

**AIRWAYS**

# FF-ICE – Progress in New Zealand

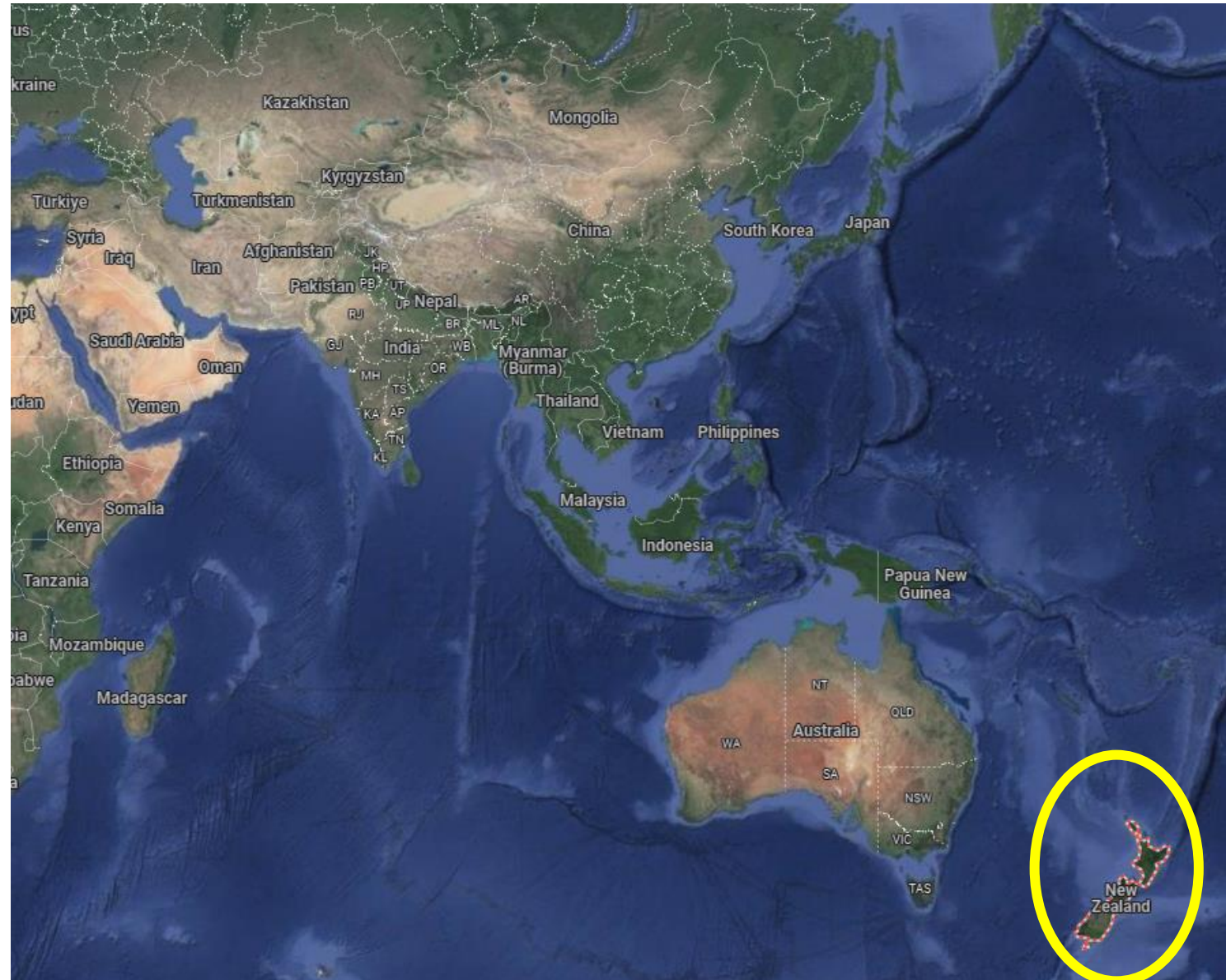
Airways/CAA NZ

26-06-23



## FF-ICE - Why

- ▶ Where is NZ?
- ▶ What's the rush?



## Drivers - Regulatory

### ▶ ICAO GANP

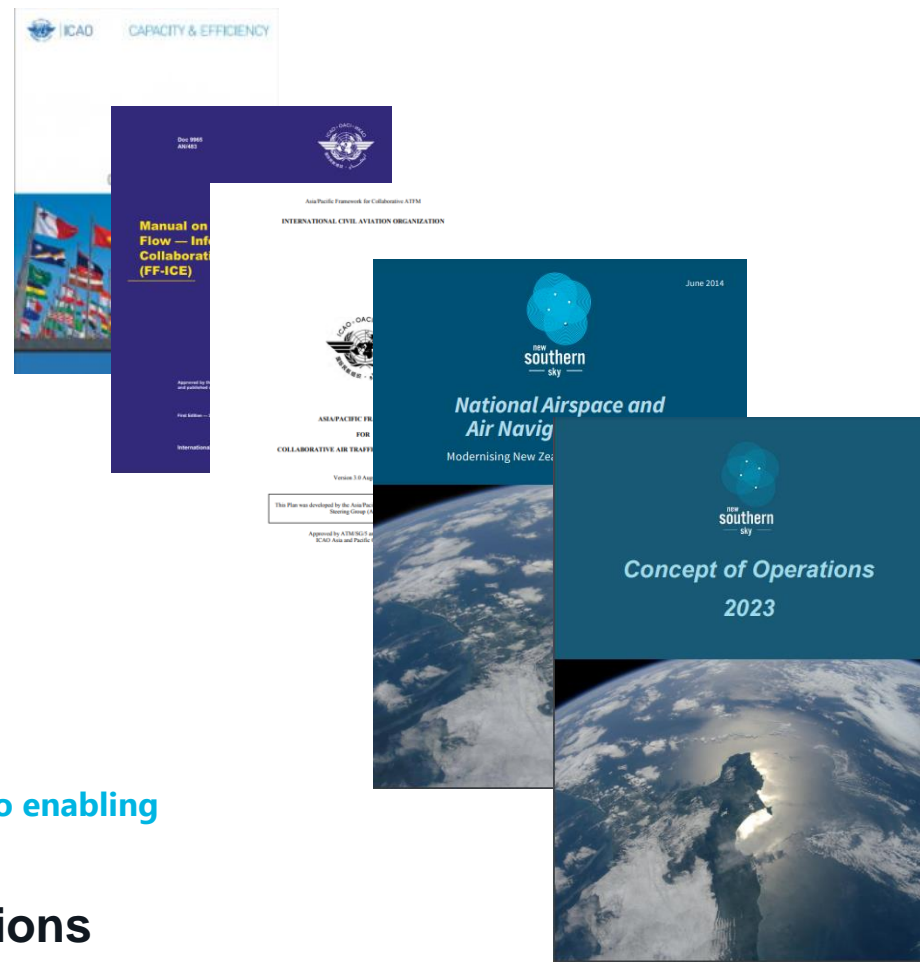
- FICE ASBUs and timeframes
- Doc 9965 Manual on FF-ICE

### ▶ Regional activities

- APAC Framework for Collaborative ATFM
- Small Working Groups

### ▶ National Regulator guidance

- National Airspace and Air Navigation Plan
  - Identifies FF-ICE B0-3 to support the transition from Controlling to enabling
  - Through increased interoperability, efficiency and capability
- New Southern Sky - National Concept of Operations
  - SWIM based seamless interoperable data exchange
  - Real-time availability for users facilitating collaborative opportunities
  - Flight centric communication network





## Drivers - Practical

### ▶ **ATMS replacement**

- **New domestic ATMAS with capability**
- **Oceanic refresh will incorporate**

## Information Management - Progress so far

### ▶ AMHS

- Supports and distributes IWIXM, FIXM

### ▶ New ATM

- Testing ingestion of AIXM geographic data for AIRAC cycles
  - Issues with missing data, late data, data errors
- 2012 FPL based for go-live
- Road mapped development for FIXM, WIXM, FF-ICE

### ▶ SWIM

- Observer status on several trials
  - Joint SWIM over CRV demo and Surveillance data sharing
  - SWIM Implementation Pioneer Group
- Attempting to understand models of application
- Increased business motivation to progress after COVID
- Looking for opportunities to engage and increase understanding

# FF-ICE - Progress so far

## ▶ ASBUs

### • FICE B0/1

- AIDC between NZ Domestic and Oceanic ATMAS (Fully capable but only using ABI, CPL, CDN, TOC/AOC, LAM, LRM)
- AIDC between NZ Oceanic ATMAS and 6 other FIRS (Fully capable but only using ABI, CPL, CDN, TOC/AOC, LAM, LRM, EST, PAC, MAC, REJ)

### • FICE B2/1 and beyond

- Preliminary investigation/learning – at the start of the journey
- Participation in FF-ICE SWG Workstream 2
- New SkyLine-X Domestic ATMAS development roadmap has FF-ICE elements (dates target only)
  - ▶ Approx 2024 - **FIXM Message Broker/Publisher** – To support ASBUs: FICE-B2/2 – Filing Service, FICE-B2/3 – Trial Service, FICE-B2/5 – Notification Service, FICE – B2/6 – Publication Service
  - ▶ Approx 2026 – **Airline (AOC) CDM integration** – Supports ASBUs: FICE-B2/9 – Flight information management support for inflight re-planning
  - ▶ Approx 2026 – **Strategic ATFM Integration** – Supports ASBUs: FICE-B2/9 – Flight information management support for inflight re-planning
  - ▶ Approx 2027 – **IWXXM weather support** – Part of the SWIM umbrella that would improve trajectories across FIRs.
- **OCS system development will align with roadmap**



▶ Thank you!!