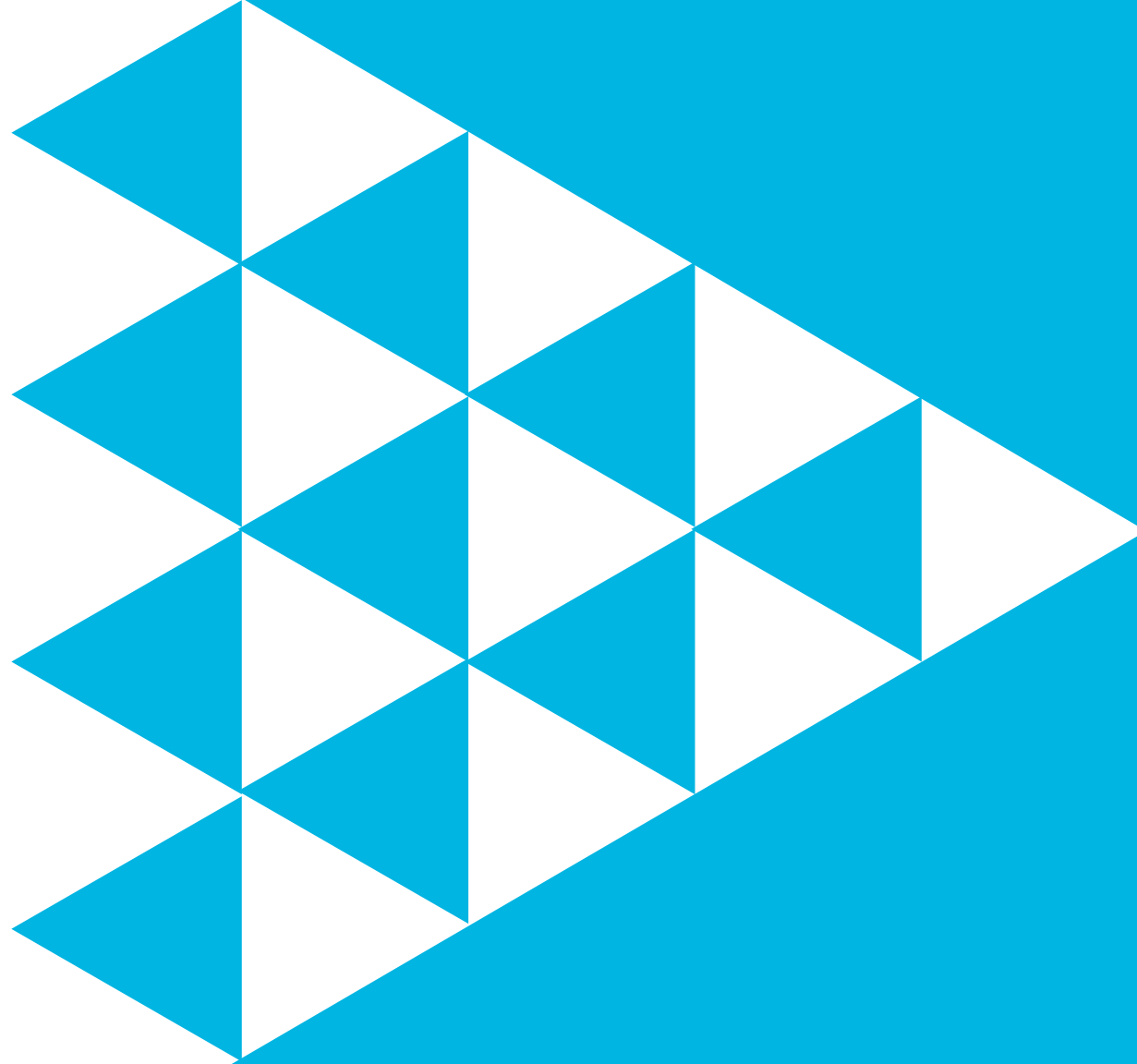
Plans for the next 12 months

- Discovery phase for Oceanic system replacement
- Ongoing training, particularly Oceanic roles
- Roster review for Auckland Radio – looking to extend dual coverage hours
- HF Contingency arrangements with Airservices (see paper)
- Review of separation exemption options with a view to expand these
- Regular operations from our contingency centre for training and readiness

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Airways Software Update

ISPACG 40 FIT
Yuri van den Bongard
May 2026



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Software Changes – Last 12 Months



List of Software changes

- ▶ OCS-Skyline LAM Processing
- ▶ Display changes to ensure the “REPORT BACK ON ROUTE” is now automatically appended to a UM80 weather deviation CPDLC message.
- ▶ Late Coordination with YBBB – Coordination is now sent to YBBB and notification for YMMM expanded boundary.
- ▶ Set up an Auckland Development Reserve Platform – The platform can now be configured to either dual-FDP main platform or single FDP main and reserve platforms.
- ▶ SECCON Significant Change Indicator – After the removal of the SSR code from the strip window, the ‘out of view’ indicator won’t be triggered by SSR code changes.
- ▶ Planning for OCS Hardening work to strengthen the system

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Software Changes – Next 12 Months



List of Upcoming Software Changes continued

- ▶ Implement enroute hold
- ▶ OCS Hardware Refresh – Initial IBM P10 series servers received. Progress has been made towards building them to suit our needs. Development lab to be set up in the next few months and then testing can start.
- ▶ Change voice switch Frequentis to Rohde and Schwarz – est July 2025
- ▶ SWIM LAB and Phase 1 Development

List of Upcoming Software Changes – OCS Hardening (12-18 Months)

- ▶ Update of the language used for DATALINK messaging in OCS from X.25 (BATAP) to IP (MATIP). This will allow us to replace the aging router in Christchurch which connects to Collins, our service provider. (May 26)
- ▶ Datalink in Reserve, testing started planned for June 26
- ▶ Migrate OCS and AirGround to Rhode & Schwarz IP-VCS system (Aug 26)
- ▶ Hardware Replacement, and Migrate codebase from AIX7.1 to AIX 7.3 on latest gen of HW (IBM Power 10)
- ▶ Implement upgraded Sync Server System

List of Upcoming Software Changes – OCS Hardening (12-18 Months)

- ▶ Develop microservice based GRIB weather processing
- ▶ Remove and replace Oceanic Middleware
- ▶ Migrate OCS & AirGround code base to 64-bit compilation, to be ported to Linux/FreeBSD
- ▶ Migration of screen recorder
- ▶ Develop web-based Datalink simulator
- ▶ After in parallel plan for OCS GEN II



Any Questions

Questions?

