

AIRWAYS

NZZO Feedback

ISPACG 39 FIT
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08/04/2025 – 11/04/2025

AIRWAYS

CRA Website





CRA Website

- ▶ As of 13 Feb 2025 we had 3968 active accounts on the website:
 - Manufacturer: 24
 - CSP: 13
 - ANSP & CAA: 63
 - Aircraft Operator: 3850 - 8.6% increase from 2024
 - CRA: 16
 - Website Administration: 1
- ▶ PBCS Charter Membership: 3052

AIRWAYS

PBCS



PBCS Status in 2024

- ▶ 83% of Airlines
- ▶ 63% of International General Aviation
- ▶ 25% of Military

Indicated PBCS RCP240/RSP180 status in FPL

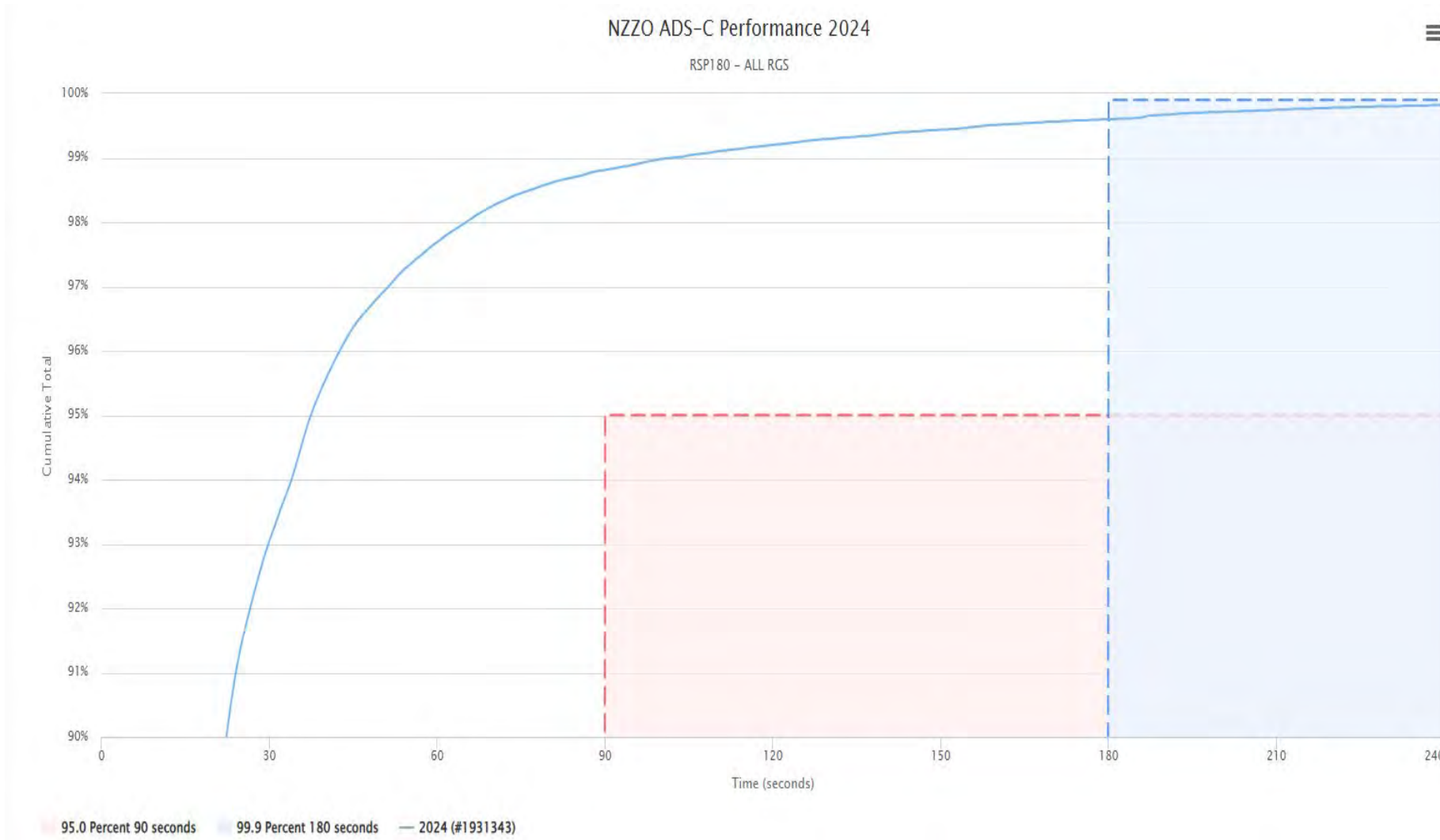


AIRWAYS

Performance



ADS-C RSP180 – ALL RGS 2024

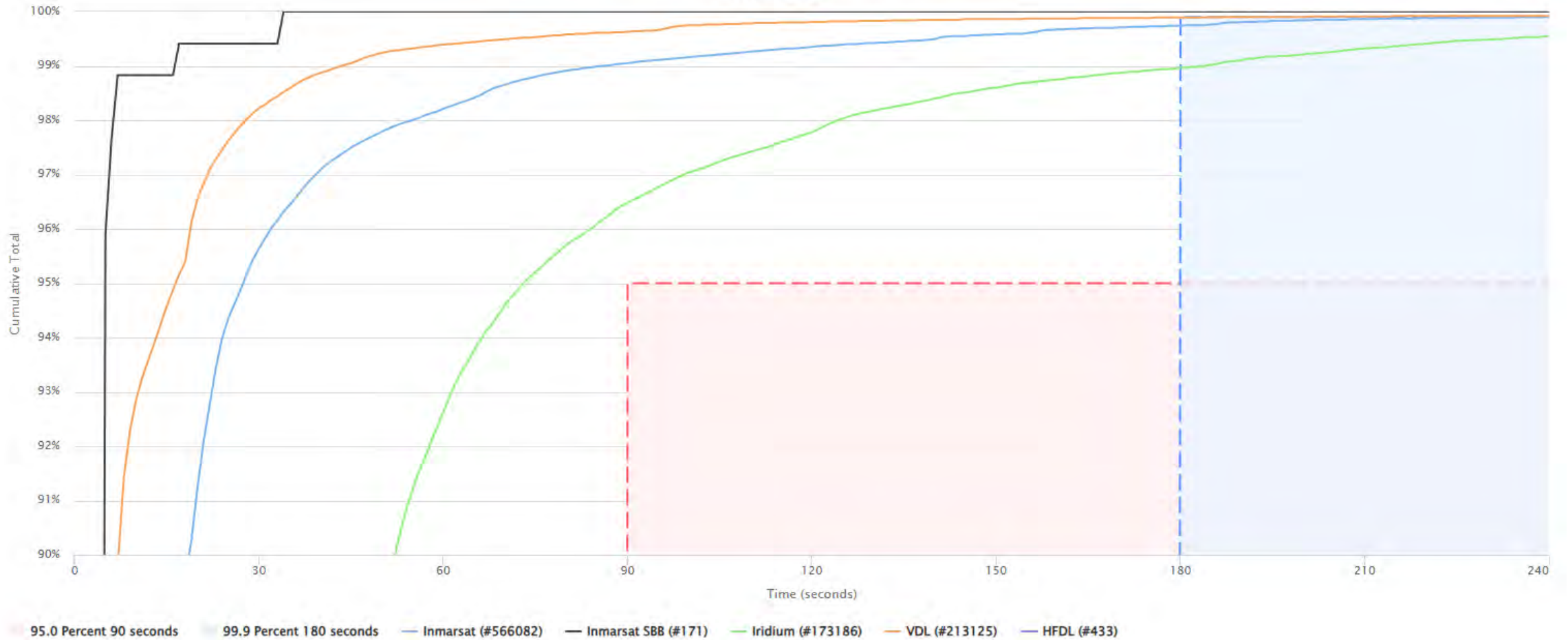


95% RSP180 Benchmark	99.9% RSP180 Benchmark
RSP <= 90 sec	RSP <= 180 sec
98.7	99.62

ADS-C RSP180 – By Media Type 2024

ADS-C RSP180 – By Media Type 2024

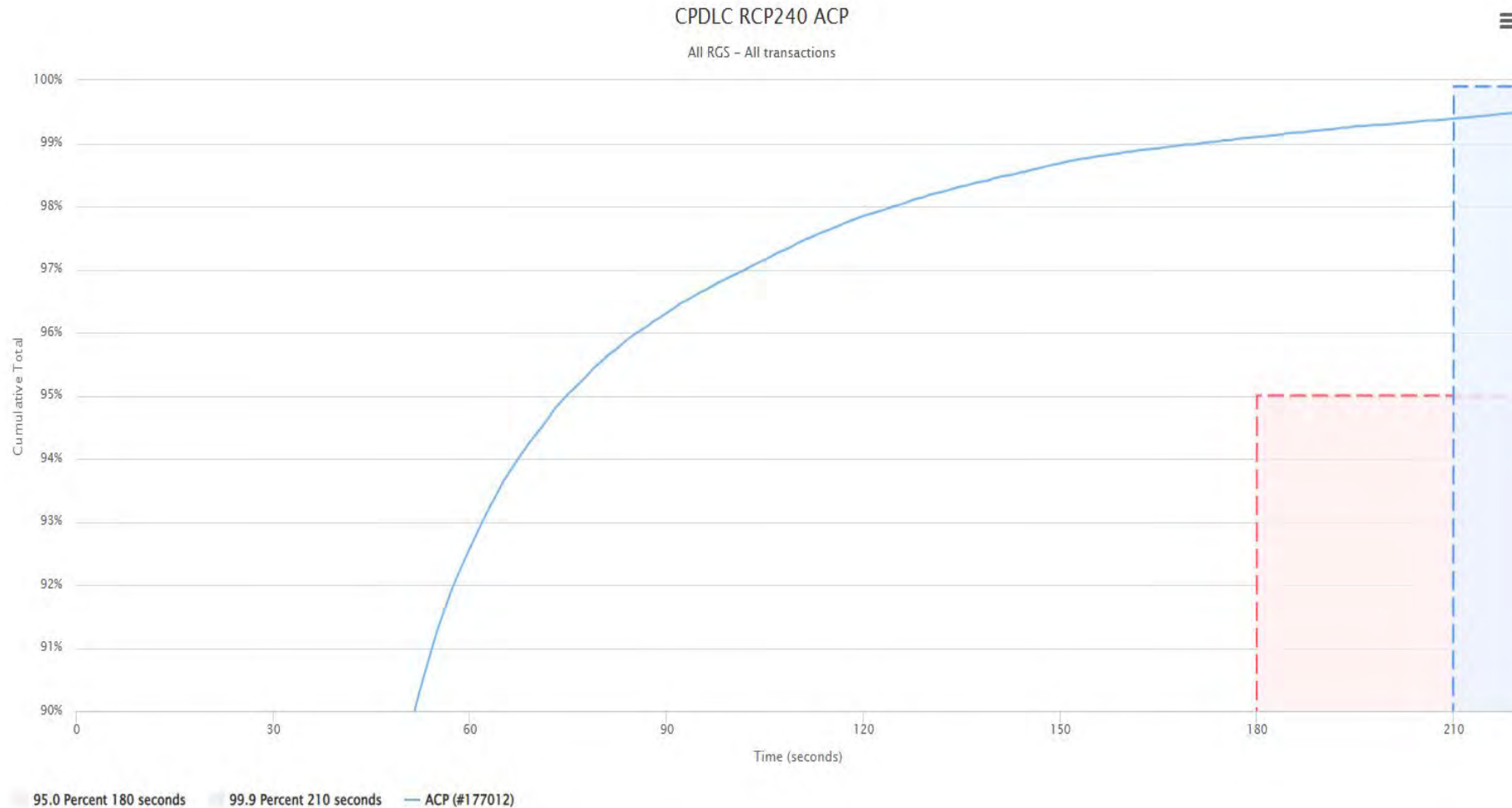
RSP180 - RGS Type



ADS-C RSP180 – By Media Type 2024

ADS-C Performance								
Colour Key		Period 1 Jan 2024 - 31 Dec 2024					95% RSP180 Benchmark	99.9% RSP180 Benchmark
■ Meets Criteria								
■ 99.0%-99.89%								
■ Under Criteria								
Media Type	RGS	Aircraft Type	Operating Company	Tail Number	ATSP	Message Count	RSP <= 90 sec	RSP <= 180 sec
Analysis by ADS-C RSP180 By Media Type 2024								
SATCOM I3	All	All	All	All	NZZO	8	100	100
SATCOM I4	All	All	All	All	NZZO	566082	99.05	99.74
SATCOM SBB	All	All	All	All	NZZO	171	100	100
SATCOM Iridium	All	All	All	All	NZZO	173186	96.48	98.96
VHF All	All	All	All	All	NZZO	213125	99.63	99.89
HF All	All	All	All	All	NZZO	433	60.73	79.21

CPDLC RCP240 – Actual Communications Performance (ACP) - All transactions 2024

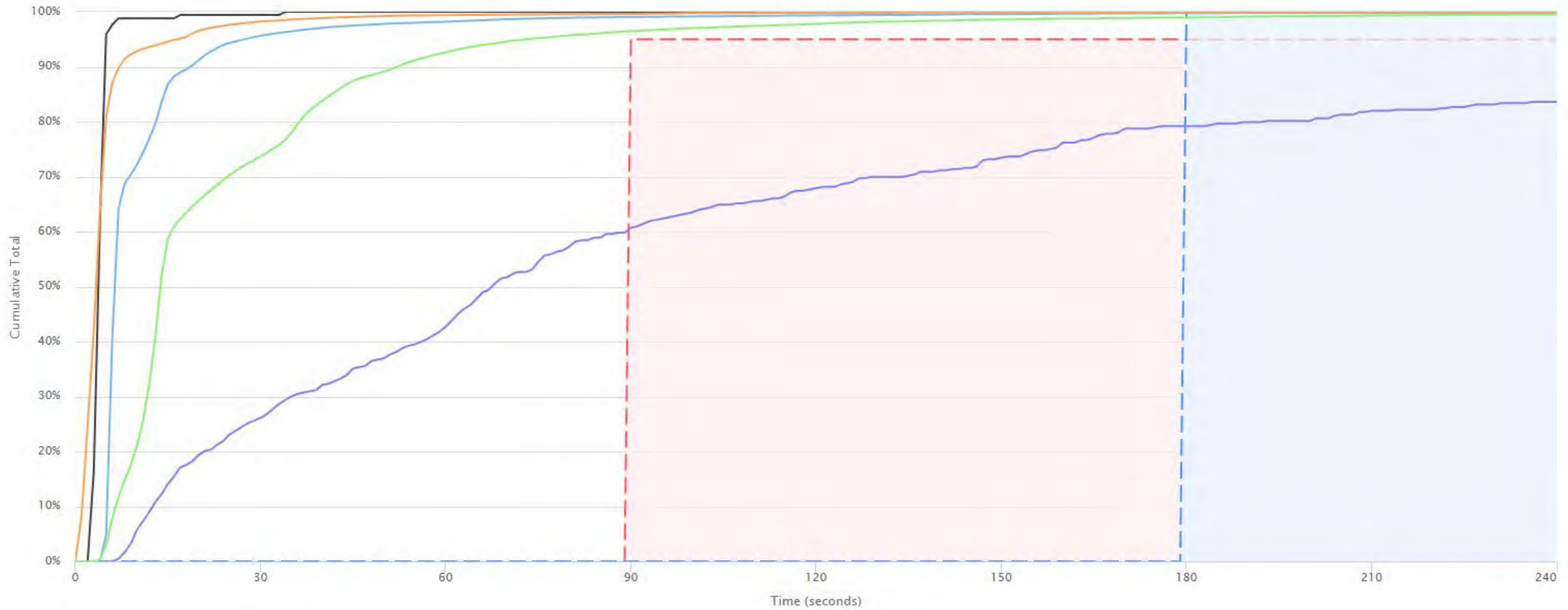


95% RCP240 Benchmark	99.9% RCP240 Benchmark
RCP <= 180 sec	RCP <= 210 sec
99.1	99.39

ADS-C RSP180 – By Media Type 2024

ADS-C RSP180 – By Media Type 2024

RSP180 – RGS Type



95.0 Percent 90 seconds 99.9 Percent 180 seconds Inmarsat (#566082) Inmarsat SBB (#171) Iridium (#173186) VDL (#213125) HFDL (#433)

PBCS 2024 – By Operating Company and Aircraft Type (Top 20)

PBCS Performance NZZO 2024 - Top 20 by message count						
Operator/ Aircraft Type	ADS-C RSP180 Performace			CPDLC RCP240 Performace		
	ADS-C Message Counts	ASP <= 90sec	% <= 180sec	CPDLC Message Counts	ACP <= 90sec	ACP <= 180sec
ANZ/B789	127264	98.94%	99.93%	22674	99.38%	99.70%
ANZ/B77W	113197	98.74%	99.60%	20824	99.24%	99.55%
ANZ/A21N	95245	97.36%	99.34%	20025	98.70%	99.17%
QFA/B789	79442	99.60%	99.97%	11905	99.77%	99.89%
ANZ/A20N	68012	96.56%	99.21%	15020	98.48%	98.93%
LAN/B789	45674	98.89%	99.63%	5861	99.23%	99.47%
UAL/B789	40658	99.64%	99.79%	6709	99.67%	99.78%
DAL/A359	29561	99.59%	99.95%	5031	99.42%	99.56%
FJI/B38M	29348	97.22%	98.42%	6631	97.06%	97.72%
JST/A21N	22896	99.03%	99.83%	4290	99.65%	99.77%

PBCS Performance NZZO 2024 - Top 20 by message count						
Operator/ Aircraft Type	ADS-C RSP180 Performace			CPDLC RCP240 Performace		
	ADS-C Message Counts	ASP <= 90sec	% <= 180sec	CPDLC Message Counts	ACP <= 90sec	ACP <= 180sec
SIA/A359	15964	99.72%	99.91%	3751	99.49%	99.65%
QFA/A388	15680	99.89%	99.96%	2313	99.78%	99.87%
AAL/B77W	15431	99.27%	99.60%	2681	99.14%	99.44%
FJI/A359	14500	98.97%	99.88%	2946	99.76%	99.83%
AAL/B789	13923	99.98%	99.99%	2293	99.61%	99.74%
UAE/A388	13773	99.95%	99.98%	3072	99.90%	99.97%
CSN/B789	12096	99.63%	99.93%	2536	99.61%	99.61%
UAL/B77W	11265	99.61%	99.93%	1995	99.45%	99.60%
UAL/B772	10842	98.84%	99.60%	1745	98.45%	98.85%
QFA/A332	10649	99.11%	99.60%	2178	99.36%	99.49%

PBCS 2024 – Operating Company and Aircraft Type below PBCS requirements

- ▶ Air New Zealand A20N and A21N – This fleet has stopped filing PBCS identifiers P2/RSP180.
- ▶ Fiji Airways A332 and A333 – Most recently DQFJV (A332) and DQFJW (A333) did not meet RSP180 requirements in December or 3-month consolidated data.

Year	Month	#	95%	99.90%
2024	Jan-Mar	39823	97.61	99.67
2024	Apr-Jun	39133	97.14	99.45
2024	Jul-Sep	38796	96.79	99.47
2024	Oct-Dec	65513	95.01	98.11
2025	Jan	18067	94.26	97.36

Period 1 Oct 2024 - 31 Dec 2024							95% RSP180 Benchmark	99.9% RSP180 Benchmark
Media Type	RGS	Aircraft Type	Operating Company	Tail Number	ATSP	Message Count	RSP <= 90 sec	RSP <= 180 sec
Analysis by RSP180								
All	All	All	FJI	DQFJV	NZZO	645	93.48	97.82
All	All	All	FJI	DQFJW	NZZO	974	93.94	98.35

Availability

- ▶ RCP240/RSP180 specifications call for a safety availability of 0.999. This is specified as:
 - Maximum of 48 unplanned outages.
 - Maximum accumulated outage of 520 minutes.
 - Unplanned outage notification within 5 minutes.
- ▶ In 2024 an assessment based on reported outages (SITA and ARINC) to NZZO that could have operational impact in NZZO shows:
 - 34 unplanned outages.
 - The accumulated outage was **3267** minutes. 61% Decline from 2023.
- ▶ A review of the 2024 outages and assessing if an operational impact was felt in NZZO shows:
 - 2 unplanned outages had operational impact.
 - The accumulated outage time where there was operational impact was 353 minutes. 93.2% Decline from 2023.



Any Questions