



Air New Zealand Flight Planning and Flight Following

— Pawan Yelle – Flight Planning Manager

Markus Kraettli – Flight Planning Systems Manager

Grady Warren – Senior Flight Planner 2IC



Legacy Systems Overview

- **SABRE Dispatch Manager**
 - Implemented in late 1990
- **FADS**
 - For .pdf paper delivery
- **NZ Met WX Track**
 - For weather document delivery

ALC	FLUTE	FROM	TO	DUE P	A/C	CF	ZPW	ALTN	F/P	A	ETD	ETA	ETE	BURN	DO	DPOD	OUTPUT	STATUS
ANZ	1104	SYD	AKL	0104	NZE		140900	DHA	004	S	190225	190502	0247	12500	DD		CARGO	C W N E A M T P R S
ANZ	439	AKL	WLG	0115	QJM		52128	FMR	001	X	190230	190328	0055	2250	D1	DOM		C W N E A M T P R S
UTY	4584	BNE	EMD		NKU		24785		001	S	190330	190455	0105	2404	OI		TAPVALID	C W N E A M T P R S
UTY	4585	EMD	BNE	0116	NKU		26383		001	S	190525	190845	0052	2019	OI		TAPVALID	C W N E A M T P R S
UTY	8478	BNE	EMD	0120	JFE		24269		001	S	190335	190500	0105	2387	OI		TAPVALID	C W N E A M T P R S
UTY	8479	EMD	BNE	0121	JFE		25679		002	S	190555	190715	0052	2006	OI		TAPVALID	C W N E A M T P R S
ANZ	440	WLG	AKL	0130	QJB		49640	HLZ	001	X	190245	190340	0053	2148	D1	DOM		C W N E A M T P R S
ANZ	1003	LAX	AKL		NZM		135000	DHA	003	S	190400	191700	1259	62216	QA	STD *02		C W N E A M T P R S
ANZ	558 *	CHC	AKL	0142	OVD		48737	HLZ	001	X	190400	190425	0113	2716	D1	DOM		C W N E A M T P R S
ANZ	441	AKL	WLG	0143	QJR		49826	FMR	001	X	190300	190359	0055	2144	D1	DOM		C W N E A M T P R S
ANZ	608	ZQN	WLG	0144	OVL		54934	FMR	001	X	190300	190403	0111	3066	D1	DOM		C W N E A M T P R S
ANZ	555	AKL	CHC	0145	OJF		54666	WLG	002	X	190300	190413	0114	3074	D1	DOM		C W N E A M T P R S
ANZ	1007	SFO	AKL		NZK		138500	DHA	002	S	190415	191715	1249	61329	QA	STD *02	CARGO	C W N E A M T P R S
ANZ	442	WLG	AKL	0200	OVF		48165	HLZ	001	X	190315	190411	0053	2072	D1	DOM		C W N E A M T P R S
ANZ	443	AKL	WLG	0215	OVA		51005	FMR	001	X	190330	190420	0055	2162	D1	DOM		C W N E A M T P R S
ANZ	677	AKL	DUD	0225	NNA		63811	CHC	001	X	190340	190521	0143	3958	D1	DOM		C W N E A M T P R S
ANZ	1010	AKL	CHC	0228	NZR		132300	AKL	001	S	190400	190525	0115	5556	D1	DOM	ATC FILE	C W N E A M T P R S

Manual Process

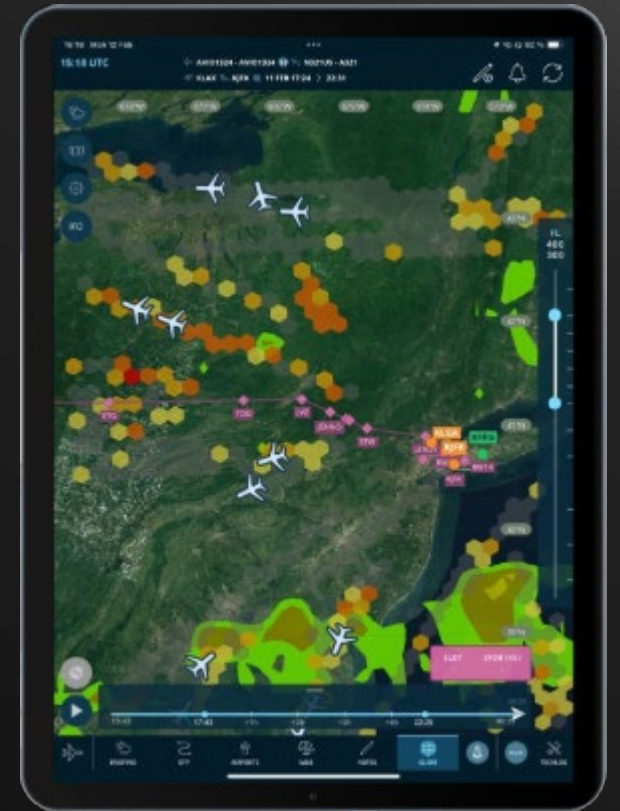
Selection of:

- Route
- Departure Alternate
- Destination Alternate
- EDTO/En-Route Alternates

Checking of:

- OFF
- TAF/METAR
- En-Route Flight hazards: SIGMET, Turbulence, Icing, VA, TC, etc.
- NOTAM: Airport and Airspace Constraints, Approach Aids Degradations, Restricted Areas, etc.
- Company NOTAMs
- MEL/CDL - Aircraft Degradation
- Crew-On-Flight

Project History





5D ANZ Desk: PROP_... UTC: 04 FEB 23:23 DEP DEST CALLSIGN AIRCRAFT

ASSIGNMENTS -3h +21h

Planning

Released POP OUT

+0100 0/6

+0300 0/26

+0400 0/26

+0500 0/22

+0600 0/14

+0700

2300 0/11

+0000 0/18

+0100 0/16

+0200 0/15

ANZ5852

ANZ5824

ANZ5832

MK

ANZ

Route Suitability (Automation)

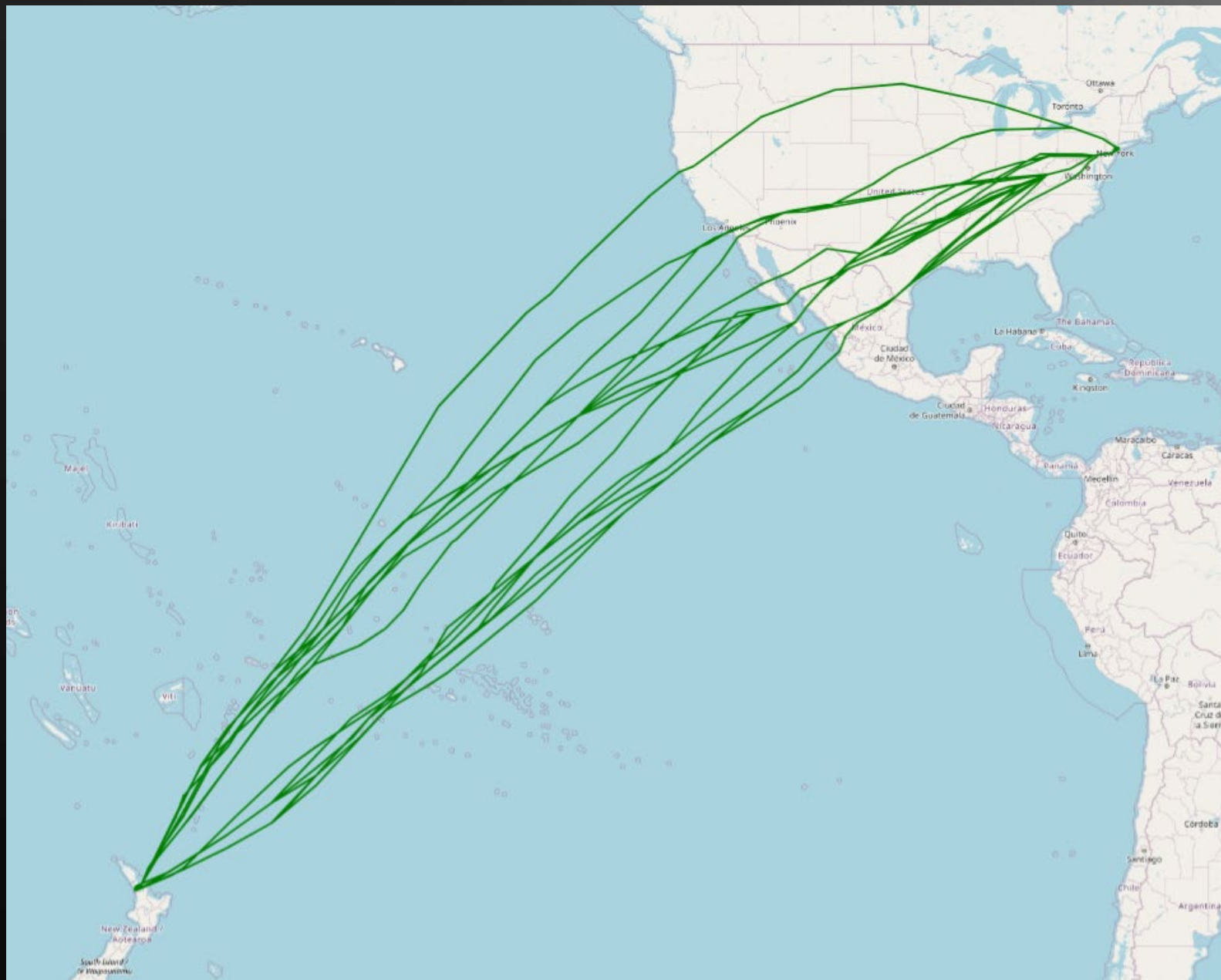
Present:

- Alternate Requirements (yes/no, Idg capabilities, Tech/WX alternate)
- Origin, Dest, Take Off, EDTO, Dest Alt WX (TAF, METAR and specific elements, e.g. FG. TS.)
- NOTAM (Restrictions, curfew)
- RFF
- Fuel Availability 9Tanker sector)
- Runway Preference (TW vs HW)
- Mandatory Routes
- UPR
- VAA

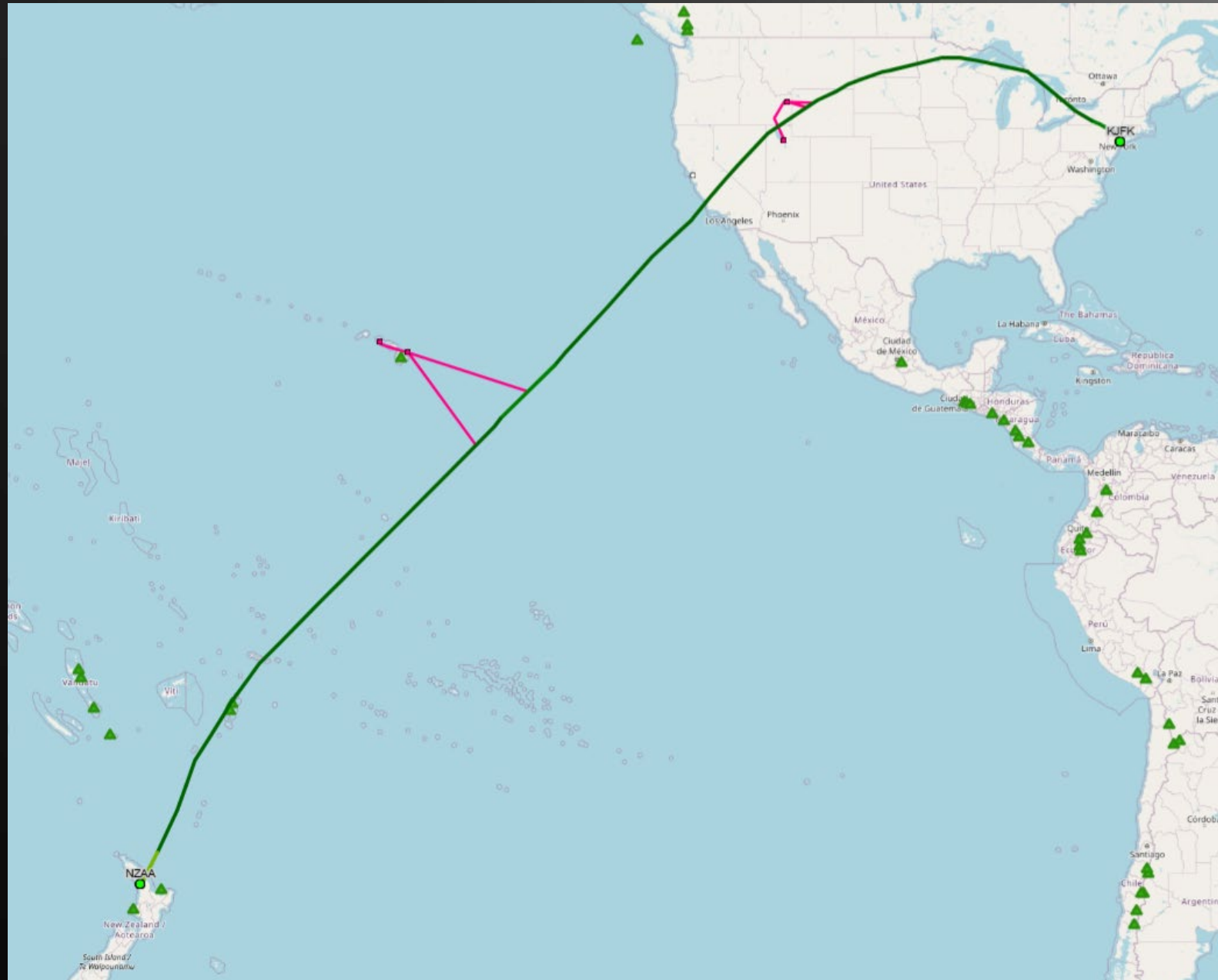
Future (Second half 2025):

- CO2 considerations / contrail avoidance

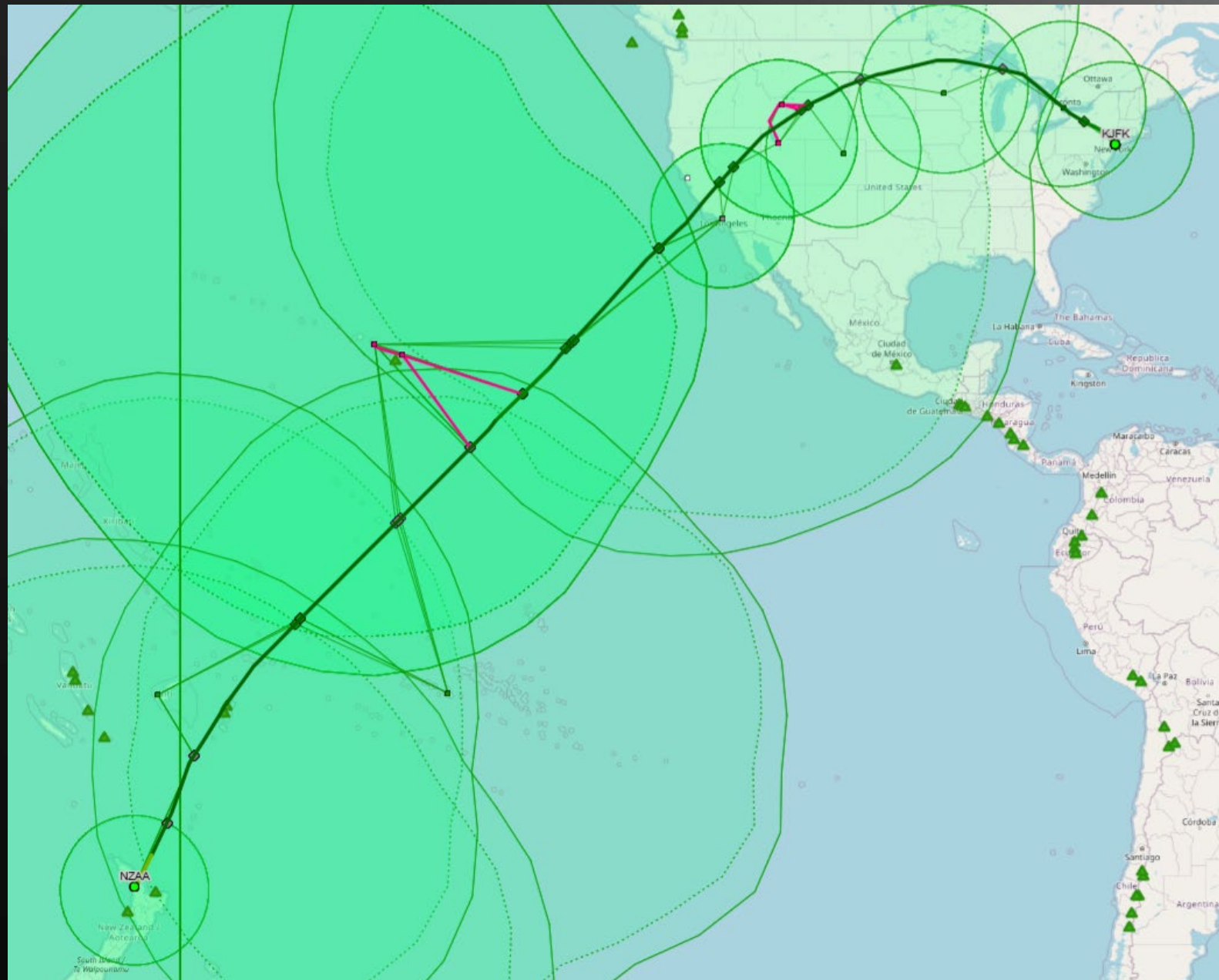
Typical “spread” JFK-AKL



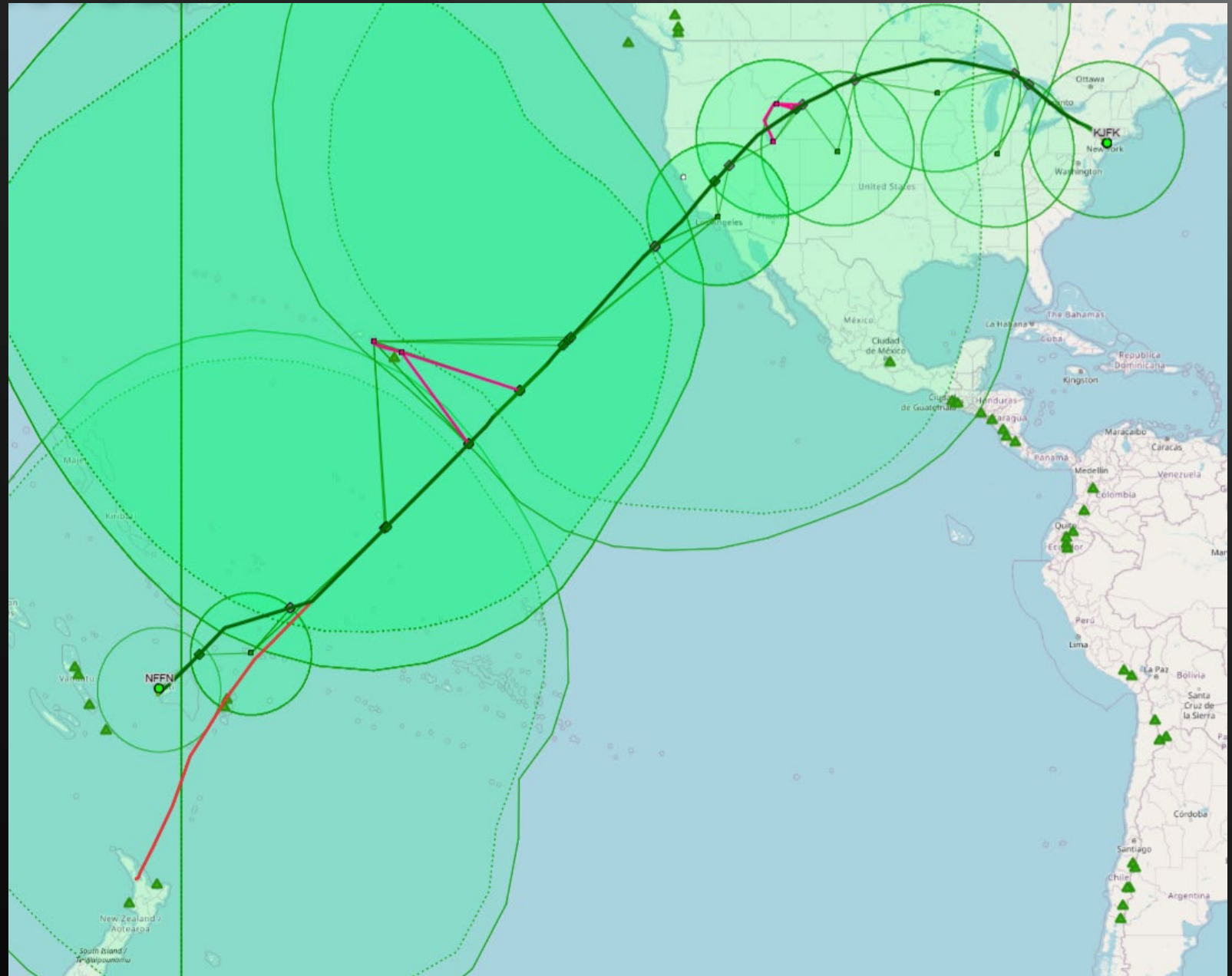
Route planning



EDTO rules



Pacific Recovery



Dynamic Airborne Route Planning (DARP)

