

NOTE

to ACNL
date 20 September 2022
subject 2022 update 2 of noise values for slot allocation
our reference 22.913.02

Introduction

The Worldwide Airport Slot Guidelines (WASG), article 8.4.1, states that when slots cannot be allocated using the primary criteria, coordinators should not simply allocate the remaining slots pro-rata, but instead should give consideration to additional factors, of which the environment is one. ACNL assesses slot requests for which additional allocation criteria will be applied in two steps. In the first step, check marks are granted for requests when a factor is considered relevant to a certain extent. The more check marks, the more the request is on the top of the pile. Noise is one of the aspects on which a check mark can be granted, as shown below.

Environment	Measured by Effective Perceived Noise (EPNdB, in dB). More than 23 EPNdB is granted a check mark.	<ul style="list-style-type: none"> • ACNL will publish on her website a categorization of aircraft related to noise emissions. This list will be updated seasonally. • If a group code is used for the aircraft type in the request, the aircraft with the median (or highest, in case of two values) EPNdB in that group is used. • ACNL can customize per season the limit of the check mark. • Exclusion of the period of 19h-23h-07h is considered in step 2 because to some extent these times are already incorporated in the coordination parameters.
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A list with noise values per aircraft type was constructed in 2021, which serves as input for the criteria described above. The noise list provides the cumulative noise certification margin per IATA code.

Second Update of 2022

The noise list is constructed based on the EASA Certification Noise levels database and the ICAO NoisedB database. These databases are updated regularly, which might have an impact on the noise certification levels. For the second update of 2022, the most recent versions of the EASA and ICAO databases have been used, being:

- EASA Certification Noise Levels database (update of September 2nd, 2022).
- ICAO NoisedB database (update of September 9th, 2022).

New aircraft type configurations are added, and some values have been revised in comparison with the previous versions of the database. This has an effect on the noise values in the noise list. If for example a new configuration of an aircraft is added with a new, quieter engine type, the new average noise certification level for this aircraft is lower, and therefore the margin with the noise certification limit higher. On the contrary, if a new configuration of an aircraft with more payload capabilities is added, the new average noise certification level for this aircraft is higher, and therefore the margin with the noise certification limit lower.

NOTE

Noise margins

The noise metric used in the noise list is the margin between the noise certification level and the noise certification limit. The noise certification level, or Effective Perceived Noise (EPNdB, in dB), is the cumulative measured noise for flyover, approach and lateral according to ICAO Annex 16, Volume I. The noise certification limit is also defined in ICAO Annex 16, Volume 1. The cumulative margin is calculated by subtracting the noise certification levels from the noise certification limits. The noise certification levels and limits for flyover, approach and lateral of all approved aircraft configurations are recorded in a database that is publicly available through EASA.

Determining aircraft noise certification level margins for each aircraft is done based on the information that is provided when applying for a slot, which is the IATA-code. Different configurations of the same aircraft type often have the same IATA-code. To cope with this, an average of the noise certification level margins of all different configurations in the EASA database is taken for each IATA-code. Due to taking the average noise certification level margin of all aircraft configurations in the EASA database, noise certification level margins of the actual configuration might differ from the values found in the list with noise values.

Other cases

Not all aircraft types are included in the EASA or ICAO database with noise certification level margins. If available, a closely related and representative aircraft type is used instead. If a closely related and representative aircraft type was not available, the aircraft type is initially not included in the published list. A suitable solution will be searched for if noise ends up being the decisive factor for any of the unavailable aircraft types. For example, modern aircraft that are not yet included in the list provided by ACNL, might have been added to the latest version of the database with noise certification levels by EASA. If no suitable solution can be found, ACNL will apply the criteria listed under step 2 of the policy rule.

Name	Type	Group	Category	Body	ICAO Code	IATA code used	Margin to noise certification limit	Remark
Aerospatiale SN601 Corvette	NDC	NDC	2J	Narrow	S601		21,80	
AgustaWestland A109	AGH	AGH	H		A109			Helicopter
AgustaWestland AW139	AWH	AWH	H		A139			Helicopter
AgustaWestland AW169	AW6	AW6	H		A169			Helicopter
AgustaWestland AW189	AW8	AW8	H		A189			Helicopter
Airbus A220-100 Passenger	221	220	2J	Narrow	BCS1		28,07	
Airbus A220-300 Passenger	223	220	2J	Narrow	BCS3		26,41	
Airbus A300-600 Freighter	ABY	ABF	2J		A306		13,10	
Airbus A300-600 Passenger	AB6	AB3	2J	Wide	A306		12,57	
Airbus A300-600ST Beluga Freighter	ABB	ABF	2J		A3ST		14,35	
Airbus A300B2 / A300B4 Passenger	AB4	AB3	2J	Wide	A30B		6,72	
Airbus A300B4 / A300C4 / A300F4 Freighter	ABX	ABF	2J		A30B	AB4	6,72	
Airbus A310-200 Freighter	31X	31F	2J		A310	312	11,28	
Airbus A310-200 Passenger	312	310	2J	Wide	A310		11,28	
Airbus A310-300 Freighter	31Y	31F	2J		A310	313	13,83	
Airbus A310-300 Passenger	313	310	2J	Wide	A310		13,83	
Airbus A318 Passenger	318	32S	2J	Narrow	A318		19,74	
Airbus A318 Passenger (sharklets)	31A	32S	2J	Narrow	A318	318	19,74	
Airbus A319 Passenger	319	32S	2J	Narrow	A319		18,39	
Airbus A319 Passenger (sharklets)	31B	32S	2J	Narrow	A319		19,26	
Airbus A319neo Passenger	31N	32S	2J	Narrow	A19N		30,83	
Airbus A320 Freighter	32F	32F	2J		A320	320	16,39	
Airbus A320 Passenger	320	32S	2J	Narrow	A320		16,39	
Airbus A320 Passenger (sharklets)	32A	32S	2J	Narrow	A320		17,98	
Airbus A320neo Passenger	32N	32S	2J	Narrow	A20N		29,89	
Airbus A321 Freighter	32X	32X	2J		A321	321	11,12	
Airbus A321 Passenger	321	32S	2J	Narrow	A321		11,12	
Airbus A321 Passenger (sharklets)	32B	32S	2J	Narrow	A321		13,61	
Airbus A321neo Passenger	32Q	32S	2J	Narrow	A21N		24,79	
Airbus A330-200 Freighter	33X	33F	2J		A332		16,25	
Airbus A330-200 Passenger	332	330	2J	Wide	A332		14,18	
Airbus A330-300 Freighter	33Y	33F	2J		A333	333	14,96	
Airbus A330-300 Passenger	333	330	2J	Wide	A333		14,96	
Airbus A330-700 Beluga XL Freighter	33B	33F	2J		A337		17,90	
Airbus A330-800neo Passenger	338	330	2J	Wide	A338		25,75	
Airbus A330-900neo Passenger	339	330	2J	Wide	A333		25,64	
Airbus A340-200	342	340	4J	Wide	A342		22,99	
Airbus A340-300	343	340	4J	Wide	A343		22,67	
Airbus A340-500	345	340	4J	Wide	A345		23,23	
Airbus A340-600	346	340	4J	Wide	A346		23,41	

Airbus A350-1000	351	350	2J	Wide	A35K			26,67	
Airbus A350-800	358	350	2J	Wide	A358				Development suspended
Airbus A350-900	359	350	2J	Wide	A359			32,63	
Airbus A380-800 Passenger	388	380	4J	Wide	A388			28,38	
Airbus A380-800F Freighter	38F	38F	4J		A388	388		28,38	
Airbus A400M Atlas	AI4	AI4	4T		A400			12,40	
Airbus Helicopters (MBB) BO105	MBH	MBH	H		B105				Helicopter
Airbus Helicopters AS350 Ecureuil / AS355 Ecureuil 2	NDE	NDE	H		*				Helicopter
Airbus Helicopters EC130 / EC130T2	EC3	EC3	H		EC30				Helicopter
Airbus Helicopters EC145 / EC145T2	EC4	EC4	H		EC45				Helicopter
Airbus Helicopters EC155	EC5	EC5	H		EC55				Helicopter
Airbus Helicopters EC175	EC7	EC7	H		EC75				Helicopter
Airbus Helicopters H160	H16	H16	H		H160				Helicopter
Airbus Helicopters SA330 Puma / AS332 Super Puma	APH	APH	H		*				Helicopter
Airbus Helicopters SA365C / SA365N Dauphin 2	NDH	NDH	H		*				Helicopter
Aircraft Industries (LET) 410 Freighter	L4F	L4F	2T		L410	L4T		25,03	
Aircraft Industries (LET) 410 Passenger	L4T	L4T	2T	Narrow	L410			25,03	
Antonov An-12	ANF	ANF	4T	Narrow	AN12			8,90	
Antonov An-124 Ruslan	A4F	A4F	4J	Wide	A124			1,28	
Antonov An-140	A40	A40	2T	Narrow	A140			13,73	
Antonov An148-100	A81	A81	2J	Narrow	A148			12,82	12,82
Antonov An-158	A58	A58	2J	Narrow	A158			10,70	
Antonov An-178	A78	A78	2J	Narrow	A178				Military
Antonov An-22	A22	A22	4T	Wide	AN22				Military
Antonov An-225	A5F	A5F	6J	Wide	A225			3,90	
Antonov An-24	AN4	AN4	2T	Narrow	AN24			6,98	
Antonov An-26	A26	AN6	2T	Narrow	AN26			1,10	
Antonov An-28 / PZL Mielec M-28 Skytruck	A28	A28	2T	Narrow	AN28				Not in database
Antonov An-30	A30	AN6	2T	Narrow	AN30			12,50	
Antonov An-32	A32	AN6	2T	Narrow	AN32			9,83	
Antonov An-38	A38	A38	2T	Narrow	AN38			22,30	
Antonov An-72 / An-74	AN7	AN7	2J	Narrow	AN72			3,48	
ATR 42 Freighter	ATZ	ATZ	2T		*	AT4		23,00	
ATR 42 Passenger	AT4	ATR	2T	Narrow	*			23,00	
ATR 72 Freighter	ATF	ATF	2T		AT72	AT7		14,60	
ATR 72 Passenger	AT7	ATR	2T	Narrow	AT72			14,60	
Avro RJ100	AR1	ARJ	4J	Narrow	RJ1H			16,65	
Avro RJ70	AR7	ARJ	4J	Narrow	RJ70			18,60	
Avro RJ85	AR8	ARJ	4J	Narrow	RJ85			18,19	
BAE Systems ATP Freighter	APF	APF	2T		ZZZZ	ATP		22,22	
BAE Systems ATP Passenger	ATP	ATP	2T	Narrow	ATP			22,22	

BAE Systems (BAC) One-Eleven 200	B12	B11	2J	Narrow	BA11			8,52	
BAE Systems (BAC) One-Eleven 300	B13	B11	2J	Narrow	BA11			4,85	
BAE Systems (BAC) One-Eleven 400 / 475	B14	B11	2J	Narrow	BA11			4,38	
BAE Systems (BAC) One-Eleven 500 / RomBac One-Eleven 560	B15	B11	2J	Narrow	BA11			2,87	
BAE Systems (De Havilland) 104 Dove	DHD	DHD	2P	Narrow	DOVE				Light aircraft
BAE Systems (De Havilland) 114 Heron	DHH	DHH	4P	Narrow	HERN				Light aircraft
BAE Systems (Hawker Siddeley) 748 / Andover	HS7	HS7	2T	Narrow	A748			5,72	
BAE Systems 146-100 Freighter	14X	14F	4J		B461	141		20,84	
BAE Systems 146-100 Passenger	141	146	4J	Narrow	B461			20,84	
BAE Systems 146-200 Freighter	14Y	14F	4J		B462	142		18,12	
BAE Systems 146-200 Passenger	142	146	4J	Narrow	B462			18,12	
BAE Systems 146-300 Freighter	14Z	14F	4J		B463	143		17,60	
BAE Systems 146-300 Passenger	143	146	4J	Narrow	B463			17,60	
BAE Systems Jetstream 31	J31	JST	2T	Narrow	JS31				Not in database
BAE Systems Jetstream 32	J32	JST	2T	Narrow	JS32				Not in database
BAE Systems Jetstream 41	J41	JST	2T	Narrow	JS41			22,92	
Bell (Helicopters)	BH2	BH2	H		*				Helicopter
Boeing (Douglas) DC-10-10 / 15 Passenger	D11	D10	3J	Wide	DC10			4,72	
Boeing (Douglas) DC-10-10 Freighter	D1X	D1F	3J		DC10	D11		4,72	
Boeing (Douglas) DC-10-30 / 40 Freighter	D1Y	D1F	3J		DC10			5,18	
Boeing (Douglas) DC-10-30 / 40 Passenger	D1C	D10	3J	Wide	DC10			5,18	
Boeing (Douglas) DC-10-30 Mixed Configuration	D1M	D1M	3J	Wide	DC10	D1Y		5,18	
Boeing (Douglas) DC-3 Freighter	D3F	D3F	2P		DC3				Not in database
Boeing (Douglas) DC-3 Passenger	DC3	DC3	2P	Narrow	DC3				Not in database
Boeing (Douglas) DC-4	DC4	DC4	4P	Narrow	DC4				Not in database
Boeing (Douglas) DC-6A / DC-6B / DC-6C Freighter	D6F	D6F	4P		DC6				Not in database
Boeing (Douglas) DC-6B Passenger	DC6	DC6	4P	Narrow	DC6				Not in database
Boeing (Douglas) DC-8-50 Freighter	D8T	D8F	4J		DC85				Not in database
Boeing (Douglas) DC-8-61 / 62 / 63 Freighter	D8X	D8F	4J		DC86				Not in database
Boeing (Douglas) DC-8-62 Mixed Configuration	D8M	D8M	4J	Narrow	DC86				Not in database
Boeing (Douglas) DC-8-62 Passenger	D8L	DC8	4J	Narrow	DC86				Not in database
Boeing (Douglas) DC-8-71 / 72 / 73 Freighter	D8Y	D8F	4J		DC87	D8Q		17,50	
Boeing (Douglas) DC-8-72 Passenger	D8Q	DC8	4J	Narrow	DC87			17,50	
Boeing (Douglas) DC-9-10 Freighter	D9X	D9F	2J		DC91				Not in database
Boeing (Douglas) DC-9-10 Passenger	D91	DC9	2J	Narrow	DC91				Not in database
Boeing (Douglas) DC-9-20 Passenger	D92	DC9	2J	Narrow	DC92				Not in database
Boeing (Douglas) DC-9-30 Freighter	D9C	D9F	2J		DC93				Not in database
Boeing (Douglas) DC-9-30 Passenger	D93	DC9	2J	Narrow	DC93				Not in database
Boeing (Douglas) DC-9-40 Freighter	D9D	D9F	2J		DC94				Not in database
Boeing (Douglas) DC-9-40 Passenger	D94	DC9	2J	Narrow	DC94				Not in database
Boeing (Douglas) DC-9-50 Passenger	D95	DC9	2J	Narrow	DC95				Not in database

Boeing (Douglas) MD-11 Freighter	M1F	M1F	3J		MD11	M11		14,49	
Boeing (Douglas) MD-11 Mixed Configuration	M1M	M1M	3J	Wide	MD11	M11		14,49	
Boeing (Douglas) MD-11 Passenger	M11	M11	3J	Wide	MD11			14,49	
Boeing (Douglas) MD-81 Passenger	M81	M80	2J	Narrow	MD81			11,83	
Boeing (Douglas) MD82 Freighter	M2F	M2F	2J		MD82	M82		11,32	
Boeing (Douglas) MD-82 Passenger	M82	M80	2J	Narrow	MD82			11,32	
Boeing (Douglas) MD83 Freighter	M3F	M3F	2J		MD83	M83		11,48	
Boeing (Douglas) MD-83 Passenger	M83	M80	2J	Narrow	MD83			11,48	
Boeing (Douglas) MD-87 Passenger	M87	M80	2J	Narrow	MD87			10,89	
Boeing (Douglas) MD88 Freighter	M8F	M8F	2J		MD88	M88		11,92	
Boeing (Douglas) MD-88 Passenger	M88	M80	2J	Narrow	MD88			11,92	
Boeing (Douglas) MD-90	M90	M90	2J	Narrow	MD90			24,86	
Boeing 707-320B / 320C Freighter	70F	70F	4J		B703				Not in database
Boeing 707-320B / 320C Mixed Configuration	70M	70M	4J	Narrow	B703				Not in database
Boeing 707-320B / 320C Passenger	703	707	4J	Narrow	B703				Not in database
Boeing 717-200	717	717	2J	Narrow	B712			20,83	
Boeing 720-020B	B72	707	4J	Narrow	B720				Not in database
Boeing 727-100 Freighter	72X	72F	3J		B721				Not in database
Boeing 727-100 Mixed Configuration	72B	72M	3J	Narrow	B721				Not in database
Boeing 727-100 Passenger	721	727	3J	Narrow	B721				Not in database
Boeing 727-200 Freighter	72Y	72F	3J		B722			2,40	
Boeing 727-200 Mixed Configuration	72C	72M	3J	Narrow	B722	722		1,31	
Boeing 727-200 Passenger	722	727	3J	Narrow	B722			1,31	
Boeing 727-200 Passenger (winglets)	72W	727	3J	Narrow	B722	722		1,31	
Boeing 737 MAX 10 Passenger	7M1	737	2J	Narrow	ZZZZ				New type, no data available yet
Boeing 737 MAX 7 Passenger / BBJ MAX 7	7M7	737	2J	Narrow	B37M				New type, no data available yet
Boeing 737 MAX 8 Passenger / BBJ MAX 8/ MAX 200	7M8	737	2J	Narrow	B38M			25,77	
Boeing 737 MAX 9 Passenger / BBJ MAX 9	7M9	737	2J	Narrow	B39M			24,99	
Boeing 737-100 Passenger	731	737	2J	Narrow	B731				Not in database
Boeing 737-200 Freighter	73X	73F	2J		B732	732		1,21	
Boeing 737-200 Mixed Configuration	73L	73M	2J	Narrow	B732	732		1,21	
Boeing 737-200 Passenger	732	737	2J	Narrow	B732			1,21	
Boeing 737-300 Freighter	73Y	73F	2J		B733	733		12,58	
Boeing 737-300 Mixed Configuration	73N	73M	2J	Narrow	B733	733		12,58	
Boeing 737-300 Passenger	733	737	2J	Narrow	B733			12,58	
Boeing 737-300 Passenger (winglets)	73C	737	2J	Narrow	B733	733		12,58	
Boeing 737-400 Freighter	73P	73F	2J		B734	734		11,75	
Boeing 737-400 Mixed Configuration	73Q	73M	2J	Narrow	B734	734		11,75	
Boeing 737-400 Passenger	734	737	2J	Narrow	B734			11,75	
Boeing 737-500 Passenger	735	737	2J	Narrow	B735			14,01	
Boeing 737-500 Passenger (winglets)	73E	737	2J	Narrow	B735	735		14,01	

Boeing 737-600 Passenger	736	737	2J	Narrow	B736		16,79
Boeing 737-700 Freighter	73S	73F	2J		B737	73G	15,05
Boeing 737-700 Freighter (winglets)	73T	73F	2J		B737	73G	15,05
Boeing 737-700 Mixed Configuration/BBJC	73R	73M	2J	Narrow	B737	73G	15,05
Boeing 737-700 Passenger	73G	737	2J	Narrow	B737		15,05
Boeing 737-700 Passenger (Scimitar Winglets)	757	737	2J	Narrow	B737	73G	15,05
Boeing 737-700 Passenger/BBJ1 (winglets)	73W	737	2J	Narrow	B737	73G	15,05
Boeing 737-800 Freighter	73U	73F	2J		B738	738	13,58
Boeing 737-800 Freighter (winglets)	73K	73F	2J		B738	738	13,58
Boeing 737-800 Passenger	738	737	2J	Narrow	B738		13,58
Boeing 737-800 Passenger (Scimitar Winglets)	758	737	2J	Narrow	B738	738	13,58
Boeing 737-800 Passenger/BBJ2 (winglets)	73H	737	2J	Narrow	B738	738	13,58
Boeing 737-900 Passenger	739	737	2J	Narrow	B739		13,09
Boeing 737-900 Passenger (Scimitar Winglets)	759	737	2J	Narrow	B739	739	13,09
Boeing 737-900 Passenger/BBJ3 (winglets)	73J	737	2J	Narrow	B739	739	13,09
Boeing 747-100 Freighter	74T	74F	4J		B741	741	7,60
Boeing 747-100 Passenger	741	747	4J	Wide	B741		7,60
Boeing 747-200 Freighter	74X	74F	4J		B742	742	5,94
Boeing 747-200 Mixed Configuration	74C	74M	4J	Wide	B742	742	5,94
Boeing 747-200 Passenger	742	747	4J	Wide	B742		5,94
Boeing 747-300 / 747-100/200 SUD Passenger	743	747	4J	Wide	B743		7,53
Boeing 747-300 / 747-200 SUD Freighter	74U	74F	4J		B743	743	7,53
Boeing 747-300 / 747-200 SUD Mixed Configuration	74D	74M	4J	Wide	B743	743	7,53
Boeing 747-400 Freighter	74Y	74F	4J		B744	744	14,49
Boeing 747-400 Mixed Configuration	74E	74M	4J	Wide	B744	744	14,49
Boeing 747-400 Passenger	744	747	4J	Wide	B744		14,49
Boeing 747-400 Passenger (Domestic)	74J	747	4J	Wide	B74D	744	14,49
Boeing 747-400 Swingtail Freighter	74B	74F	4J		B744	744	14,49
Boeing 747-8 Passenger	74H	747	4J	Wide	B748		28,04
Boeing 747-8F Freighter	74N	74F	4J		B748	74H	28,04
Boeing 747SP Passenger	74L	747	4J	Wide	B74S		3,55
Boeing 747SR Freighter	74V	74F	4J		B74R	74L	3,55
Boeing 747SR Passenger	74R	747	4J	Wide	B74R	74L	3,55
Boeing 757-200 Freighter	75C	75F	2J		B752	752	17,63
Boeing 757-200 Freighter (winglets)	75V	75F	2J		B752	752	17,63
Boeing 757-200 Mixed Configuration	75M	75M	2J	Narrow	B752	752	17,63
Boeing 757-200 Passenger	752	757	2J	Narrow	B752		17,63
Boeing 757-200 Passenger (winglets)	75W	757	2J	Narrow	B752	752	17,63
Boeing 757-300 Passenger	753	757	2J	Narrow	B753		17,56
Boeing 757-300 Passenger (winglets)	75T	757	2J	Narrow	B753	753	17,56
Boeing 767-200 Freighter	76X	76F	2J		B762	762	14,51

Boeing 767-200 Passenger	762	767	2J	Wide	B762			14,51	
Boeing 767-300 Freighter	76Y	76F	2J		B763			17,60	
Boeing 767-300 Freighter (winglets)	76V	76F	2J		B763	76Y		17,60	
Boeing 767-300 Passenger	763	767	2J	Wide	B763			15,52	
Boeing 767-300 Passenger (winglets)	76W	767	2J	Wide	B763	763		15,52	
Boeing 767-400 Passenger	764	767	2J	Wide	B764			17,05	
Boeing 777-200 / 200ER Passenger	772	777	2J	Wide	B772			19,29	
Boeing 777-200F Freighter	77X	77F	2J		B772			18,14	
Boeing 777-200LR Passenger	77L	777	2J	Wide	B77L	772		19,29	
Boeing 777-300 Passenger	773	777	2J	Wide	B773			17,05	
Boeing 777-300ER Passenger	77W	777	2J	Wide	B77W			17,10	
Boeing 777-9 Passenger	779	777	2J	Wide	B779				Not in database
Boeing 787-10	781	787	2J	Wide	B78X			29,44	
Boeing 787-8	788	787	2J	Wide	B788			29,46	
Boeing 787-9	789	787	2J	Wide	B789			28,96	
Boeing C17 Globemaster	C17	C17	4J		C17				Military
Bombardier BD-700 Global Express/Global 5000	CCX	CCX	2J	Narrow	GLEX			22,71	
Bombardier Challenger 300	CL3	CL3	2J	Narrow	CL30			27,73	
Bombardier Challenger 350	CL5	CL5	2J	Narrow	CL35			26,40	
Bombardier CS100 (remains valid until 31MAR20)	CS1	CSB	2J	Narrow	BCS1				IATA code not valid anymore
Bombardier CS300 (remains valid until 31MAR20)	CS3	CSB	2J	Narrow	BCS3				IATA code not valid anymore
Bombardier Global 6000	CC6	CC6	2J	Narrow	GLEX			21,43	
Bombardier Global 7000	CC7	CC7	2J	Narrow	GL7T	C75		23,60	
Bombardier Global 7500	C75	C75	2J	Narrow	ZZZZ			23,60	
Britten-Norman BN-2A / BN-2B Islander	BNI	BNI	2P	Narrow	BN2P				Light aircraft
Britten-Norman BN-2A Mk.III Trislander	BNT	BNT	3P	Narrow	TRIS				Light aircraft
Business Turbo-Prop Aircraft	BTA	BTA	2T	Narrow	ZZZZ				Light aircraft
Canadair (Bombardier) CL-600 / 601 / 604 / 605 Challenger	CCJ	CCJ	2J	Narrow	CL60			20,69	
Canadair (Bombardier) Regional Jet 100	CR1	CRJ	2J	Narrow	CRJ1			28,64	
Canadair (Bombardier) Regional Jet 1000	CRK	CRJ	2J	Narrow	CRJX			14,94	
Canadair (Bombardier) Regional Jet 200	CR2	CRJ	2J	Narrow	CRJ2	CR1		28,64	
Canadair (Bombardier) Regional Jet 550	CR5	CRJ	2J	Narrow	CRJ7			20,30	
Canadair (Bombardier) Regional Jet 700 and Challenger 870	CR7	CRJ	2J	Narrow	CRJ7			16,47	
Canadair (Bombardier) Regional Jet 705	CRA	CRJ	2J	Narrow	CRJ9			16,47	
Canadair (Bombardier) Regional Jet 900 and Challenger 890	CR9	CRJ	2J	Narrow	CRJ9			16,35	
Canadair (Bombardier) Regional Jet Freighter	CRF	CRF	2J		ZZZZ				Not in database
CASA / IAe 212 Aviocar	CS2	CS2	2T	Narrow	C212			21,16	
CASA / IAe C-295	CS9	CS9	2T	Narrow	C295			11,90	
CASA / IAe CN-235	CS5	CS5	2T	Narrow	CN35			17,59	
Cessna (Light aircraft-single piston engine)	CN1	CNA	1P	Narrow	*				Light aircraft
Cessna (Light aircraft-single turboprop engine)	CNC	CNA	1T	Narrow	*				Light aircraft

Cessna (Light aircraft-twin piston engines)	CN2	CNA	2P	Narrow	*			Light aircraft
Cessna (Light aircraft-twin turboprop engines)	CNT	CNA	2T	Narrow	*			Light aircraft
Cessna 208B Caravan	CNF	CNF	1T		*			Light aircraft
Cessna 408 SkyCourier	CS4	CS4	2T	Narrow	C408			Light aircraft
Cessna 500/ 501/ 525/ M2 Citation	CJ1	CNJ	2J	Narrow	*		27,53	
Cessna 510 Mustang Citation	CJM	CNJ	2J	Narrow	C510		36,10	
Cessna 550/ 551/ 552 Citation	CJ2	CNJ	2J	Narrow	*		30,90	
Cessna 560 Citation	CJ5	CNJ	2J	Narrow	*		25,47	
Cessna 560 XL/XLS Citation	CJL	CNJ	2J	Narrow	*		29,78	
Cessna 650 Citation	CJ6	CNJ	2J	Narrow	C650		19,40	
Cessna 680 Citation	CJ8	CNJ	2J	Narrow	*		32,10	
Cessna 700 Citation Longitude	CJ7	CNJ	2J	Narrow	C700		29,80	
Cessna 750 Citation X	CJX	CNJ	2J	Narrow	C750		34,65	
Cessna Citation Latitude	CJT	CNJ	2J	Narrow	ZZZZ		32,10	
Cessna Citation Sovereign+	CJS	CNJ	2J	Narrow	ZZZZ		31,47	
Cirrus SF50 Vision	SF5	SF5	1J		SF50		50,40	
Comac ARJ21-700	C27	C21	2J	Narrow	AJ27			Not in database
Comac C919 Passenger	C19	919	2J	Narrow	C919			Not in database
Convair 240 Freighter	CVV	CVF	2P		CVLP			Not in database
Convair 240 Passenger	CV2	CVR	2P	Narrow	CVLP			Not in database
Convair 340 / 440 Freighter	CVX	CVF	2P		CVLP			Not in database
Convair 440 Metropolitan Passenger	CV4	CVR	2P	Narrow	CVLP			Not in database
Convair 580 / 5800 / 600 / 640 Freighter	CVY	CVF	2T		CVLT			Not in database
Convair 580 Passenger	CV5	CVR	2T	Narrow	CVLT			Not in database
Curtiss C-46 Commando	CWC	CWC	2P	Narrow	C46			Military
Dassault Falcon 10 / 100	DF1	DFL	2J	Narrow	FA10		17,40	
Dassault Falcon 20 / 200	DF2	DFL	2J	Narrow	FA20		13,15	
Dassault Falcon 2000/2000DX	D20	DFL	2J	Narrow	F2TH		18,49	
Dassault Falcon 2000EX/EASY/LX	D2L	DFL	2J	Narrow	F2TH	D20	18,49	
Dassault Falcon 50 / 50EX	DF5	DFL	3J	Narrow	FA50		9,88	
Dassault Falcon 7X	DF7	DFL	3J	Narrow	FA7X		18,34	
Dassault Falcon 8X	DF8	DFL	3J	Narrow	FA8X			Not in database
Dassault Falcon 900/900B/900C/900DX/900EX/EASY	DF9	DFL	3J	Narrow	F900		18,32	
Dassault Falcon 900LX	D9L	DFL	3J	Narrow	F900	DF9	18,32	
De Havilland (B/E Aerospace) DHC-8-300 Dash 8 / 8Q Freighter	D3X	DHF	2T		DH8C	DH3	18,55	
De Havilland (Bombardier) DHC-2 Beaver	DHP	DHB	1P	Narrow	DHC2			Light aircraft
De Havilland (Bombardier) DHC-2 Turbo Beaver	DHR	DHB	1T	Narrow	DH2T			Light aircraft
De Havilland (Bombardier) DHC-3 Otter	DHS	DHO	1P	Narrow	DHC3			Light aircraft
De Havilland (Bombardier) DHC-3 Turbo Otter	DHL	DHO	1T	Narrow	DH3T			Light aircraft
De Havilland (Bombardier) DHC-4 Caribou	DHC	DHC	2P	Narrow	DHC4			Light aircraft
De Havilland (Bombardier) DHC-6 Twin Otter	DHT	DHT	2T	Narrow	DHC6			Light aircraft

De Havilland (Bombardier) DHC-7 Dash 7	DH7	DH7	4T	Narrow	DHC7			25,46	
De Havilland (Bombardier) DHC-8-100 Dash 8 / 8Q	DH1	DH8	2T	Narrow	DH8A			20,28	
De Havilland (Bombardier) DHC-8-200 Dash 8 / 8Q	DH2	DH8	2T	Narrow	DH8B			19,34	
De Havilland (Bombardier) DHC-8-300 Dash 8 / 8Q Passenger	DH3	DH8	2T	Narrow	DH8C			18,55	
De Havilland (Bombardier) DHC-8-400 Dash 8Q Freighter	D4X	DHF	2T		DH8D	DH4		24,41	
De Havilland (Bombardier) DHC-8-400 Dash 8Q Passenger	DH4	DH8	2T	Narrow	DH8D			24,41	
Diamond Aircraft DA42 Twin Star	D42	D42	2P	Narrow	DA42				Light aircraft
Diamond Aircraft DA62	D62	D62	2P	Narrow	DA62				Light aircraft
Eclipse 500	EA5	EAC	2J	Narrow	EA50			51,00	
Embraer 110 Bandeirante	EMB	EMB	2T	Narrow	E110				Not in database
Embraer 120 Brasilia	EM2	EM2	2T	Narrow	E120			22,46	
Embraer 170	E70	EMJ	2J	Narrow	E170			12,26	
Embraer 175	E75	EMJ	2J	Narrow	E170			12,15	
Embraer 175 (Enhanced Winglets)	E7W	EMJ	2J	Narrow	ZZZZ	E75		12,15	
Embraer 175 E2	275	EMJ	2J	Narrow	ZZZZ				New type, no data available yet
Embraer 190	E90	EMJ	2J	Narrow	E190			14,98	
Embraer 190 E2	290	EMJ	2J	Narrow	ZZZZ			30,27	
Embraer 195 and Legacy 1000	E95	EMJ	2J	Narrow	E190			13,92	
Embraer 195 E2	295	EMJ	2J	Narrow	E195			29,43	
Embraer EMB-500 Phenom 100	EP1	EPH	2J	Narrow	E50P			42,77	
Embraer EMB-505 Phenom 300	EP3	EPH	2J	Narrow	E55P			33,12	
Embraer Legacy 450	EM4	EML	2J	Narrow	E450			33,87	
Embraer Legacy 500	EM5	EML	2J	Narrow	E500			31,56	
Embraer Praetor 500	ET5	ETR	2J	Narrow	E545				Not in database
Embraer Praetor 600	ET6	ETR	2J	Narrow	E545				Not in database
Embraer RJ135 and Legacy 600/650	ER3	ERJ	2J	Narrow	E135			24,81	
Embraer RJ140	ERD	ERJ	2J	Narrow	E135			24,36	
Embraer RJ145	ER4	ERJ	2J	Narrow	E145			23,02	
Evektor EV-55 Outback	EV5	EV5	2T		EV55				Development suspended
Fairchild (Swearingen) SA226 Freighter	SWF	SWF	2T		*				Not in database
Fairchild (Swearingen) SA26 / SA226 / SA227 Merlin / Metro / Expediter Pass	SWM	SWM	2T	Narrow	*				Not in database
Fairchild Dornier 228	D28	D28	2T	Narrow	D228				Not in database
Fairchild Dornier 328-100	D38	D38	2T	Narrow	D328			21,48	
Fairchild Dornier 328JET	FRJ	FRJ	2J	Narrow	J328				Not in database
Fairchild Industries FH-227	FK7	FK7	2T	Narrow	F27				Not in database
Fokker 100	100	100	2J	Narrow	F100			16,33	
Fokker 50 Freighter	F5F	F5F	2T		F50	F50		18,37	
Fokker 50 Passenger	F50	F50	2T	Narrow	F50			18,37	
Fokker 70	F70	F70	2J	Narrow	F70			25,90	
Fokker F27 Friendship / Fairchild Industries F-27	F27	F27	2T	Narrow	F27			11,21	
Fokker F28 Fellowship 1000	F21	F28	2J	Narrow	F28			7,35	

Fokker F28 Fellowship 2000	F22	F28	2J	Narrow	F28		6,45	
Fokker F28 Fellowship 3000	F23	F28	2J	Narrow	F28		14,10	
Fokker F28 Fellowship 4000	F24	F28	2J	Narrow	F28		14,00	
Gippsland Aeronautics GA10	GA1	GA1	1T	Narrow	ZZZZ			Light aircraft
Gippsland Aeronautics GA8 Airvan	GA8	GA8	1P	Narrow	GA8			Light aircraft
Gippsland Aeronautics N22B / N24A Nomad	CD2	CD2	2T	Narrow	NOMA			Not in database
Grumman G-21 Goose (Amphibian)	GRG	GRG	2P	Narrow	G21			Amphibious aircraft
Grumman G-73 Turbo Mallard (Amphibian)	GRM	GRM	2T	Narrow	G73T			Amphibious aircraft
Gulfstream Aerospace G-100/G-150 (Astra SPX)	GR1	GRJ	2J	Narrow	G150		18,85	
Gulfstream Aerospace G-1159 Gulfstream II	GJ2	GRJ	2T	Narrow	GLF2		4,98	
Gulfstream Aerospace G-1159 Gulfstream IIB	G2B	GRJ	2T	Narrow	GLF2		4,78	
Gulfstream Aerospace G-1159 Gulfstream IISP	G2S	GRJ	2T	Narrow	GLF2	GJ2	4,98	
Gulfstream Aerospace G-1159A Gulfstream III	GJ3	GRJ	2T	Narrow	GLF3		4,78	
Gulfstream Aerospace G-200 (Galaxy)	GR2	GRJ	2J	Narrow	GALX		21,68	
Gulfstream Aerospace G-280	GR3	GRJ	2J	Narrow	G280		25,80	
Gulfstream Aerospace G500	GA5	GRJ	2J	Narrow	GA5C		27,30	
Gulfstream Aerospace G600	GA6	GRJ	2J	Narrow	GA6C			Not in database
Gulfstream Aerospace G650	GJ6	GRJ	2J	Narrow	GLF6		28,08	
Gulfstream Aerospace IV (G300/G350/G400/G450/IVSP)	GJ4	GRJ	2J	Narrow	GLF4		23,06	
Gulfstream Aerospace V (G550)	GJ5	GRJ	2J	Narrow	GLF5		22,72	
Harbin Yunshuji Y12	YN2	YN2	2T	Narrow	Y12			Not in database
Hawker 1000	H21	HBA	2J	Narrow	H25C		19,85	
Hawker 200	H20	HBA	2J	Narrow	PRM1		21,70	
Hawker 390 Premier 1/1A	PR1	HBA	2J	Narrow	PRM1		11,15	
Hawker 400 Beechjet/400A/400XP/400T	BE4	HBA	2J	Narrow	BE40		10,00	
Hawker 4000	H24	HBA	2J	Narrow	HA4T		23,35	
Hawker 750/800/800XP/800SP	H25	HBA	2J	Narrow	H25B		16,64	
Hawker 850XP/900	H28	HBA	2J	Narrow	H25B		21,30	
Hawker 900XP	H29	HBA	2J	Narrow	H25B		22,80	
Hawker Beechcraft (Light aircraft-single piston engine)	BEP	BEC	1P	Narrow	*			Light aircraft
Hawker Beechcraft (Light aircraft-twin piston engines)	BE2	BEC	2P	Narrow	*			Light aircraft
Hawker Beechcraft (Light aircraft-twin turboprop engines)	BET	BEC	2T	Narrow	*			Light aircraft
Hawker Beechcraft 1900 Freighter	BEF	BEF	2T		B190			Not in database
Hawker Beechcraft 1900C Airliner	BES	BE1	2T	Narrow	B190			Not in database
Hawker Beechcraft 1900D Airliner	BEH	BE1	2T	Narrow	B190			Not in database
Hawker Beechcraft C99 Airliner	BE9	BE9	2T	Narrow	BE99			Not in database
Helio H-250 Courier / H-295 / 395 Super Courier	HEC	HEC	1P	Narrow	COUR			Light aircraft
Honda HA-420 HondaJet	HHJ	HHJ	2J	Narrow	HDJT		34,63	
Ilyushin Il-114T Freighter	I4F	I4F	2T		I114			Not in database
Ilyushin Il-114 Passenger	I14	I14	2T	Narrow	I114			Not in database
Ilyushin Il-18	IL8	IL8	4T	Narrow	IL18		9,20	

Ilyushin Il-62	IL6	IL6	4J	Narrow	IL62			Not in database
Ilyushin Il-76	IL7	IL7	4J	Narrow	IL76		9,65	
Ilyushin Il-86	ILW	ILW	4J	Wide	IL86		4,27	
Ilyushin Il-96 Freighter	I9F	I9F	4J		IL96			Not in database
Ilyushin Il-96 Passenger	IL9	IL9	4J	Wide	IL96		8,54	
Indonesian Aerospace (IAe) N219	219	219	2T	Narrow	ZZZZ			Not in database
Israel Aerospace Industries 1124 Westwind	WWP	WWP	2J	Narrow	WW24			Not in database
Junkers Ju 52/3m	JU5	JU5	3P	Narrow	JU52			Not in database
Learjet 23 / 24 / 25	LJ2	LRJ	2J	Narrow	*			Not in database
Learjet 28 / 29 / 31 / 35 / 36	LJ3	LRJ	2J	Narrow	*		16,92	
Learjet 40 / 45	LJ4	LRJ	2J	Narrow	*		27,61	
Learjet 55 / 60	LJ6	LRJ	2J	Narrow	*		19,05	
Learjet 70 / 75	LJ7	LRJ	2J	Narrow	*		25,90	
Learjet 85	LJ8	LRJ	2J	Narrow	LJ85			Not in database
Light Jet Aircraft	LJA	LJA	2J	Narrow	ZZZZ			Not in database
Lockheed Martin L-1011 TriStar 1 / 50 / 100 / 150 / 200 / 250 Passenger	L11	L10	3J	Wide	L101		9,75	
Lockheed Martin L-1011 TriStar 500 Passenger	L15	L10	3J	Wide	L101		8,70	
Lockheed Martin L-1011 TriStar Freighter	L1F	L1F	3J		L101	L15	8,70	
Lockheed Martin L-182 / L-282 / L-382 (L-100) Hercules	LOH	LOH	4T	Narrow	C130		4,30	
Lockheed Martin L-188 Electra Freighter	LOF	LOF	4T		L188	LOE		Removed from database
Lockheed Martin L-188 Electra Passenger	LOE	LOE	4T	Narrow	L188			Removed from database
MD Helicopters Inc MD 900 Explorer	MD9	MD9	H		EXPL			Helicopter
Mil Mi-8 / Mi-17 / Mi-171 / Mi-172	MIH	MIH	H		MI8			Helicopter
Mitsubishi Aircraft Corporation MU-2	MU2	MU2	2T	Narrow	MU2			Not in database
NAMC YS-11	YS1	YS1	2T	Narrow	YS11			Not in database
Piaggio Aero P180 Avanti II	P18	P18	2T	Narrow	P180			Not in database
Pilatus PC-12	PL2	PL2	1T	Narrow	PC12			Not in database
Pilatus PC-24	PL4	PL4	2J	Narrow	PC24		20,87	
Pilatus PC-6 Turbo Porter	PL6	PL6	1T	Narrow	PC6T			Not in database
Piper (Light aircraft-single piston engine)	PA1	PAG	1P	Narrow	*			Light aircraft
Piper (Light aircraft-twin piston engines)	PA2	PAG	2P	Narrow	*			Light aircraft
Piper (Light aircraft-twin turboprop engines)	PAT	PAG	2T	Narrow	*			Light aircraft
Saab 2000	S20	S20	2T	Narrow	SB20		27,35	
Saab 340 Freighter	SFF	SFF	2T		SF34	SFA	25,16	
Saab 340 Passenger	SFA	SF3	2T	Narrow	SF34		25,16	
Saab 340B Passenger	SFB	SF3	2T	Narrow	SF34		24,70	
Shaanxi Y-8	SY8	SY8	4T	Narrow	AN12			Not in database
Shorts 330 (SD3-30)	SH3	SH3	2T	Narrow	SH33			Not in database
Shorts 360 (SD3-60)	SH6	SH6	2T	Narrow	SH36			Not in database
Shorts Skyvan (SC-7)	SHS	SHS	2T	Narrow	SC7			Not in database
Sikorsky S-58T	S58	S58	H		S58T			Helicopter

Sikorsky S-61	S61	S61	H		S61			Helicopter
Sikorsky S-76	S76	S76	H		S76			Helicopter
SOCATA TBM-700	TBM	TBM	1T	Narrow	TBM7			Not in database
Sukhoi Superjet 100-75	SU7	SU1	2J	Narrow	ZZZZ			Not in database
Sukhoi Superjet 100-95	SU9	SU1	2J	Narrow	SU95		14,95	
Sukhoi Superjet 100-95 (Saberlets)	S9S	SU1	2J	Narrow	ZZZZ	SU9	14,95	
Surface Equipment-Bus	BUS	BUS	S			0		Not in database
Surface Equipment-Hovercraft	HOV	HOV	S			0		Not in database
Surface Equipment-Launch / Boat	LCH	LCH	S			0		Not in database
Surface Equipment-Limousine	LMO	LMO	S			0		Not in database
Surface Equipment-Road Feeder Service (Truck)	RFS	RFS	S			0		Not in database
Surface Equipment-Train High Speed Train (Service with operating speed grea	TRS	TRN	S			0		Not in database
Surface Equipment-Train Standard Service	TRN	TRN	S			0		Not in database
Tecnam P2012 Traveller	T12	TPT	2P	Narrow	P212			Not in database
Tupolev Tu-134	TU3	TU3	2J	Narrow	T134		11,00	
Tupolev Tu-154	TU5	TU5	3J	Narrow	T154		2,10	
Tupolev Tu-204 / Tu-214 Passenger	T20	T20	2J	Narrow	T204		12,50	
Tupolev Tu-204 Freighter	T2F	T2F	2J		T204	T20	12,50	
Tupolev Tu-334	T34	T34	2J	Narrow	T334		9,50	
Twin (Aero) Turbo Commander / Jetprop Commander	ACT	ACD	2T	Narrow	*			Not in database
Twin Commander Aircraft	ACP	ACD	2P	Narrow	*			Not in database
Vulcanair (Partenavia) P.68	PN6	PN6	2P	Narrow	P68			Not in database
Xian Yunshuji MA-60/MA600 Passenger	MA6	MA6	2T	Narrow	AN24			Not in database
Xian Yunshuji MA600 Freighter	M6F	M6F	2T		AN24			Not in database
Xian Yunshuji Y7	YN7	YN7	2T	Narrow	AN24			Not in database
Yakovlev MC-21-300 Passenger	YM3	YMC	2J	Narrow	ZZZZ			Not in database
Yakovlev Yak-40	YK4	YK4	3J	Narrow	YK40		4,50	
Yakovlev Yak-42 / Yak-142	YK2	YK2	3J	Narrow	YK42		8,70	