

ANCCG BRIEF ON ATC

ANCCG

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Dec 2019

Airways New Zealand

- **Formed in 1987 as an SOE**
- **Previously part of MOT, CAD.**
- **Employs approx 1000 people**
- **350 Air Traffic Controllers**
- **50 Air Traffic Support Staff**
- **Others include Policy and Design, Strategy and Development, Software Design, Finance, Legal, Technicians, Human Resources etc.**

W h a t i s A i r T r a f f i c C o n t r o l

AIRWAYS

**Helping planes travel safely and
expeditiously**

AT AERODROMES

AROUND AERODROMES

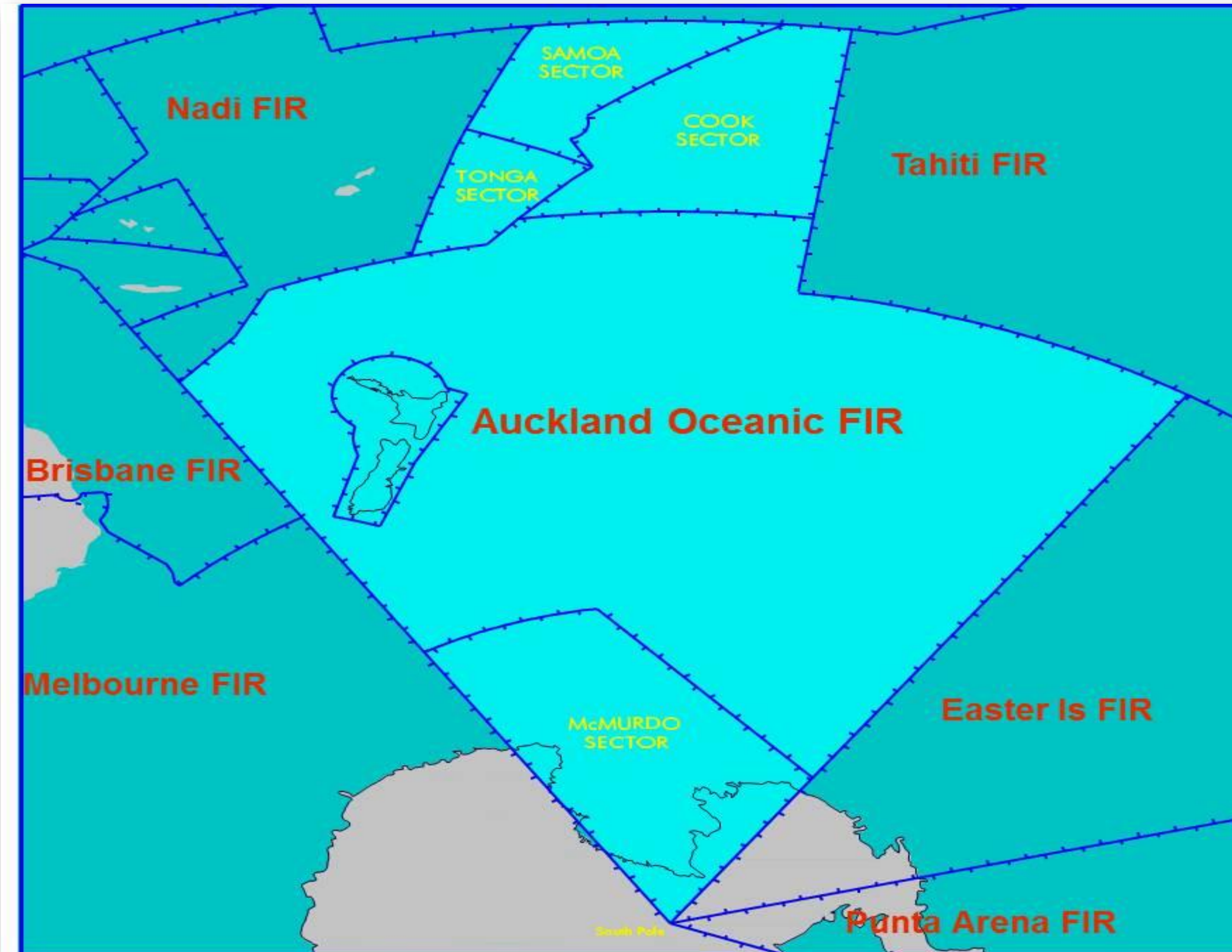
BETWEEN AERODROMES

THROUGH OUR OCEANIC

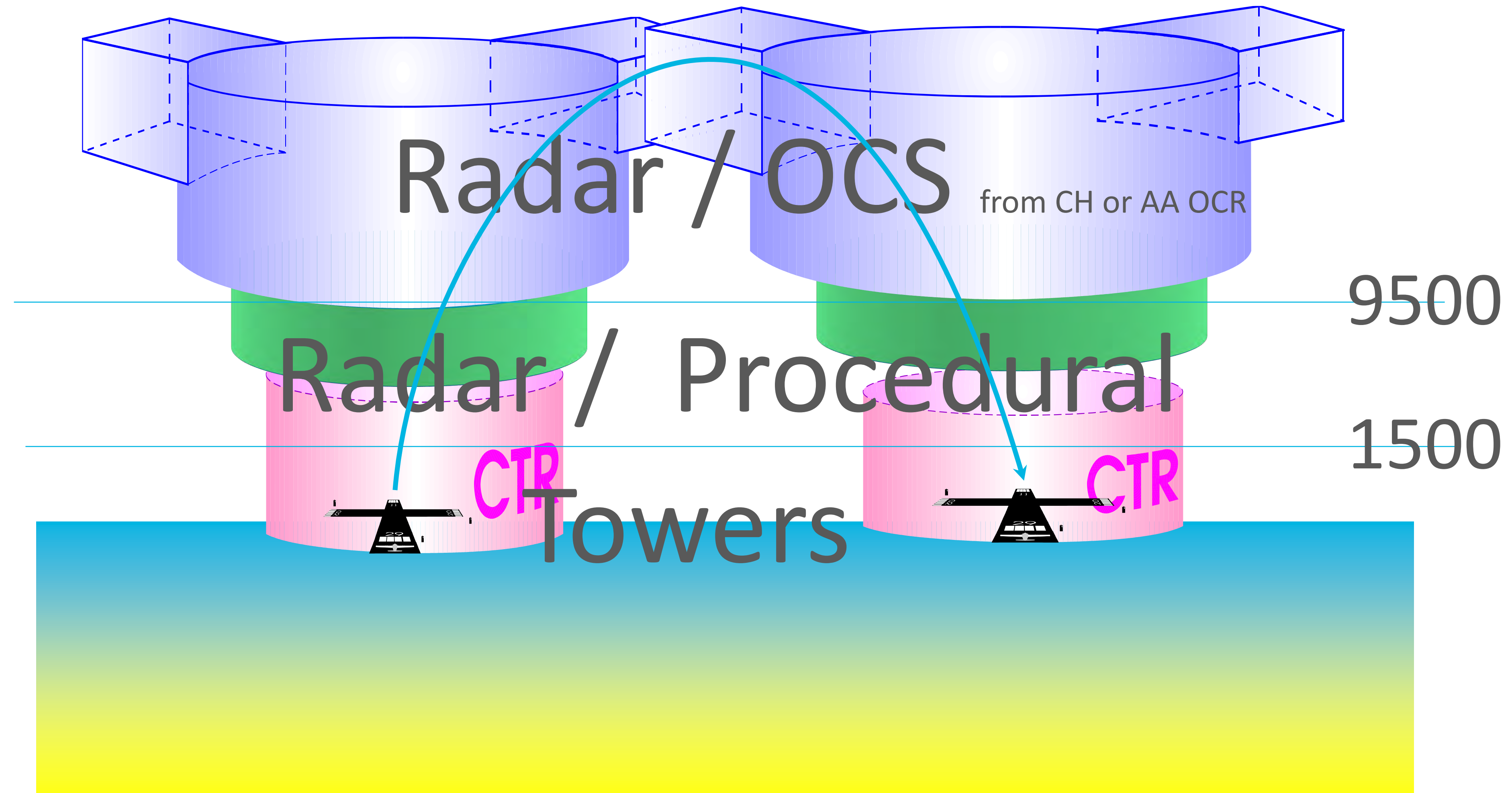
AIRSPACE



O u r P a t c h



The Upside down wedding cake



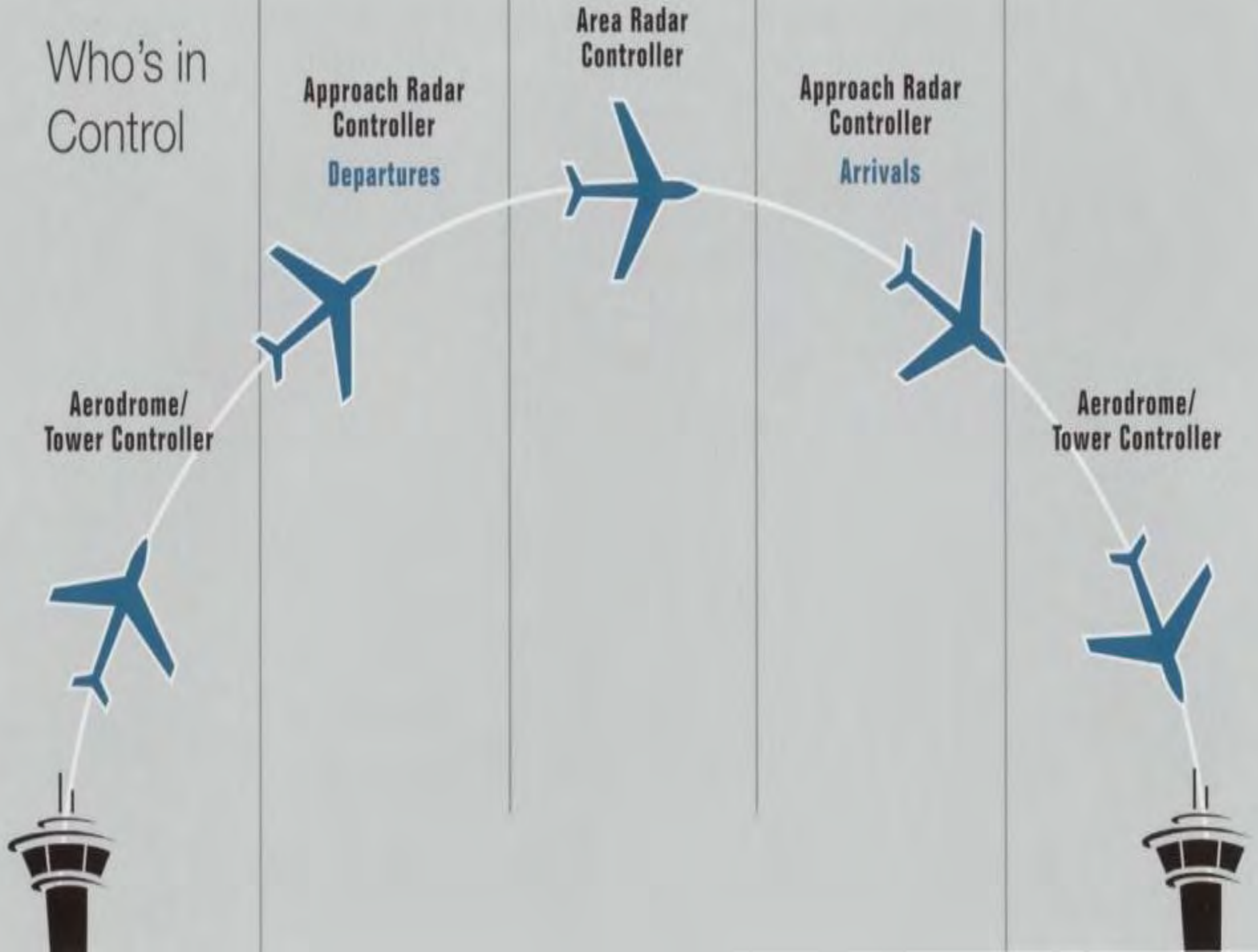
TOWERS



R A D A R C E N T R E



Who's in Control



RUNWAYS AND WHICH TO USE?

Runways are named after their approximate magnetic direction. Auckland has two. Aircraft take off and land into the wind.



SID = Standard Instrument Departure

It's how a departing aircraft gets from the Runway onto a published route taking into account;

- 1. Terrain, Airspace, Obstacles.**
- 2. Environmental Factors e.g. Noise, Airline fuel burn/CO2**
- 3. RWY capacity and separation from other aircraft.**

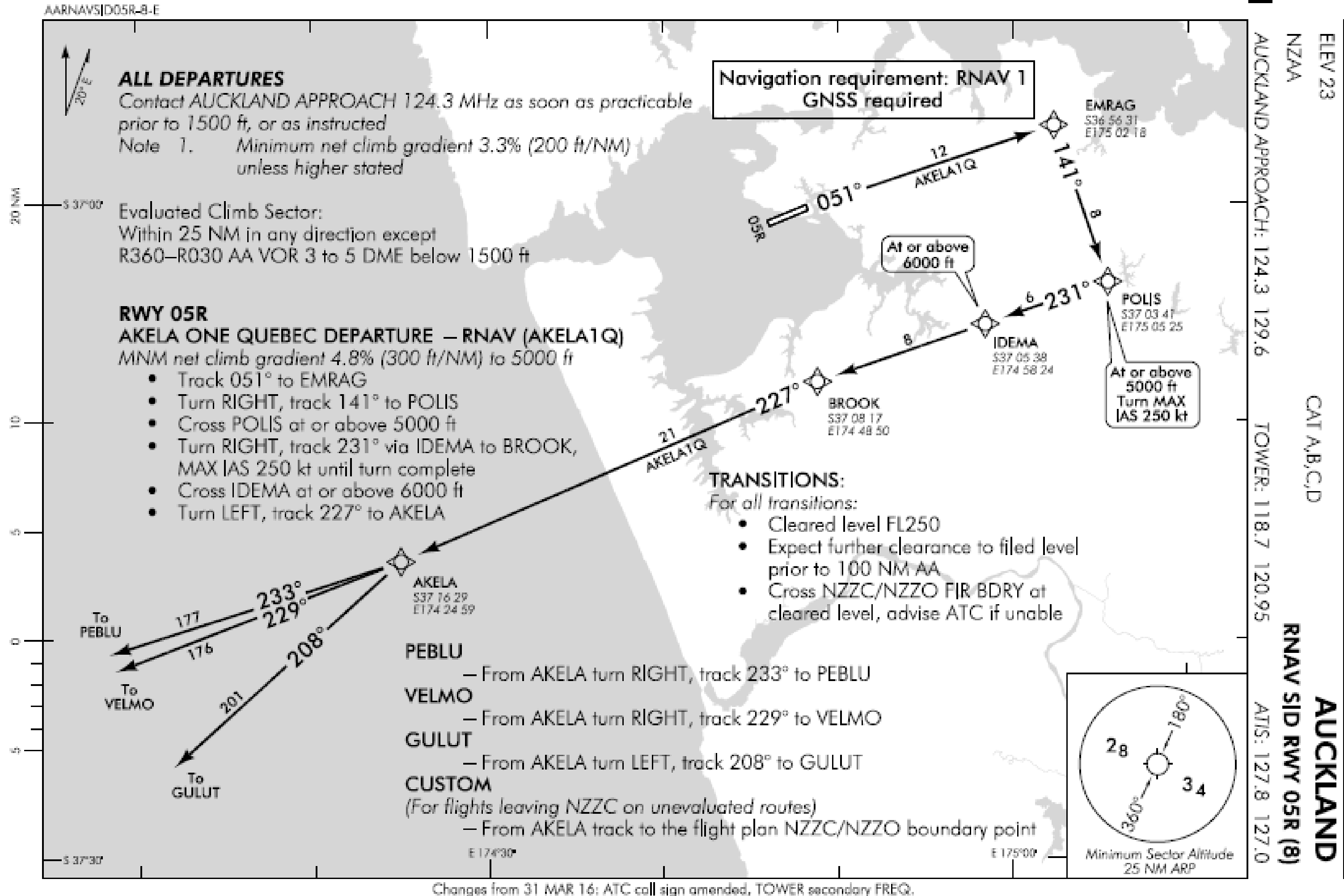
The same factors are taken into account for inbound aircraft to get from their route to the Instrument approach that puts them on the Runway.

STAR = Standard Instrument Arrival

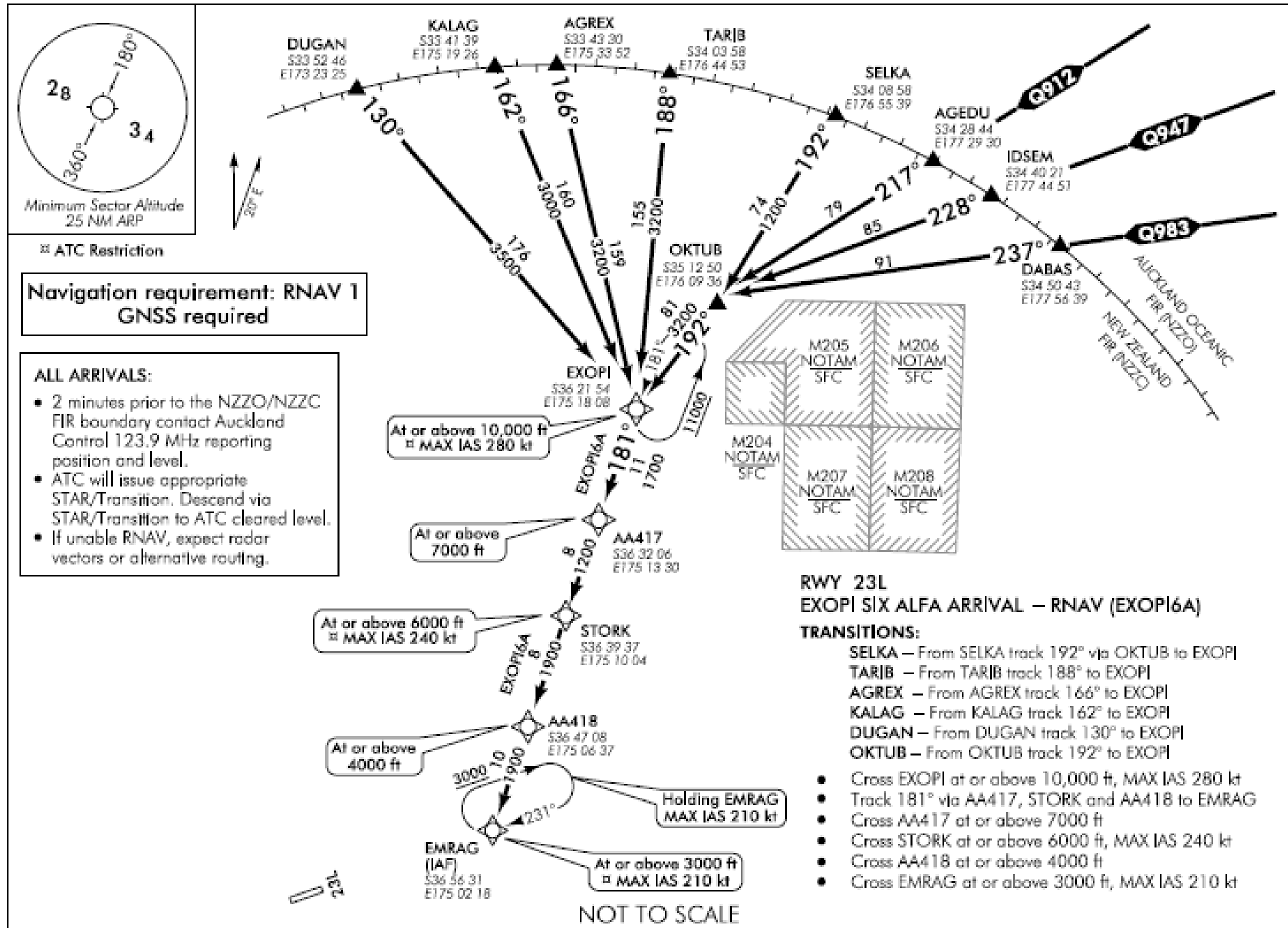
Effective: 9 NOV 17

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AUCKLAND
RNAV SID RWY 05R (8)



AARNAVSTAR23L-2-P



Changes from 1 FEB 18: DABAS to OKTUB track correction.

Effective: 29 MAR 18

© Civil Aviation Authority

AUCKLAND
RNAV STAR RWY 23L (2)

AUCKLAND CONTROL: 123.9 134.0
AUCKLAND APPROACH: 124.3 129.6

TOWER: 118.7 120.95

ATIS: 127.8 127.0

ELEV 23

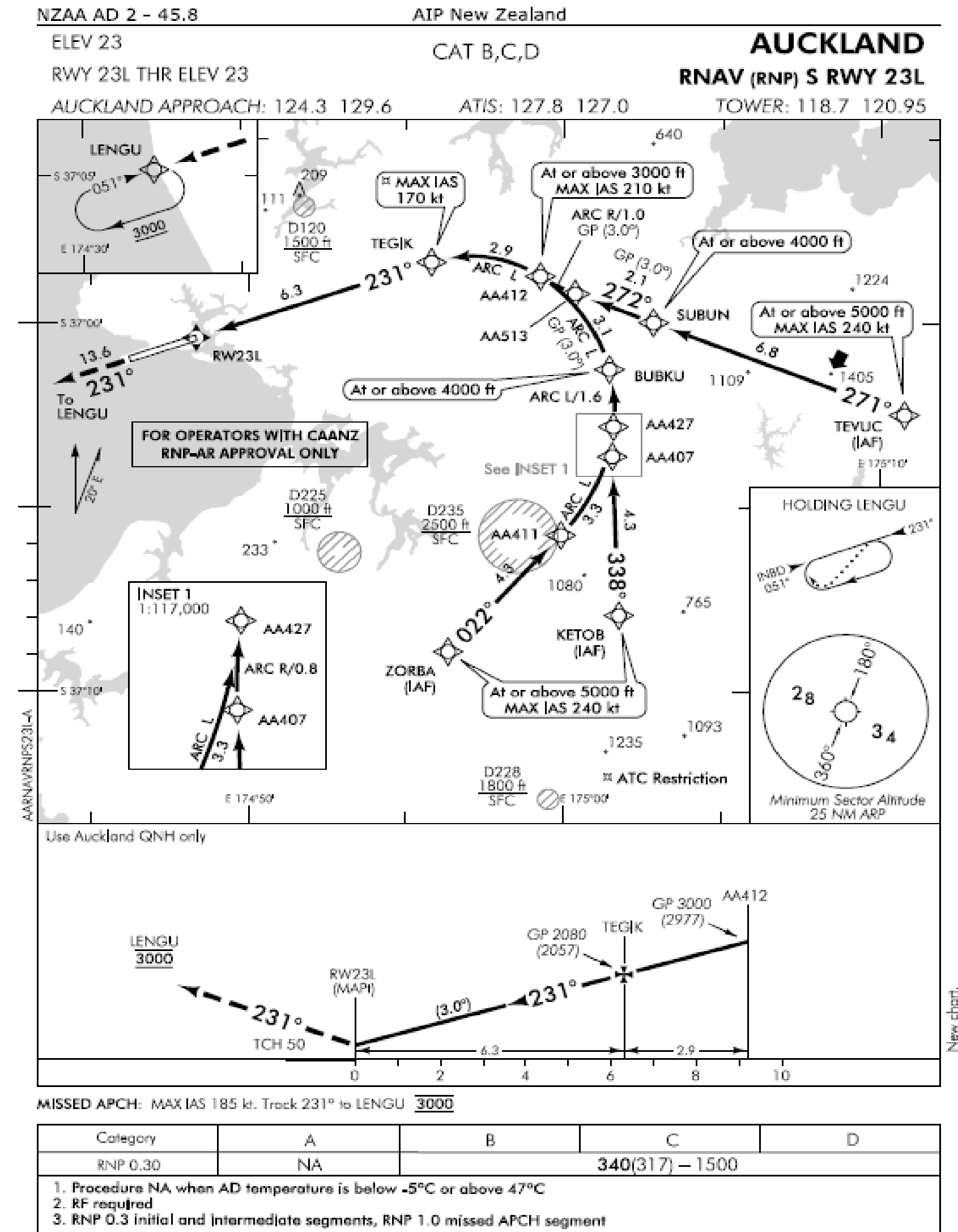
NZAA AD 2 - 33.10

AIP New Zealand

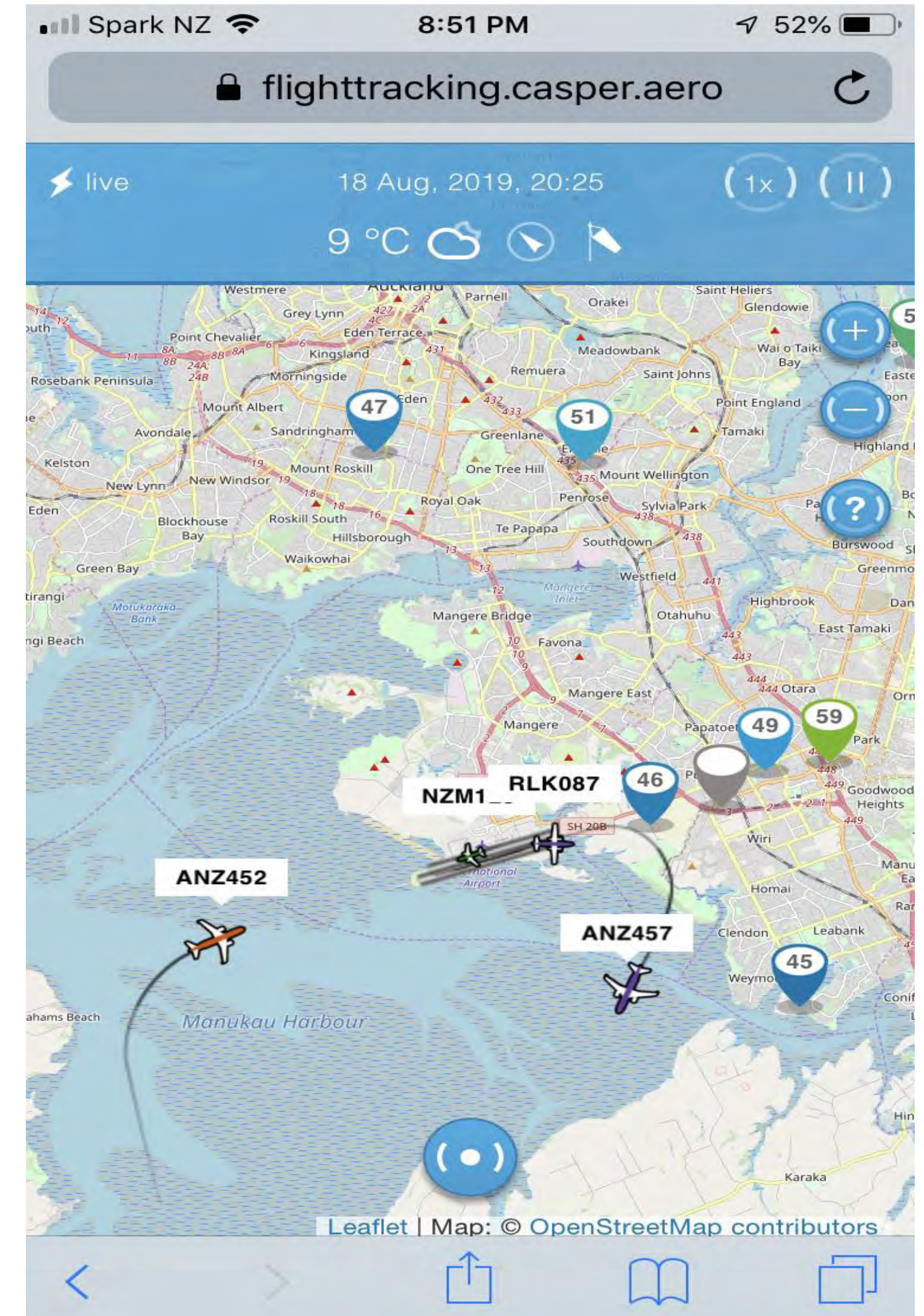
AUCKLAND
RNAV STAR RWY 23L (2)

NOISE INITIATIVES FOR AUCKLAND

- Idle Power
- Less Fuel
- Less Emissions
- Only used between 7am and 10pm



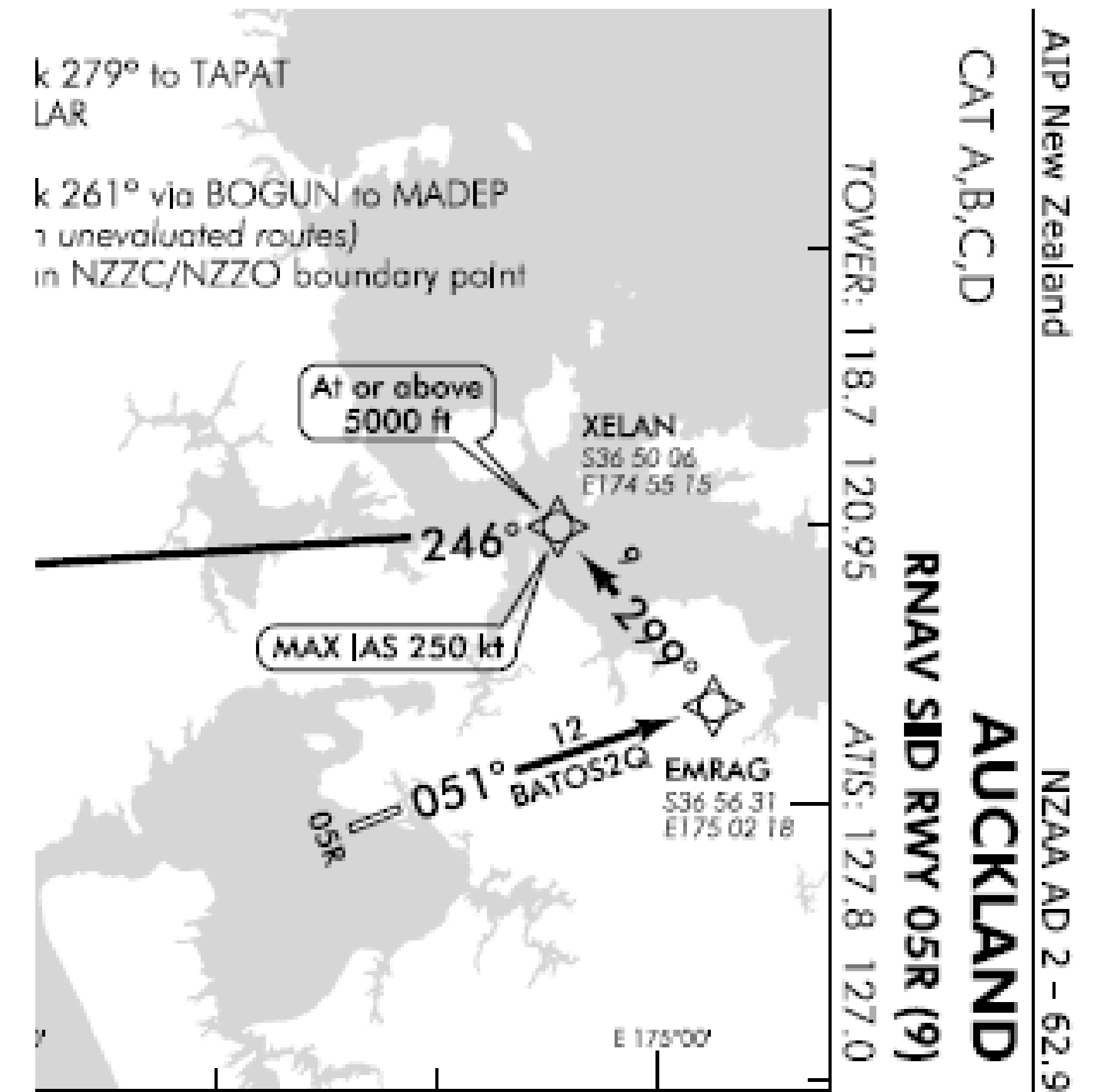
- **AIAL with Marshall Day have developed a streamlined and transparent reporting process for community members to raise concerns about noise and specific flights using CASPER.**
- **Ongoing education of elected ANCCG community representatives around air traffic control procedures and aircraft/airline operations.**



- **Preferential RWY's used between 11pm and 6am when weather and traffic allow.**
- **Night STARs for RWY23L between 11pm and 6am taking over 60% of Tasman traffic clear of the city.**
- **Enforcement of 250kts maximum below 10000ft at night over built up areas.**
- **Most Nth America, Rarotonga and Tahiti flights off RWY23L turned left passing south of Papakura.**



- **Non Jets SIDs turning north at 500ft not used between 10pm and 7am.**
- **Jets not allowed to do Visual Approaches from north of the RWY Centreline at any time.**
- **All aircraft from the south for RWY23L between 10pm and 7am join final at or outside 8nm final.**
- **All departures over built up areas between 10pm and 7am remain on SID.**



- **Night STARs for RWY05R taking up to 75% of arrivals clear of the city.**
- **New SIDs for non Jets that climb higher over the city.**
- **New STARs for both RWYs that avoid built up areas in Franklin District.**

