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FOR THE SAFETY OF AIR NAVIGATION



**EUROCONTROL EXPERIMENTAL CENTRE**

**COVERAGE OF 2012 EUROPEAN AIR TRAFFIC  
FOR THE BASE OF AIRCRAFT DATA (BADA) - REVISION 3.11**

**EEC Technical/Scientific Report No. 13/06/27-06**

Project BADA

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<b>Abstract :</b>  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 and universities. The uses of BADA vary from aircraft trajectory simulation in Air Traffic Management (ATM) research and 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 (Jan.-Dec. 2012). The results show that the aircraft types within BADA 3.11 cover 93.17% of the European air traffic for the whole period, compared to the annual target of 90%. The synonym aircraft occupy a further 6.68% share of the total traffic.						

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## SUMMARY

This document reviews the air traffic statistics for 2012 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 3.11.

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## 1. INTRODUCTION

### 1.1. IDENTIFICATION AND SCOPE

This document reviews the air traffic statistics for 2012 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 3.11 [RD1].

BADA 3.11 is a collection of ASCII files, which specifies aircraft performance and operating procedure parameters for 150 different aircraft types (direct models <sup>1</sup>). From these models a further 255 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.

### 1.2. ORGANISATION

This document is presented in three sections. The first section includes a list of referenced documents and a glossary of acronyms.

The coverage statistics are summarised in Section 2 with a conclusion in Section 3.

Appendix A provides the 2012 CFMU Traffic data.

Appendix B provides the BADA 3.11 coverage figures for the models and synonyms.

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<sup>1</sup> In this note only 147 BADA aircraft models will be referred to. The 3 generic fighter models FGTN, 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 3.11 synonym aircraft.

### 1.3. REFERENCED DOCUMENTS

- RD1** User Manual for the Base of Aircraft Data (BADA) Revision 3.11; EEC Technical/Scientific Report No. 13/04/16-01, May 2013
- RD2** ICAO Document 8643, Edition 40, March 2012
- RD3** Coverage of 2011 European Air Traffic for the Base of Aircraft Data (BADA) – Revision 3.10; EEC Technical/Scientific Report No. 12/06/21-55, June 2012

### 1.4. GLOSSARY OF ACRONYMS

<b>APM</b>	Aircraft Performance Model
<b>BADA</b>	Base of Aircraft Data
<b>CFMU</b>	Central Flow Management Unit
<b>EEC</b>	EUROCONTROL Experimental Centre
<b>ICAO</b>	International Civil Aviation Organisation
<b>RD</b>	Reference Document
<b>VIF</b>	Validation Infrastructure

## 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 is 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 (January-December 2012). 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 in Appendix A:

- Aircraft type identifier <sup>2</sup>
- Total number of flights
- Reference to BADA or Synonym type model
- Percentage of flights
- Cumulative percentage of flights.

The following table provides a summary of information for the 2012 statistics.

**Table 1: Traffic Sample Summary Information**

	Sample traffic 12 months (2012)
Total number of flights	9684084
Number of aircraft types in traffic sample	622
Number of aircraft types for 90% coverage	66
Number of aircraft types for 99% coverage	179
Number of aircraft types for 99.90% coverage	298
Number of aircraft types for 99.99% coverage	387

<sup>2</sup> All aircraft types refer to ICAO aircraft designators in force at the time of data retrieval [RD2].

### 3. COMPARISON WITH BADA

Appendix B provides a list of the aircraft types modelled by BADA 3.11 [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 3.11 model types provide **93.17%** coverage. This figure is up by **1.79%** when compared to the previous coverage report of BADA 3.10 in 2011 (**91.38%**) [RD3]. The 147 aircraft types modelled by BADA are not the most important types in the CFMU traffic sample. That is according to the CFMU data, the top 147 aircraft types provide **98.17%** coverage. 3 aircraft models did not appear in the traffic sample (AN38, F28 and DC94).
2. 23 new models have been added to BADA 3.11. 22 of these new models were found in the sample traffic and have provided a further **1.74%** share of the total traffic figures.

Table 2: BADA 3.11 aircraft model additions showing % share of traffic

<b>BADA 3.11</b>	
<b>New Aircraft Models</b>	
<b>AN24</b>	<b>0.016%</b>
<b>AN28</b>	<b>0.013%</b>
<b>AN30</b>	<b>0.005%</b>
<b>AN32</b>	<b>0.004%</b>
<b>A124</b>	<b>0.018%</b>
<b>A140</b>	<b>0.004%</b>
<b>A148</b>	<b>0.044%</b>
<b>C25A</b>	<b>0.268%</b>
<b>C25B</b>	<b>0.182%</b>
<b>C25C</b>	<b>0.020%</b>
<b>C525</b>	<b>0.303%</b>
<b>C680</b>	<b>0.115%</b>
<b>H25B</b>	<b>0.406%</b>
<b>IL76</b>	<b>0.042%</b>
<b>IL86</b>	<b>0.000%</b>
<b>IL96</b>	<b>0.038%</b>
<b>P28T</b>	<b>0.030%</b>
<b>PA44</b>	<b>0.087%</b>
<b>PA46</b>	<b>0.051%</b>
<b>T204</b>	<b>0.059%</b>
<b>YK40</b>	<b>0.012%</b>
<b>YK42</b>	<b>0.020%</b>

3. 1 new synonym TBP type (LNP4) was added to BADA and was found in the traffic sample providing a mere 0.0005%. BADA 3.11 contains 255 synonym aircraft types. The total BADA 3.11 synonym coverage represents **6.68%** of the total traffic sample. The synonym share of the traffic is down when compared to the 8.44% share in the previous coverage report in 2012 [RD3]. This is partially due to the fact that 18 previous synonym types have been removed and remodelled as direct models (A124, AN24, AN28, C25A, C25B, C25C, C525, C680, H25B, IL76, IL86, IL96, P28T, PA44, PA46, T204, YK40, YK42). No synonym types were withdrawn.
4. 52 synonym aircraft were not found among the traffic sample which contains 622 aircraft types. The missing synonyms are composed mainly of ‘aging’ airliner types, military fighter aircraft and recently delivered light piston aircraft.
5. 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 47 helicopter types (1.09%).

BADA 3.11 has achieved the target 90% coverage of aircraft types within the CFMU air traffic.

The addition of the next significant aircraft, not modelled by BADA 3.11 (see Table 3) would have provided an additional 0.68% coverage.

**Table 3: Aircraft not modelled in BADA 3.11 with high traffic share**

Rank Number	Aircraft Code	Name in Full	% Traffic
30 <sup>th</sup>	CRJ7	RJ-700 REGIONAL JET	0.68%

## 4. CONCLUSION

BADA 3.11 currently covers 99.85% of the European air traffic as specified by the EUROCONTROL CFMU. The 147 original BADA aircraft models account for **93.17%**, while 255 synonym aircraft account for **6.68%** of the traffic data. The remaining aircraft types, not covered by BADA, are composed of 229 different aircraft types (0.16%).

The original model coverage is up by 1.79% when compared to the coverage of BADA 3.11 in 2012. The target original model coverage has been met due to the addition of aircraft models which have regularly held a high share in the CFMU data. Despite reaching this target coverage, new aircraft models shall be added subject to the availability of new reference aircraft data.

As a consequence of the increase in model type coverage, the associated synonym types were removed for modelling and the overall synonym coverage fell by 1.76%. In view of the wide-spread operational use of BADA, increased synonym coverage will remain a continual aim for BADA.

**ANNEX A: 2012 CFMU Traffic data**



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RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
1	A320	AIRBUS A-320	1347411	A320		13.91%	13.91%
2	B738	BOEING 737-800	1326263	B738		13.70%	27.61%
3	A319	AIRBUS A-319	962372	A319		9.94%	37.55%
4	A321	AIRBUS A-321	479078	A321		4.95%	42.49%
5	DH8D	DHC-8-400 DASH 8	289346	DH8D		2.99%	45.48%
6	E190	EMBRAER ERJ-190	254165	E190		2.62%	48.11%
7	B737	BOEING 737-700	232927	B737		2.41%	50.51%
8	AT72	ATR-72-200	232469	AT72		2.40%	52.91%
9	B733	BOEING 737-300	220856	B733		2.28%	55.19%
10	B752	BOEING 757-200	148070	B752		1.53%	56.72%
11	CRJ9	CRJ-900 REGIONAL JET	147909	CRJ9		1.53%	58.25%
12	B763	BOEING 767-300	142418	B763		1.47%	59.72%
13	A332	AIRBUS A-330-200	133460	A332		1.38%	61.10%
14	B735	BOEING 737-500	129901	B735		1.34%	62.44%
15	B744	BOEING 747-400 INTL.	127680	B744		1.32%	63.76%
16	B734	BOEING 737-400	123929	B734		1.28%	65.04%
17	E170	EMBRAER ERJ-170	120521	E170		1.24%	66.28%
18	B772	BOEING 777-200	112305	B772		1.16%	67.44%
19	E145	EMBRAER EMB-145	102904	E145		1.06%	68.50%
20	DH8A	DHC-8-100 DASH 8	96536	DH8A		1.00%	69.50%
21	A333	AIRBUS A-330-300	92357	A333		0.95%	70.45%
22	CRJ2	RJ-200 REGIONAL JET	90428	CRJ2		0.93%	71.39%
23	B77W	BOEING 777-300ER	88600	B77W		0.91%	72.30%
24	RJ1H	RJ-100 AVROLINER	82013	RJ1H		0.85%	73.15%
25	F100	FOKKER 100	76577	F100		0.79%	73.94%
26	F70	FOKKER 70	75279	F70		0.78%	74.72%
27	SF34	SF 340	74838	SF34		0.77%	75.49%
28	A343	AIRBUS A-340-300	69506	A343		0.72%	76.21%
29	B736	BOEING 737-600	69385	B736		0.72%	76.93%
30	CRJ7	CRJ-700 REGIONAL JET	66309		CRJ9	0.68%	77.61%
31	MD82	BOEING MD-82	62930	MD82		0.65%	78.26%
32	C56X	CESSNA 560XL	57312	C56X		0.59%	78.85%
33	BE20	BEECH SUPER KING AIR 200	56884	BE20		0.59%	79.44%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
34	AT45	ATR-42-500 SURVEYOR	56684	AT45		0.59%	80.02%
35	S92	SIKORSKY S-92 HELIBUS	49739		HELI	0.51%	80.54%
36	CRJX	CRJ-1000 REGIONAL JET	48217		CRJ9	0.50%	81.04%
37	SB20	SAAB 2000	48004	SB20		0.50%	81.53%
38	F50	FOKKER 50	42741	F50		0.44%	81.97%
39	RJ85	RJ-85 AVROLINER	42304	RJ85		0.44%	82.41%
40	A318	AIRBUS A-318 ELITE	42193	A318		0.44%	82.85%
41	AT75	ATR-72-500	42057	AT75		0.43%	83.28%
42	A346	AIRBUS A-340-600	40111	A346		0.41%	83.69%
43	H25B	HAWKER 850	39305	H25B		0.41%	84.10%
44	AT43	ATR-42-300	37808	AT43		0.39%	84.49%
45	DA42	DIAMOND DA-42	30233	DA42		0.31%	84.80%
46	F2TH	DASSAULT FALCON 2000	29840	F2TH		0.31%	85.11%
47	C525	CESSNA 525 CITATIONJET	29344	C525		0.30%	85.41%
48	MD11	BOEING MD-11	28101	MD11		0.29%	85.70%
49	CL60	CHALLENGER CL600/601	27922	CL60		0.29%	85.99%
50	D328	DORNIER 328	26945	D328		0.28%	86.27%
51	B190	BEECH 1900 (C-12J)	26812		JS32	0.28%	86.55%
52	C25A	CESSNA 525A CJ2	25924	C25A		0.27%	86.81%
53	E135	EMBRAER ERJ-135	25184	E135		0.26%	87.07%
54	JS41	BAE-4100 JETSTREAM41	24891	JS41		0.26%	87.33%
55	DH8C	DHC-8-300 DASH 8	24745	DH8C		0.26%	87.59%
56	ATP	BRITISH AEROSPACE ATP	24555	ATP		0.25%	87.84%
57	B712	BOEING 717-200	23503	B712		0.24%	88.08%
58	GLF5	GULFSTREAM 5	23099		FA7X	0.24%	88.32%
59	C550	CESSNA CITATION II-S2	23085	C550		0.24%	88.56%
60	C510	CESSNA 510 MUSTANG	23013	C510		0.24%	88.80%
61	B77L	BOEING 777-200LR	22933	B77L		0.24%	89.04%
62	F900	DASSAULT FALCON 900	22832	F900		0.24%	89.27%
63	JS32	BAE-3200 SUPER 32	21662	JS32		0.22%	89.49%
64	A388	AIRBUS A-380-800	21514	A388		0.22%	89.72%
65	PC12	PILATUS PC-12	21102		BE9L	0.22%	89.93%
66	PA34	PIPER SENECA	20110	PA34		0.21%	90.14%
67	B762	BOEING 767-200	20014	B762		0.21%	90.35%
68	A306	AIRBUS A-300B4-600	19833	A306		0.20%	90.55%
69	A310	AIRBUS A-310	18024	A310		0.19%	90.74%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
70	C25B	CESSNA 525B CJ3	17668	C25B		0.18%	90.92%
71	GLF4	GULFSTREAM 4	17489		FA7X	0.18%	91.10%
72	B753	BOEING 757-300	17292	B753		0.18%	91.28%
73	B739	BOEING 737-900 BBJ3	17137	B739		0.18%	91.46%
74	A139	AGUSTA AB-139	17054		HELI	0.18%	91.63%
75	C130	C-130 HERCULES	16186	C130		0.17%	91.80%
76	P180	PIAGGIO P 180 AVANTI	15375	P180		0.16%	91.96%
77	SW4	MERLIN 4/METRO	15252	SW4		0.16%	92.12%
78	GLEX	BD-700 GLOBAL EXPRESS	14847		C750	0.15%	92.27%
79	CRJ1	RJ-100 REGIONAL JET	14804	CRJ1		0.15%	92.42%
80	CL30	BD-100 CHALLENGER300	14147		F2TH	0.15%	92.57%
81	SR22	CIRRUS SR-22	14095	SR22		0.15%	92.72%
82	C172	CESSNA 172 SKYHAWK	14020	C172		0.14%	92.86%
83	BE9L	BEECH KING AIR A90-E90	13937	BE9L		0.14%	93.00%
84	TRIS	BRITTEN-NORMAN BN-2A	13892		DA42	0.14%	93.15%
85	TRIN	SOCATA TB-20/21	13737	TRIN		0.14%	93.29%
86	B764	BOEING 767-400	13275	B764		0.14%	93.43%
87	P28A	PA28-140/161/180/181	13182	P28A		0.14%	93.56%
88	L410	LET L-410/420 TURBOLET	12996		D228	0.13%	93.70%
89	B463	BAE-146-300	12945	B463		0.13%	93.83%
90	LJ60	LEARJET 60	12578		LJ45	0.13%	93.96%
91	C17	BOEING C-17	12484		B764	0.13%	94.09%
92	FA7X	DASSAULT FALCON 7X	12103	FA7X		0.12%	94.21%
93	B462	BAE-146-200	12087	B462		0.12%	94.34%
94	LJ35	LEARJET 35/36	11241	LJ35		0.12%	94.46%
95	C680	CESSNA 680 SOVEREIGN	11169	C680		0.12%	94.57%
96	TBM7	SOCATA TBM 700	11147	TBM7		0.12%	94.69%
97	A30B	AIRBUS A-300B2/4	10893	A30B		0.11%	94.80%
98	DA40	DIAMOND DA-40 KATANA	10854		DA42	0.11%	94.91%
99	EC55	EUROCOPTER EC-155	10678		HELI	0.11%	95.02%
100	PRM1	RAYTHEON PREMIER 1	10556		C25A	0.11%	95.13%
101	B350	BEECH SUPER KING AIR 350	10507		BE20	0.11%	95.24%
102	PA31	PIPER CHIEFTAIN	10407	PA31		0.11%	95.35%
103	J328	DORNIER 328 JET ENVOY	9935		E135	0.10%	95.45%
104	DH8B	DHC-8-200 DASH 8	9429		DH8C	0.10%	95.55%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
105	BE58	BEECH BARON 58	9397	BE58		0.10%	95.64%
106	P46T	PIPER MALIBU MERIDIAN	9141		BE9L	0.09%	95.74%
107	LJ45	LEARJET 45	9137	LJ45		0.09%	95.83%
108	EC25	EUROCOPTER EC225/725	8798		HELI	0.09%	95.92%
109	CN35	CASA CN-235	8761		AT43	0.09%	96.01%
110	PA44	PIPER SEMINOLE	8464	PA44		0.09%	96.10%
111	BE40	BEECHJET 400	8444		C25C	0.09%	96.19%
112	JS31	BAE-3100 JETSTREAM31	8268		JS32	0.09%	96.27%
113	E120	EMB-120 BRASILIA	8238	E120		0.09%	96.36%
114	C560	CESSNA CITATION V	7779	C560		0.08%	96.44%
115	C160	TRANSALL C-160	7719	C160		0.08%	96.52%
116	AN26	ANTONOV AN-26 / AN26B	7713		AN30	0.08%	96.60%
117	FA50	DASSAULT FALCON 50	7494	FA50		0.08%	96.67%
118	C182	CESSNA 182 SKYLANE	6992	C182		0.07%	96.75%
119	GL5T	BD-700 GLOBAL 5000	6593		C750	0.07%	96.82%
120	GALX	GULFSTREAM G200	6349		F2TH	0.07%	96.88%
121	D228	DORNIER 228-100/200	6139	D228		0.06%	96.94%
122	P28R	PIPER PA-28R-180/200	6116		DA42	0.06%	97.01%
123	C30J	C-130J HERCULES	5900		C130	0.06%	97.07%
124	E50P	EMBRAER PHENOM 100	5834	E50P		0.06%	97.13%
125	B773	BOEING 777-300	5792	B773		0.06%	97.19%
126	T204	TUPOLEV TU-204	5675	T204		0.06%	97.25%
127	E121	EMBRAER EMB-121 XINGU	5394		PAY2	0.06%	97.30%
128	B748	BOEING 747-8	5354	B748		0.06%	97.36%
129	B742	BOEING 747-200	5286	B742		0.05%	97.41%
130	C650	CESSNA CITATION III	5065		LJ35	0.05%	97.46%
131	PA46	PIPER MALIBU	4891	PA46		0.05%	97.52%
132	C295	CASA C-295	4598		ATP	0.05%	97.56%
133	A345	AIRBUS A-340-500	4585	A345		0.05%	97.61%
134	K35R	BOEING KC-135R/T	4338		B703	0.04%	97.65%
135	A148	ANTONOV AN-148	4293	A148		0.04%	97.70%
136	AS3B	AS-532A2 COUGAR MK2	4275		HELI	0.04%	97.74%
137	MD83	BOEING MD-83	4195	MD83		0.04%	97.79%
138	IL76	IL-76/IL-76M/MD/TD	4104	IL76		0.04%	97.83%
139	C208	CESSNA CARAVAN I	4070		PA27	0.04%	97.87%
140	C27J	ALENIA C-27J SPARTAN	4008		E120	0.04%	97.91%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
141	AN12	ANTONOV AN-12 / AN-12BP	3885		C130	0.04%	97.95%
142	IL96	IL-96	3728	IL96		0.04%	97.99%
143	F16	F-16 FIGHTING FALCON	3704		FGTN	0.04%	98.03%
144	PAY3	PA-42 720 CHEYENNE 3	3504	PAY3		0.04%	98.07%
145	M20P	MOONEY M-20 A-D/J/L/R/S	3491		TRIN	0.04%	98.10%
146	FA10	DASSAULT FALCON 10	3319	FA10		0.03%	98.14%
147	BE76	BEECH DUCHESS 76	3305		C182	0.03%	98.17%
148	AS32	AS-532UC COUGAR	3287		HELI	0.03%	98.20%
149	E55P	EMBRAER PHENOM 300	3263	E55P		0.03%	98.24%
150	SU95	SUKHOI SUPERJET 100-95	3207			0.03%	98.27%
151	M20T	MOONEY M-20 K/M/TN	3169		TRIN	0.03%	98.30%
152	SR20	CIRRUS SR-20	3117		SR22	0.03%	98.34%
153	LJ40	LEARJET 40	3108		LJ45	0.03%	98.37%
154	A3ST	AIRBUS A-300ST BELUGA	3102	A3ST		0.03%	98.40%
155	F27	FOKKER FRIENDSHIP	3024	F27		0.03%	98.43%
156	FA20	DASSAULT FALCON 20	3006	FA20		0.03%	98.46%
157	DHC6	TWIN OTTER	2969		D228	0.03%	98.49%
158	C750	CESSNA 750 CITATION X	2939	C750		0.03%	98.52%
159	P28T	PIPER PA-28RT ARROW	2859	P28T		0.03%	98.55%
160	TBM8	SOCATA TBM 850	2825	TBM8		0.03%	98.58%
161	G150	GULFSTREAM G150	2646		F2TH	0.03%	98.61%
162	PAY2	PA-31-T CHEYENNE 2	2611	PAY2		0.03%	98.64%
163	A342	AIRBUS A-340-200	2567	A342		0.03%	98.66%
164	MD87	BOEING MD-87	2550		MD82	0.03%	98.69%
165	BE36	BEECH BONANZA 36	2435		DA42	0.03%	98.71%
166	ZZZZ	NO ASSIGNED DESIGN	2316			0.02%	98.74%
167	P3	ORION	2231		C130	0.02%	98.76%
168	C5	LOCKHEED C-5 GALAXY	2183		A346	0.02%	98.78%
169	SW3	MERLIN IVC	2157		PAY3	0.02%	98.81%
170	BE33	BEECH BONANZA 33	2102		C182	0.02%	98.83%
171	BE30	BEECH SUPER KING AIR 300	2050		BE20	0.02%	98.85%
172	C25C	CESSNA 525C CJ4	1945	C25C		0.02%	98.87%
173	LJ55	LEARJET 55	1921		LJ45	0.02%	98.89%
174	YK42	YAKOVLEV YAK-42	1906	YK42		0.02%	98.91%
175	C340	CESSNA 340	1885		C421	0.02%	98.93%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
176	F406	REIMS F406 CARAVAN 2	1866		PAY3	0.02%	98.95%
177	TOBA	SOCATA TB-10/200 TOBAGO	1824		C172	0.02%	98.97%
178	P68	PARTENAVIA VICTOR	1789		PA27	0.02%	98.98%
179	C501	CESSNA CITATION 1SP	1737		C550	0.02%	99.00%
180	PA30	PIPER TWIN COMANCHE	1729		TRIN	0.02%	99.02%
<b>181</b>	<b>A124</b>	<b>ANTONOV AN-124 RUSLAN</b>	<b>1705</b>	<b>A124</b>		<b>0.02%</b>	<b>99.04%</b>
182	C210	CENTURION/II	1673		SR22	0.02%	99.05%
183	C425	CORSAIR/CONQUEST	1662		TBM8	0.02%	99.07%
<b>184</b>	<b>B743</b>	<b>BOEING 747-300</b>	<b>1637</b>	<b>B743</b>		<b>0.02%</b>	<b>99.09%</b>
185	BE55	BEECH BARON 55 COCHISE	1632		PA34	0.02%	99.11%
186	EC35	EUROCOPTER EC-135	1603		HELI	0.02%	99.12%
187	C500	CESSNA CITATION I	1594		C550	0.02%	99.14%
188	S76	SIKORSKY S-76/H-76	1574		HELI	0.02%	99.16%
<b>189</b>	<b>AN24</b>	<b>ANTONOV AN-24</b>	<b>1530</b>	<b>AN24</b>		<b>0.02%</b>	<b>99.17%</b>
190	LJ31	LEARJET 31	1514		LJ45	0.02%	99.19%
<b>191</b>	<b>DC10</b>	<b>DC-10 ALL SERIES</b>	<b>1501</b>	<b>DC10</b>		<b>0.02%</b>	<b>99.20%</b>
192	P06T	TECNAM P-2006T	1477			0.02%	99.22%
193	PUMA	AEROSP. SA-330 PUMA	1398		HELI	0.01%	99.23%
194	AT76	ATR-72-600	1386		AT75	0.01%	99.25%
195	AS65	AS-365 DAUPHIN 2	1355		HELI	0.01%	99.26%
196	PA32	PIPER SARATOGA	1319		PA44	0.01%	99.27%
<b>197</b>	<b>B788</b>	<b>BOING 787-8 DREAMLINER</b>	<b>1312</b>	<b>B788</b>		<b>0.01%</b>	<b>99.29%</b>
<b>198</b>	<b>AN28</b>	<b>ANTONOV AN-28</b>	<b>1296</b>	<b>AN28</b>		<b>0.01%</b>	<b>99.30%</b>
199	GLF3	GULFSTREAM 3	1285		FA7X	0.01%	99.31%
<b>200</b>	<b>T154</b>	<b>TUPOLEV TU-154</b>	<b>1284</b>	<b>T154</b>		<b>0.01%</b>	<b>99.33%</b>
201	C551	CESSNA CITATION 2SP	1214		C550	0.01%	99.34%
202	C310	CESSNA 310/T310	1213		PA34	0.01%	99.35%
<b>203</b>	<b>YK40</b>	<b>YAKOVLEV YAK-40</b>	<b>1206</b>	<b>YK40</b>		<b>0.01%</b>	<b>99.36%</b>
<b>204</b>	<b>EA50</b>	<b>ECLIPSE 500</b>	<b>1179</b>	<b>EA50</b>		<b>0.01%</b>	<b>99.38%</b>
205	PAY1	PA-31-T CHEYENNE 1	1108		PAY2	0.01%	99.39%
206	F4	PHANTOM II/F4EJ/MDC	1096		FGTN	0.01%	99.40%
<b>207</b>	<b>L101</b>	<b>TRI-STAR, ALL SERIES</b>	<b>1077</b>	<b>L101</b>		<b>0.01%</b>	<b>99.41%</b>
<b>208</b>	<b>C421</b>	<b>GOLDEN EAGLE 421</b>	<b>1027</b>	<b>C421</b>		<b>0.01%</b>	<b>99.42%</b>
209	A109	A109 /109A /109A II	997		HELI	0.01%	99.43%
210	COL4	LANCAIR COLUMBIA 400	989		TRIN	0.01%	99.44%
211	C10T	CESSNA TURBINE P210	972		D228	0.01%	99.45%

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212	G120	GROB G-120	951		SR22	0.01%	99.46%
213	AS55	AS-355 ECUREUIL 2	921		HELI	0.01%	99.47%
214	HA4T	HAWKER 4000	827		F2TH	0.01%	99.48%
215	EC45	EUROCOPTER EC-145	810		HELI	0.01%	99.49%
216	AC90	JETPROP COMMANDER	797		PAY3	0.01%	99.50%
217	C206	CESSNA STATIONER 6	796		SR22	0.01%	99.50%
218	P32R	PIPER PA-32R SARATOGA 2	775		C182	0.01%	99.51%
219	L188	LOCKHEED ELECTRA	769		C160	0.01%	99.52%
220	ASTR	GULFSTREAM G100	767		FA10	0.01%	99.53%
221	H25C	HAWKER 1000	762		H25B	0.01%	99.54%
222	C303	CRUSADER 303	755		PA31	0.01%	99.54%
<b>223</b>	<b>B722</b>	<b>BOEING 727-200</b>	<b>751</b>	<b>B722</b>		<b>0.01%</b>	<b>99.55%</b>
<b>224</b>	<b>SH36</b>	<b>SHORT 360</b>	<b>733</b>	<b>SH36</b>		<b>0.01%</b>	<b>99.56%</b>
225	C441	CONQUEST II-441	728		PAY3	0.01%	99.57%
226	SW2	MERLIN IIA/B	711		SW4	0.01%	99.57%
227	C414	CHANCELLOR 414	706		PA31	0.01%	99.58%
228	EUFI	EUROFIGHTER 2000	693		FGTN	0.01%	99.59%
229	ATLA	ATLANTIC 1150	692		E120	0.01%	99.60%
230	TB30	SOCATA TB-30 EPSILON	685		PA27	0.01%	99.60%
231	AC11	COMMANDER 112/114	677		SR22	0.01%	99.61%
<b>232</b>	<b>MU2</b>	<b>MITSUBISHI MU-2</b>	<b>653</b>	<b>MU2</b>		<b>0.01%</b>	<b>99.62%</b>
233	F260	AERMACCHI T-260	646		BE58	0.01%	99.62%
234	P210	CESSNA P210	644		BE58	0.01%	99.63%
235	C72R	CESSNA 172RG CUTLASS	627		SR22	0.01%	99.64%
235	B06	BELL 206A/B/L/406/TH	627		HELI	0.01%	99.64%
237	CL2T	CANADAIR CL215T	621		SH36	0.01%	99.65%
238	E3TF	BOEING E-3A (TF33)	620		B762	0.01%	99.66%
239	C82R	CESSNA R182/TR182	613		C182	0.01%	99.66%
240	DC93	DOUGLAS DC-9-30	611		DC94	0.01%	99.67%
241	PC6T	PILATUS PC-6A/B/C	603		D228	0.01%	99.67%
242	BN2T	BN-2T TURBINE ISLAND	602		E120	0.01%	99.68%
243	BE9T	BEECH KING AIR F90	594		BE9L	0.01%	99.69%
244	B461	BAE-146-100	585		B462	0.01%	99.69%
245	BE35	BEECH BONANZA 35	584			0.01%	99.70%
246	B74S	BOEING 747SP	542		B742	0.01%	99.70%



RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
247	TOR	PANAVIA TORNADO	517		FGTN	0.01%	99.71%
248	M339	AERMACCHI MB-339	510			0.01%	99.72%
249	B412	AGUSTA AB-412	495		HELI	0.01%	99.72%
250	F18	FA-18 HORNET	478		FGTN	0.00%	99.73%
<b>251</b>	<b>AN30</b>	<b>ANTONOV AN-30</b>	<b>471</b>	<b>AN30</b>		<b>0.00%</b>	<b>99.73%</b>
252	GA7	COUGAR GA-7	466		SR22	0.00%	99.73%
<b>253</b>	<b>AT73</b>	<b>ATR-72-210</b>	<b>459</b>	<b>AT73</b>		<b>0.00%</b>	<b>99.74%</b>
254	PC7	PILATUS PC-7 TURBO	458			0.00%	99.74%
255	BN2P	BRITTEN-NORMAN BN-2A/B	455		PA34	0.00%	99.75%
256	A400	AIRBUS A-400M	443		A3ST	0.00%	99.75%
257	SB39	SAAB 39 GRIPEN	438		FGTN	0.00%	99.76%
258	F5	AIDC F-5 CHUNG-CHENG	424		FGTN	0.00%	99.76%
259	M28	PZL-MIELEC SKYTRUCK	419			0.00%	99.77%
260	BE60	BEECH DUKE 60	414		C421	0.00%	99.77%
261	C212	CASA C-212 AVIOCAR	407		D228	0.00%	99.78%
262	MIR2	MIRAGE 2000	403		FGTN	0.00%	99.78%
262	AN72	ANTONOV AN-72	403		F28	0.00%	99.78%
264	U2	U-2/TR-1	401			0.00%	99.79%
<b>265</b>	<b>AN32</b>	<b>ANTONOV AN-32</b>	<b>396</b>	<b>AN32</b>		<b>0.00%</b>	<b>99.79%</b>
266	T6	T-6 TEXAN	392			0.00%	99.80%
266	C404	TITAN 404	392		BE58	0.00%	99.80%
268	MD88	BOEING MD-88	391		MD82	0.00%	99.80%
269	PAY4	PA-42 CHEYENNE 400	390		P180	0.00%	99.81%
270	AEST	TED SMITH AEROSTAR	377		MU2	0.00%	99.81%
<b>271</b>	<b>A140</b>	<b>ANTONOV AN-140</b>	<b>369</b>	<b>A140</b>		<b>0.00%</b>	<b>99.82%</b>
<b>272</b>	<b>B703</b>	<b>BOEING 707-300</b>	<b>362</b>	<b>B703</b>		<b>0.00%</b>	<b>99.82%</b>
273	HAWK	HAWK MK-1 50/60	355		FGTN	0.00%	99.82%
273	AJET	ALPHAJET	355		FGTN	0.00%	99.83%
275	AA5	CHEETAH AA-5/A/B	354		P28A	0.00%	99.83%
276	P28B	PA28-201/235/236	341		SR22	0.00%	99.83%
<b>277</b>	<b>PA27</b>	<b>PIPER PA-23-235/250</b>	<b>339</b>	<b>PA27</b>		<b>0.00%</b>	<b>99.84%</b>
278	H60	SIKORSKY S-70	337		HELI	0.00%	99.84%
279	PC9	PILATUS PC-9	333		BE9L	0.00%	99.84%
280	PA23	PIPER APACHE	320		PA27	0.00%	99.85%
281	DR40	ROBIN DR 400/2+2	312		PA44	0.00%	99.85%
282	C337	SUPER SKYMASTER 337	306		PA27	0.00%	99.85%

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<b>283</b>	<b>T134</b>	<b>TUPOLEV TU-134</b>	<b>304</b>	<b>T134</b>		<b>0.00%</b>	<b>99.86%</b>
284	C402	CESSNA 402	298		PA34	0.00%	99.86%
285	C77R	CESSNA 177RG CARDINA	296		P28A	0.00%	99.86%
286	P66T	PIAGGIO P-166DL3	266			0.00%	99.87%
<b>287</b>	<b>B732</b>	<b>BOEING 737-200</b>	<b>257</b>	<b>B732</b>		<b>0.00%</b>	<b>99.87%</b>
288	GLF2	G-1159 GULFSTREAM1/2	253		FA7X	0.00%	99.87%
289	BE10	BEECH KING AIR 100	250		D228	0.00%	99.87%
<b>289</b>	<b>DC87</b>	<b>DOUGLAS DC-8-70</b>	<b>250</b>	<b>DC87</b>		<b>0.00%</b>	<b>99.88%</b>
289	C177	CARDINAL 177	250		C172	0.00%	99.88%
289	E3CF	BOEING E-3A (CFM56)	250		B762	0.00%	99.88%
293	MI8	MIL MI-8	243		HELI	0.00%	99.88%
294	BE95	BEECH TRAVELAIR 95	242		TRIN	0.00%	99.89%
295	L200	LET L-200 MORAVA	234			0.00%	99.89%
296	SBR1	NORTH AMERICAN NA-26	231		FA10	0.00%	99.89%
297	C101	CASA C-101 AVIOJET	230			0.00%	99.89%
298	L39	AERO (2) L-39/59/139	220			0.00%	99.90%
299	MF17	SAAB MFI-15/17 SAFAR	213			0.00%	99.90%
300	S61	HELIPRO S-61 SHORTSKY	211		HELI	0.00%	99.90%
301	IL62	IL-62/IL-62M/MK	209		A30B	0.00%	99.90%
302	NH90	NHI NH-90	199		HELI	0.00%	99.90%
303	RF6	FOURNIER RF-6	198			0.00%	99.91%
304	C135	BOEING C-135B	195		B703	0.00%	99.91%
304	E400	EXTRA 400	195			0.00%	99.91%
306	R90R	RUSCHMEYER R-90-230R	192			0.00%	99.91%
307	EH10	EHI EH-101/MERLIN/HE	190		HELI	0.00%	99.91%
308	PA24	PIPER COMANCHE	188			0.00%	99.92%
309	MG29	MIKOYAN MIG-29/33/BA	186		FGTN	0.00%	99.92%
<b>309</b>	<b>BE99</b>	<b>BEECH AIRLINER 99</b>	<b>186</b>	<b>BE99</b>		<b>0.00%</b>	<b>99.92%</b>
311	G280	GULFSTREAM G280	176		F2TH	0.00%	99.92%
312	VC10	VC10-1100	173		B762	0.00%	99.92%
313	P32T	PIPER PA-32RT LANCE 2	167		TRIN	0.00%	99.93%
314	S65C	AEROSPATIALE SA-365C	163		HELI	0.00%	99.93%
315	COL3	LANCAIR LC-40	153			0.00%	99.93%
316	AC95	695 JETPROP COMMANDER	149		PAY3	0.00%	99.93%
317	Z43	ZLIN Z-43/143	142			0.00%	99.93%

<b>RANK</b>	<b>ICAO ID</b>	<b>FULL NAME</b>	<b>TOTAL TRAFFIC</b>	<b>BADA MODEL</b>	<b>BADA SYNONYM</b>	<b>%TOTAL TRAFFIC</b>	<b>%ACCUM.</b>
318	R722	B727-200RE SUPER 27	137		B722	0.00%	99.93%
319	AT44	ATR-42-400	136		AT45	0.00%	99.93%
319	PC21	PILATUS PC-21	136			0.00%	99.94%
321	SB05	SAAB 105	133		C550	0.00%	99.94%
322	C2	GREYHOUND	131			0.00%	99.94%
323	TAMP	SOCATA TB-9 TAMPICO	125			0.00%	99.94%
323	RJ70	RJ-70 AVROLINER	125		RJ85	0.00%	99.94%
325	B721	BOEING 727-100	124		B752	0.00%	99.94%
326	F15	EAGLE/F15J/MDC	117		FGTN	0.00%	99.94%
326	S2T	CONAIR TURBO FIRECAT	117			0.00%	99.95%
328	MU30	MITSUBISHI MU-300	110		C560	0.00%	99.95%
329	TUCA	AOI EMB-312 TUCANO	109		BE9L	0.00%	99.95%
330	CE43	CERVA CE-43 GUEPARD	107		SR22	0.00%	99.95%
331	B36T	BONANZA 36 TURBINE	104			0.00%	99.95%
332	BE23	SUNDOWNER 2/MUSKET23	102			0.00%	99.95%
333	PINO	GENERAL AVIA PINGUINO	101			0.00%	99.95%
334	E500	EXTRA 500	100			0.00%	99.95%
334	DC3T	BASLER TURBO 67	100			0.00%	99.95%
336	XL2	LIBERTY XL-2	96			0.00%	99.95%
336	G222	FIAT G-222	96		ATP	0.00%	99.96%
338	B212	AGUSTA AB-212	94		HELI	0.00%	99.96%
339	MD90	BOEING MD-90	90		MD83	0.00%	99.96%
340	RFAL	DASSAULT RAFALE	87		FGTN	0.00%	99.96%
341	BK17	MBB-KAWASAKI BK-117	85		HELI	0.00%	99.96%
342	TBM	GRUMMAN TBF AVENGER	82			0.00%	99.96%
343	PZ3T	PZL-OKECIE PZL-130	78			0.00%	99.96%
344	AT8T	AIR TRACTOR AT-802	77			0.00%	99.96%
344	LYNX	WESTLAND LYNX/SUPER	77		HELI	0.00%	99.96%
346	HAR	HARRIER, ALL MARKS	76		FGTN	0.00%	99.96%
347	A7	CORSAIR II	75		FGTN	0.00%	99.96%
347	LNC4	LANCAIR 4	75			0.00%	99.97%
349	P68T	PARTENAVIA AP-68TP-3	73		D228	0.00%	99.97%
349	A10	FAIRCHILD (1) A-10/O	73		FGTN	0.00%	99.97%
351	DC3	DC-3/DAKOTA/SKYTRAIN	70		C421	0.00%	99.97%
352	DC86	DOUGLAS DC-8-60	69		DC87	0.00%	99.97%
352	L159	AERO L-159 ALBATROSS	69		FGTN	0.00%	99.97%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
354	E2	HAWKEYE	68		E120	0.00%	99.97%
355	EXPL	BOEING MD-902 EXPLORER	66		HELI	0.00%	99.97%
356	Y130	YAKOVLEV YAK-130	64			0.00%	99.97%
356	MD81	BOEING MD-81	64		MD82	0.00%	99.97%
358	H47	VERTOL MH-47 CHINOOK	63		HELI	0.00%	99.97%
359	BE24	BEECH SIERRA 24	60			0.00%	99.97%
360	T38	NORTHROP TALON	59			0.00%	99.97%
361	AMX	AMX A-1	55		FGTN	0.00%	99.97%
362	A743	ANTONOV AN-74-300	53			0.00%	99.97%
362	B741	BOEING 747-100	53		B743	0.00%	99.98%
364	EVOT	LANCAIR EVOLUTION TURB.	52			0.00%	99.98%
365	KODI	QUEST KODIAK	51			0.00%	99.98%
365	C150	CESSNA 150	51			0.00%	99.98%
367	LNP4	LANCAIR PROPJET 4	49		TBM8	0.00%	99.98%
368	B105	BOLKOW BO-105	47		HELI	0.00%	99.98%
368	Z42	ZLIN Z-42/142/242	47			0.00%	99.98%
370	WW24	IAI WESTWIND	46		FA10	0.00%	99.98%
371	OSCR	PARTENAVIA P-64/66	45			0.00%	99.98%
372	L29B	LOCKHEED L-1329 JETS	43		CL60	0.00%	99.98%
373	TEX2	RAYTHEON T-6	42		TBM7	0.00%	99.98%
373	C526	CESSNA 526 CITATIONJET	42		E50P	0.00%	99.98%
375	E110	BANDEIRANTE EMB-110	40		SW4	0.00%	99.98%
376	ETAR	ETENDARD IV	39		FGTN	0.00%	99.98%
377	IL18	IL-18	37		C130	0.00%	99.98%
378	R721	B727-100RE SUPER 27	36			0.00%	99.98%
378	B230	BELL 230	36		HELI	0.00%	99.98%
378	M7	MAULE M-7-235/MT-7/M	36			0.00%	99.98%
381	BE19	BEECH SPORT 19	34			0.00%	99.98%
381	DHC7	DHC-7 DASH 7	34			0.00%	99.98%
383	C185	SKYWAGON 185	33			0.00%	99.98%
384	C180	SKYWAGON 180	32			0.00%	99.98%
384	AS50	AS-350 ECUREUIL	32		HELI	0.00%	99.98%
386	C335	CESSNA 335	31			0.00%	99.98%
387	B1	LANCER	30		FGTL	0.00%	99.99%
387	SC7	SHORT SC-7 SKYVAN	30			0.00%	99.99%

<b>RANK</b>	<b>ICAO ID</b>	<b>FULL NAME</b>	<b>TOTAL TRAFFIC</b>	<b>BADA MODEL</b>	<b>BADA SYNONYM</b>	<b>%TOTAL TRAFFIC</b>	<b>%ACCUM.</b>
387	C152	CESSNA 152	30			0.00%	99.99%
387	RANG	NAVION RANGEMASTER	30			0.00%	99.99%
391	MI26	MIL MI-26	28		HELI	0.00%	99.99%
391	AC68	SUPER COMMANDER 680S	28			0.00%	99.99%
391	W3	PZL-SWIDNIK W-3 SOKO	28		HELI	0.00%	99.99%
394	UH1	AGUSTA AB-204/205	26		HELI	0.00%	99.99%
394	PA38	PIPER TOMAHAWK	26			0.00%	99.99%
396	S208	SIAI-MARCHETTI S-208	25			0.00%	99.99%
396	FBA2	FOUND EXPEDITION E350	25			0.00%	99.99%
398	CL2P	CANADAIR CL-215	24			0.00%	99.99%
398	B430	BELL 430	24		HELI	0.00%	99.99%
400	LNC2	NEICO LANCAIR 200/23	23			0.00%	99.99%
400	B52	BOEING STRATOFORTRESS	23		FGTL	0.00%	99.99%
402	P750	PACIFIC AEROSPACE 750XL	22			0.00%	99.99%
402	AN22	AN-22 ANTHEUS	22			0.00%	99.99%
404	F1	MITSUBISHI F-1	21		FGTN	0.00%	99.99%
405	S330	SCHWEIZER 330	20		HELI	0.00%	99.99%
406	HR10	HR 100/200, 100/200B	19		TRIN	0.00%	99.99%
406	E6	BOEING E-6 MERCURY	19			0.00%	99.99%
408	GLAS	GLASAIR	18		BE58	0.00%	99.99%
408	A225	ANTONOV AN-225 MRIYA	18			0.00%	99.99%
408	DV20	DIAMOND DA/DV-20 KATANA	18			0.00%	99.99%
408	A1	SKYRAIDER	18			0.00%	99.99%
412	STAR	BEECH 2000 STARSHIP	17			0.00%	99.99%
412	RALL	MORANE-SAULNIER MS-8	17			0.00%	99.99%
412	P149	PIAGGIO P-149	17			0.00%	99.99%
415	S601	SN 601 CORVETTE	16		C525	0.00%	99.99%
415	LA25	LAKE LA-250-270	16			0.00%	99.99%
415	C207	CESSNA STATIONAIR 7/8	16			0.00%	99.99%
415	DC6	DC-6/B LIFTMASTER	16			0.00%	99.99%
415	E314	EMB-312H/314	16			0.00%	99.99%
420	AN2	ANTONOV AN-2	14			0.00%	99.99%
420	AC80	680 TURBO COMMANDER	14			0.00%	99.99%
422	TJJJ	IFPS TURBO JET	13			0.00%	99.99%
422	M200	MEYERS 200	13			0.00%	99.99%
422	TIGR	EUROCOPTER TIGRE/TIGER	13		HELI	0.00%	99.99%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
425	V22	BELL-BOEING V-22 OSP	12			0.00%	99.99%
425	WA42	WASSMER 421/235	12			0.00%	99.99%
425	SC01	SC-01 SPEED CANARD	12			0.00%	99.99%
425	SX30	SWEARINGEN SX-300	12			0.00%	99.99%
425	LJ24	LEAR JET 24	12		C25A	0.00%	99.99%
425	K35E	BOEING KC-135D/E	12		B703	0.00%	99.99%
425	RF4	FOURNIER RF-4	12			0.00%	99.99%
425	M22	MOONEY M-22/MUSTANG	12			0.00%	99.99%
425	SU17	SUKHOI SU-17/20/22	12			0.00%	99.99%
434	A6	INTRUDER	11		FGTN	0.00%	99.99%
434	GA8	GIPPSLAND GA-8 AIRVA	11			0.00%	99.99%
434	IR23	ICA IAR-823	11			0.00%	99.99%
434	MRF1	DASSAULT MIRAGE F1	11		FGTN	0.00%	99.99%
438	S05R	SIAM-MARCHETTI S-205	10			0.00%	99.99%
438	MI24	MIL MI-24/25/35	10		HELI	0.00%	99.99%
438	SU24	SUKHOI SU-24	10			0.00%	99.99%
438	SU25	SUKHOI SU-25/28	10			0.00%	99.99%
438	G250	GULFSTREAM G250	10		F2TH	0.00%	100.00%
443	LEG2	LANCAIR LEGACY 2000	9			0.00%	100.00%
443	KA27	KAMOV KA-27/28/29/31	9		HELI	0.00%	100.00%
443	B429	BELL 429 GLOBAL RANGER	9		HELI	0.00%	100.00%
443	R44	ROBINSON R-44 ASTRO	9		HELI	0.00%	100.00%
443	JU52	JUNKERS JU 52/3M	9			0.00%	100.00%
443	DA2	DAVIS DA-2	9			0.00%	100.00%
443	KT1	DAEWOO KT-1,KTX-1	9			0.00%	100.00%
450	B222	BELL 222	8		HELI	0.00%	100.00%
450	TS11	PZL-MIELEC TS-11 ISK	8			0.00%	100.00%
450	WB57	MARTIN WB-57 (272)	8			0.00%	100.00%
453	F22	LOCKHEED FA-22	7			0.00%	100.00%
453	R200	R 2160 ALPHA 160	7			0.00%	100.00%
453	H53	SIKORSKY S-65	7		HELI	0.00%	100.00%
453	CL41	CANADAIR CL-41 TUTOR	7			0.00%	100.00%
453	GOLF	TECNAM P-96 GOLF	7			0.00%	100.00%
453	VTOR	AP-68TP-600 VIATOR	7			0.00%	100.00%
453	BE77	BEECH SKIPPER 77	7			0.00%	100.00%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
453	LJ25	LEAR JET 25	7		LJ45	0.00%	100.00%
453	MI14	MIL MI-14	7		HELI	0.00%	100.00%
462	DO28	DORNIER DO-28 A/B	5			0.00%	100.00%
462	HR20	HR 200/100, 200/100S	5			0.00%	100.00%
462	DOVE	DE HAVILLAND DH-104	5			0.00%	100.00%
462	D250	CENTRE EST DR-200/25	5			0.00%	100.00%
462	SH33	SHORT 330	5		SH36	0.00%	100.00%
462	ST10	SOCATA ST-10 DIPLOMATE	5			0.00%	100.00%
462	D28T	DORNIER DO-28D-6/128	5			0.00%	100.00%
462	C06T	SOLOY TURBINE 206	5			0.00%	100.00%
470	DC91	DOUGLAS DC-9-10	4		B712	0.00%	100.00%
<b>470</b>	<b>H25A</b>	<b>DE HAVILLAND DH-125</b>	<b>4</b>	<b>H25A</b>		<b>0.00%</b>	<b>100.00%</b>
470	A4	DOUGLAS A-4 SKYHAWK	4		FGTN	0.00%	100.00%
470	A748	AVRO 748 (C-91)	4		ATP	0.00%	100.00%
470	T2	BUCKEYE	4			0.00%	100.00%
470	T37	CESSNA 318	4			0.00%	100.00%
470	TBEE	UC-1 TWIN BEE	4			0.00%	100.00%
470	BE56	BEECH TURBO BARON 56	4			0.00%	100.00%
470	BER2	BERIEV BE-200	4			0.00%	100.00%
470	SB29	SAAB 29 (J29)	4			0.00%	100.00%
470	D253	CENTRE EST DR-253 RE	4			0.00%	100.00%
470	BL17	BELLANCA 17 VIKING/S	4			0.00%	100.00%
470	PA36	PIPER PAWNEE BRAVE	4			0.00%	100.00%
470	GSPN	GROB SPN UTILITY JET	4			0.00%	100.00%
470	SIRA	TECNAM P-2002 SIERRA	4			0.00%	100.00%
470	HUNT	HAWKER HUNTER	4			0.00%	100.00%
470	SS2T	AYRES S-2R-T11/T15/T	4			0.00%	100.00%
470	Y18T	YAKOVLEV YAK-18T	4			0.00%	100.00%
470	CE22	HYDROP CHE-22 PELICAN	4			0.00%	100.00%
489	CH30	ZENAIR CH-300 TRI-ZE	3			0.00%	100.00%
489	PA22	PIPER COLT	3			0.00%	100.00%
489	BE18	BEECH 18	3			0.00%	100.00%
489	T33	SHOOTING STAR	3			0.00%	100.00%
489	A270	AERO (2) AE-270 IBIS	3			0.00%	100.00%
489	M17	MYASISHCHEV M-17 STR	3			0.00%	100.00%
489	WT9	AEROSPOOL DYNAMIC	3			0.00%	100.00%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
489	T4	KAWASAKI T-4	3			0.00%	100.00%
489	S05F	SIAI-MARCHETTI S-205	3			0.00%	100.00%
489	SEEE	IFPS SINGLE ENGINE	3			0.00%	100.00%
489	R22	ROBINSON R-22	3		HELI	0.00%	100.00%
489	SU27	HINDUSTAN SU-30	3			0.00%	100.00%
489	M26	PZL-MIELEC M-26 ISKI	3			0.00%	100.00%
489	RV10	VAN RV-10	3			0.00%	100.00%
489	DH83	DE HAVILLAND DH-83 F	3			0.00%	100.00%
489	EC75	EUROCOPTER-HARBIN Z-15	3		HELI	0.00%	100.00%
489	PNR2	ALPI PIONEER 200/230	3			0.00%	100.00%
489	P38	LOCKHEED P-38/F-5 LI	3			0.00%	100.00%
489	SB37	SAAB 37 VIGGEN	3		FGTN	0.00%	100.00%
489	PA18	PIPER SUPER CUB	3		PA34	0.00%	100.00%
489	K35A	BOEING KC-135A	3		B703	0.00%	100.00%
489	GLF6	GULFSTREAM G650	3		FA7X	0.00%	100.00%
489	TPPP	IFPS TURBO PROP	3			0.00%	100.00%
512	B701	BOEING 707-100	2		B752	0.00%	100.00%
512	B731	BOEING 737-100	2		T134	0.00%	100.00%
512	BE65	BEECH QUEEN AIR 65/70	2		PA34	0.00%	100.00%
512	DC95	DOUGLAS DC-9-50	2		DC94	0.00%	100.00%
512	GLST	GLASTAR	2		TRIN	0.00%	100.00%
<b>512</b>	<b>IL86</b>	<b>IL-86</b>	<b>2</b>	<b>IL86</b>		<b>0.00%</b>	<b>100.00%</b>
512	M2	KUBICEK SCOUT	2		P28A	0.00%	100.00%
512	MG21	MIKOYAN MIG-21	2		FGTN	0.00%	100.00%
512	SB91	SAAB 91 SAFIR	2			0.00%	100.00%
512	GC1	SWIFT	2			0.00%	100.00%
512	M18	PZL-MIELEC M-18 DROM	2			0.00%	100.00%
512	ZERO	MITSUBISHI A6M ZERO	2			0.00%	100.00%
512	GA20	GIPPSLAND GA-200 FAT	2			0.00%	100.00%
512	BUCA	BUCCANEER	2			0.00%	100.00%
512	SA50	STOLP SA-500 STARLET	2			0.00%	100.00%
512	CD2	CL. DORNIER SEASTAR	2			0.00%	100.00%
512	IL38	ILYUSHIN IL-38	2			0.00%	100.00%
512	C175	SKYLARK 175	2			0.00%	100.00%
512	SOL1	SOLAR IMPULSE	2			0.00%	100.00%



<b>RANK</b>	<b>ICAO ID</b>	<b>FULL NAME</b>	<b>TOTAL TRAFFIC</b>	<b>BADA MODEL</b>	<b>BADA SYNONYM</b>	<b>%TOTAL TRAFFIC</b>	<b>%ACCUM.</b>
512	DR10	DR 100,105,1050,1051	2			0.00%	100.00%
512	LNCE	LANCAIR ES/L	2			0.00%	100.00%
512	LA4	LAKE LA-4/200/BUCCAN	2			0.00%	100.00%
512	B2	NORTHROP B-2 SPIRIT	2			0.00%	100.00%
512	AT5T	AIR TRACTOR AT-502/5	2			0.00%	100.00%
512	A33	AEROPRACT A-33	2			0.00%	100.00%
512	C320	SKYRIGHT 320	2			0.00%	100.00%
512	COAR	CORBA ARROW	2			0.00%	100.00%
512	L29	AERO (2) L-29 DELFIN	2			0.00%	100.00%
512	PA20	PIPER PACER	2			0.00%	100.00%
512	PZ6T	PZL-OKECIE PZL-106AT	2			0.00%	100.00%
512	F8L	FALCO	2			0.00%	100.00%
512	AN70	ANTONOV AN-70	2			0.00%	100.00%
512	A50	BERIEV A-50	2			0.00%	100.00%
512	M6	MAULE M-6 SUPER ROCK	2			0.00%	100.00%
546	A37	DRAGONFLY 318E	1			0.00%	100.00%
546	F111	GRUMMAN EF-111 RAVEN	1			0.00%	100.00%
546	IMPU	IMPULSE IMPULSE	1			0.00%	100.00%
546	SA30	STOLP SA-300 STARDUS	1			0.00%	100.00%
546	ATL	ROBIN ATL	1			0.00%	100.00%
546	P208	TECNAM P-2008	1			0.00%	100.00%
546	G3	REMOS G-3 MIRAGE	1			0.00%	100.00%
546	G200	AKROTECH G-200	1			0.00%	100.00%
546	VAMP	DE HAVILLAND DH-100	1			0.00%	100.00%
546	SK70	STARKRAFT SK-700	1			0.00%	100.00%
546	EC20	EUROCOPTER EC-120	1		HELI	0.00%	100.00%
546	MIRA	ATLAS CHEETAH	1			0.00%	100.00%
546	IR99	CRAIOVA IAR-99 SOIM	1			0.00%	100.00%
546	P66P	PIAGGIO P-166/P-166A	1			0.00%	100.00%
546	R100	ROBIN R-1180 AIGLON	1			0.00%	100.00%
546	DH87	DE HAVILLAND DH-87	1			0.00%	100.00%
546	BE17	BEECH STAGGERWING 17	1			0.00%	100.00%
546	EVOP	LANCAIR EVOLUTION PISTON	1			0.00%	100.00%
546	RV9	VAN'S RV-9	1			0.00%	100.00%
546	R300	ROBIN R-3000	1			0.00%	100.00%
546	BL8	BELLANCA 8 DECATHLON	1			0.00%	100.00%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
546	DA5	DAVIS DA-5	1			0.00%	100.00%
546	PZ06	PZL-OKECIE PZL-106A/	1			0.00%	100.00%
546	TRIM	FORD 5 AT TRI-MOTOR	1			0.00%	100.00%
546	MEEE	IFPS MULTI ENGINE	1			0.00%	100.00%
546	GNAT	FOLLAND FO-144 GNAT	1			0.00%	100.00%
546	PC6P	PILATUS PC-6 PORTER	1			0.00%	100.00%
546	G109	GROB G-109/RANGER	1			0.00%	100.00%
546	C205	SUPER SKYWAGON	1			0.00%	100.00%
546	B60	BOISAVIA B-60/B-601	1			0.00%	100.00%
546	H40	HOFFMANN H-40	1			0.00%	100.00%
546	G115	GROB G-115A/B/C/D/BA	1			0.00%	100.00%
546	S210	CARAVELLE	1			0.00%	100.00%
546	RV8	VAN'S RV-8	1			0.00%	100.00%
546	MC90	MONOCOUCPE 90	1			0.00%	100.00%
546	VF14	VFW 614	1			0.00%	100.00%
546	GY80	GARDAN GY-80 HORIZON	1			0.00%	100.00%
546	BRAV	TECNAM P-2004 BRAVO	1			0.00%	100.00%
546	T1	FUJI T-1 (T1F)	1			0.00%	100.00%
546	TU95	TUPOLEV TU-95/142	1			0.00%	100.00%
546	<i>H269</i>	<i>BREDANARDI NH-300</i>	<i>1</i>		<i>HELI</i>	<i>0.00%</i>	<i>100.00%</i>
546	MS30	MS-300 EPSILON 2	1			0.00%	100.00%
546	DH80	DE HAVILLAND DH-80	1			0.00%	100.00%
546	PA14	PIPER FAMILY CRUISER	1			0.00%	100.00%
546	E737	737-700 WEDGETAIL	1			0.00%	100.00%
546	B25	MITCHELL	1			0.00%	100.00%
546	L37	LOCKHEED B-34/PV VEN	1			0.00%	100.00%
546	R90F	RUSCHMEYER R-90-230F	1			0.00%	100.00%
546	FDCT	FLIGHT DESIGN CT	1			0.00%	100.00%
546	F2	MITSUBISHI F-2	1			0.00%	100.00%
546	DR22	DR 200,221	1			0.00%	100.00%
546	JS3	JETSTREAM 3	1			0.00%	100.00%
546	C82	FAIRCHILD (1) C-82 P	1			0.00%	100.00%
546	EUPA	EUROPA AVIATION EURO	1			0.00%	100.00%
546	TRF1	TEAM ROCKET F-1	1			0.00%	100.00%
546	E300	EXTRA 300/350	1			0.00%	100.00%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
546	WW23	IAI 1123 WESTWIND	1			0.00%	100.00%
546	BE50	BEECH TWIN BONANZA 50	1			0.00%	100.00%
546	UT75	UTVA 75 (V-53)	1			0.00%	100.00%
546	JPRO	HUNTING PERCIVAL P-8	1			0.00%	100.00%
546	AT46	ATR-42-600	1		AT45	0.00%	100.00%
546	B720	BOEING 720 STRATOLINER	1		B752	0.00%	100.00%
546	B74D	BOEING 747-400 DOM.	1		B744	0.00%	100.00%
<b>546</b>	<b>BA11</b>	<b>BAC 111 ONE-ELEVEN</b>	<b>1</b>	<b>BA11</b>		<b>0.00%</b>	<b>100.00%</b>
546	BDOG	BEAGLE B-125 BULLDOG	1		C182	0.00%	100.00%
546	C170	CESSNA 170	1		C172	0.00%	100.00%
546	DC85	DOUGLAS DC-8-50	1		A310	0.00%	100.00%
546	DC92	DOUGLAS DC-9-20	1		DC94	0.00%	100.00%
546	F14	TOMCAT	1		FGTN	0.00%	100.00%
546	T10	TMM-AVIA TOR	1		P28A	0.00%	100.00%
546	B24	CONSOLIDATED B-24/C-87	1			0.00%	100.00%
546	ANGL	KING'S 44 ANGEL	1			0.00%	100.00%
546	A119	AGUSTA A-119 KOALA	1		HELI	0.00%	100.00%
546	PTS2	PITTS S-2 SPECIAL	1			0.00%	100.00%
546	SJ30	SWEARINGEN SJ-30	1			0.00%	100.00%
546	BD17	BD-17 NUGGETT	1			0.00%	100.00%
546	C125	NORTHROP C-125 RAIDER	1			0.00%	100.00%

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## ANNEX B: BADA 3.11 Coverage Figures

BADA 3.11 model aircraft types listed showing percentage and rank within the 2012 traffic data.

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	%TOTAL TRAFFIC	%ACCUM.
181	A124	ANTONOV AN-124 RUSLAN	1705	A124	0.02%	99.04%
271	A140	ANTONOV AN-140	369	A140	0.00%	99.82%
135	A148	ANTONOV AN-148	4293	A148	0.04%	97.70%
68	A306	AIRBUS A-300B4-600	19833	A306	0.20%	90.55%
97	A30B	AIRBUS A-300B2/4	10893	A30B	0.11%	94.80%
69	A310	AIRBUS A-310	18024	A310	0.19%	90.74%
40	A318	AIRBUS A-318 ELITE	42193	A318	0.44%	82.85%
3	A319	AIRBUS A-319	962372	A319	9.94%	37.55%
1	A320	AIRBUS A-320	1347411	A320	13.91%	13.91%
4	A321	AIRBUS A-321	479078	A321	4.95%	42.49%
13	A332	AIRBUS A-330-200	133460	A332	1.38%	61.10%
21	A333	AIRBUS A-330-300	92357	A333	0.95%	70.45%
163	A342	AIRBUS A-340-200	2567	A342	0.03%	98.66%
28	A343	AIRBUS A-340-300	69506	A343	0.72%	76.21%
133	A345	AIRBUS A-340-500	4585	A345	0.05%	97.61%
42	A346	AIRBUS A-340-600	40111	A346	0.41%	83.69%
64	A388	AIRBUS A-380-800	21514	A388	0.22%	89.72%
154	A3ST	AIRBUS A-300ST BELUGA	3102	A3ST	0.03%	98.40%
189	AN24	ANTONOV AN-24	1530	AN24	0.02%	99.17%
198	AN28	ANTONOV AN-28	1296	AN28	0.01%	99.30%
251	AN30	ANTONOV AN-30	471	AN30	0.00%	99.73%
265	AN32	ANTONOV AN-32	396	AN32	0.00%	99.79%
44	AT43	ATR-42-300	37808	AT43	0.39%	84.49%
34	AT45	ATR-42-500 SURVEYOR	56684	AT45	0.59%	80.02%
8	AT72	ATR-72-200	232469	AT72	2.40%	52.91%
253	AT73	ATR-72-210	459	AT73	0.00%	99.74%
41	AT75	ATR-72-500	42057	AT75	0.43%	83.28%
56	ATP	BRITISH AEROSPACE ATP	24555	ATP	0.25%	87.84%
93	B462	BAE-146-200	12087	B462	0.12%	94.34%
89	B463	BAE-146-300	12945	B463	0.13%	93.83%
272	B703	BOEING 707-300	362	B703	0.00%	99.82%
57	B712	BOEING 717-200	23503	B712	0.24%	88.08%
223	B722	BOEING 727-200	751	B722	0.01%	99.55%
287	B732	BOEING 737-200	257	B732	0.00%	99.87%

<b>RANK</b>	<b>ICAO ID</b>	<b>FULL NAME</b>	<b>TOTAL TRAFFIC</b>	<b>BADA MODEL</b>	<b>%TOTAL TRAFFIC</b>	<b>%ACCUM.</b>
9	B733	BOEING 737-300	220856	B733	2.28%	55.19%
16	B734	BOEING 737-400	123929	B734	1.28%	65.04%
14	B735	BOEING 737-500	129901	B735	1.34%	62.44%
29	B736	BOEING 737-600	69385	B736	0.72%	76.93%
7	B737	BOEING 737-700	232927	B737	2.41%	50.51%
2	B738	BOEING 737-800	1326263	B738	13.70%	27.61%
73	B739	BOEING 737-900 BBJ3	17137	B739	0.18%	91.46%
129	B742	BOEING 747-200	5286	B742	0.05%	97.41%
184	B743	BOEING 747-300	1637	B743	0.02%	99.09%
15	B744	BOEING 747-400 INTL.	127680	B744	1.32%	63.76%
128	B748	BOEING 747-8	5354	B748	0.06%	97.36%
10	B752	BOEING 757-200	148070	B752	1.53%	56.72%
72	B753	BOEING 757-300	17292	B753	0.18%	91.28%
67	B762	BOEING 767-200	20014	B762	0.21%	90.35%
12	B763	BOEING 767-300	142418	B763	1.47%	59.72%
86	B764	BOEING 767-400	13275	B764	0.14%	93.43%
18	B772	BOEING 777-200	112305	B772	1.16%	67.44%
125	B773	BOEING 777-300	5792	B773	0.06%	97.19%
61	B77L	BOEING 777-200LR	22933	B77L	0.24%	89.04%
23	B77W	BOEING 777-300ER	88600	B77W	0.91%	72.30%
197	B788	BOING 787-8 DREAMLINER	1312	B788	0.01%	99.29%
546	BA11	BAC 111 ONE-ELEVEN	1	BA11	0.00%	100.00%
33	BE20	BEECH SUPER KING AIR 200	56884	BE20	0.59%	79.44%
105	BE58	BEECH BARON 58	9397	BE58	0.10%	95.64%
309	BE99	BEECH AIRLINER 99	186	BE99	0.00%	99.92%
83	BE9L	BEECH KING AIR A90-E90	13937	BE9L	0.14%	93.00%
75	C130	C-130 HERCULES	16186	C130	0.17%	91.80%
115	C160	TRANSALL C-160	7719	C160	0.08%	96.52%
82	C172	CESSNA 172 SKYHAWK	14020	C172	0.14%	92.86%
118	C182	CESSNA 182 SKYLANE	6992	C182	0.07%	96.75%
52	C25A	CESSNA 525A CJ2	25924	C25A	0.27%	86.81%
70	C25B	CESSNA 525B CJ3	17668	C25B	0.18%	90.92%
172	C25C	CESSNA 525C CJ4	1945	C25C	0.02%	98.87%
208	C421	GOLDEN EAGLE 421	1027	C421	0.01%	99.42%
60	C510	CESSNA 510 MUSTANG	23013	C510	0.24%	88.80%
47	C525	CESSNA 525 CITATIONJET	29344	C525	0.30%	85.41%
59	C550	CESSNA CITATION II-S2	23085	C550	0.24%	88.56%

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	%TOTAL TRAFFIC	%ACCUM.
114	C560	CESSNA CITATION V	7779	C560	0.08%	96.44%
32	C56X	CESSNA 560XL	57312	C56X	0.59%	78.85%
95	C680	CESSNA 680 SOVEREIGN	11169	C680	0.12%	94.57%
158	C750	CESSNA 750 CITATION X	2939	C750	0.03%	98.52%
49	CL60	CHALLENGER CL600/601	27922	CL60	0.29%	85.99%
79	CRJ1	RJ-100 REGIONAL JET	14804	CRJ1	0.15%	92.42%
22	CRJ2	RJ-200 REGIONAL JET	90428	CRJ2	0.93%	71.39%
11	CRJ9	CRJ-900 REGIONAL JET	147909	CRJ9	1.53%	58.25%
121	D228	DORNIER 228-100/200	6139	D228	0.06%	96.94%
50	D328	DORNIER 328	26945	D328	0.28%	86.27%
45	DA42	DIAMOND DA-42	30233	DA42	0.31%	84.80%
191	DC10	DC-10 ALL SERIES	1501	DC10	0.02%	99.20%
289	DC87	DOUGLAS DC-8-70	250	DC87	0.00%	99.88%
20	DH8A	DHC-8-100 DASH 8	96536	DH8A	1.00%	69.50%
55	DH8C	DHC-8-300 DASH 8	24745	DH8C	0.26%	87.59%
5	DH8D	DHC-8-400 DASH 8	289346	DH8D	2.99%	45.48%
113	E120	EMB-120 BRASILIA	8238	E120	0.09%	96.36%
53	E135	EMBRAER ERJ-135	25184	E135	0.26%	87.07%
19	E145	EMBRAER EMB-145	102904	E145	1.06%	68.50%
17	E170	EMBRAER ERJ-170	120521	E170	1.24%	66.28%
6	E190	EMBRAER ERJ-190	254165	E190	2.62%	48.11%
124	E50P	EMBRAER PHENOM 100	5834	E50P	0.06%	97.13%
149	E55P	EMBRAER PHENOM 300	3263	E55P	0.03%	98.24%
204	EA50	ECLIPSE 500	1179	EA50	0.01%	99.38%
25	F100	FOKKER 100	76577	F100	0.79%	73.94%
155	F27	FOKKER FRIENDSHIP	3024	F27	0.03%	98.43%
46	F2TH	DASSAULT FALCON 2000	29840	F2TH	0.31%	85.11%
38	F50	FOKKER 50	42741	F50	0.44%	81.97%
26	F70	FOKKER 70	75279	F70	0.78%	74.72%
62	F900	DASSAULT FALCON 900	22832	F900	0.24%	89.27%
146	FA10	DASSAULT FALCON 10	3319	FA10	0.03%	98.14%
156	FA20	DASSAULT FALCON 20	3006	FA20	0.03%	98.46%
117	FA50	DASSAULT FALCON 50	7494	FA50	0.08%	96.67%
92	FA7X	DASSAULT FALCON 7X	12103	FA7X	0.12%	94.21%
470	H25A	DE HAVILLAND DH-125	4	H25A	0.00%	100.00%
43	H25B	HAWKER 800/850/900	39305	H25B	0.41%	84.10%



RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA MODEL	%TOTAL TRAFFIC	%ACCUM.
138	IL76	IL-76/IL-76M/MD/T/TD	4104	IL76	0.04%	97.83%
512	IL86	IL-86	2	IL86	0.00%	100.00%
142	IL96	IL-96	3728	IL96	0.04%	97.99%
63	JS32	BAE-3200 SUPER 32	21662	JS32	0.22%	89.49%
54	JS41	BAE-4100 JETSTREAM41	24891	JS41	0.26%	87.33%
207	L101	TRI-STAR, ALL SERIES	1077	L101	0.01%	99.41%
94	LJ35	LEARJET 35/36	11241	LJ35	0.12%	94.46%
107	LJ45	LEARJET 45	9137	LJ45	0.09%	95.83%
48	MD11	BOEING MD-11	28101	MD11	0.29%	85.70%
31	MD82	BOEING MD-82	62930	MD82	0.65%	78.26%
137	MD83	BOEING MD-83	4195	MD83	0.04%	97.79%
232	MU2	mitsubishi MU-2	653	MU2	0.01%	99.62%
76	P180	PIAGGIO P 180 AVANTI	15375	P180	0.16%	91.96%
87	P28A	PA28-140/161/180/181	13182	P28A	0.14%	93.56%
159	P28T	PIPER PA-28RT ARROW	2859	P28T	0.03%	98.55%
277	PA27	PIPER PA-23-235/250	339	PA27	0.00%	99.84%
102	PA31	PIPER CHIEFTAIN	10407	PA31	0.11%	95.35%
66	PA34	PIPER SENECA	20110	PA34	0.21%	90.14%
110	PA44	PIPER SEMINOLE	8464	PA44	0.09%	96.10%
131	PA46	PIPER MALIBU	4891	PA46	0.05%	97.52%
162	PAY2	PA-31-T CHEYENNE 2	2611	PAY2	0.03%	98.64%
144	PAY3	PA-42 720 CHEYENNE 3	3504	PAY3	0.04%	98.07%
24	RJ1H	RJ-100 AVROLINER	82013	RJ1H	0.85%	73.15%
39	RJ85	RJ-85 AVROLINER	42304	RJ85	0.44%	82.41%
37	SB20	SAAB 2000	48004	SB20	0.50%	81.53%
27	SF34	SF 340	74838	SF34	0.77%	75.49%
224	SH36	SHORT 360	733	SH36	0.01%	99.56%
81	SR22	CIRRUS SR-22	14095	SR22	0.15%	92.72%
77	SW4	MERLIN 4/METRO	15252	SW4	0.16%	92.12%
283	T134	TUPOLEV TU-134	304	T134	0.00%	99.86%
200	T154	TUPOLEV TU-154	1284	T154	0.01%	99.33%
126	T204	TUPOLEV TU-204	5675	T204	0.06%	97.25%
96	TBM7	SOCATA TBM 700	11147	TBM7	0.12%	94.69%
160	TBM8	SOCATA TBM 850	2825	TBM8	0.03%	98.58%
85	TRIN	SOCATA TB-20/21	13737	TRIN	0.14%	93.29%
203	YK40	YAKOVLEV YAK-40	1206	YK40	0.01%	99.36%
174	YK42	YAKOVLEV YAK-42	1906	YK42	0.02%	98.91%

**BADA 3.11 aircraft types covered by synonym aircraft showing percentage and rank within the 2011 traffic data.**

RANK	ICAO ID	FULL NAME	TOTAL TRAFFIC	BADA SYNONYM	%TOTAL TRAFFIC	%ACCUM.
349	A10	FAIRCHILD (1) A-10/O	73	FGTN	0.00%	0.00%
209	A109	A109 /109A /109A II	997	HELI	0.01%	0.01%
546	A119	AGUSTA A-119 KOALA	1	HELI	0.00%	0.01%
74	A139	AGUSTA AB-139	17054	HELI	0.18%	0.19%
470	A4	DOUGLAS A-4 SKYHAWK	4	FGTN	0.00%	0.19%
256	A400	AIRBUS A-400M	443	A3ST	0.00%	0.19%
434	A6	INTRUDER	11	FGTN	0.00%	0.19%
347	A7	CORSAIR II	75	FGTN	0.00%	0.19%
470	A748	AVRO 748 (C-91)	4	ATP	0.00%	0.19%
275	AA5	CHEETAH AA-5/A/B	354	P28A	0.00%	0.20%
231	AC11	COMMANDER 112/114	677	SR22	0.01%	0.20%
216	AC90	JETPROP COMMANDER	797	PAY3	0.01%	0.21%
316	AC95	695 JETPROP COMMANDER	149	PAY3	0.00%	0.21%
270	AEST	TED SMITH AEROSTAR	377	MU2	0.00%	0.22%
273	AJET	ALPHAJET	355	FGTN	0.00%	0.22%
361	AMX	AMX A-1	55	FGTN	0.00%	0.22%
141	AN12	ANTONOV AN-12 / AN-12BP	3885	C130	0.04%	0.26%
116	AN26	ANTONOV AN-26 / AN26B	7713	AN30	0.08%	0.34%
262	AN72	ANTONOV AN-72	403	F28	0.00%	0.35%
148	AS32	AS-532UC COUGAR	3287	HELI	0.03%	0.38%
136	AS3B	AS-532A2 COUGAR MK2	4275	HELI	0.04%	0.42%
384	AS50	AS-350 ECUREUIL	32	HELI	0.00%	0.42%
213	AS55	AS-355 ECUREUIL 2	921	HELI	0.01%	0.43%
195	AS65	AS-365 DAUPHIN 2	1355	HELI	0.01%	0.45%
220	ASTR	GULFSTREAM G100	767	FA10	0.01%	0.46%
319	AT44	ATR-42-400	136	AT45	0.00%	0.46%
546	AT46	ATR-42-600	1	AT45	0.00%	0.46%
194	AT76	ATR-72-600	1386	AT75	0.01%	0.47%
229	ATLA	ATLANTIC 1150	692	E120	0.01%	0.48%
235	B06	BELL 206A/B/L/406/TH	627	HELI	0.01%	0.48%
387	B1	LANCER	30	FGTL	0.00%	0.48%
368	B105	BOLKOW BO-105	47	HELI	0.00%	0.49%
51	B190	BEECH 1900 (C-12J)	26812	JS32	0.28%	0.76%

338	B212	AGUSTA AB-212	94	HELI	0.00%	0.76%
450	B222	BELL 222	8	HELI	0.00%	0.76%
378	B230	BELL 230	36	HELI	0.00%	0.76%
101	B350	BEECH SUPER KING AIR 350	10507	BE20	0.11%	0.87%
249	B412	AGUSTA AB-412	495	HELI	0.01%	0.88%
443	B429	BELL 429 GLOBAL RANGER	9	HELI	0.00%	0.88%
398	B430	BELL 430	24	HELI	0.00%	0.88%
244	B461	BAE-146-100	585	B462	0.01%	0.88%
400	B52	BOEING STRATOFORTRESS	23	FGTL	0.00%	0.88%
512	B701	BOEING 707-100	2	B752	0.00%	0.88%
546	B720	BOEING 720 STRATOLINER	1	B752	0.00%	0.88%
325	B721	BOEING 727-100	124	B752	0.00%	0.88%
512	B731	BOEING 737-100	2	T134	0.00%	0.89%
362	B741	BOEING 747-100	53	B743	0.00%	0.89%
546	B74D	BOEING 747-400 DOM.	1	B744	0.00%	0.89%
246	B74S	BOEING 747SP	542	B742	0.01%	0.89%
546	BDOG	BEAGLE B-125 BULLDOG	1	C182	0.00%	0.89%
289	BE10	BEECH KING AIR 100	250	D228	0.00%	0.89%
171	BE30	BEECH SUPER KING AIR 300	2050	BE20	0.02%	0.91%
170	BE33	BEECH BONANZA 33	2102	C182	0.02%	0.94%
165	BE36	BEECH BONANZA 36	2435	DA42	0.03%	0.96%
111	BE40	BEECHJET 400	8444	C25C	0.09%	1.05%
185	BE55	BEECH BARON 55 COCHISE	1632	PA34	0.02%	1.07%
260	BE60	BEECH DUKE 60	414	C421	0.00%	1.07%
512	BE65	BEECH QUEEN AIR 65/70	2	PA34	0.00%	1.07%
147	BE76	BEECH DUCHESS 76	3305	C182	0.03%	1.10%
294	BE95	BEECH TRAVELAIR 95	242	TRIN	0.00%	1.11%
243	BE9T	BEECH KING AIR F90	594	BE9L	0.01%	1.11%
341	BK17	MBB-KAWASAKI BK-117	85	HELI	0.00%	1.11%
255	BN2P	BRITTEN-NORMAN BN-2A/B	455	PA34	0.00%	1.12%
242	BN2T	BN-2T TURBINE ISLAND	602	E120	0.01%	1.12%
211	C10T	CESSNA TURBINE P210	972	D228	0.01%	1.13%
304	C135	BOEING C-135B	195	B703	0.00%	1.14%
91	C17	BOEING C-17	12484	B764	0.13%	1.27%
546	C170	CESSNA 170	1	C172	0.00%	1.27%
289	C177	CARDINAL 177	250	C172	0.00%	1.27%
217	C206	CESSNA STATIONER 6	796	SR22	0.01%	1.28%
139	C208	CESSNA CARAVAN I	4070	PA27	0.04%	1.32%
182	C210	CENTURION/II	1673	SR22	0.02%	1.34%

261	C212	CASA C-212 AVIOCAR	407	D228	0.00%	1.34%
140	C27J	ALENIA C-27J SPARTAN	4008	E120	0.04%	1.38%
132	C295	CASA C-295	4598	ATP	0.05%	1.43%
222	C303	CRUSADER 303	755	PA31	0.01%	1.44%
123	C30J	C-130J HERCULES	5900	C130	0.06%	1.50%
202	C310	CESSNA 310/T310	1213	PA34	0.01%	1.51%
282	C337	SUPER SKYMASTER 337	306	PA27	0.00%	1.51%
175	C340	CESSNA 340	1885	C421	0.02%	1.53%
284	C402	CESSNA 402	298	PA34	0.00%	1.54%
266	C404	TITAN 404	392	BE58	0.00%	1.54%
227	C414	CHANCELLOR 414	706	PA31	0.01%	1.55%
183	C425	CORSAIR/CONQUEST	1662	TBM8	0.02%	1.56%
225	C441	CONQUEST II-441	728	PAY3	0.01%	1.57%
168	C5	LOCKHEED C-5 GALAXY	2183	A346	0.02%	1.59%
187	C500	CESSNA CITATION I	1594	C550	0.02%	1.61%
179	C501	CESSNA CITATION 1SP	1737	C550	0.02%	1.63%
373	C526	CESSNA 526 CITATIONJET	42	E50P	0.00%	1.63%
201	C551	CESSNA CITATION 2SP	1214	C550	0.01%	1.64%
130	C650	CESSNA CITATION III	5065	LJ35	0.05%	1.69%
235	C72R	CESSNA 172RG CUTLASS	627	SR22	0.01%	1.70%
285	C77R	CESSNA 177RG CARDINA	296	P28A	0.00%	1.70%
239	C82R	CESSNA R182/TR182	613	C182	0.01%	1.71%
330	CE43	CERVA CE-43 GUEPARD	107	SR22	0.00%	1.71%
237	CL2T	CANADAIR CL215T	621	SH36	0.01%	1.72%
80	CL30	BD-100 CHALLENGER300	14147	F2TH	0.15%	1.86%
109	CN35	CASA CN-235	8761	AT43	0.09%	1.95%
210	COL4	LANCAIR COLUMBIA 400	989	TRIN	0.01%	1.96%
30	CRJ7	CRJ-700 REGIONAL JET	66309	CRJ9	0.68%	2.65%
36	CRJX	CRJ-1000 REGIONAL JET	48217	CRJ9	0.50%	3.15%
98	DA40	DIAMOND DA-40 KATANA	10854	DA42	0.11%	3.26%
351	DC3	DC-3/DAKOTA/SKYTRAIN	70	C421	0.00%	3.26%
546	DC85	DOUGLAS DC-8-50	1	A310	0.00%	3.26%
352	DC86	DOUGLAS DC-8-60	69	DC87	0.00%	3.26%
470	DC91	DOUGLAS DC-9-10	4	B712	0.00%	3.26%
546	DC92	DOUGLAS DC-9-20	1	DC94	0.00%	3.26%
240	DC93	DOUGLAS DC-9-30	611	DC94	0.01%	3.27%
512	DC95	DOUGLAS DC-9-50	2	DC94	0.00%	3.27%
104	DH8B	DHC-8-200 DASH 8	9429	DH8C	0.10%	3.36%

157	DHC6	DE HAV CAN UV-18 TWIN OTTER	2969	D228	0.03%	3.39%
281	DR40	ROBIN DR 400/2+2	312	PA44	0.00%	3.40%
375	E110	BANDEIRANTE EMB-110	40	SW4	0.00%	3.40%
127	E121	EMBRAER EMB-121 XINGU	5394	PAY2	0.06%	3.45%
354	E2	HAWKEYE	68	E120	0.00%	3.45%
289	E3CF	BOEING E-3A (CFM56)	250	B762	0.00%	3.46%
238	E3TF	BOEING E-3A (TF33)	620	B762	0.01%	3.46%
546	EC20	EUROCOPTER EC-120	1	HELI	0.00%	3.46%
108	EC25	EUROCOPTER EC225/725	8798	HELI	0.09%	3.55%
186	EC35	EUROCOPTER EC-135	1603	HELI	0.02%	3.57%
215	EC45	EUROCOPTER EC-145	810	HELI	0.01%	3.58%
99	EC55	EUROCOPTER EC-155	10678	HELI	0.11%	3.69%
489	EC75	EUROCOPTER-HARBIN Z-15	3	HELI	0.00%	3.69%
307	EH10	EHI EH-101/MERLIN/HE	190	HELI	0.00%	3.69%
376	ETAR	ETENDARD IV	39	FGTN	0.00%	3.69%
228	EUFI	EUROFIGHTER 2000	693	FGTN	0.01%	3.70%
355	EXPL	BOEING MD-902 EXPLORER	66	HELI	0.00%	3.70%
404	F1	MITSUBISHI F-1	21	FGTN	0.00%	3.70%
546	F14	TOMCAT	1	FGTN	0.00%	3.70%
326	F15	EAGLE/F15J/MDC	117	FGTN	0.00%	3.70%
143	F16	F-16 FIGHTING FALCON	3704	FGTN	0.04%	3.74%
250	F18	FA-18 HORNET	478	FGTN	0.00%	3.74%
233	F260	AERMACCHI T-260	646	BE58	0.01%	3.75%
206	F4	PHANTOM II/F4EJ/MDC	1096	FGTN	0.01%	3.76%
176	F406	REIMS F406 CARAVAN 2	1866	PAY3	0.02%	3.78%
258	F5	AIDC F-5 CHUNG-CHENG	424	FGTN	0.00%	3.79%
212	G120	GROB G-120	951	SR22	0.01%	3.80%
161	G150	GULFSTREAM G150	2646	F2TH	0.03%	3.82%
336	G222	FIAT G-222	96	ATP	0.00%	3.82%
438	G250	GULFSTREAM G250	10	F2TH	0.00%	3.82%
311	G280	GULFSTREAM G280	176	F2TH	0.00%	3.83%
252	GA7	COUGAR GA-7	466	SR22	0.00%	3.83%
120	GALX	GULFSTREAM G200	6349	F2TH	0.07%	3.90%
119	GL5T	BD-700 GLOBAL 5000	6593	C750	0.07%	3.96%
408	GLAS	GLASAIR	18	BE58	0.00%	3.96%
78	GLEX	BD-700 GLOBAL EXPRESS	14847	C750	0.15%	4.12%
288	GLF2	G-1159 GULFSTREAM1/2	253	FA7X	0.00%	4.12%
199	GLF3	GULFSTREAM 3	1285	FA7X	0.01%	4.13%
71	GLF4	GULFSTREAM 4	17489	FA7X	0.18%	4.31%

58	GLF5	GULFSTREAM 5	23099	FA7X	0.24%	4.55%
489	GLF6	GULFSTREAM G650	3	FA7X	0.00%	4.55%
512	GLST	GLASTAR	2	TRIN	0.00%	4.55%
221	H25C	HAWKER 1000	762	H25B	0.01%	4.56%
546	H269	BREDANARDI NH-300	1	HELI	0.00%	4.56%
358	H47	BOEING VERTOL MH-47 CHINOOK	63	HELI	0.00%	4.56%
453	H53	SIKORSKY S-65	7	HELI	0.00%	4.56%
278	H60	SIKORSKY S-70	337	HELI	0.00%	4.57%
214	HA4T	HAWKER 4000	827	F2TH	0.01%	4.57%
346	HAR	HARRIER, ALL MARKS	76	FGTN	0.00%	4.57%
273	HAWK	HAWK MK-1 50/60	355	FGTN	0.00%	4.58%
406	HR10	HR 100/200, 100/200B	19	TRIN	0.00%	4.58%
377	IL18	IL-18	37	C130	0.00%	4.58%
301	IL62	IL-62/IL-62M/MK	209	A30B	0.00%	4.58%
103	J328	DORNIER 328 JET ENVOY	9935	E135	0.10%	4.68%
112	JS31	BAE-3100 JETSTREAM31	8268	JS32	0.09%	4.77%
489	K35A	BOEING KC-135A	3	B703	0.00%	4.77%
425	K35E	BOEING KC-135D/E	12	B703	0.00%	4.77%
134	K35R	BOEING KC-135R/T	4338	B703	0.04%	4.81%
443	KA27	KAMOV KA-27/28/29/31	9	HELI	0.00%	4.81%
352	L159	AERO L-159 ALBATROSS	69	FGTN	0.00%	4.81%
219	L188	LOCKHEED ELECTRA	769	C160	0.01%	4.82%
372	L29B	LOCKHEED L-1329 JETS	43	CL60	0.00%	4.82%
88	L410	LET L-410/420 TURBOLET	12996	D228	0.13%	4.96%
425	LJ24	LEAR JET 24	12	C25A	0.00%	4.96%
453	LJ25	LEAR JET 25	7	LJ45	0.00%	4.96%
190	LJ31	LEARJET 31	1514	LJ45	0.02%	4.97%
153	LJ40	LEARJET 40	3108	LJ45	0.03%	5.01%
173	LJ55	LEARJET 55	1921	LJ45	0.02%	5.03%
90	LJ60	LEARJET 60	12578	LJ45	0.13%	5.16%
367	LNP4	LANCAIR PROPJET 4	49	TBM8	0.00%	5.16%
344	LYNX	WESTLAND LYNX/SUPER	77	HELI	0.00%	5.16%
512	M2	KUBICEK SCOUT	2	P28A	0.00%	5.16%
145	M20P	MOONEY M-20 A-D/J/L/R/S	3491	TRIN	0.04%	5.19%
151	M20T	MOONEY M-20 K/M/TN	3169	TRIN	0.03%	5.23%
356	MD81	BOEING MD-81	64	MD82	0.00%	5.23%
164	MD87	BOEING MD-87	2550	MD82	0.03%	5.25%
268	MD88	BOEING MD-88	391	MD82	0.00%	5.26%

339	MD90	BOEING MD-90	90	MD83	0.00%	5.26%
512	MG21	MIKOYAN MIG-21	2	FGTN	0.00%	5.26%
309	MG29	MIKOYAN MIG-29/33/BA	186	FGTN	0.00%	5.26%
453	MI14	MIL MI-14	7	HELI	0.00%	5.26%
438	MI24	MIL MI-24/25/35	10	HELI	0.00%	5.26%
391	MI26	MIL MI-26	28	HELI	0.00%	5.26%
293	MI8	MIL MI-8	243	HELI	0.00%	5.26%
262	MIR2	MIRAGE 2000	403	FGTN	0.00%	5.27%
434	MRF1	DASSAULT MIRAGE F1	11	FGTN	0.00%	5.27%
328	MU30	MITSUBISHI MU-300	110	C560	0.00%	5.27%
302	NH90	NHI NH-90	199	HELI	0.00%	5.27%
234	P210	CESSNA P210	644	BE58	0.01%	5.28%
276	P28B	PA28-201/235/236	341	SR22	0.00%	5.28%
122	P28R	PIPER PA-28R-180/200	6116	DA42	0.06%	5.34%
167	P3	ORION	2231	C130	0.02%	5.37%
218	P32R	PIPER PA-32R SARATOGA 2	775	C182	0.01%	5.37%
313	P32T	PIPER PA-32RT LANCE 2	167	TRIN	0.00%	5.38%
106	P46T	PIPER MALIBU MERIDIAN	9141	BE9L	0.09%	5.47%
178	P68	PARTENAVIA VICTOR	1789	PA27	0.02%	5.49%
349	P68T	PARTENAVIA AP-68TP-3	73	D228	0.00%	5.49%
489	PA18	PIPER SUPER CUB	3	PA34	0.00%	5.49%
280	PA23	PIPER APACHE	320	PA27	0.00%	5.49%
180	PA30	PIPER TWIN COMANCHE	1729	TRIN	0.02%	5.51%
196	PA32	PIPER SARATOGA	1319	PA44	0.01%	5.52%
205	PAY1	PA-31-T CHEYENNE 1	1108	PAY2	0.01%	5.54%
269	PAY4	PA-42 CHEYENNE 400	390	P180	0.00%	5.54%
65	PC12	PILATUS PC-12	21102	BE9L	0.22%	5.76%
241	PC6T	PILATUS PC-6A/B/C	603	D228	0.01%	5.76%
279	PC9	PILATUS PC-9	333	BE9L	0.00%	5.77%
100	PRM1	RAYTHEON PREMIER 1	10556	C25A	0.11%	5.88%
193	PUMA	AEROSP. SA-330 PUMA	1398	HELI	0.01%	5.89%
489	R22	ROBINSON R-22	3	HELI	0.00%	5.89%
443	R44	ROBINSON R-44 ASTRO	9	HELI	0.00%	5.89%
318	R722	B727-200RE SUPER 27	137	B722	0.00%	5.89%
340	RFAL	DASSAULT RAFALE	87	FGTN	0.00%	5.89%
323	RJ70	RJ-70 AVROLINER	125	RJ85	0.00%	5.89%
405	S330	SCHWEIZER 330	20	HELI	0.00%	5.89%
415	S601	SN 601 CORVETTE	16	C525	0.00%	5.89%
300	S61	HELIPRO S-61 SHORTSKY	211	HELI	0.00%	5.90%

314	S65C	AEROSPATIALE SA-365C	163	HELI	0.00%	5.90%
188	S76	SIKORSKY S-76/H-76	1574	HELI	0.02%	5.91%
35	S92	SIKORSKY S-92 HELIBUS	49739	HELI	0.51%	6.43%
321	SB05	SAAB 105	133	C550	0.00%	6.43%
489	SB37	SAAB 37 VIGGEN	3	FGTN	0.00%	6.43%
257	SB39	SAAB 39 GRIPEN	438	FGTN	0.00%	6.43%
296	SBR1	NORTH AMERICAN NA-26	231	FA10	0.00%	6.44%
462	SH33	SHORT 330	5	SH36	0.00%	6.44%
152	SR20	CIRRUS SR-20	3117	SR22	0.03%	6.47%
226	SW2	MERLIN IIA/B	711	SW4	0.01%	6.48%
169	SW3	MERLIN IVC	2157	PAY3	0.02%	6.50%
546	T10	TMM-AVIA TOR	1	P28A	0.00%	6.50%
230	TB30	SOCATA TB-30 EPSILON	685	PA27	0.01%	6.51%
373	TEX2	RAYTHEON T-6	42	TBM7	0.00%	6.51%
422	TIGR	EUROCOPTER TIGRE/TIGER	13	HELI	0.00%	6.51%
177	TOBA	SOCATA TB-10/200 TOBAGO	1824	C172	0.02%	6.52%
247	TOR	PANAVIA TORNADO	517	FGTN	0.01%	6.53%
84	TRIS	BRITTEN-NORMAN BN-2A	13892	DA42	0.14%	6.67%
329	TUCA	AOI EMB-312 TUCANO	109	BE9L	0.00%	6.67%
394	UH1	AGUSTA AB-204/205	26	HELI	0.00%	6.68%
312	VC10	VC10-1100	173	B762	0.00%	6.68%
391	W3	PZL-SWIDNIK W-3 SOKO	28	HELI	0.00%	6.68%
370	WW24	IAI WESTWIND	46	FA10	0.00%	6.68%