

The Airways logo, consisting of the word "AIRWAYS" in a bold, white, sans-serif font, preceded by a small white triangle pointing to the right. The background of the slide is a photograph of an airport runway at dusk or dawn, with a blue sky transitioning to a warm orange glow. The runway is illuminated with a central line of lights and side lights, leading towards a hazy horizon. There are several semi-transparent blue triangles of various sizes scattered across the upper half of the slide, some pointing right and some pointing left.

AIRWAYS

AUCKLAND ROUTE ENHANCEMENTS

A N C C G

James Evans

10 June 2019

making your world
possible

Enhancements based upon;

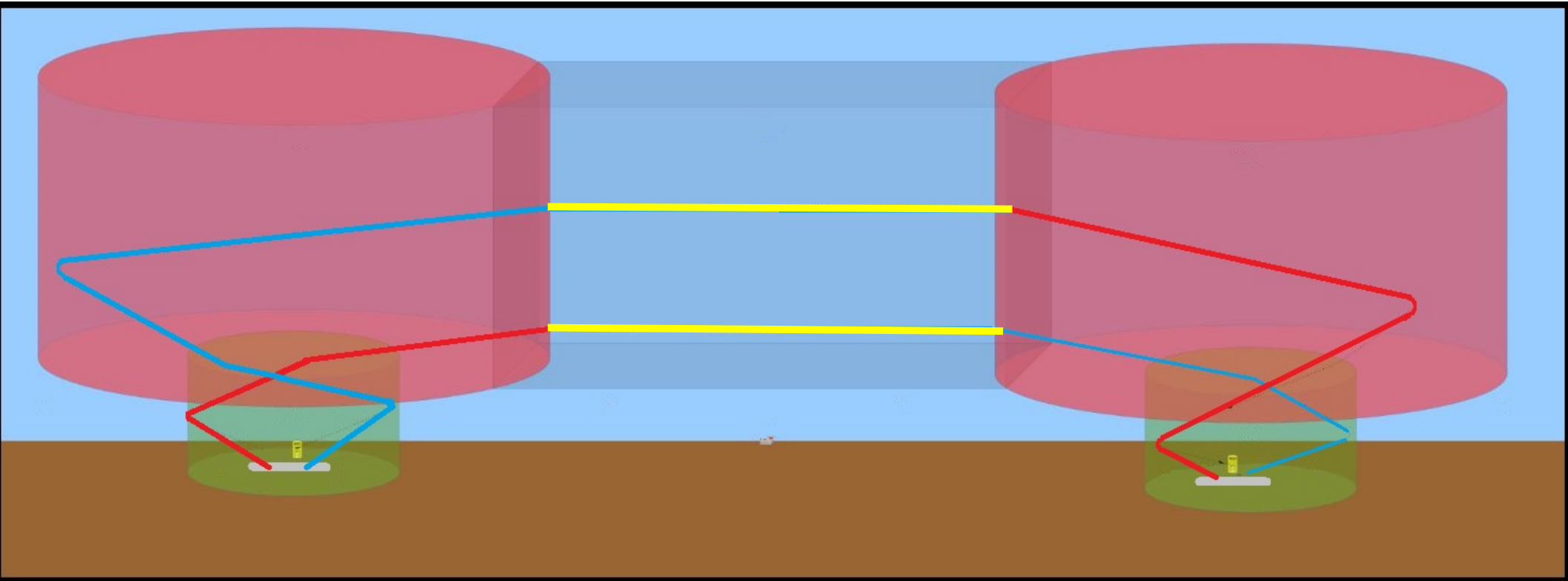
- 1. Increased climb on initial departure.**
- 2. Cognisance of built up areas.**
- 3. Aircraft profile efficiencies = reduced greenhouse gas emissions.**

SID = Standard Instrument Departure

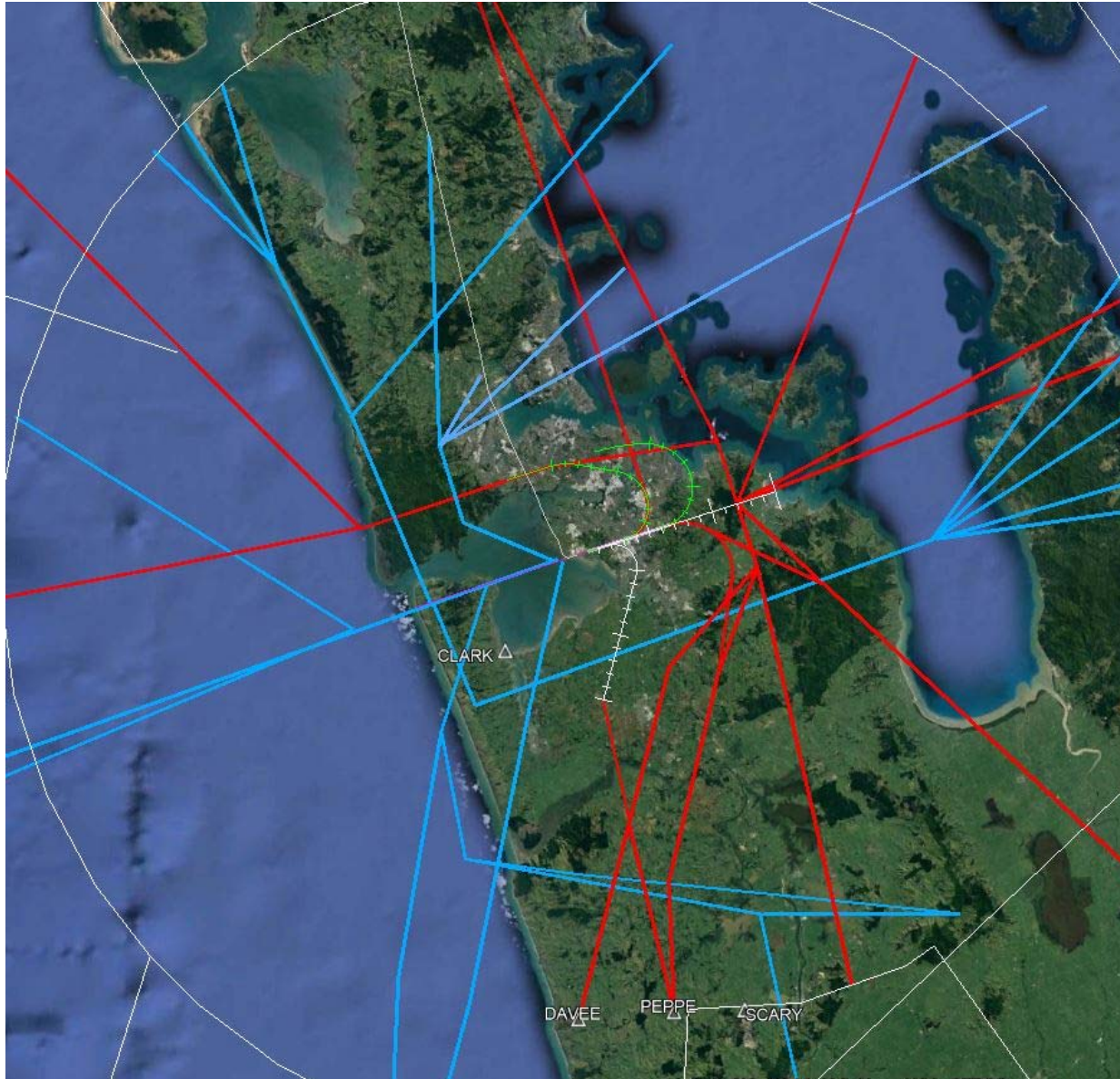
How a departing aircraft gets from the Runway onto an airborne route.

STAR = Standard Instrument Arrival

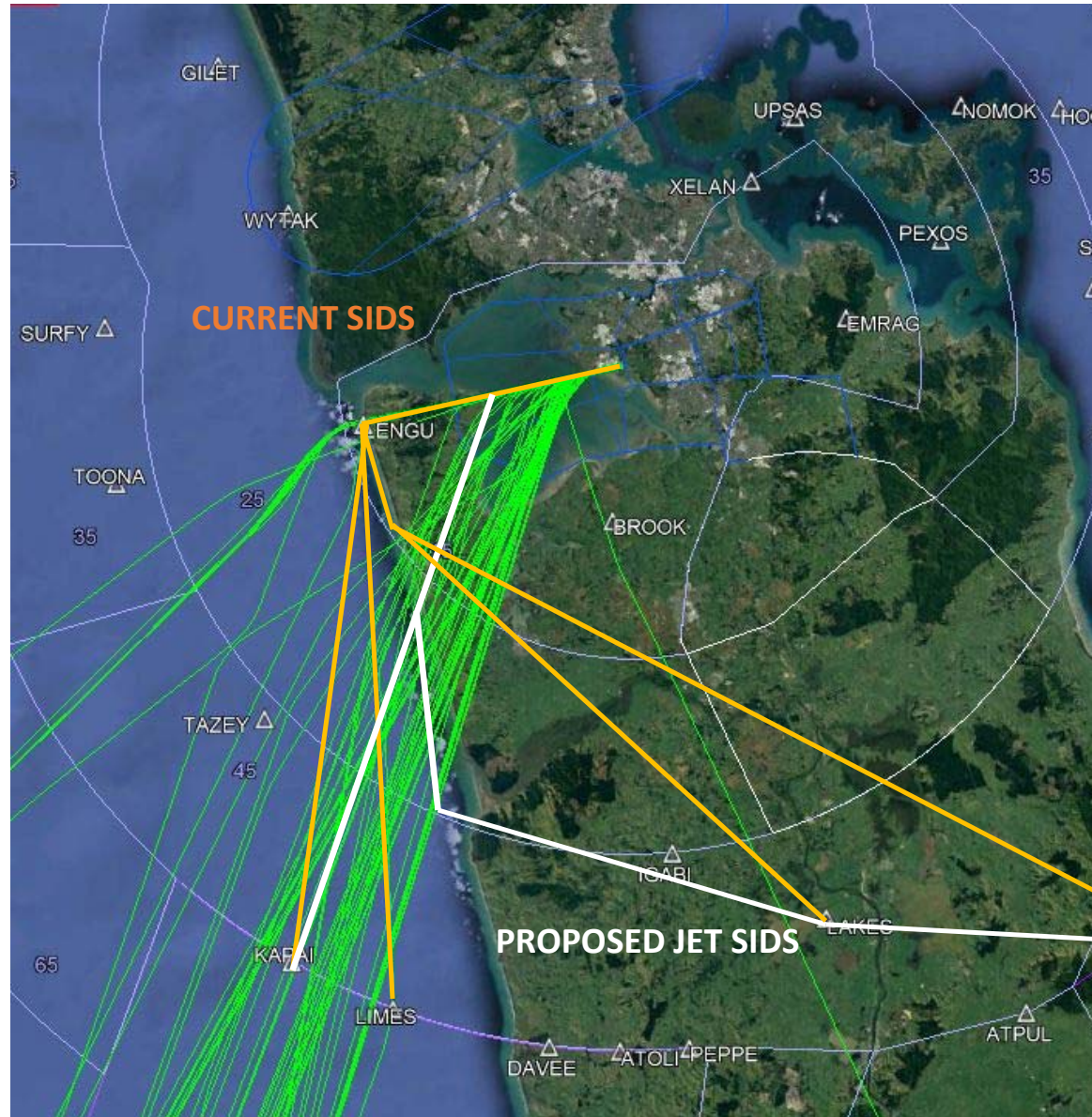
How an arriving aircraft gets from an airborne route onto an approach to land.



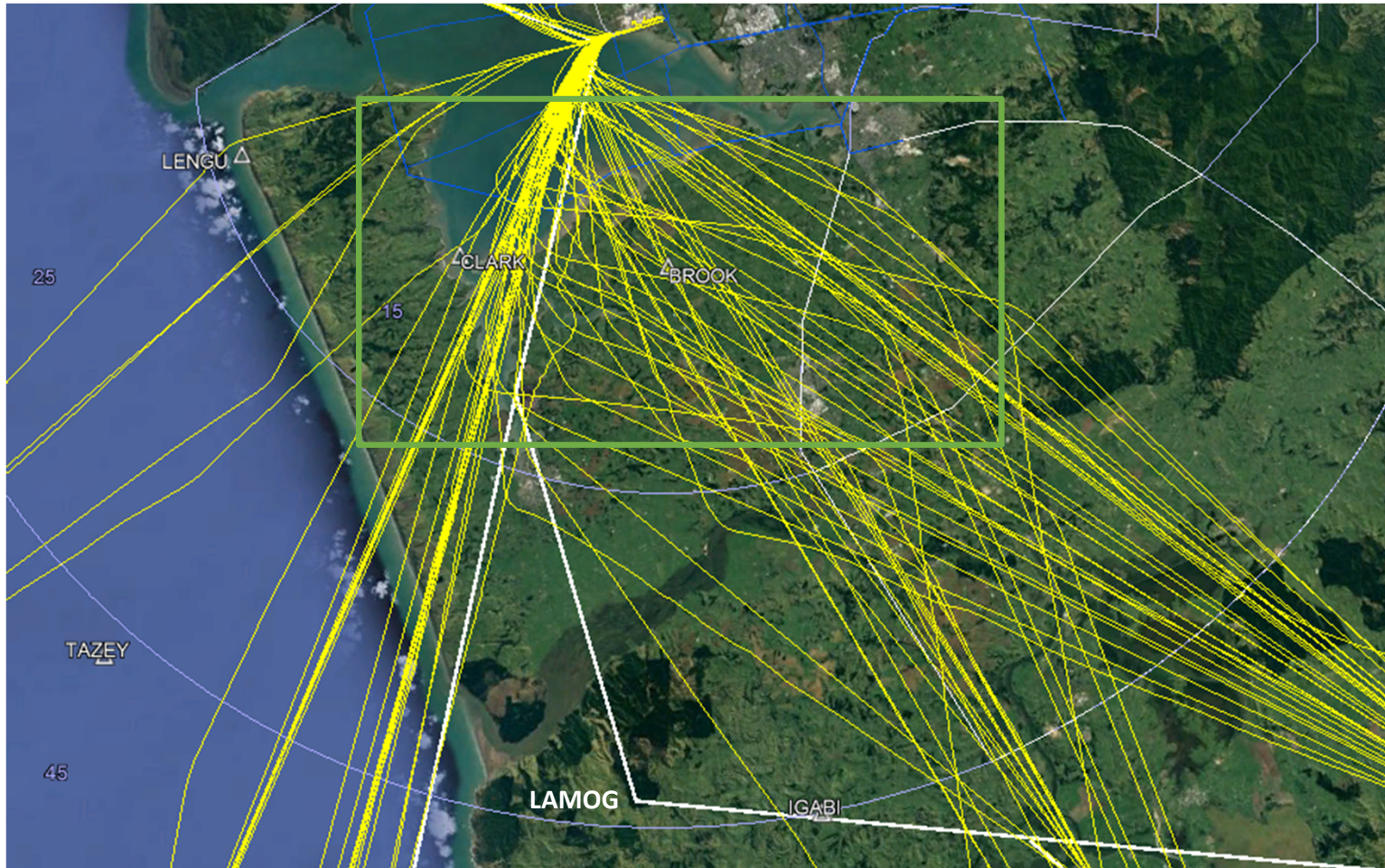
RWY 23 SID/STAR network



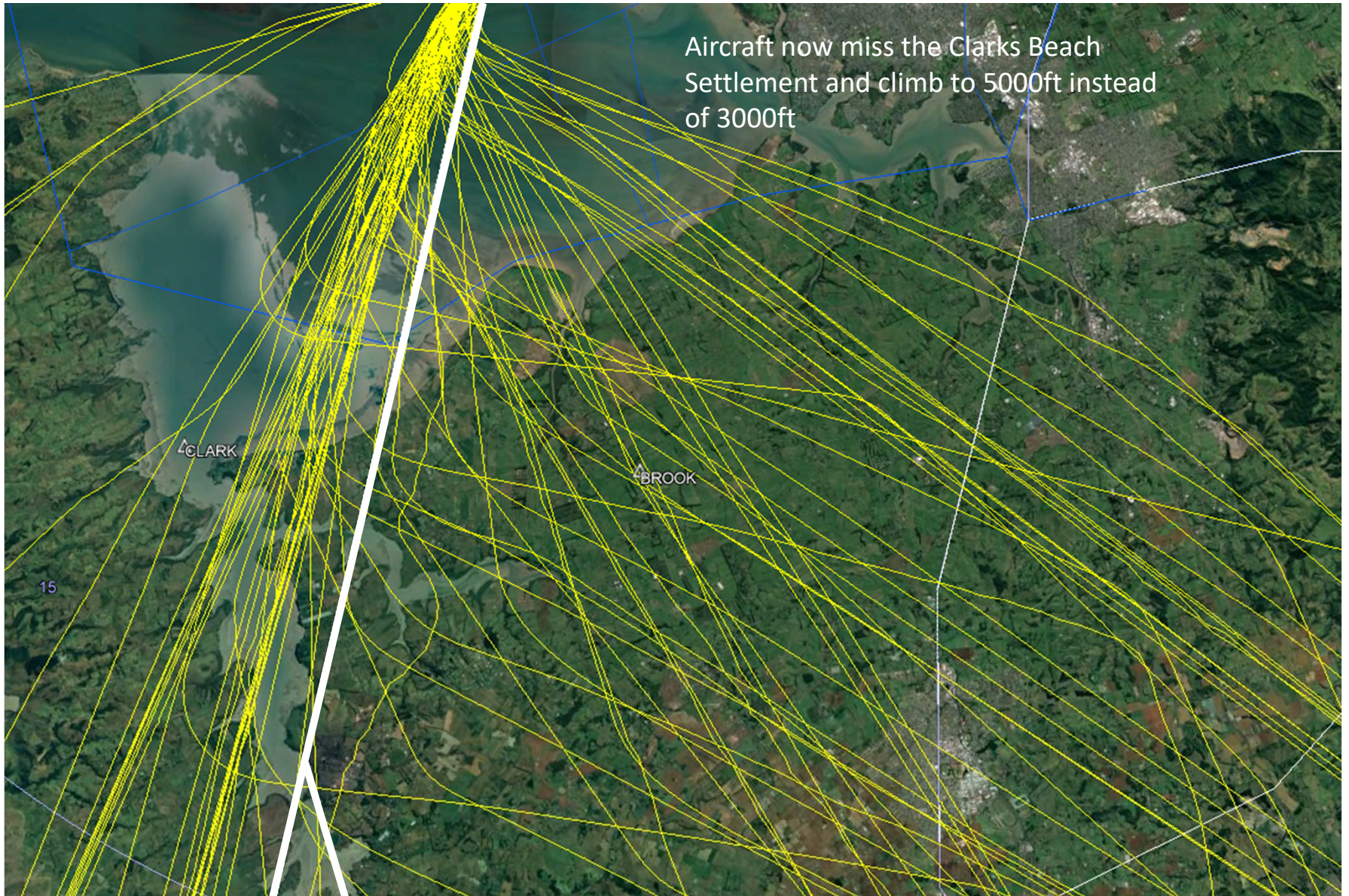
RWY23 Jet Departures



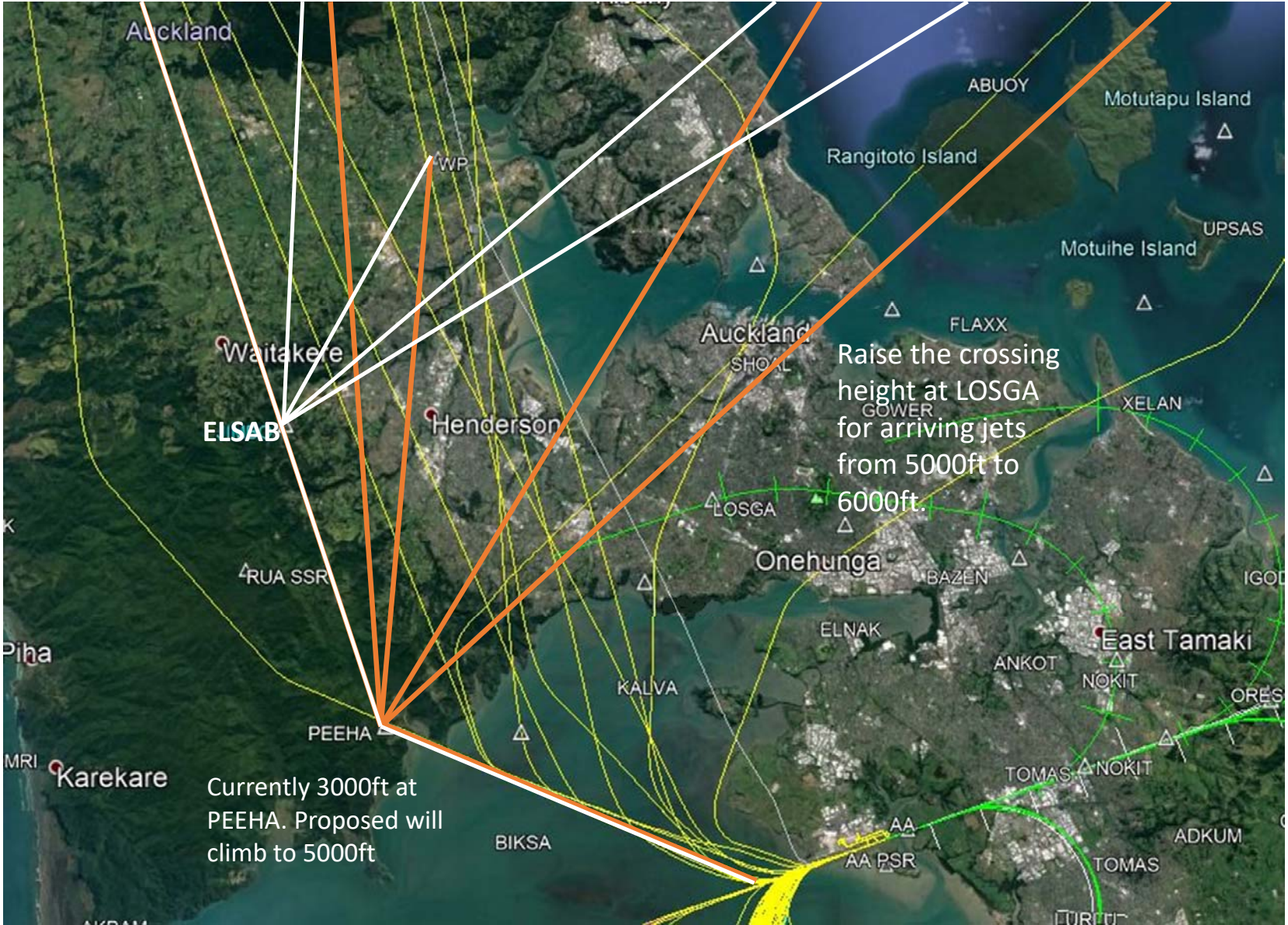
RWY 23 Non
Jet
departures
Southbound



Aircraft now miss the Clarks Beach Settlement and climb to 5000ft instead of 3000ft



RWY23
Non Jet
departures
Northbound



ELSAB

Currently 3000ft at PEEHA. Proposed will climb to 5000ft

Raise the crossing height at LOSGA for arriving jets from 5000ft to 6000ft

Auckland

Waitakere

Henderson

Auckland

Onehunga

East Tamaki

Piha

Karekare

ABUOY

Motutapu Island

Rangitoto Island

Motuihe Island

UPSAS

FLAXX

SHORL

GOWER

XELAN

WUA SSR

BAZEN

IGOT

ELNAK

ANKOT

NOKIT

ORES

KALVA

PEEHA

BIKSA

AA

AA PSR

TOMAS

NOKIT

ADKUM

TOMAS

IURTT