

IATA Airline Equipage & Capability Survey

Update for SAIOSEACG1
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Background

Fleet capabilities sought in ICAO meetings and other workshops

Much has, and is still changing post-COVID so it is an opportune time to conduct a broad survey

The objective is to build a detailed baseline database on PBCS, PBN, GNSS Augmentation, Mode S and SWIM capabilities and plans



GNSS Augmentations

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
		Aircraft Type	Total number in fleet type	Number equipped in fleet type	Region/s to be used			Are you ABAS equipped?	Indicate your GBAS capability	If not equipped, when do you plan equipping?	Indicate your SBAS capability	If not equipped, when do you plan equipping?	Indicate your Mode-S SSR capability	If not equipped or ELS, when do you plan upgrading?	
7		A388	10	10	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
8		B748	16	16	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
9		B744	4	4	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
10		B773	4	4	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
11		B772	12	12	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
12		B77W	38	38	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
13		B789	10	10	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
14		A332	8	8	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
15		A333	22	22	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
16		B738	3	3	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
17		B739	17	17	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
18		B38M	1	1	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
19		Other	10	10	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
20		B738	74	74	South Pacific	SE ASIA		Yes	CAT I	N/A	LNAV/VNAV	N/A	ELS	N/A	
21		B772	15	15	ALL ASPAC	NASIA		Yes	CAT I/II/III	N/A	None	N/A	ELS	N/A	SBAS awaiti
22		B77W	16	16	ALL ASPAC	NASIA		Yes	CAT I/II/III	N/A	None	N/A	ELS	N/A	SBAS awaiti
23		B789	13	13	ALL ASPAC	NASIA		Yes	CAT I/II/III	N/A	None	N/A	ELS	N/A	SBAS awaiti
24		B78X	5	5	ALL ASPAC	NASIA		Yes	CAT I/II/III	N/A	None	N/A	ELS	N/A	SBAS awaiti
25		A333	16	16	NASIA			No	None	Never	LNAV/VNAV	N/A	EHS	N/A	
26		B772	6	6	ALL ASPAC			No	None	Never	LNAV/VNAV	N/A	EHS	N/A	
27		B773	19	19	ALL ASPAC			No	None	Never	LNAV/VNAV	N/A	EHS	N/A	
28		B788	8	8	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	
29		B789	29	29	ALL ASPAC			Yes	CAT I	N/A	LNAV/VNAV	N/A	EHS	N/A	

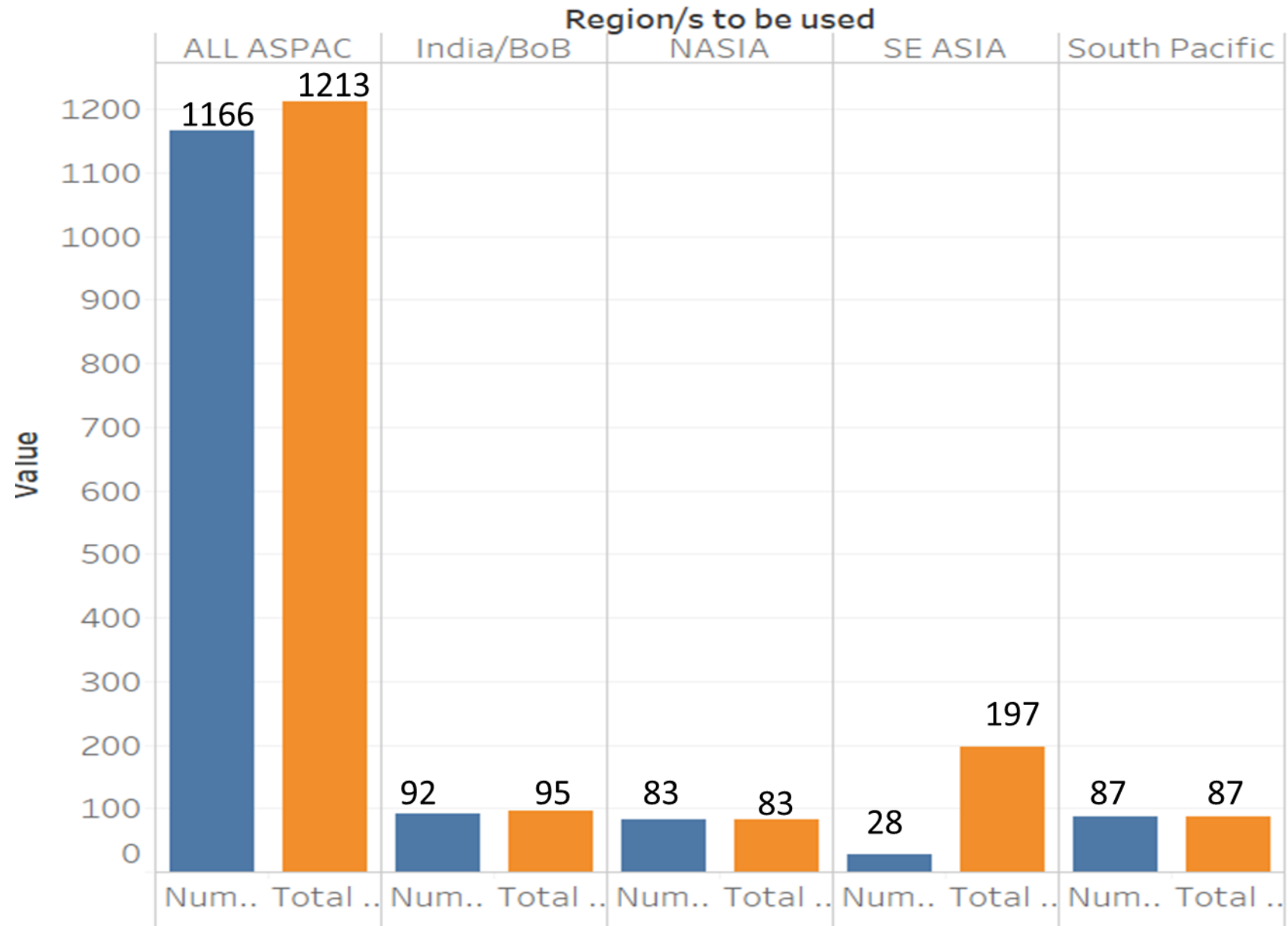


PBN

A	B	C	D	E	F	G	H	I	J	K	L	
	Aircraft Type	Total number in fleet type	Number equipped in fleet type	Region/s to be used			PBN (enroute)	PBN (terminal)	If not capable, when do you plan adopting?	Do you possess Regulator PBN Approval?	Are you currently flight planning and using the capability?	Co
7												
8	A388	10	10	All ASPAC			RNP4	RNP1	N/A	Yes	N/A	
9	B748	16	16	All ASPAC			RNP4	RNP-AR	N/A	Yes	N/A	
10	B744	4	4	All ASPAC			RNP4	RNP1	N/A	Yes	N/A	
11	B773	4	4	All ASPAC			RNP4	RNP-AR	N/A	Yes	N/A	
12	B772	12	12	All ASPAC			RNP4	RNP-AR	N/A	Yes	N/A	
13	B77W	38	38	All ASPAC			RNP4	RNP-AR	N/A	Yes	N/A	
14	B789	10	10	All ASPAC			RNP4	RNP-AR	N/A	Yes	N/A	
15	A332	8	8	All ASPAC			RNP4	RNP1	N/A	Yes	N/A	
16	A333	22	22	All ASPAC			RNP4	RNP-AR	N/A	Yes	N/A	5 aircrafts have the RNP AR approval
17	B738	3	3	All ASPAC			RNP10	RNP-AR	N/A	Yes	N/A	2 aircrafts have the RNP AR approval
18	B739	17	17	All ASPAC			RNP10	RNP-AR	N/A	Yes	N/A	6 aircrafts have the RNP AR approval
19	B38M	1	1	All ASPAC			RNP10	RNP-AR	N/A	Yes	N/A	
20	Other	10	10	All ASPAC			RNP10	RNP-AR	N/A	Yes	N/A	
21	B738	74	74	South Pacific	SE ASIA		RNAV2	RNP-AR	N/A	Yes	Yes	
22	B772	16	16	ALL ASPAC	NASIA		RNP2	RNP-AR	N/A	Yes	Yes	
23	B77W	15	15	ALL ASPAC	NASIA		RNP2	RNP-AR	N/A	Yes	Yes	
24	B789	13	13	ALL ASPAC	NASIA		RNP2	RNP-AR	N/A	Yes	Yes	
25	B78X	5	5	ALL ASPAC	NASIA		RNP2	RNP-AR	N/A	Yes	Yes	
26	A333	16	16	NASIA			RNP2	RNPO.3	N/A	Yes	Yes	
27	B772	6	6	ALL ASPAC			RNP2	RNPO.3	N/A	Yes	Yes	
28	B773	19	19	ALL ASPAC			RNP2	RNPO.3	N/A	Yes	Yes	
29	B778	8	8	ALL ASPAC			RNP2	RNPO.1	N/A	Yes	Yes	
30	B789	29	29	ALL ASPAC			RNP2	RNPO.1	N/A	Yes	Yes	



Total Vs Equipped - PBN



Ratio of PBN Equipped Aircraft by Fleet type

B77W 189	B738 142	B763 68	A21N 66	A320 66	
		A333 66	B773 44	B788 44	AT76 35
	B789 183	B772 118	B748 30	B37M 25	B739 17
B752 29			A35K 20	B764	
A20N 177		A359 112	B78X 27	A388 20	A321
				B38M	B778



Percentage of PBN Equipped Aircraft by Fleet type

A21N 100.00%	AT76 100.00%	B763 100.00%	B773 100.00%	B778 100.00%	B77W 100.00%	B788 100.00%
A332 100.00%	B37M 100.00%					
A359 100.00%	B744 100.00%	B789 100.00%	A20N 98.88%	B764 92.31%	B772 86.13%	
A35K 100.00%	B748 100.00%	B78X 100.00%				
A388 100.00%	B752 100.00%	Other 100.00%	A333 74.16%	B738 51.64%	A320 42.31%	
			A321 71.43%	B38M 38.46%		

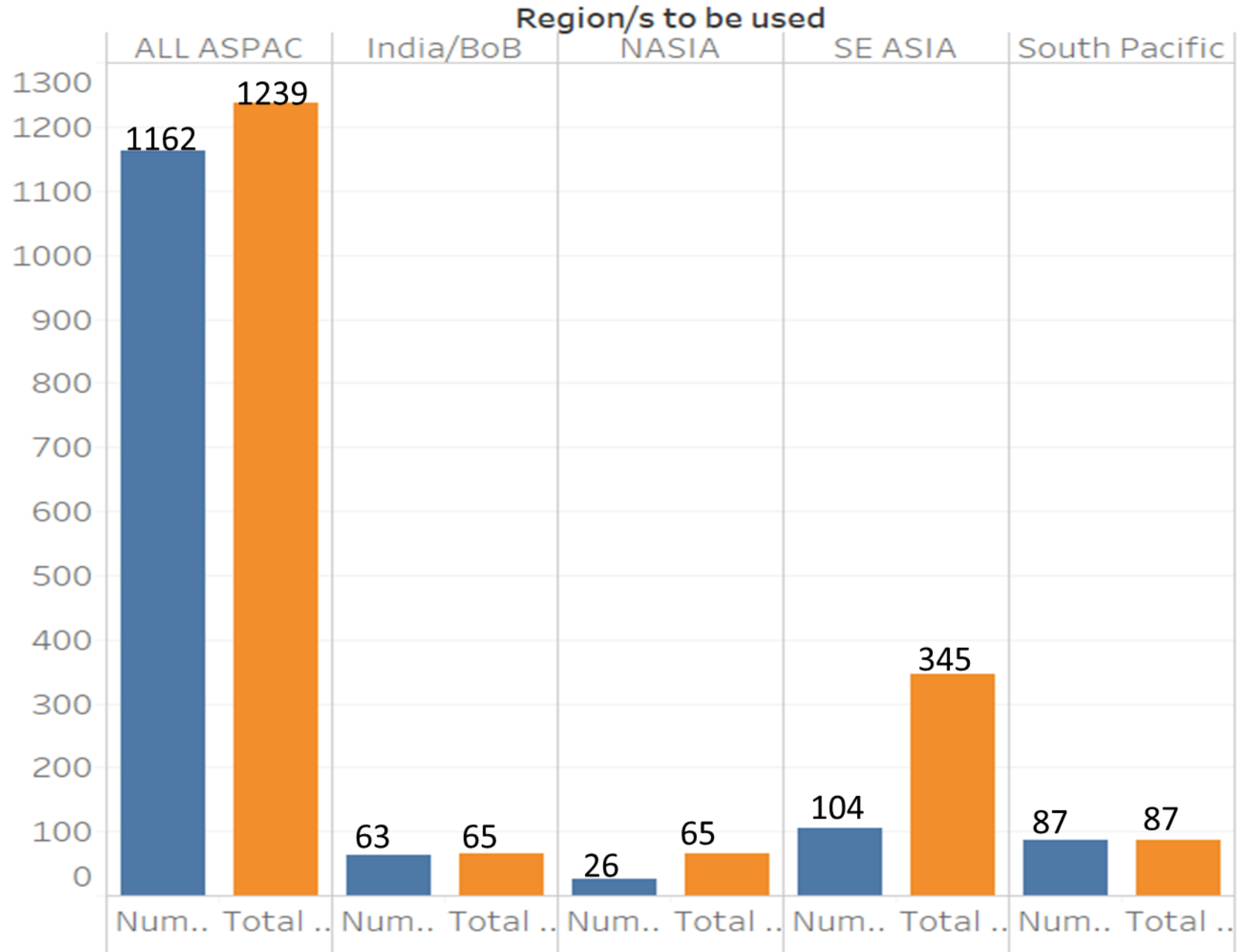


PBCS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
		Aircraft Type	Total number in fleet type	Number equipped in fleet type	Region/s to be used			CPDLC	RCP	If not equipped, when do you plan equipping?	ADS-C	RSP	If not equipped, when do you plan equipping?	Do you possess Regulator PBCS Approval?	Are you currently flight planning and using the capability?	Comments
7																
8		A388	10	10	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
9		B748	16	16	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	B747-8F(7 aircrafts) included
10		B744	4	0	All ASPAC			Yes	N/A	N/A	Yes	N/A	Never	No	N/A	This type of aircrafts are going to be s
11		B773	4	0	All ASPAC			Yes	N/A	N/A	Yes	N/A	Never	No	N/A	This type of aircrafts are going to be s
12		B772	12	11	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
13		B77W	38	38	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	B777F(12 aircrafts) included
14		B789	10	10	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
15		A332	8	8	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
16		A333	22	22	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
17		B738	3	0				No	N/A	Never	No	N/A	Never	No	N/A	Short haul only
18		B739	17	0				No	N/A	Never	No	N/A	Never	No	N/A	Short haul only
19		B38M	1	1	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
20		Other	10	0				No	N/A	Never	No	N/A	Never	No	N/A	Short haul only(A220-300)
21		B738	74	74	South Pacific	SE ASIA		No	N/A	Never	No	N/A	Never	N/A	N/A	
22		B772	15	15	All ASPAC	NASIA		Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
23		B77W	16	16	ALL ASPAC	NASIA		Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
24		B789	13	13	ALL ASPAC	NASIA		Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
25		B78X	5	5	All ASPAC	NASIA		Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
26		A333	16	16	NASIA			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	Not normally used in NASIA
27		B772	6	6	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	
28		B773	List details in Aircraft Type	19	All ASPAC			Yes	RCP 240	N/A	Yes	RSP 180	N/A	Yes	Yes	



Total vs Equipped - PBCS



Ratio of PBCS Equipped Aircraft by Fleet type

B77W 190	B738 139	B763 68	A21N 66	A320 66	
B789 183	B772 116	A333 66	B788 44	B773 40	AT76 35
A20N 177	A359 112	B748 30	B37M 25		B744 13
		B752 29	A35K 20	B764 12	
		B78X 27	A388 20		

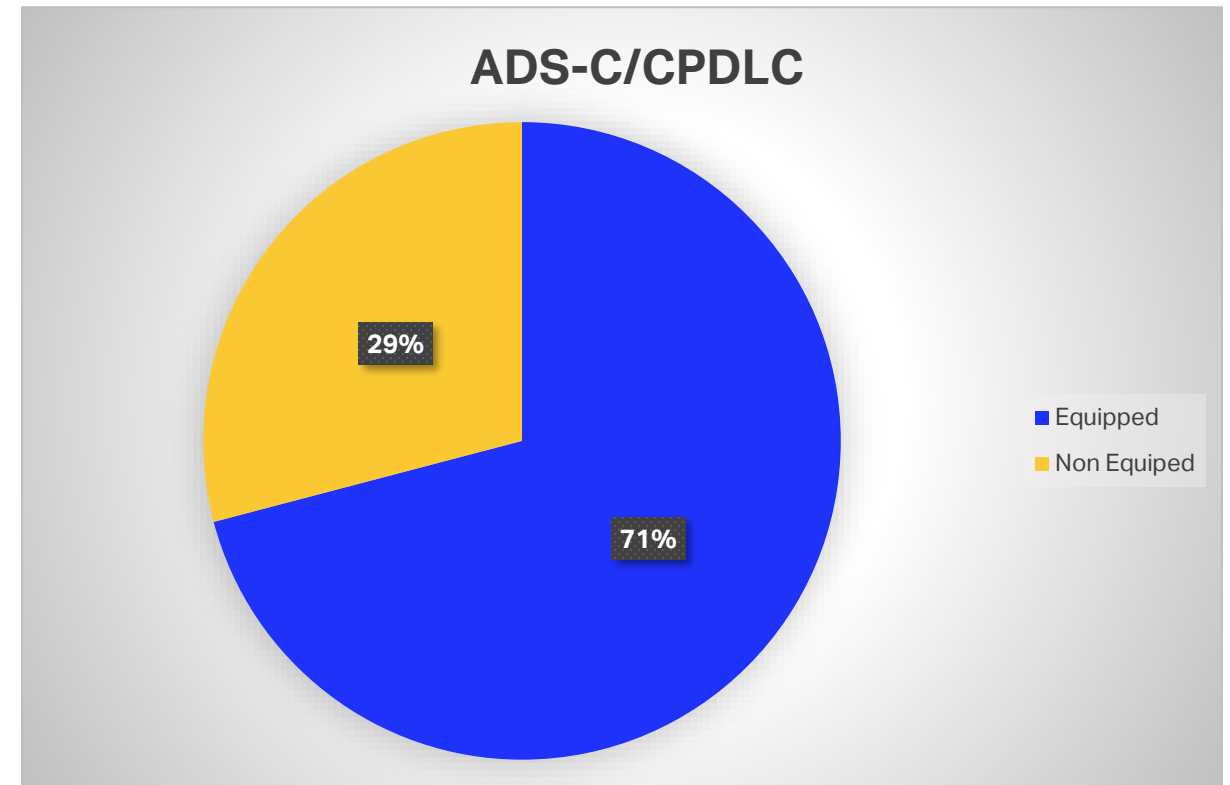
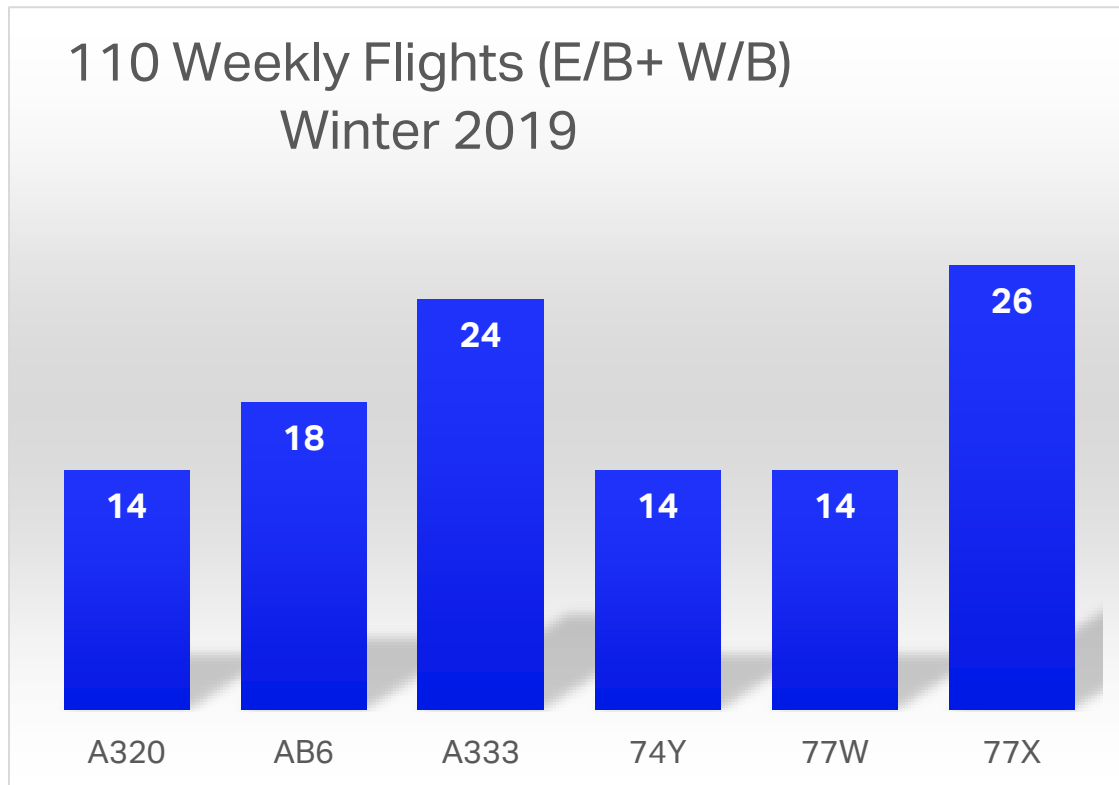


Percentage of PBCS Equipped Aircraft by Fleet type

A21N 100.00%	AT76 100.00%	B77W 100.00%	B788 100.00%	B789 100.00%	B78X 100.00%
A332 100.00%	B37M 100.00%	A20N 98.88%	B744 76.47%	B772 75.32%	A333 74.16%
A359 100.00%	B748 100.00%				
A35K 100.00%	B752 100.00%	B764 92.31%	A321 71.43%	B38M 44.83%	B738 43.03%
A388 100.00%	B778 100.00%				
		B773 90.91%	B763 68.69%	A320 42.31%	



BOB 01: Equipage Survey & Schedules analysis



Thank you.



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