

EUROPEAN ORGANISATION
FOR THE SAFETY OF AIR NAVIGATION



EUROCONTROL EXPERIMENTAL CENTRE

**COVERAGE OF 2008-09 EUROPEAN AIR TRAFFIC
FOR THE BASE OF AIRCRAFT DATA (BADA)
(BADA) - REVISION 3.7**

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Abstract : <p>The air traffic statistics obtained from the CFMU for the ECAC airspace are used to determine the coverage of European air traffic by the Base of Aircraft Data (BADA). BADA consists of a set of aircraft models used at the EUROCONTROL and other organisations, such as ANSP's, research organisations, governmental regulatory transport agencies & state universities. The uses of BADA vary from aircraft trajectory simulation in Air Traffic Management (ATM) research & development to the modelling and strategic planning of traffic flows in ground based ATM operations. For the statistics provided in this report, a 12 month period of traffic data has been used (June '08 – May '09). The results show that the aircraft types within BADA 3.7 cover 86.82% of the European air traffic for the whole period compared to the annual target of 90%. The addition of 5 more original aircraft types would bring the coverage to the target 90%. The synonym aircraft occupy a further 11.35% share of the total traffic.</p>						

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LIST OF ABBREVIATIONS

ATM	Air Traffic Management
BADA	Base of Aircraft Data
CFMU	Central Flow Management Unit
CND	Cooperative Network Design
EEC	EUROCONTROL Experimental Centre
ICAO	International Civil Aviation Organisation
RD	Reference Document
VIF	Validation Infrastructure

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1. INTRODUCTION

1.1. IDENTIFICATION AND SCOPE

This document reviews the air traffic statistics for 2008-2009 from the EUROCONTROL Centre Flow Management Unit (CFMU) in order to determine the coverage of European air traffic provided by BADA (Base of Aircraft Data) Revision 3.7 [RD1].

BADA 3.7 is a collection of ASCII files, which specifies aircraft performance and operating procedure parameters for 103 different aircraft types (direct models*). From these models a further 191 other aircraft types can be supported as being equivalent. They are referred to in this note as synonym types.

The BADA information is designed for use in trajectory simulation and prediction algorithms within the domain of Air Traffic Management (ATM). All files are maintained within a configuration management system at EUROCONTROL Validation Infrastructure Centre of Expertise (VIF) located at the EUROCONTROL Experimental Centre at Brétigny-sur-Orge, France.

*Note: in this note only 100 BADA aircraft models will be referred to. The 3 generic fighter models FGTH, FGTH, and FGTL do not hold an official ICAO code and do therefore not appear amongst the CFMU traffic data. They will however be referenced to when covering the BADA 3.7 synonym aircraft.

1.2. ORGANISATION

This document is presented in three sections including Section 1, the Introduction. This first section includes a list of referenced documents and a glossary of acronyms.

A discussion of the coverage statistics is presented in Section 2 with conclusions summarised in Section 3.

Appendix A provides the 2008-09 CFMU Traffic data.

Appendix B provides the coverage figures for BADA 3.7.

1.3. REFERENCED DOCUMENTS

- RD1** User Manual for the Base of Aircraft Data (BADA) Revision 3.7; EEC Note 003/2009.
- RD2** EEC Note No.13/04. Coverage of 2004 European Traffic for the Base of Aircraft Data (BADA), Revision 3.6. September 2004.
- RD3** Aircraft Type Desigators; ICAO Document No. 8643 - Edition 37, 2009.

2. CFMU TRAFFIC STATISTICS

The CFMU air traffic is used as a representative sample to identify the current traffic mix of aircraft types. The choice of BADA aircraft models are targeted to reflect this traffic make up. When a corresponding BADA model is not available, a synonym equivalent can be proposed.

For each BADA release, a sample traffic provided by the CFMU is used to provide a statistical comparative coverage of the BADA current models. For this coverage report, a 12 month period of traffic data has been used (June 2008 – May 2009). The CFMU registered traffic figures list all aircraft types that flew through ECAC airspace. Aircraft are listed in descending order (rank) based on the number of total flights per aircraft type. For each aircraft type the following information is provided:

- Aircraft type identifier*.
- Total number of flights.
- Reference to BADA or Synonym type model.
- Percentage of flights.
- Cumulative percentage of flights.

(* all aircraft types refer to ICAO aircraft designators in force at the time of publication [R3]).

The following table provides a summary of information for the 2008-2009 statistics.

Table 2-1: Traffic Sample Summary Information

	Sample traffic 12 months (June 2008 – May 2009)
Total number of flights	9849291
Total number of aircraft types	642
Number of aircraft types for 90% coverage	73
Number of aircraft types for 99% coverage	188
Number of aircraft types for 99.9% coverage	397

2.1. COMPARISON WITH BADA

Appendix A provides a list of the aircraft types modelled by BADA 3.7 [RD1]. In this list the aircraft types are ordered alphabetically by the ICAO code. For each of the aircraft types, the percentage of air traffic and ranking as specified by the CFMU statistics, are provided.

1. The BADA 3.7 model types provide **86.82%** coverage. The figure is up by **5.56%** when compared to the previous coverage report of BADA 3.6 in 2003 (81.26%) [RD2]. The 100 aircraft types modeled by BADA are not the most important types in the CFMU traffic sample. That is according to the CFMU data, the top 100 aircraft types provide **94.04%** coverage. 1 aircraft model (DC94) did not appear in the traffic sample.
2. One factor influencing the increase of the 2008-2009 coverage is likely due to the addition of 12 more BADA aircraft models. They alone account for a **7.60%** share of the total traffic figures. In particular, the new CRJ2 providing **2.40%**.

Table 2-2: ADA 3.7 main aircraft additions

BADA 3.7			
New Aircraft Models		New Synonym Models	
A346	0.353%	B77L	0.028%
A388	0.029%	B77W	0.362%
BE58	0.135%	H25B	0.416%
C510	0.066%	SW3	0.035%
CRJ2	2.366%		
CRJ9	0.995%		
DA42	0.236%		
DH8D	1.693%		
E135	0.415%		
E170	0.638%		
E190	0.656%		
EA50	0.013%		

3. BADA 3.7 contains 191 synonym aircraft types which represent **11.35%** of the total traffic sample. This synonym share of the traffic is down when compared to the 17.88% share in the previous coverage report in 2004 for BADA 3.6 in 2003 [RD2]. This is due to the fact that there are less synonyms in BADA 3.7 than in BADA 3.6. For the BADA 3.7 revision, 4 synonym types were removed and remodelled as direct models (**BE58, SW4, CRJ2 & A346**) and 7 synonym types were withdrawn (**AC80, BER4, C526, CONC, D28D, J728, & R135**), due to a poor coverage representation in 2003 [RD2].

In this coverage report, 12 synonym aircraft were not found among the traffic sample which contains 641 aircraft types. The missing synonyms are B720, B74D, C141, F104, F117, JAGR, JS1, K35E, MG23, MG25, MIR4, and SB35.

4. The generic helicopter synonym (HELI) is considered as an equivalent for all helicopter aircraft types. In this traffic sample it can be considered to represent 51 helicopter types (1.06%).

There are several aircraft types with a significant proportion of the CFMU air traffic, which are not modelled by BADA 3.7 (see Table 2-3). Taking into account this sample traffic, the addition of 5 new models (providing 3.19% coverage) would have have been necessary to reach the target 90% coverage.

Table 2-3: Aircraft not modelled in BADA 3.7 with high traffic share

No.	Rank Number	Aircraft Code	Name in Full	% Traffic
1	21	RJ1H	RJ-100 AVROLINER	1.135%
2	32	CRJ7	RJ-700 REGIONAL JET	0.715%
3	37	C56X	CESSNA 560XL	0.499%
4	39	B463	BAE-146-300	0.420%
5	41	A318	AIRBUS A-318	0.417%
			TOTAL	3.19%

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3. CONCLUSIONS

BADA 3.7 currently covers 98.17% of the European air traffic as specified by the EUROCONTROL CFMU. The 100 original BADA aircraft models account for 86.82%, while 191 synonym aircraft account for 11.35% of the traffic data. The remaining 1.83 % is made of 314 different aircraft types.

This model coverage is up by 5.56% when compared to the the coverage of BADA 3.6 in 2003. The addition of 12 new aircraft models are most likely to have contributed to this increase.

The addition of 5 more aircraft types would have been necessary to reach the BADA target coverage of 90% (Table 2-3). All of these 5 aircraft figure as BADA 3.7 synonym aircraft.

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ANNEX A - 2008-09 CFMU TRAFFIC DATA

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2008-09 CFMU Traffic data listed by order of % importance. All BADA 3.6 aircraft appear in green.

RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
1	A320	AIRBUS A-320	A320		1120125	11.373%	11.373%
2	B738	BOEING 737-800	B738		940373	9.548%	20.920%
3	A319	AIRBUS A-319	A319		844769	8.577%	29.497%
4	B733	BOEING 737-300	B733		389842	3.958%	33.455%
5	A321	AIRBUS A-321	A321		386401	3.923%	37.378%
6	AT72	ATR-72	AT72		270402	2.745%	40.124%
7	B737	BOEING 737-700	B737		253764	2.576%	42.700%
8	B734	BOEING 737-400	B734		240752	2.444%	45.145%
9	CRJ2	RJ-200 REGIONAL JET	CRJ2		233080	2.366%	47.511%
10	B735	BOEING 737-500	B735		232974	2.365%	49.877%
11	MD82	BOEING MD-82	MD82		190835	1.938%	51.814%
12	B752	BOEING 757-200	B752		190499	1.934%	53.748%
13	DH8D	DHC-8-400 DASH 8	DH8D		166762	1.693%	55.441%
14	E145	EMBRAER EMB-145	E145		161242	1.637%	57.078%
15	B744	747-400,INTL.WINGLET	B744		154705	1.571%	58.649%
16	B763	BOEING 767-300	B763		145344	1.476%	60.125%
17	F100	FOKKER 100	F100		135860	1.379%	61.504%
18	B772	BOEING 777-200	B772		119083	1.209%	62.713%
19	A332	AIRBUS A-330-200	A332		116614	1.184%	63.897%
20	RJ85	RJ-85 AVROLINER	RJ85		114052	1.158%	65.055%
21	RJ1H	RJ-100 AVROLINER		RJ85	111765	1.135%	66.190%
22	DH8C	DHC-8-300 DASH 8	DH8C		107726	1.094%	67.284%
23	F50	FOKKER 50/MARITIME E	F50		100140	1.017%	68.300%
24	CRJ9	CRJ-900 REGIONAL JET	CRJ9		97986	0.995%	69.295%
25	AT45	ATR-42-500	AT45		93186	0.946%	70.241%
26	DH8A	DHC-8-100 DASH 8	DH8A		83450	0.847%	71.089%
27	A343	AIRBUS A-340-300	A343		82067	0.833%	71.922%
28	B736	BOEING 737-600	B736		79798	0.810%	72.732%
29	SF34	SF 340	SF34		79451	0.807%	73.539%
30	AT43	ATR-42-200/300/320	AT43		73494	0.746%	74.285%
31	F70	FOKKER 70	F70		72519	0.736%	75.021%
32	CRJ7	RJ-700 REGIONAL JET		CRJ9	70392	0.715%	75.736%
33	E190	EMBRAER ERJ-190	E190		64582	0.656%	76.392%
34	E170	EMBRAER170	E170		62822	0.638%	77.029%
35	BE20	SUPER KING AIR 200	BE20		60533	0.615%	77.644%
36	SB20	SAAB 2000	SB20		52897	0.537%	78.181%
37	C56X	CESSNA 560XL		C560	49194	0.499%	78.681%
38	A333	AIRBUS A-330-300	A333		48026	0.488%	79.168%
39	B463	BAE-146-300		B462	41345	0.420%	79.588%
40	D328	D328	D328		41228	0.419%	80.007%
41	A318	AIRBUS A-318		A319	41086	0.417%	80.424%
42	H25B	HAWKER SIDDELEY HS-1		H25A	41007	0.416%	80.840%
43	MD83	BOEING MD-83	MD83		40943	0.416%	81.256%
44	E135	EMBRAER ERJ-135	E135		40897	0.415%	81.671%
45	MD11	MD-11	MD11		39812	0.404%	82.075%
46	ATP	BRITISH AEROSPACE AT	ATP		39343	0.399%	82.475%
47	B462	BAE-146-200	B462		38324	0.389%	82.864%
48	B77W	BOEING 777-300ER		B744	35622	0.362%	83.225%
49	A346	AIRBUS A-340-600	A346		34814	0.353%	83.579%
50	C525	CITATIONJET 525		C550	34233	0.348%	83.926%
51	C550	CITATION II-S2	C550		32270	0.328%	84.254%
52	MD87	BOEING MD-87		MD82	31889	0.324%	84.578%
53	B190	BEECH 1900 (C-12J)		JS32	31753	0.322%	84.900%

RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
54	F900	DASSAULT-BREGUET FAL	F900		31304	0.318%	85.218%
55	A310	AIRBUS A-310 (CC-150	A310		30401	0.309%	85.527%
56	A306	AIRBUS A-300B4-600	A306		30271	0.307%	85.834%
57	F2TH	DASSAULT FALCON 2000		F900	29726	0.302%	86.136%
58	JS32	BAE-3200 SUPER 32	JS32		29552	0.300%	86.436%
59	PA34	SENECA III PA34-220T	PA34		29470	0.299%	86.735%
60	S92	SYKORSKY S-92 HELIBU		HELI	29345	0.298%	87.033%
61	CL60	CHALLENGER CL600/601	CL60		28672	0.291%	87.324%
62	B762	BOEING 767-200	B762		28387	0.288%	87.612%
63	T154	TUPOLEV TU-154	T154		26699	0.271%	87.883%
64	JS41	BAE-4100 JETSTREAM41	JS41		25479	0.259%	88.142%
65	C25A	CESSNA 525A CITATION			25445	0.258%	88.401%
66	CRJ1	RJ-100 REGIONAL JET	CRJ1		23922	0.243%	88.643%
67	A30B	AIRBUS A-300B2/4	A30B		23614	0.240%	88.883%
68	DA42	DAIMOND DA-42	DA42		23232	0.236%	89.119%
69	SW4	EXPEDITER,MERLIN,...	SW4		23094	0.234%	89.353%
70	C130	HERCULES	C130		21180	0.215%	89.569%
71	GLF5	GULFSTREAM 5		CRJ9	19045	0.193%	89.762%
72	B753	BOEING 757-300	B753		17711	0.180%	89.942%
73	TRIS	BRITTEN-NORMAN BN-2A			17368	0.176%	90.118%
74	B742	BOEING 747-200	B742		17231	0.175%	90.293%
75	GLF4	GULFSTREAM 4		CRJ9	17051	0.173%	90.466%
76	TRIN	SOCATA TB-20/21 TRIN	TRIN		16984	0.172%	90.639%
77	C17	MCDONNELL DOUGLAS C-		B764	16699	0.170%	90.808%
78	PC12	PILATUS PC-12		BE9L	16380	0.166%	90.974%
79	L410	LET L-410/420 TURBOL		D228	15960	0.162%	91.136%
80	BE40	BEECHJET 400		C560	15175	0.154%	91.291%
81	P180	P 180 AVANTI		C550	14800	0.150%	91.441%
82	BE9L	BEECH 90/A90 TO E90	BE9L		14563	0.148%	91.589%
83	P28A	PA28-140/161/180/181	P28A		14348	0.146%	91.734%
84	C560	CITATION V	C560		14295	0.145%	91.879%
85	AS3B	AEROSPATIALE AS-532A2 COUGAR MK2		HELI	14271	0.145%	92.024%
86	B773	BOEING 777-300	B773		14122	0.143%	92.168%
87	C172	SKYHAWK 172		P28A	13914	0.141%	92.309%
88	TBM7	TBM 700		PAY3	13835	0.140%	92.449%
89	AN26	AN-26 / AN26B		AT72	13611	0.138%	92.588%
90	LJ60	LEARJET 60		LJ45	13544	0.138%	92.725%
91	PA31	PIPER CHIEFTAIN,...	PA31		13291	0.135%	92.860%
92	BE58	BARON 58	BE58		13259	0.135%	92.995%
93	E120	BRASILIA EMB-120/HH/	E120		13234	0.134%	93.129%
94	AS32	AEROSPATIALE AS-332/		HELI	13171	0.134%	93.263%
95	C25B	525B CITATION CJ3			13147	0.133%	93.396%
96	A139	AGUSTA AB-139		HELI	12943	0.131%	93.528%
97	FA50	DASSAULT-BREGUET FAL	FA50		12835	0.130%	93.658%
98	EC55	EUROCOPTER EC-155		HELI	12554	0.127%	93.785%
99	J328	DORNIER 328 JET ENVOY		E135	12463	0.127%	93.912%
100	LJ45	LEARJET 45	LJ45		12383	0.126%	94.038%
101	B712	BOEING 717-200	B712		12098	0.123%	94.161%
102	MD90	MCDONNELL DOUGLAS MD		MD83	11952	0.121%	94.282%
103	C208	CARAVAN I		PA27	11948	0.121%	94.403%
104	LJ35	GATES LEARJET 35/36	LJ35		11515	0.117%	94.520%
105	MD88	BOEING MD-88		MD82	10995	0.112%	94.632%
106	GLEX	CANADAIR BL-701 GLOB		CRJ9	10955	0.111%	94.743%
107	B764	BOEING 767-400	B764		10274	0.104%	94.847%
108	YK42	YAK-42		DC94	10182	0.103%	94.951%

BADA Coverage of European Air Traffic

RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
109	B350	BEECH B300 SUPER KIN		PAY3	10095	0.102%	95.053%
110	CN35	CN-235/CN235		AT43	9956	0.101%	95.154%
111	B739	737-900 BBJ3		B738	9713	0.099%	95.253%
112	PRM1	RAYTHEON PREMIER 1			9648	0.098%	95.351%
113	C160	TRANSALL C-160	C160		9573	0.097%	95.448%
114	D228	DORNIER 228-100/200	D228		9520	0.097%	95.545%
115	PAY3	PA-42 720 CHEYENNE 3	PAY3		9455	0.096%	95.641%
116	CL30	BD-100 CHALLENGER300			9368	0.095%	95.736%
117	SR22	CIRRUS SR-22			9090	0.092%	95.828%
118	JS31	BAE-3100 JETSTREAM31		JS32	9049	0.092%	95.920%
119	C680	CESSNA 680 CITATION			8933	0.091%	96.011%
120	P28R	PIPER PA-28R-180/200		DA42	8139	0.083%	96.093%
121	PA44	SEMINOLE		TRIN	8051	0.082%	96.175%
122	P46T	JETPROP DLX			7911	0.080%	96.255%
123	IL86	IL-86		B763	7734	0.079%	96.334%
124	DC10	DC-10 ALL SERIES	DC10		7581	0.077%	96.411%
125	DA40	DIAMOND DA-40 KATANA			7019	0.071%	96.482%
126	C510	CESSNA 510 CITATION MUSTANG	C510		6509	0.066%	96.548%
127	S76	SIKORSKY S-76/H-76/A		HELI	6412	0.065%	96.613%
128	F27	CONAIR F-27 FIREFIGH	F27		6229	0.063%	96.677%
129	LJ40	LEARJET 40			6182	0.063%	96.739%
130	F16	FIGHTING FALCON		FGTN	6097	0.062%	96.801%
131	AN24	AN-24		F27	6033	0.061%	96.862%
132	C650	CITATION III		H25A	5967	0.061%	96.923%
133	P28T	PIPER PA-28RT ARROW		DA42	5881	0.060%	96.983%
134	PA46	MALIBU			5801	0.059%	97.042%
135	E121	XINGU EMB-121 /A /A1			5799	0.059%	97.101%
136	YK40	YAK-40		AT43	5597	0.057%	97.157%
137	IL76	IL-76/IL-76M/MD/T/TD		B764	5455	0.055%	97.213%
138	AN12	AN-12 / AN-12BP		C130	5347	0.054%	97.267%
139	GALX	IAI GALAXY		C750	5273	0.054%	97.321%
140	BE76	DUCHESS 76		DA42	5252	0.053%	97.374%
141	FA10	DASSAULT FALCON 10/M	FA10		5219	0.053%	97.427%
142	T204	TUPOLEV TU-204		T154	5061	0.051%	97.478%
143	FA20	DASSAULT FALCON 20/M	FA20		5011	0.051%	97.529%
144	B732	BOEING 737-200	B732		4911	0.050%	97.579%
145	K35R	BOEING KC-135R/T		B703	4789	0.049%	97.628%
146	A342	AIRBUS A-340-200		A343	4684	0.048%	97.675%
147	C182	SKYLANE 182/RG		TRIN	4655	0.047%	97.722%
148	C27J	ALENIA C-27J SPARTAN			4650	0.047%	97.770%
149	MD81	BOEING MD-81		MD82	4632	0.047%	97.817%
150	C750	CESSNA 750 CITATION	C750		4374	0.044%	97.861%
151	C295	CASA C-295			4219	0.043%	97.904%
152	M20P	M-20 NON TURBOCHARGE		TRIN	3757	0.038%	97.942%
153	C5	LOCKHEED C-5 GALAXY		A346	3690	0.037%	97.980%
154	B743	BOEING 747-300	B743		3655	0.037%	98.017%
155	SH36	SHORTS 360	SH36		3564	0.036%	98.053%
156	PAY2	PA-31-T CHEYENNE 2	PAY2		3533	0.036%	98.089%
157	SW3	MERLIN IVC		PAY3	3441	0.035%	98.124%
158	A345	AIRBUS A-340-500		A346	3428	0.035%	98.158%
159	C500	CITATION I		C550	3388	0.034%	98.193%
160	DHC6	DE HAVILLAND CANADA			3363	0.034%	98.227%
161	RJ70	RJ-70 AVROLINER		RJ85	3288	0.033%	98.260%
162	BE30	SUPER KING AIR 300		PAY3	3283	0.033%	98.294%

RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
163	A124	ANTONOV AN-124 RUSLA		A346	3166	0.032%	98.326%
164	C501	CITATION 1SP		C550	3154	0.032%	98.358%
165	C551	CITATION 2SP		C550	3024	0.031%	98.389%
166	GL5T	BD-700 GLOBAL 5000			2977	0.030%	98.419%
167	T134	TUPOLEV TU-134	T134		2943	0.030%	98.449%
168	C30J	C-130J		C130	2897	0.029%	98.478%
169	A388	AIRBUS A-380-800	A388		2817	0.029%	98.507%
170	A3ST	AIRBUS A-300ST SUPER		A321	2808	0.029%	98.535%
171	B77L	BOEING 777-200LR		B744	2787	0.028%	98.564%
172	C340	CESSNA 340		PA31	2705	0.027%	98.591%
173	F18	HORNET		FGTN	2699	0.027%	98.618%
174	M20T	M-20 TURBOCHARGED		TRIN	2545	0.026%	98.644%
175	BE36	BONANZA 36		DA42	2541	0.026%	98.670%
176	LJ31	GATES LEARJET 31		LJ45	2519	0.026%	98.696%
177	SR20	CIRRUS SR-20			2435	0.025%	98.720%
178	C210	CENTURION/II		TRIN	2432	0.025%	98.745%
179	ZZZZ	AIRCRAFT TYPES NOT (			2314	0.023%	98.769%
180	B461	BAE-146-100		B462	2215	0.022%	98.791%
181	FA7X	DASSAULT FALCON 7X			2205	0.022%	98.813%
182	F4	PHANTOM II/F4EJ/MDC		FGTN	2194	0.022%	98.836%
183	BE33	BONANZA 33		TRIN	2162	0.022%	98.858%
184	L188	ELECTRA		C160	2119	0.022%	98.879%
185	PA32	PIPER CHEROKEE,...		TRIN	2028	0.021%	98.900%
186	C421	GOLDEN EAGLE 421	C421		2005	0.020%	98.920%
187	TOBA	SOCATA TB-10/200 TOB		TRIN	2002	0.020%	98.940%
188	B412	AUGUSTA B-412		HELI	1922	0.020%	98.960%
189	G150	IAI GULFSTREAM 150			1804	0.018%	98.978%
190	F406	REIMS F406 CARAVAN 2			1775	0.018%	98.996%
191	LJ55	GATES LEARJET 55		LJ45	1759	0.018%	99.014%
192	BE55	BARON 55 COCHISE		BE58	1737	0.018%	99.032%
193	GLF3	GULFSTREAM 3		CRJ2	1669	0.017%	99.049%
194	AS55	AEROSPATIALE AS-355		HELI	1662	0.017%	99.066%
195	PA30	TWIN COMANCHE			1576	0.016%	99.082%
196	EC25	EUROCOPTER EC225/725		HELI	1538	0.016%	99.097%
197	C425	CORSAIR/CONQUEST		PAY2	1533	0.016%	99.113%
198	P68	PARTENAVIA P-68/VICT		PA27	1530	0.016%	99.128%
199	PUMA	SUD SA-330 PUMA		HELI	1475	0.015%	99.143%
200	L101	TRI-STAR, ALL SERIES	L101		1416	0.014%	99.158%
201	P3	ORION		C130	1398	0.014%	99.172%
202	AN28	AN-28			1380	0.014%	99.186%
203	B703	BOEING 707-300	B703		1373	0.014%	99.200%
204	S601	SN 601 CORVETTE		C550	1370	0.014%	99.214%
205	C310	CESSNA 310/T310		PA34	1357	0.014%	99.227%
206	AS65	AEROSPATIALE SA-365		HELI	1350	0.014%	99.241%
207	EA50	ECLIPSE 500	EA50		1274	0.013%	99.254%
208	TBM8	TBM8			1238	0.013%	99.267%
209	C414	CHANCELLOR 414		PA31	1237	0.013%	99.279%
210	EC35	EUROCOPTER EC-135		HELI	1222	0.012%	99.292%
211	BE10	KING AIR 100 A		D228	1163	0.012%	99.303%
212	PAY4	PA-42 CHEYENNE 400		C510	1144	0.012%	99.315%
213	C72R	CESSNA 172RG CUTLASS		TRIN	1138	0.012%	99.327%
214	A140	ANTONOV AN-140			1106	0.011%	99.338%
215	C212	CASA C-212 AVIOCAR (		D228	1092	0.011%	99.349%
216	DC93	DOUGLAS DC-9-30		DC94	1088	0.011%	99.360%
217	G120	GROB G-120			1078	0.011%	99.371%
218	BE9T	BEECH F90 KING AIR			1064	0.011%	99.382%

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RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
219	C303	CRUSADER 303		PA31	1061	0.011%	99.393%
220	IL96	IL-96		A343	1026	0.010%	99.403%
221	DC95	DOUGLAS DC-9-50		DC94	1013	0.010%	99.413%
222	ATLA	ATLANTIC 1150		E120	1013	0.010%	99.423%
223	ASTR	IAI 1125 ASTRA		FA10	999	0.010%	99.434%
224	TB30	EPSILON TB-30			983	0.010%	99.444%
225	B06	BELL 206A/B/L/406/TH		HELI	969	0.010%	99.453%
226	EC45	EUROCOPTER EC-145		HELI	966	0.010%	99.463%
227	H25C	BRITISH AEROSPACE BA		FA20	951	0.010%	99.473%
228	SW2	MERLIN IIA/B		SW4	943	0.010%	99.482%
229	DC86	DC-8-60		DC87	907	0.009%	99.492%
230	P210	CESSNA P210 PRESSURI			901	0.009%	99.501%
231	C101	CASA C-101 AVIOJET (			900	0.009%	99.510%
232	MU2	MU-2	MU2		891	0.009%	99.519%
233	C10T	ADVANCED AIRCRAFT SP			890	0.009%	99.528%
234	VC10	VC10-1100		B762	883	0.009%	99.537%
235	BN2P	BRITTEN-NORMAN BN-2/		PA34	863	0.009%	99.546%
236	MIR2	MIRAGE 2000		FGTN	860	0.009%	99.555%
237	C441	CONQUEST II-441		PAY3	840	0.009%	99.563%
238	IL62	IL-62/IL-62M/MK		A30B	809	0.008%	99.571%
239	CL2T	CANADIAN CL215T			787	0.008%	99.579%
240	BN2T	BN-2T TURBINE ISLAND			778	0.008%	99.587%
241	BE60	DUKE 60		PA31	776	0.008%	99.595%
242	S61	HELIPRO S-61 SHORTSK		HELI	776	0.008%	99.603%
243	C337	SUPER SKYMASTER 337		PA27	771	0.008%	99.611%
244	BE35	BONANZA 35			761	0.008%	99.618%
245	TOR	PANAVIA TORNADO		FGTN	754	0.008%	99.626%
246	E3TF	BOEING E-3A (TF33)		B762	735	0.007%	99.634%
247	AC90	JETPROP COMMANDER		PAY3	733	0.007%	99.641%
248	F260	SIAI-MARCHETTI SF-26			732	0.007%	99.648%
249	COL4	LANCIAR COLUMBIA 400			693	0.007%	99.655%
250	A109	A109 /109A /109A II		HELI	686	0.007%	99.662%
251	PA27	PIPER PA-23-235/250	PA27		667	0.007%	99.669%
252	AJET	ALPHAJET		FGTN	655	0.007%	99.676%
253	BE95	TRAVELAIR 95		TRIN	650	0.007%	99.682%
254	PAY1	PA-31-T CHEYENNE 1		PAY2	646	0.007%	99.689%
255	AEST	TED SMITH AEROSTAR		MU2	643	0.007%	99.696%
256	T6	TEXAN			629	0.006%	99.702%
257	B74S	747 SP		B742	582	0.006%	99.708%
258	C206	STATIONER 6			565	0.006%	99.714%
259	B741	BOEING 747-100		B743	562	0.006%	99.719%
260	AC11	COMMANDER 112/114			557	0.006%	99.725%
261	C82R	CESSNA R182/TR182 (T		TRIN	556	0.006%	99.731%
262	C404	TITAN 404			543	0.006%	99.736%
263	PC6T	PILATUS PC-6A/B/C			529	0.005%	99.741%
264	AN30	AN-30			519	0.005%	99.747%
265	DC87	DC-8-70	DC87		512	0.005%	99.752%
266	P66T	PIAGGIO P-166DL3			510	0.005%	99.757%
267	H60	S-70		HELI	501	0.005%	99.762%
268	C402	CESSNA 402		PA34	489	0.005%	99.767%
269	PA23	APACHE		PA27	474	0.005%	99.772%
270	GLF2	G-1159 GULFSTREAM1/2		CRJ2	462	0.005%	99.777%
271	P32R	PIPER PA-32R CHEROKE		TRIN	452	0.005%	99.781%
272	PC7	PILATUS PC-7 TURBO			443	0.004%	99.786%
273	G222	FIAT G-222		ATP	420	0.004%	99.790%
274	B721	BOEING 727-100		B752	411	0.004%	99.794%

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275	RF6	FOURNIER RF-6			407	0.004%	99.798%
276	M339	AERMACCHI MB-339			404	0.004%	99.802%
277	EUF1	EUROFIGHTER EUROFIGH		FGTN	398	0.004%	99.806%
278	MU30	MU-300		C560	387	0.004%	99.810%
279	GA7	COUGAR GA-7			386	0.004%	99.814%
280	AN72	AN-72		F28	382	0.004%	99.818%
281	Z43	ZLIN Z-43/143			375	0.004%	99.822%
282	SBR1	NORTH AMERICAN NA-26		FA10	368	0.004%	99.826%
283	E3CF	BOEING E-3A (CFM56)		B762	365	0.004%	99.829%
284	TUCA	AOI EMB-312 TUCANO			362	0.004%	99.833%
285	AC95	695 JETPROP COMMANDE		PAY3	347	0.004%	99.837%
286	BE99	AIRLINER C99	BE99		346	0.004%	99.840%
287	DR40	DR 400/2+2			334	0.003%	99.844%
288	B722	BOEING 727-200	B722		319	0.003%	99.847%
289	F5	FREEDOM FIGHTER/CF-5		FGTN	318	0.003%	99.850%
290	AT44	ATR-42-400		AT45	311	0.003%	99.853%
291	L200	LET L-200 MORAVA			305	0.003%	99.856%
292	PA24	COMACHE			299	0.003%	99.859%
293	PC9	PILATUS PC-9			292	0.003%	99.862%
294	R90R	RUSCHMEYER R-90-230R			292	0.003%	99.865%
295	U2	U-2/TR-1			291	0.003%	99.868%
296	P28B	PA28-201/235/236		TRIN	283	0.003%	99.871%
297	HAWK	HAWK MK-1 50/60		FGTN	276	0.003%	99.874%
298	AN32	AN-32			270	0.003%	99.877%
299	BA11	ONE-ELEVEN,ALL SERIE	BA11		260	0.003%	99.879%
300	C77R	CESSNA 177RG CARDINA		P28A	258	0.003%	99.882%
301	BK17	MBB-KAWASAKI BK-117		HELI	258	0.003%	99.885%
302	IL18	IL-18		C160	256	0.003%	99.887%
303	P32T	PIPER PA-32RT LANCE			249	0.003%	99.890%
304	AA5	CHEETAH AA-5/A/B		P28A	248	0.003%	99.892%
305	H25A	DE HAVILLAND DH-125	H25A		246	0.002%	99.895%
306	C177	CARDINAL 177		P28A	241	0.002%	99.897%
307	R722	B727-200RE SUPER 27			234	0.002%	99.899%
308	SB39	SAAB 39 GRIPEN		FGTN	228	0.002%	99.902%
309	L39	AERO (2) L-39/59/139			226	0.002%	99.904%
310	M28	AN-28 SKYTRUCK			216	0.002%	99.906%
311	F15	EAGLE/F15J/MDC		FGTN	203	0.002%	99.908%
312	HAR	HARRIER, ALL MARKS		FGTN	201	0.002%	99.910%
313	HA4T	RAYTHEON 4000 HAWKER 4000			196	0.002%	99.912%
314	T38	TALON			192	0.002%	99.914%
315	S2T	CONAIR TURBO FIRECAT			189	0.002%	99.916%
316	MI8	MI 8		HELI	185	0.002%	99.918%
317	N262	NORD 262 FREGATE		JS41	184	0.002%	99.920%
318	C135	BOEING C-135B		B703	183	0.002%	99.922%
319	S65C	AEROSPATIALE SA-365C		HELI	183	0.002%	99.924%
320	B212	AUGUSTA AB-212		HELI	180	0.002%	99.926%
321	PINO	GENERAL AVIA F-22 PI			160	0.002%	99.927%
322	A7	CORSAIR II		FGTN	159	0.002%	99.929%
323	COL3	LANCAIR LC-40			153	0.002%	99.930%
324	T2	BUCKEYE			150	0.002%	99.932%
325	LJ25	LEAR JET 25		LJ45	147	0.001%	99.933%
326	E110	BANDEIRANTE EMB-110		SW4	144	0.001%	99.935%
327	ALO3	SUD SA-316/319/SE-31		HELI	141	0.001%	99.936%
328	NIM	NIMROD, ALL MARKS		B738	136	0.001%	99.938%

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329	SB05	SAAB 105		C510	134	0.001%	99.939%
330	JS20	JETSTREAM 200		D228	131	0.001%	99.940%
331	EH10	EH1 EH-101/MERLIN/HE		HELI	129	0.001%	99.942%
332	AMX	AMX AMX (A-1)		FGTN	128	0.001%	99.943%
333	B105	BOLKOW BO-105		HELI	121	0.001%	99.944%
334	E400	EXTRA 400			121	0.001%	99.945%
335	EXPL	MCDONNELL DOUGLAS MD		HELI	115	0.001%	99.947%
336	YS11	YS11/YS11A			112	0.001%	99.948%
337	C152	CESSNA 152			110	0.001%	99.949%
338	H47	BOEING VERTOL MH-47 CHINOOK		HELI	109	0.001%	99.950%
339	F1	MITSUBISHI F-1		FGTN	105	0.001%	99.951%
340	LYNX	WESTLAND LYNX/SUPER		HELI	105	0.001%	99.952%
341	P68T	PARTENAVIA AP-68TP-3			102	0.001%	99.953%
342	MF17	SAAB MFI-15/17 SAFAR			99	0.001%	99.954%
343	TAMP	SOCATA TB-9 TAMPICO			97	0.001%	99.955%
344	VF14	VFW 614			95	0.001%	99.956%
345	PC21	PILATUS PC-21			93	0.001%	99.957%
346	BSTP	BELL 214ST SUPERTRAN		HELI	92	0.001%	99.958%
347	MRF1	DASSAULT MIRAGE F1		FGTN	90	0.001%	99.959%
348	NH90	NHI NH-90		HELI	89	0.001%	99.960%
349	T37	CESSNA 318			86	0.001%	99.961%
350	FREL	SUD SA-321 SUPER FRE		HELI	84	0.001%	99.961%
351	AN22	AN-22 ANTHEUS			82	0.001%	99.962%
352	XL2	LIBERTY XL-2			81	0.001%	99.963%
353	G159	GULFSTREAM I			78	0.001%	99.964%
354	A10	FAIRCHILD (1) A-10/O		FGTN	76	0.001%	99.965%
355	CE43	CE43			75	0.001%	99.965%
356	B222	BELL 222		HELI	74	0.001%	99.966%
357	C2	GREYHOUND			71	0.001%	99.967%
358	MG29	MIKOYAN MIG-29/33/BA		FGTN	70	0.001%	99.968%
359	L159	AERO L-159 ALBATROSS		FGTN	69	0.001%	99.968%
360	LNC4	NEICO LANCAIR 4			69	0.001%	99.969%
361	UH1	AUGUSTA AB-204/205		HELI	64	0.001%	99.970%
362	B430	BELL 430		HELI	63	0.001%	99.970%
363	S05R	SIAI-MARCHETTI S-205			63	0.001%	99.971%
364	DC3	DC-3/DAKOTA/SKYTRAIN		C421	59	0.001%	99.972%
365	DHC7	DE HAVILLAND CANADA			57	0.001%	99.972%
366	A743	ANTONOV AN-74-300			56	0.001%	99.973%
367	DC92	DOUGLAS DC-9-20		DC94	52	0.001%	99.973%
368	HR10	HR 100/200, 100/200B			52	0.001%	99.974%
369	G115	GROB G-115A/B/C/D/BA			51	0.001%	99.974%
370	E2	HAWKEYE			48	0.000%	99.975%
371	L29B	LOCKHEED L-1329 JETS		CL60	43	0.000%	99.975%
372	DH8B	DHC-8-200 DASH 8		DH8C	42	0.000%	99.976%
373	A148	ANTONOV AN-148			42	0.000%	99.976%
374	A748	AVRO 748 (C-91)		ATP	41	0.000%	99.976%
375	BE19	SPORT 19			40	0.000%	99.977%
376	PA38	TOMAHAWK			40	0.000%	99.977%
377	SC7	SHORT SC-7 SKYVAN			40	0.000%	99.978%
378	A6	INTRUDER		FGTN	39	0.000%	99.978%
379	MG21	MIKOYAN MIG-21		FGTN	38	0.000%	99.978%
380	S330	SCHWEIZER 330		HELI	38	0.000%	99.979%
381	AT8T	AIR TRACTOR AT-802			38	0.000%	99.979%
382	B36T	ALLISON 36 TURBINE B			37	0.000%	99.980%
383	SU24	SUKHOI SU-24			36	0.000%	99.980%
384	DC91	DOUGLAS DC-9-10		B712	35	0.000%	99.980%

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385	B1	LANCER		FGTL	35	0.000%	99.981%
386	BE65	QUEEN AIR 65/70			35	0.000%	99.981%
387	DC6	DC-6/B,LIFTMASTER			35	0.000%	99.981%
388	DR10	DR 100,105,1050,1051			35	0.000%	99.982%
389	BE24	SIERRA 24			34	0.000%	99.982%
390	BE77	SKIPPER 77			34	0.000%	99.982%
391	TBM	GRUMMAN TBF AVENGER			33	0.000%	99.983%
392	DHC5	DE HAVILLAND CANADA			32	0.000%	99.983%
393	E6	BOEING E-6 MERCURY			32	0.000%	99.983%
394	C335	CESSNA 335			31	0.000%	99.984%
395	KA27	KAMOV KA-27/28/29/31		HELI	30	0.000%	99.984%
396	SJ30	SWEARINGEN SJ-30			30	0.000%	99.984%
397	ETAR	ETENDARD IV		FGTN	29	0.000%	99.985%
398	C185	SKYWAGON 185			27	0.000%	99.985%
399	LA25	LAKE LA-250-270			27	0.000%	99.985%
400	S208	SIAI-MARCHETTI S-208			27	0.000%	99.985%
401	MI26	MI26		HELI	26	0.000%	99.986%
402	R721	B727-100RE SUPER 27			25	0.000%	99.986%
403	JU52	JUNKERS JU 52/3M			24	0.000%	99.986%
404	AS02	FFA AS-202-15/18/26			22	0.000%	99.986%
405	TEX2	RAYTHEON T-6			22	0.000%	99.987%
406	GA8	GIPPSLAND GA-8 AIRVA			21	0.000%	99.987%
407	WW24	WESTWIND		FA10	20	0.000%	99.987%
408	SH33	SHORT 330		SH36	20	0.000%	99.987%
409	CL2P	CANADAIR CL-215 (UD-			20	0.000%	99.987%
410	DC3T	BASLER TURBO 67			20	0.000%	99.988%
411	M7	MAULE M-7-235/MT-7/M			20	0.000%	99.988%
412	RANG	NAVION RANGEMASTER			20	0.000%	99.988%
413	C150	CESSNA 150			19	0.000%	99.988%
414	LNC2	NEICO LANCAIR 200/23			19	0.000%	99.988%
415	P149	P149			19	0.000%	99.989%
416	SC01	SC 01/B			19	0.000%	99.989%
417	V22	BELL-BOEING V-22 OSP			19	0.000%	99.989%
418	GY80	GARDAN GY-80 HORIZON			18	0.000%	99.989%
419	RFAL	DASSAULT RAFALE			18	0.000%	99.989%
420	SU17	SUKHOI SU-17/20/22			18	0.000%	99.990%
421	M200	MEYERS 200			17	0.000%	99.990%
422	TS11	PZL-MIELEC TS-11 ISK			17	0.000%	99.990%
423	F28	FOKKER F-28 FELLOWSH	F28		16	0.000%	99.990%
424	B701	BOEING 707-100		B752	16	0.000%	99.990%
425	R22	ROBINSON R-22		HELI	16	0.000%	99.990%
426	YK18	YAK-18/18A/18PM/18T			16	0.000%	99.991%
427	B60	BOISAVIA B-60/B-601			15	0.000%	99.991%
428	E500	EXTRA 500			15	0.000%	99.991%
429	M22	MOONEY M-22/MUSTANG			15	0.000%	99.991%
430	R90T	RUSCHMEYER R-90-420A			15	0.000%	99.991%
431	ARVA	IAI 101/102/201/202			14	0.000%	99.991%
432	BE18	TWIN BEECH 18			14	0.000%	99.991%
433	IL38	ILYUSHIN IL-38			14	0.000%	99.992%
434	PZ3T	PZL-OKECIE PZL-130T/			14	0.000%	99.992%
435	TBEE	UNITED CONSULTANT UC			14	0.000%	99.992%
436	H53	S-65		HELI	13	0.000%	99.992%
437	R44	ROBINSON R-44 ASTRO		HELI	13	0.000%	99.992%

BADA Coverage of European Air Traffic

RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
438	CH50	ZENAIR CH-50 MINI-ZE			13	0.000%	99.992%
439	CL41	CANADAIR CL-41 TUTOR			13	0.000%	99.992%
440	GC1	SWIFT			13	0.000%	99.993%
441	GLST	STODDARD-HAMILTON GL			13	0.000%	99.993%
442	RALL	MORANE-SAULNIER MS-8			13	0.000%	99.993%
443	K35A	BOEING KC-135A		B703	12	0.000%	99.993%
444	A4	SKYHAWK		FGTN	12	0.000%	99.993%
445	A225	ANTONOV AN-225 MRIYA			12	0.000%	99.993%
446	IR99	CRAIOVA IAR-99 SOIM			12	0.000%	99.993%
447	GLAS	STODDARD-HAMILTON GL		BE58	11	0.000%	99.993%
448	B52	STRATOFORTRESS		FGTL	11	0.000%	99.994%
449	AS50	AEROSPATIALE AS-350/		<i>HELI</i>	11	0.000%	99.994%
450	AC68	SUPER COMMANDER 680S			11	0.000%	99.994%
451	C15	MCDONNELL DOUGLAS YC			11	0.000%	99.994%
452	CH30	ZENAIR CH-300 TRI-ZE			11	0.000%	99.994%
453	LNP4	LANCAIR PROPJET 4			11	0.000%	99.994%
454	SU27	SUKHOI SU-27/30/32/3			11	0.000%	99.994%
455	WB57	MARTIN WB-57 (272)			11	0.000%	99.994%
456	COZY	RUTAN COZY			10	0.000%	99.994%
457	GAZL	SUD SA-341/342 GAZEL		<i>HELI</i>	9	0.000%	99.995%
458	MI24	MIL MI-24/25/35		<i>HELI</i>	9	0.000%	99.995%
459	AC50	COMMANDER 500			9	0.000%	99.995%
460	DA2	DAVIS DA-2			9	0.000%	99.995%
461	TJJJ	IFPS TURBO JET			9	0.000%	99.995%
462	B214	BELL 214A/B/C		<i>HELI</i>	8	0.000%	99.995%
463	C180	SKYWAGON 180			8	0.000%	99.995%
464	D28T	DORNIER DO-28D-6/128			8	0.000%	99.995%
465	DO28	DO 28 A,B			8	0.000%	99.995%
466	LGEZ	RUTAN 61 LONG-EZ			8	0.000%	99.995%
467	PC6P	PILATUS PC-6 PORTER			8	0.000%	99.995%
468	AN2	AN-2			7	0.000%	99.995%
469	BE50	TWIN BONANZA 50			7	0.000%	99.996%
470	BE56	BEECH 56 TURBO BARON			7	0.000%	99.996%
471	C207	STATIONAIR			7	0.000%	99.996%
472	C526	CESSNA 526 CITATIONJ			7	0.000%	99.996%
473	EM10	MARGANSKI BIELIK			7	0.000%	99.996%
474	KODI	QUEST KODIAK			7	0.000%	99.996%
475	MCR4	DYNAERO MCR4			7	0.000%	99.996%
476	R300	R 3000			7	0.000%	99.996%
477	ST10	SOCATA ST-10 DIPLOMA			7	0.000%	99.996%
478	SUBA	FUJI FA-200 AERO SUB			7	0.000%	99.996%
479	WA42	WASSMER 421/235			7	0.000%	99.996%
480	L29A	LOCKHEED L-1329 JETS		CL60	6	0.000%	99.996%
481	EC20	EUROCOPTER EC-120		<i>HELI</i>	6	0.000%	99.996%
482	AT5T	AIR TRACTOR AT-502/5			6	0.000%	99.996%
483	BLCF	BOEING 747-400LCF DREAMLIFTER			6	0.000%	99.996%
484	D140	JODEL D-140 MOUSQUET			6	0.000%	99.997%
485	HR20	HR 200/100, 200/100S			6	0.000%	99.997%
486	HUNT	HUNTER			6	0.000%	99.997%
487	S05F	SIAM-MARCHETTI S-205			6	0.000%	99.997%
488	S3	LOCKHEED S-3/ES-3/US			6	0.000%	99.997%
489	Z42	ZLIN Z-42/142/242			6	0.000%	99.997%
490	PA18	SUPER CUB		PA34	5	0.000%	99.997%
491	S360	DAUPHIN SA 360		<i>HELI</i>	5	0.000%	99.997%
492	DR30	DR 315,300/108			5	0.000%	99.997%
493	G21	GOOSE /SUPER GOOSE			5	0.000%	99.997%

RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
494	LEG2	LANCAIR LEGACY 2000			5	0.000%	99.997%
495	LNCE	LANCAIR LANCAIR ES/L			5	0.000%	99.997%
496	NAVI	NORTH AMERICAN NA-14			5	0.000%	99.997%
497	R200	R 2160 ALPHA 160			5	0.000%	99.997%
498	CVLT	CANADAIR CL-66/CV-58		DH8C	4	0.000%	99.997%
499	C170	CESSNA 170		P28A	4	0.000%	99.997%
500	EC30	EUROCOPTER EC-130		HELI	4	0.000%	99.997%
501	TIGR	EUROCOPTER TIGRE/TIG		HELI	4	0.000%	99.997%
502	A1	SKYRAIDER			4	0.000%	99.997%
503	B103	BERIEV BE-103			4	0.000%	99.997%
504	F8L	FALCO			4	0.000%	99.998%
505	L90	VALMET L-90TP REDIGO			4	0.000%	99.998%
506	NOMA	GAF N-2/22/24 NOMAD/			4	0.000%	99.998%
507	P39	BELL P-39 AIRACOBRA			4	0.000%	99.998%
508	PA22	TRI-PACER, COLT			4	0.000%	99.998%
509	T160	TUPOLEV TU-160			4	0.000%	99.998%
510	TRIM	FORD 5 AT TRI-MOTOR			4	0.000%	99.998%
511	LJ24	LEAR JET 24		C560	3	0.000%	99.998%
512	BDOG	BEAGLE B-125 BULLDOG		PA34	3	0.000%	99.998%
513	B731	BOEING 737-100		T134	3	0.000%	99.998%
514	B230	BELL 230		HELI	3	0.000%	99.998%
515	H269	BREDANARDI NH-300		HELI	3	0.000%	99.998%
516	AC6L	AERO COMMANDER 680FL			3	0.000%	99.998%
517	AC80	680 TURBO COMMANDER			3	0.000%	99.998%
518	B17	BOEING B-17 FLYING F			3	0.000%	99.998%
519	B25	MITCHELL			3	0.000%	99.998%
520	BE12	BERIEV BE-12/14 TCHA			3	0.000%	99.998%
521	C120	CESSNA 120			3	0.000%	99.998%
522	CN12	CIRCA NIEUPORT 12-7/8			3	0.000%	99.998%
523	G180	G1-80 SKYFARER			3	0.000%	99.998%
524	GLSP	NEW GLASTAR SPORTSMAN 2+2			3	0.000%	99.998%
525	HUSK	CHRISTEN A-1 HUSKY			3	0.000%	99.998%
526	JP10	JP-100 KESTREL			3	0.000%	99.998%
527	OSCR	PARTENAVIA P-64/66 O			3	0.000%	99.998%
528	P66P	PIAGGIO P-166/P-166A			3	0.000%	99.998%
529	PA12	SUPER CRUISER			3	0.000%	99.998%
530	R100	R 1180T			3	0.000%	99.998%
531	R90F	RUSCHMEYER R-90-230F			3	0.000%	99.998%
532	SBR2	NORTH AMERICAN ROCKW			3	0.000%	99.998%
533	SF27	SF 27M-A			3	0.000%	99.998%
534	VELO	VELOCITY VELOCITY			3	0.000%	99.999%
535	W3	PZL-SWIDNIK W-3 SOKO			3	0.000%	99.999%
536	Y130	YAKOVLEV YAK-130			3	0.000%	99.999%
537	DC85	DC-8-50, JET TRADER		A310	2	0.000%	99.999%
538	SB37	SAAB 37 VIGGEN		FGTN	2	0.000%	99.999%
539	A270	AERO (2) AE-270 IBIS			2	0.000%	99.999%
540	AS22	SCHLEICHER ASW-22BE			2	0.000%	99.999%
541	B2	NORTHROP B-2 SPIRIT			2	0.000%	99.999%
542	B209	BOLKOW BO-209 MONSUN			2	0.000%	99.999%
543	BELF	SHORT SC-5 BELFAST			2	0.000%	99.999%
544	C125	NORTHROP C-125 RAIDE			2	0.000%	99.999%
545	C411	CESSNA 411			2	0.000%	99.999%
546	CHIN	ASAP CHINOOK			2	0.000%	99.999%
547	D6	AUSTER D-6			2	0.000%	99.999%
548	DH80	DE HAVILLAND DH-80 P			2	0.000%	99.999%
549	F2	MITSUBISHI F-2			2	0.000%	99.999%

BADA Coverage of European Air Traffic

RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
550	F22	LOCKHEED FA-22			2	0.000%	99.999%
551	G4SG	SOKO G-4 SUPER GALEB			2	0.000%	99.999%
552	GOLF	TECNAM P-96 GOLF			2	0.000%	99.999%
553	GP4	PEREIRA GP-4			2	0.000%	99.999%
554	IR23	ICA IAR-823			2	0.000%	99.999%
555	LA4	LAKE LA-4/200/BUCCAN			2	0.000%	99.999%
556	M6	MAULE M-6 SUPER ROCK			2	0.000%	99.999%
557	MP20	MP-205/207 BUSARD			2	0.000%	99.999%
558	P337	CESSNA T337G/P337 PR			2	0.000%	99.999%
559	P51	MUSTANG			2	0.000%	99.999%
560	P750	AEROSPACE 750XL			2	0.000%	99.999%
561	PNR3	ALPI PIONEER 300			2	0.000%	99.999%
562	S210	CARAVELLE			2	0.000%	99.999%
563	S2P	DE HAVILLAND CANADA			2	0.000%	99.999%
564	SB91	SAAB 91 SAFIR			2	0.000%	99.999%
565	SM20	TECHNOAVIA SM-2000			2	0.000%	99.999%
566	SU25	SUKHOI SU-25/28			2	0.000%	99.999%
567	T4	T4			2	0.000%	99.999%
568	TB05	TEXAS BULLET 205			2	0.000%	99.999%
569	TR20	FEUGRAY TR-200			2	0.000%	99.999%
570	TU22	TUPOLEV TU-22			2	0.000%	99.999%
571	TU95	TUPOLEV TU-95/142			2	0.000%	99.999%
572	F14	TOMCAT		FGTN	1	0.000%	99.999%
573	SB32	SAAB 32 LANSEN		FGTN	1	0.000%	99.999%
574	HUCO	BELL AH-1E/F/P/S/TAH		HELI	1	0.000%	99.999%
575	S61R	AGUSTA AS-61R (HH-3)		HELI	1	0.000%	99.999%
576	A205	OSKBES-MAI MAI-205			1	0.000%	99.999%
577	A3	SKYWARRIOR			1	0.000%	99.999%
578	A50	BERIEV A-50			1	0.000%	99.999%
579	AA1	YANKEE AA-IB/C			1	0.000%	99.999%
580	AC5A	NANJING AC-500 AIRCAR			1	0.000%	99.999%
581	AS14	SCHLEICHER ASK-14			1	0.000%	99.999%
582	BE17	STAGGER WING 17			1	0.000%	99.999%
583	BE23	SUNDOWNER 2/MUSKET23			1	0.000%	99.999%
584	BE70	BEECH 70 QUEEN AIR			1	0.000%	99.999%
585	BX2	BRANDLI BX-2 CHERRY			1	0.000%	99.999%
586	C02T	AJI TURBO STAR 402			1	0.000%	99.999%
587	C04T	OMNI 404 TURBO TITAN			1	0.000%	99.999%
588	C119	FLYING BOX CAR			1	0.000%	99.999%
589	C175	SKYLARK 175			1	0.000%	99.999%
590	C190	CESSNA 190			1	0.000%	99.999%
591	C195	CESSNA 195			1	0.000%	99.999%
592	C21T	RILEY TURBINE ROCKET			1	0.000%	99.999%
593	C46	COMMANDO			1	0.000%	100.000%
594	C82	FAIRCHILD (1) C-82 P			1	0.000%	100.000%
595	CE25	CHERNOV CHE-25			1	0.000%	100.000%
596	CH40	CHAMPION LANCER 402			1	0.000%	100.000%
597	D253	CENTRE EST DR-253 RE			1	0.000%	100.000%
598	DHC1	DE HAVILLAND CANADA			1	0.000%	100.000%
599	DOVE	DE HAVILLAND DH-104			1	0.000%	100.000%
600	DR22	DR 200,221			1	0.000%	100.000%
601	E300	EXTRA 300/350			1	0.000%	100.000%
602	FDCT	FLIGHT DESIGN CT			1	0.000%	100.000%
603	G140	GROB G-140TP			1	0.000%	100.000%
604	G200	AKROTECH G-200			1	0.000%	100.000%
605	G3	G3			1	0.000%	100.000%

RANK	ICAO ID	FULL NAME	BADA_MODEL	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	ACCUM.%
606	GM17	GM-17 VIPER			1	0.000%	100.000%
607	GSPN	GROB SPN UTILITY JET			1	0.000%	100.000%
608	JAB4	JABIRU J200, J400			1	0.000%	100.000%
609	JPRO	HUNTING PERCIVAL P-8			1	0.000%	100.000%
610	L12	LOCKHEED L-12 ELECTR			1	0.000%	100.000%
611	L60	AERO (2) L-60 BRIGAD			1	0.000%	100.000%
612	LJ23	LEAR JET 23			1	0.000%	100.000%
613	M21	PZL-MIELEC M-21 DROM			1	0.000%	100.000%
614	MEEE	IFPS MULTI ENGINE			1	0.000%	100.000%
615	MIRA	ATLAS CHEETAH			1	0.000%	100.000%
616	MOR2	MORRISEY 2150/2000/N			1	0.000%	100.000%
617	P38	LOCKHEED P-38/F-5 LI			1	0.000%	100.000%
618	P63	BELL P-63 KINGCOBRA			1	0.000%	100.000%
619	P82	NORTH AMERICAN P-82/			1	0.000%	100.000%
620	PA20	PACER			1	0.000%	100.000%
621	PA36	BRAVE			1	0.000%	100.000%
622	PAT4	PA-31-T			1	0.000%	100.000%
623	PZ01	PZL-OKECIE PZL-101 G			1	0.000%	100.000%
624	R135	BOEING RC-135			1	0.000%	100.000%
625	RF4	FOURNIER RF-4			1	0.000%	100.000%
626	RV4	RV-4			1	0.000%	100.000%
627	SA20	BERIEV SA-20			1	0.000%	100.000%
628	SF2	SISLER SF-2 CYGNET			1	0.000%	100.000%
629	SF24	SCHEIBE SF-24			1	0.000%	100.000%
630	SF25	SF 25			1	0.000%	100.000%
631	SG37	SCHWEIZER SGM-2-37 (			1	0.000%	100.000%
632	SK70	STARKRAFT SK-700			1	0.000%	100.000%
633	SM92	TECHNOAVIA SM-92 FIN			1	0.000%	100.000%
634	T40	TURNER T-40			1	0.000%	100.000%
635	ULAC	ULTRALIGHT/MICROLIGH			1	0.000%	100.000%
636	VAMP	DE HAVILLAND DH-100/			1	0.000%	100.000%
637	WA41	WASSMER 41			1	0.000%	100.000%
638	WT9	AEROSPOOL DYNAMIC			1	0.000%	100.000%
639	X319	AIRBUS 319X			1	0.000%	100.000%
640	X320	AIRBUS 320X			1	0.000%	100.000%
641	YK28	YAKOVLEV YAK-28			1	0.000%	100.000%
642	ZULU	BULAERO ZULU			1	0.000%	100.000%
				TOTAL	9849291	100.0000%	

ANNEX B - BADA 3.7 COVERAGE FIGURES

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BADA 3.7 aircraft types listed alphabetically showing percentage and rank within the 2008-09 traffic data

No.	ICAO ID	FULL NAME	BADA_MODEL	TOTAL TRAFFIC	% TOTAL TRAFFIC	RANK
1	A306	AIRBUS A-300B4-600	A306	30271	0.307%	56
2	A30B	AIRBUS A-300B2/4	A30B	23614	0.240%	67
3	A310	AIRBUS A-310 (CC-150	A310	30401	0.309%	55
4	A319	AIRBUS A-319	A319	844769	8.577%	3
5	A320	AIRBUS A-320	A320	1120125	11.373%	1
6	A321	AIRBUS A-321	A321	386401	3.923%	5
7	A332	AIRBUS A-330-200	A332	116614	1.184%	19
8	A333	AIRBUS A-330-300	A333	48026	0.488%	38
9	A343	AIRBUS A-340-300	A343	82067	0.833%	27
10	A346	AIRBUS A-340-600	A346	34814	0.353%	49
11	A388	AIRBUS A-380-800	A388	2817	0.029%	169
12	AT43	ATR-42-200/300/320	AT43	73494	0.746%	30
13	AT45	ATR-42-500	AT45	93186	0.946%	25
14	AT72	ATR-72	AT72	270402	2.745%	6
15	ATP	BRITISH AEROSPACE AT	ATP	39343	0.399%	46
16	B462	BAE-146-200	B462	38324	0.389%	47
17	B703	BOEING 707-300	B703	1373	0.014%	203
18	B712	BOEING 717-200	B712	12098	0.123%	101
19	B722	BOEING 727-200	B722	319	0.003%	288
20	B732	BOEING 737-200	B732	4911	0.050%	144
21	B733	BOEING 737-300	B733	389842	3.958%	4
22	B734	BOEING 737-400	B734	240752	2.444%	8
23	B735	BOEING 737-500	B735	232974	2.365%	10
24	B736	BOEING 737-600	B736	79798	0.810%	28
25	B737	BOEING 737-700	B737	253764	2.576%	7
26	B738	BOEING 737-800	B738	940373	9.548%	2
27	B742	BOEING 747-200	B742	17231	0.175%	74
28	B743	BOEING 747-300	B743	3655	0.037%	154
29	B744	747-400,INTL.WINGLET	B744	154705	1.571%	15
30	B752	BOEING 757-200	B752	190499	1.934%	12
31	B753	BOEING 757-300	B753	17711	0.180%	72
32	B762	BOEING 767-200	B762	28387	0.288%	62
33	B763	BOEING 767-300	B763	145344	1.476%	16
34	B764	BOEING 767-400	B764	10274	0.104%	107
35	B772	BOEING 777-200	B772	119083	1.209%	18
36	B773	BOEING 777-300	B773	14122	0.143%	86
37	BA11	ONE-ELEVEN,ALL SERIE	BA11	260	0.003%	299
38	BE20	SUPER KING AIR 200	BE20	60533	0.615%	35
39	BE58	BARON 58	BE58	13259	0.135%	92
40	BE99	AIRLINER C99	BE99	346	0.004%	286
41	BE9L	BEECH 90/A90 TO E90	BE9L	14563	0.148%	82
42	C130	HERCULES	C130	21180	0.215%	70
43	C160	TRANSALL C-160	C160	9573	0.097%	113
44	C421	GOLDEN EAGLE 421	C421	2005	0.020%	186
45	C510	CESSNA 510 CITATION MUSTANG	C510	6509	0.066%	126
46	C550	CITATION II-S2	C550	32270	0.328%	51
47	C560	CITATION V	C560	14295	0.145%	84
48	C750	CESSNA 750 CITATION	C750	4374	0.044%	150

No.	ICAO ID	FULL NAME	BADA_MODEL	TOTAL TRAFFIC	% TOTAL TRAFFIC	RANK
49	CL60	CHALLENGER CL600/601	CL60	28672	0.291%	61
50	CRJ1	RJ-100 REGIONAL JET	CRJ1	23922	0.243%	66
51	CRJ2	RJ-200 REGIONAL JET	CRJ2	233080	2.366%	9
52	CRJ9	CRJ-900 REGIONAL JET	CRJ9	97986	0.995%	24
53	D228	DORNIER 228-100/200	D228	9520	0.097%	114
54	D328	D328	D328	41228	0.419%	40
55	DA42	DAIMOND DA-42	DA42	23232	0.236%	68
56	DC10	DC-10 ALL SERIES	DC10	7581	0.077%	124
57	DC87	DC-8-70	DC87	512	0.005%	265
58	DH8A	DHC-8-100 DASH 8	DH8A	83450	0.847%	26
59	DH8C	DHC-8-300 DASH 8	DH8C	107726	1.094%	22
60	DH8D	DHC-8-400 DASH 8	DH8D	166762	1.693%	13
61	E120	BRASILIA EMB-120/HH/	E120	13234	0.134%	93
62	E135	EMBRAER ERJ-135	E135	40897	0.415%	44
63	E145	EMBRAER EMB-145	E145	161242	1.637%	14
64	E170	EMBRAER170	E170	62822	0.638%	34
65	E190	EMBRAER ERJ-190	E190	64582	0.656%	33
66	EA50	ECLIPSE 500	EA50	1274	0.013%	207
67	F100	FOKKER 100	F100	135860	1.379%	17
68	F27	CONAIR F-27 FIREFIGH	F27	6229	0.063%	128
69	F28	FOKKER F-28 FELLOWSH	F28	16	0.000%	423
70	F50	FOKKER 50/MARITIME E	F50	100140	1.017%	23
71	F70	FOKKER 70	F70	72519	0.736%	31
72	F900	DASSAULT-BREGUET FAL	F900	31304	0.318%	54
73	FA10	DASSAULT FALCON 10/M	FA10	5219	0.053%	141
74	FA20	DASSAULT FALCON 20/M	FA20	5011	0.051%	143
75	FA50	DASSAULT-BREGUET FAL	FA50	12835	0.130%	97
76	H25A	DE HAVILLAND DH-125	H25A	246	0.002%	305
77	JS32	BAE-3200 SUPER 32	JS32	29552	0.300%	58
78	JS41	BAE-4100 JETSTREAM41	JS41	25479	0.259%	64
79	L101	TRI-STAR, ALL SERIES	L101	1416	0.014%	200
80	LJ35	GATES LEARJET 35/36	LJ35	11515	0.117%	104
81	LJ45	LEARJET 45	LJ45	12383	0.126%	100
82	MD11	MD-11	MD11	39812	0.404%	45
83	MD82	BOEING MD-82	MD82	190835	1.938%	11
84	MD83	BOEING MD-83	MD83	40943	0.416%	43
85	MU2	MU-2	MU2	891	0.009%	232
86	P28A	PA28-140/161/180/181	P28A	14348	0.146%	83
87	PA27	PIPER PA-23-235/250	PA27	667	0.007%	251
88	PA31	PIPER CHIEFTAIN,...	PA31	13291	0.135%	91
89	PA34	SENECA III PA34-220T	PA34	29470	0.299%	59
90	PAY2	PA-31-T CHEYENNE 2	PAY2	3533	0.036%	156
91	PAY3	PA-42 720 CHEYENNE 3	PAY3	9455	0.096%	115
92	RJ85	RJ-85 AVROLINER	RJ85	114052	1.158%	20
93	SB20	SAAB 2000	SB20	52897	0.537%	36
94	SF34	SF 340	SF34	79451	0.807%	29
95	SH36	SHORTS 360	SH36	3564	0.036%	155
96	SW4	EXPEDITER,MERLIN,...	SW4	23094	0.234%	69
97	T134	TUPOLEV TU-134	T134	2943	0.030%	167
98	T154	TUPOLEV TU-154	T154	26699	0.271%	63
99	TRIN	SOCATA TB-20/21 TRIN	TRIN	16984	0.172%	76

BADA 3.7 aircraft types covered by synonym aircraft, listed alphabetically showing percentage and rank within the 2008-09 traffic data.

No.	ICAO ID	FULL NAME	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	RANK
1	A10	FAIRCHILD (1) A-10/O	FGTN	76	0.001%	354
2	A109	A109 /109A /109A II	HELI	686	0.007%	250
3	A124	ANTONOV AN-124 RUSLA	A346	3166	0.032%	163
4	A139	AGUSTA AB-139	HELI	12943	0.131%	96
5	A318	AIRBUS A-318	A319	41086	0.417%	41
6	A342	AIRBUS A-340-200	A343	4684	0.048%	146
7	A345	AIRBUS A-340-500	A346	3428	0.035%	158
8	A3ST	AIRBUS A-300ST SUPER	A321	2808	0.029%	170
9	A4	SKYHAWK	FGTN	12	0.000%	444
10	A6	INTRUDER	FGTN	39	0.000%	378
11	A7	CORSAIR II	FGTN	159	0.002%	322
12	A748	AVRO 748 (C-91)	ATP	41	0.000%	374
13	AA5	CHEETAH AA-5/A/B	P28A	248	0.003%	304
14	AC90	JETPROP COMMANDER	PAY3	733	0.007%	247
15	AC95	695 JETPROP COMMANDE	PAY3	347	0.004%	285
16	AEST	TED SMITH AEROSTAR	MU2	643	0.007%	255
17	AJET	ALPHAJET	FGTN	655	0.007%	252
18	ALO3	SUD SA-316/319/SE-31	HELI	141	0.001%	327
19	AMX	AMX AMX (A-1)	FGTN	128	0.001%	332
20	AN12	AN-12 / AN-12BP	C130	5347	0.054%	138
21	AN24	AN-24	F27	6033	0.061%	131
22	AN26	AN-26 / AN26B	AT72	13611	0.138%	89
23	AN72	AN-72	F28	382	0.004%	280
24	AS32	AEROSPATIALE AS-332/	HELI	13171	0.134%	94
25	AS3B	AEROSPATIALE AS-532A2	HELI	14271	0.145%	85
26	AS50	AEROSPATIALE AS-350/	HELI	11	0.000%	449
27	AS55	AEROSPATIALE AS-355	HELI	1662	0.017%	194
28	AS65	AEROSPATIALE SA-365	HELI	1350	0.014%	206
29	ASTR	IAI 1125 ASTRA	FA10	999	0.010%	223
30	AT44	ATR-42-400	AT45	311	0.003%	290
31	ATLA	ATLANTIC 1150	E120	1013	0.010%	222
32	B06	BELL 206A/B/L/406/TH	HELI	969	0.010%	225
33	B1	LANCER	FGTL	35	0.000%	385
34	B105	BOLKOW BO-105	HELI	121	0.001%	333
35	B190	BEECH 1900 (C-12J)	JS32	31753	0.322%	53
36	B212	AUGUSTA AB-212	HELI	180	0.002%	320
37	B214	BELL 214A/B/C	HELI	8	0.000%	462
38	B222	BELL 222	HELI	74	0.001%	356
39	B230	BELL 230	HELI	3	0.000%	514
40	B350	BEECH B300 SUPER KIN	PAY3	10095	0.102%	109
41	B412	AUGUSTA B-412	HELI	1922	0.020%	188
42	B430	BELL 430	HELI	63	0.001%	362
43	B461	BAE-146-100	B462	2215	0.022%	180
44	B463	BAE-146-300	B462	41345	0.420%	39
45	B52	STRATOFORTRESS	FGTL	11	0.000%	448
46	B701	BOEING 707-100	B752	16	0.000%	424
47	B721	BOEING 727-100	B752	411	0.004%	274
48	B731	BOEING 737-100	T134	3	0.000%	513
49	B739	737-900 BBJ3	B738	9713	0.099%	111

No.	ICAO ID	FULL NAME	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	RANK
50	B741	BOEING 747-100	B743	562	0.006%	259
51	B74S	747 SP	B742	582	0.006%	257
52	B77L	BOEING 777-200LR	B744	2787	0.028%	171
53	B77W	BOEING 777-300ER	B744	35622	0.362%	48
54	BDOG	BEAGLE B-125 BULLDOG	PA34	3	0.000%	512
55	BE10	KING AIR 100 A	D228	1163	0.012%	211
56	BE30	SUPER KING AIR 300	PAY3	3283	0.033%	162
57	BE33	BONANZA 33	TRIN	2162	0.022%	183
58	BE36	BONANZA 36	DA42	2541	0.026%	175
59	BE40	BEECHJET 400	C560	15175	0.154%	80
60	BE55	BARON 55 COCHISE	BE58	1737	0.018%	192
61	BE60	DUKE 60	PA31	776	0.008%	241
62	BE76	DUCHESS 76	DA42	5252	0.053%	140
63	BE95	TRAVELAIR 95	TRIN	650	0.007%	253
64	BK17	MBB-KAWASAKI BK-117	HELI	258	0.003%	301
65	BN2P	BRITTEN-NORMAN BN-2/	PA34	863	0.009%	235
66	BSTP	BELL 214ST SUPERTRAN	HELI	92	0.001%	346
67	C135	BOEING C-135B	B703	183	0.002%	318
68	C17	MCDONNELL DOUGLAS C-	B764	16699	0.170%	77
69	C170	CESSNA 170	P28A	4	0.000%	499
70	C172	SKYHAWK 172	P28A	13914	0.141%	87
71	C177	CARDINAL 177	P28A	241	0.002%	306
72	C182	SKYLANE 182/RG	TRIN	4655	0.047%	147
73	C208	CARAVAN I	PA27	11948	0.121%	103
74	C210	CENTURION/II	TRIN	2432	0.025%	178
75	C212	CASA C-212 AVIOCAR (	D228	1092	0.011%	215
76	C303	CRUSADER 303	PA31	1061	0.011%	219
77	C30J	C-130J	C130	2897	0.029%	168
78	C310	CESSNA 310/T310	PA34	1357	0.014%	205
79	C337	SUPER SKYMASTER 337	PA27	771	0.008%	243
80	C340	CESSNA 340	PA31	2705	0.027%	172
81	C402	CESSNA 402	PA34	489	0.005%	268
82	C414	CHANCELLOR 414	PA31	1237	0.013%	209
83	C425	CORSAIR/CONQUEST	PAY2	1533	0.016%	197
84	C441	CONQUEST II-441	PAY3	840	0.009%	237
85	C5	LOCKHEED C-5 GALAXY	A346	3690	0.037%	153
86	C500	CITATION I	C550	3388	0.034%	159
87	C501	CITATION 1SP	C550	3154	0.032%	164
88	C525	CITATIONJET 525	C550	34233	0.348%	50
89	C551	CITATION 2SP	C550	3024	0.031%	165
90	C56X	CESSNA 560XL	C560	49194	0.499%	37
91	C650	CITATION III	H25A	5967	0.061%	132
92	C72R	CESSNA 172RG CUTLASS	TRIN	1138	0.012%	213
93	C77R	CESSNA 177RG CARDINA	P28A	258	0.003%	300
94	C82R	CESSNA R182/TR182 (T	TRIN	556	0.006%	261
95	CN35	CN-235/CN235	AT43	9956	0.101%	110
96	CRJ7	RJ-700 REGIONAL JET	CRJ9	70392	0.715%	32
97	CVLT	CANADAIR CL-66/CV-58	DH8C	4	0.000%	498
98	DC3	DC-3/DAKOTA/SKYTRAIN	C421	59	0.001%	364
99	DC85	DC-8-50, JET TRADER	A310	2	0.000%	537
100	DC86	DC-8-60	DC87	907	0.009%	229
101	DC91	DOUGLAS DC-9-10	B712	35	0.000%	384
102	DC92	DOUGLAS DC-9-20	DC94	52	0.001%	367
103	DC93	DOUGLAS DC-9-30	DC94	1088	0.011%	216

No.	ICAO ID	FULL NAME	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	RANK
104	DC95	DOUGLAS DC-9-50	DC94	1013	0.010%	221
105	DH8B	DHC-8-200 DASH 8	DH8C	42	0.000%	372
106	E110	BANDEIRANTE EMB-110	SW4	144	0.001%	326
107	E3CF	BOEING E-3A (CFM56)	B762	365	0.004%	283
108	E3TF	BOEING E-3A (TF33)	B762	735	0.007%	246
109	EC20	EUROCOPTER EC-120	HELI	6	0.000%	481
110	EC25	EUROCOPTER EC225/725	HELI	1538	0.016%	196
111	EC30	EUROCOPTER EC-130	HELI	4	0.000%	500
112	EC35	EUROCOPTER EC-135	HELI	1222	0.012%	210
113	EC45	EUROCOPTER EC-145	HELI	966	0.010%	226
114	EC55	EUROCOPTER EC-155	HELI	12554	0.127%	98
115	EH10	EHI EH-101/MERLIN/HE	HELI	129	0.001%	331
116	ETAR	ETENDARD IV	FGTN	29	0.000%	397
117	EUFI	EUROFIGHTER EUROFIGH	FGTN	398	0.004%	277
118	EXPL	MCDONNELL DOUGLAS MD	HELI	115	0.001%	335
119	F1	MITSUBISHI F-1	FGTN	105	0.001%	339
120	F14	TOMCAT	FGTN	1	0.000%	572
121	F15	EAGLE/F15J/MDC	FGTN	203	0.002%	311
122	F16	FIGHTING FALCON	FGTN	6097	0.062%	130
123	F18	HORNET	FGTN	2699	0.027%	173
124	F2TH	DASSAULT FALCON 2000	F900	29726	0.302%	57
125	F4	PHANTOM II/F4EJ/MDC	FGTN	2194	0.022%	182
126	F5	FREEDOM FIGHTER/CF-5	FGTN	318	0.003%	289
127	FREL	SUD SA-321 SUPER FRE	HELI	84	0.001%	350
128	G222	FIAT G-222	ATP	420	0.004%	273
129	GALX	IAI GALAXY	C750	5273	0.054%	139
130	GAZL	SUD SA-341/342 GAZEL	HELI	9	0.000%	457
131	GLAS	STODDARD-HAMILTON GL	BE58	11	0.000%	447
132	GLEX	CANADAIR BL-701 GLOB	CRJ9	10955	0.111%	106
133	GLF2	G-1159 GULFSTREAM1/2	CRJ2	462	0.005%	270
134	GLF3	GULFSTREAM 3	CRJ2	1669	0.017%	193
135	GLF4	GULFSTREAM 4	CRJ9	17051	0.173%	75
136	GLF5	GULFSTREAM 5	CRJ9	19045	0.193%	71
137	H25B	HAWKER SIDDELEY HS-1	H25A	41007	0.416%	42
138	H25C	BRITISH AEROSPACE BA	FA20	951	0.010%	227
139	H269	BREDANARDI NH-300	HELI	3	0.000%	515
140	H47	BOEING VERTOL MH-47 CHINOOK	HELI	109	0.001%	338
141	H53	S-65	HELI	13	0.000%	436
142	H60	S-70	HELI	501	0.005%	267
143	HAR	HARRIER, ALL MARKS	FGTN	201	0.002%	312
144	HAWK	HAWK MK-1 50/60	FGTN	276	0.003%	297
145	HUCO	BELL AH-1E/F/P/S/TAH	HELI	1	0.000%	574
146	IL18	IL-18	C160	256	0.003%	302
147	IL62	IL-62/IL-62M/MK	A30B	809	0.008%	238
148	IL76	IL-76/IL-76M/MD/T/TD	B764	5455	0.055%	137
149	IL86	IL-86	B763	7734	0.079%	123
150	IL96	IL-96	A343	1026	0.010%	220
151	J328	DORNIER 328 JET ENVOY	E135	12463	0.127%	99
152	JS20	JETSTREAM 200	D228	131	0.001%	330
153	JS31	BAE-3100 JETSTREAM31	JS32	9049	0.092%	118
154	K35A	BOEING KC-135A	B703	12	0.000%	443
155	K35R	BOEING KC-135R/T	B703	4789	0.049%	145
156	KA27	KAMOV KA-27/28/29/31	HELI	30	0.000%	395
157	L159	AERO L-159 ALBATROSS	FGTN	69	0.001%	359

No.	ICAO ID	FULL NAME	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	RANK
158	L188	ELECTRA	C160	2119	0.022%	184
159	L29A	LOCKHEED L-1329 JETS	CL60	6	0.000%	480
160	L29B	LOCKHEED L-1329 JETS	CL60	43	0.000%	371
161	L410	LET L-410/420 TURBOL	D228	15960	0.162%	79
162	LJ24	LEAR JET 24	C560	3	0.000%	511
163	LJ25	LEAR JET 25	LJ45	147	0.001%	325
164	LJ31	GATES LEARJET 31	LJ45	2519	0.026%	176
165	LJ55	GATES LEARJET 55	LJ45	1759	0.018%	191
166	LJ60	LEARJET 60	LJ45	13544	0.138%	90
167	LYNX	WESTLAND LYNX/SUPER	HELI	105	0.001%	340
168	M20P	M-20 NON TURBOCHARGE	TRIN	3757	0.038%	152
169	M20T	M-20 TURBOCHARGED	TRIN	2545	0.026%	174
170	MD81	BOEING MD-81	MD82	4632	0.047%	149
171	MD87	BOEING MD-87	MD82	31889	0.324%	52
172	MD88	BOEING MD-88	MD82	10995	0.112%	105
173	MD90	MCDONNELL DOUGLAS MD	MD83	11952	0.121%	102
174	MG21	MIKOYAN MIG-21	FGTN	38	0.000%	379
175	MG29	MIKOYAN MIG-29/33/BA	FGTN	70	0.001%	358
176	MI24	MIL MI-24/25/35	HELI	9	0.000%	458
177	MI26	MI26	HELI	26	0.000%	401
178	MI8	MI 8	HELI	185	0.002%	316
179	MIR2	MIRAGE 2000	FGTN	860	0.009%	236
180	MRF1	DASSAULT MIRAGE F1	FGTN	90	0.001%	347
181	MU30	MU-300	C560	387	0.004%	278
182	N262	NORD 262 FREGATE	JS41	184	0.002%	317
183	NH90	NHI NH-90	HELI	89	0.001%	348
184	NIM	NIMROD, ALL MARKS	B738	136	0.001%	328
185	P180	P 180 AVANTI	C550	14800	0.150%	81
186	P28B	PA28-201/235/236	TRIN	283	0.003%	296
187	P28R	PIPER PA-28R-180/200	DA42	8139	0.083%	120
188	P28T	PIPER PA-28RT ARROW	DA42	5881	0.060%	133
189	P3	ORION	C130	1398	0.014%	201
190	P32R	PIPER PA-32R CHEROKE	TRIN	452	0.005%	271
191	P68	PARTENAVIA P-68/VICT	PA27	1530	0.016%	198
192	PA18	SUPER CUB	PA34	5	0.000%	490
193	PA23	APACHE	PA27	474	0.005%	269
194	PA32	PIPER CHEROKEE,...	TRIN	2028	0.021%	185
195	PA44	SEMINOLE	TRIN	8051	0.082%	121
196	PAY1	PA-31-T CHEYENNE 1	PAY2	646	0.007%	254
197	PAY4	PA-42 CHEYENNE 400	C510	1144	0.012%	212
198	PC12	PILATUS PC-12	BE9L	16380	0.166%	78
199	PUMA	SUD SA-330 PUMA	HELI	1475	0.015%	199
200	R22	ROBINSON R-22	HELI	16	0.000%	425
201	R44	ROBINSON R-44 ASTRO	HELI	13	0.000%	437
202	RJ1H	RJ-100 AVROLINER	RJ85	111765	1.135%	21
203	RJ70	RJ-70 AVROLINER	RJ85	3288	0.033%	161
204	S330	SCHWEIZER 330	HELI	38	0.000%	380
205	S360	DAUPHIN SA 360	HELI	5	0.000%	491
206	S601	SN 601 CORVETTE	C550	1370	0.014%	204
207	S61	HELIPRO S-61 SHORTSK	HELI	776	0.008%	242
208	S61R	AGUSTA AS-61R (HH-3)	HELI	1	0.000%	575
209	S65C	AEROSPATIALE SA-365C	HELI	183	0.002%	319
210	S76	SIKORSKY S-76/H-76/A	HELI	6412	0.065%	127
211	S92	SYKORSKY S-92 HELIBU	HELI	29345	0.298%	60

No.	ICAO ID	FULL NAME	BADA SYNONYM	TOTAL TRAFFIC	% TOTAL TRAFFIC	RANK
212	SB05	SAAB 105	C510	134	0.001%	329
213	SB32	SAAB 32 LANSEN	FGTN	1	0.000%	573
214	SB37	SAAB 37 VIGGEN	FGTN	2	0.000%	538
215	SB39	SAAB 39 GRIPEN	FGTN	228	0.002%	308
216	SBR1	NORTH AMERICAN NA-26	FA10	368	0.004%	282
217	SH33	SHORT 330	SH36	20	0.000%	408
218	SW2	MERLIN IIA/B	SW4	943	0.010%	228
219	SW3	MERLIN IVC	PAY3	3441	0.035%	157
220	T204	TUPOLEV TU-204	T154	5061	0.051%	142
221	TBM7	TBM 700	PAY3	13835	0.140%	88
222	TIGR	EUROCOPTER TIGRE/TIG	HELI	4	0.000%	501
223	TOBA	SOCATA TB-10/200 TOB	TRIN	2002	0.020%	187
224	TOR	PANAVIA TORNADO	FGTN	754	0.008%	245
225	UH1	AUGUSTA AB-204/205	HELI	64	0.001%	361
226	VC10	VC10-1100	B762	883	0.009%	234
227	WW24	WESTWIND	FA10	20	0.000%	407
228	YK40	YAK-40	AT43	5597	0.057%	136
229	YK42	YAK-42	DC94	10182	0.103%	108

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