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FOR THE SAFETY OF AIR NAVIGATION



EUROCONTROL EXPERIMENTAL CENTRE

COVERAGE OF 2015 EUROPEAN AIR TRAFFIC

FOR THE BASE OF AIRCRAFT DATA (BADA) - VERSIONS BADA 3.13.1 & BADA 4.2

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| Abstract : <p>The air traffic statistics obtained from the NMOC 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 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 2015). The results show that the aircraft types within BADA 3.13.1 cover 95.98% of the European air traffic for the whole period, compared to the annual target of 90%. The synonym aircraft occupy a further 3.98% share of the total traffic. BADA 4.2 models cover 78.06% of the traffic data.</p> | | | | | | |

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SUMMARY

This document reviews the air traffic statistics for 2015 from the EUROCONTROL Network Manager Operations Center (NMOC) in order to determine the coverage of European air traffic provided by BADA (Base of Aircraft Data), family 3, version 3.13.1 and family 4, version 4.2.

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1. INTRODUCTION

1.1. IDENTIFICATION AND SCOPE

There are two families of the BADA aircraft performance models (APM), based on the same modelling approach and components:

BADA Family 3: The primary objective of BADA 3 is to model aircraft behaviour over the normal operations part of the flight envelope and to meet today's requirements for aircraft performance modelling and simulation. BADA 3.13.1 specifies aircraft performance and operating procedure parameters for 195 different aircraft types (original models). From these models, a further 516 other aircraft types can be supported as being equivalent. They are referred to in this document as synonym types.

BADA Family 4: This model is intended to meet advanced functional and precision requirements of the new ATM systems and R&D. BADA 4 provides accurate modelling of aircraft over the entire flight envelope and enables modelling and simulation of advanced concepts of future systems.

The BADA information is designed initially 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.

This document reviews the air traffic statistics for 2015 from the EUROCONTROL Network Manager Operations Center (NMOC) in order to determine the coverage of European air traffic provided by BADA (Base of Aircraft Data), revisions 3.13.1 [RD1] and 4.2.

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 2015 NMOC traffic data showing both BADA 3.13.1 (models and synonyms) and BADA 4.2 coverage.

1.3. REFERENCED DOCUMENTS

- RD1** User Manual for the Base of Aircraft Data (BADA) Revision 3.13; EEC Technical/Scientific Report No.15/04/02-43, May 2015
- RD2** Synonym Aircraft Report for the Base of Aircraft Data (BADA) Revision 3.13.1; EEC Technical/Scientific Report No. 16/05/04-96, May 2016
- RD3** Coverage of 2013 European Air Traffic for the Base of Aircraft Data (BADA) – Versions BADA 3.12 & BADA 4.1; EEC Technical/Scientific Report No. 14/11/13-54, March 2015
- RD4** ICAO Document 8643, Edition 44, March 2016

1.4. GLOSSARY OF ACRONYMS

| | |
|-------------|---|
| APM | Aircraft Performance Model |
| BADA | Base of Aircraft Data |
| EEC | EUROCONTROL Experimental Centre |
| ICAO | International Civil Aviation Organisation |
| NMOC | Network Manager Operations Center |
| RD | Reference Document |
| VIF | Validation Infrastructure |

2. NMOC TRAFFIC STATISTICS

The NMOC 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 NMOC 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 2015). The NMOC registered traffic figures list all aircraft types that flew through ECAC airspace. Aircraft are listed in descending order based on the number of flights per aircraft type. For each aircraft type the following information is provided in Appendix A:

- Rank, determined by the significance of the aircraft type in the traffic
- Aircraft type identifier and full name
- Reference to BADA family 3 model/synonym type and BADA family 4 model; for synonyms, the original aircraft model considered as equivalent is indicated, together with a percentage value quantifying the mismatch between the actual aircraft type and the equivalent original model (more details in [RD2])
- Percentage of the total number of flights operated with the aircraft type
- Cumulative percentage of the total number of flights operated with aircraft types from rank 1 to current.

The following table provides a summary of information for the 2015 statistics.

Table 1: Traffic Sample Summary Information

| | Sample traffic 12 months (2015) |
|--|------------------------------------|
| Total number of flights | 9898261 |
| Number of aircraft types in traffic sample | 583 |
| Number of aircraft types for 90% coverage | 62 |
| Number of aircraft types for 99% coverage | 176 |
| Number of aircraft types for 99.90% coverage | 297 |
| Number of aircraft types for 99.99% coverage | 399 |

3. COMPARISON WITH BADA

3.1. BADA FAMILY 3

BADA 3.13.1 covers 711 different aircraft types. 195¹ of these aircraft types are directly supported and referred to as original aircraft models. For the other 516 aircraft types, the data is specified to be the same as one of the directly supported 195 aircraft types. These aircraft types have been identified as being 'equivalent' to original aircraft models. They are referred to as synonym aircraft.

In total, BADA 3.13.1 covers **99.96%** of the European air traffic as specified by the EUROCONTROL NMOC for the reference period Jan-Dec 2015. The original aircraft models represent **95.98%**, while synonym aircraft represent **3.98%** of the total traffic sample.

Some highlights:

1. Compared to BADA 3.12 [RD3], BADA 3.13.1 provides 29 additional original models and 244 additional synonym types.
2. Compared to the coverage by BADA 3.12 of the 2013 traffic data [RD3]:
 - a. The coverage by original models is up by **1.48%**.
 - b. The overall coverage is up by **0.13%**.
3. 179 of the 195 BADA original aircraft models, and 315 of the 516 BADA synonym aircraft, were found among the traffic sample. BADA original models and synonyms that do not appear in the traffic consist mainly of:
 - a. aircraft types that recently entered into service,
 - b. aircraft types not (yet) operated in ECAC but operated in other geographical areas,
 - c. aging or decommissioned aircraft types.

These aircraft types are being conserved or added, with the aim of covering 100% of the European traffic and fulfilling the EUROCONTROL requirement to reference ICAO designators for the need of flight plan processing systems.

4. 4 aircraft types identified in the traffic sample do not hold an official ICAO identifier. Those are generic types used by NMOC when only the aircraft category is known: TJJJ (turbojet), TPPP (turboprop), SEEE (single engine), MEEE (multiple engines). In addition, the special ICAO designator ZZZZ is used by NMOC when the aircraft type of a flight is unknown. Overall, those special types that cannot be modelled in BADA represent **0.04%** of the traffic.

¹ Three generic fighter models FGTH, FGTH, and FGTL do not hold an official ICAO designator and do therefore not appear amongst the NMOC traffic data. They will however be referenced to when covering the synonym aircraft.

5. The F18 aircraft type designator has been split in [RD4] into two different types, F18H and F18S. Aircraft type designators used in BADA 3.13.1 conform to [RD4], which took effect in March 2016, while previous editions of this document were in force at the time of the considered traffic sample (Jan-Dec 2015). For that reason, the F18 aircraft type present in the traffic is not available in BADA 3.13.1, but the replacing F18H and F18S are available as synonyms.
6. The generic helicopter synonym (HELI) is considered as an equivalent for all helicopter types. In this traffic sample, it represents 53 helicopter types and **1.00%** of the traffic. Particular attention to this will be addressed by BADA in the future to account for the diversity of rotocraft performances (e.g. number and type of engines, rotorcraft weight).
7. The 30 remaining aircraft types identified in the traffic sample, representing less than **0.001%** of the traffic, were not present in the previous traffic sample from 2013 [RD3]: they are not available in BADA 3.13.1, but will be added in the next BADA 3 release.

The addition of the most significant aircraft types that are not represented by original models in BADA 3.13.1 would increase by **1.24%** the coverage by original models (Table 2).

Table 2: Significant aircraft types not modelled in BADA 3.13.1 & traffic share

| Rank Number | Aircraft Code | Full name | Traffic % |
|-------------|---------------|------------------------------|-----------|
| 34 | CRJX | BOMBARDIER CRJ-1000 | 0.497 |
| 59 | CRJ7 | BOMBARDIER CRJ-700 | 0.226 |
| 66 | CL30 | BOMBARDIER Challenger 300 | 0.176 |
| 68 | DH8B | DEHAVILLAND CANADA DHC-8 200 | 0.175 |
| 72 | GLF4 | GULFSTREAM IV | 0.162 |

3.2. BADA FAMILY 4

BADA 4.2 provides original aircraft models for 64 aircraft types, as identified by ICAO designator. For some aircraft types, however, BADA 4.2 provides models for different aircraft versions (e.g. different engine options, long/extended range versions). As such, BADA 4.2 provides 104 original aircraft models.

All 64 directly supported aircraft types appear in the NMOC traffic sample and cover **78.06%** of the European air traffic.

4. CONCLUSION

BADA 3.13.1 currently covers **99.96%** of the European air traffic as specified by the EUROCONTROL NMOC. The 195 original BADA aircraft models account for **95.98%**, while 516 synonym aircraft account for **3.98%** of the traffic data. The remaining traffic share is composed of special designators that cannot be modelled in BADA (**0.04%**), and 30 aircraft types not yet covered by BADA (less than **0.001%**).

The total coverage of the BADA 4.2 models amounts to **78.06%**.

In view of the wide-spread operational use of BADA, increased aircraft coverage will remain a continual aim for BADA.

ANNEX A: 2015 NMOC Traffic data

| Non-ICAO code | Original model | Synonym | Helicopter |
|---------------|----------------|---------|------------|
|---------------|----------------|---------|------------|

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|--|--------------|--------------|-----------|----------------------|
| 1 | B738 | BOEING 737-800 | | | 16.715128 | 16.715128 |
| 2 | A320 | AIRBUS A-320 | | | 16.301399 | 33.016527 |
| 3 | A319 | AIRBUS A-319 | | | 9.615851 | 42.632378 |
| 4 | A321 | AIRBUS A-321 | | | 5.476255 | 48.108632 |
| 5 | E190 | EMBRAER ERJ-190 | | | 3.421055 | 51.529688 |
| 6 | DH8D | DE HAVILLAND CANADA DHC-8-400 Dash 8 | | | 3.175750 | 54.705438 |
| 7 | B737 | BOEING 737-700 | | | 2.076658 | 56.782095 |
| 8 | A332 | AIRBUS A-330-200 | | | 1.598139 | 58.380235 |
| 9 | CRJ9 | CANADAIER CL-600 Regional Jet CRJ-900 | | | 1.575863 | 59.956097 |
| 10 | B77W | BOEING 777-300ER | | | 1.460923 | 61.417021 |
| 11 | E170 | EMBRAER ERJ-170-100 | | | 1.391871 | 62.808891 |
| 12 | AT75 | ATR ATR-72-500 | | | 1.297622 | 64.106513 |
| 13 | A333 | AIRBUS A-330-300 | | | 1.272628 | 65.379141 |
| 14 | B763 | BOEING 767-300 | | | 1.257342 | 66.636483 |
| 15 | B733 | BOEING 737-300 | | | 1.218355 | 67.854838 |
| 16 | B752 | BOEING 757-200 | | | 1.161446 | 69.016285 |
| 17 | AT72 | ATR ATR-72-202 | | | 1.033252 | 70.049537 |
| 18 | B772 | BOEING 777-200 | | | 1.028767 | 71.078304 |
| 19 | B744 | BOEING 747-400 (international, winglets) | | | 0.984799 | 72.063103 |
| 20 | DH8A | DE HAVILLAND CANADA DHC-8-100 Dash 8 | | | 0.896511 | 72.959614 |
| 21 | E145 | EMBRAER EMB-145RS | | | 0.775015 | 73.734629 |
| 22 | B734 | BOEING 737-400 | | | 0.757537 | 74.492166 |
| 23 | B736 | BOEING 737-600 | | | 0.719429 | 75.211595 |
| 24 | RJ1H | BRITISH AEROSPACE RJ-100 | | | 0.714055 | 75.925650 |
| 25 | AT76 | ATR ATR-72-600 | | | 0.633546 | 76.559196 |
| 26 | B788 | BOEING 787-8 Dreamliner | | | 0.589023 | 77.148218 |
| 27 | B735 | BOEING 737-500 | | | 0.577758 | 77.725976 |
| 28 | BE20 | BEECHCRAFT King Air 250 | | | 0.557866 | 78.283842 |
| 29 | C56X | CESSNA 560XL Citation XLS | | | 0.549693 | 78.833534 |
| 30 | F100 | FOKKER 100 | | | 0.531679 | 79.365214 |
| 31 | SB20 | SAAB 2000 | | | 0.521869 | 79.887083 |
| 32 | A388 | AIRBUS A-380-800 | | | 0.501159 | 80.388242 |
| 33 | SF34 | SAAB-FAIRCHILD SF-340 | | | 0.500351 | 80.888592 |
| 34 | CRJX | BOMBARDIER CRJ-1000 | 5% (CRJ9) | | 0.497057 | 81.385649 |
| 35 | A343 | AIRBUS A-340-300 | | | 0.483408 | 81.869058 |
| 36 | F70 | FOKKER 70 | | | 0.476649 | 82.345707 |
| 37 | AT45 | ATR ATR-42-500 | | | 0.422236 | 82.767943 |
| 38 | A318 | AIRBUS A-318 | | | 0.421589 | 83.189532 |
| 39 | B77L | BOEING 777-200LR | | | 0.419983 | 83.609515 |
| 40 | S92 | SIKORSKY S-92 Helibus | | | 0.418902 | 84.028417 |
| 41 | B739 | BOEING 737-900 | | | 0.387502 | 84.415919 |
| 42 | B712 | BOEING 717-200 | | | 0.377491 | 84.793410 |
| 43 | CRJ2 | CANADAIER CL-600 Regional Jet RJ-200 | | | 0.355163 | 85.148573 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|-----------------------------------|--------------|--------------|-----------|----------------------|
| 44 | A346 | AIRBUS A-340-600 | | | 0.320642 | 85.469215 |
| 45 | H25B | HAWKER SIDDELEY HS-125-700 | | | 0.311014 | 85.780229 |
| 46 | RJ85 | BRITISH AEROSPACE RJ-85 | | | 0.306973 | 86.087203 |
| 47 | AT43 | ATR ATR-42-320 | | | 0.295193 | 86.382396 |
| 48 | F2TH | DASSAULT Falcon 2000 | | | 0.283262 | 86.665658 |
| 49 | A306 | AIRBUS A-300F4-600 | | | 0.282090 | 86.947748 |
| 50 | PC12 | PILATUS PC-12 | | | 0.280706 | 87.228454 |
| 51 | DA42 | DIAMOND DA-42 Guardian | | | 0.280120 | 87.508573 |
| 52 | C525 | CESSNA CitationJet (525) | | | 0.279584 | 87.788158 |
| 53 | C510 | CESSNA 510 Citation Mustang | | | 0.270846 | 88.059003 |
| 54 | CL60 | CANADAIR Challenger 605 | | | 0.264299 | 88.323302 |
| 55 | ATP | BRITISH AEROSPACE ATP | | | 0.257965 | 88.581267 |
| 56 | C25A | CESSNA 525A Citation CJ2 | | | 0.251458 | 88.832725 |
| 57 | GLF5 | GULFSTREAM AEROSPACE Gulfstream 5 | | | 0.232101 | 89.064827 |
| 58 | D328 | DORNIER 328 | | | 0.226818 | 89.291644 |
| 59 | CRJ7 | BOMBARDIER CRJ-700 | 6% (CRJ9) | | 0.226434 | 89.518078 |
| 60 | DH8C | DE HAVILLAND CANADA Dash 8 (300) | | | 0.224898 | 89.742976 |
| 61 | GLEX | BOMBARDIER Global Express | | | 0.219089 | 89.962065 |
| 62 | B748 | BOEING 747-8 | | | 0.213674 | 90.175739 |
| 63 | F900 | DASSAULT Falcon 900 | | | 0.204501 | 90.380240 |
| 64 | JS41 | JETSTREAM Jetstream 41 | | | 0.199732 | 90.579972 |
| 65 | F50 | FOKKER Fokker50Freighter | | | 0.186366 | 90.766338 |
| 66 | CL30 | BOMBARDIER Challenger 300 | 1% (E550) | | 0.175758 | 90.942096 |
| 67 | C550 | CESSNA 550 Citation 2 | | | 0.175142 | 91.117238 |
| 68 | DH8B | DEHAVILLAND CANADA DHC-8 200 | 5% (DH8C) | | 0.174869 | 91.292107 |
| 69 | B190 | BEECH 1900 | | | 0.174243 | 91.466349 |
| 70 | FA7X | DASSAULT Falcon 7X | | | 0.172172 | 91.638521 |
| 71 | MD82 | MCDONNELL DOUGLAS MD-82 | | | 0.163190 | 91.801711 |
| 72 | GLF4 | GULFSTREAM IV | 6% (FA7X) | | 0.162473 | 91.964184 |
| 73 | B753 | BOEING 757-300 | | | 0.159685 | 92.123869 |
| 74 | A310 | AIRBUS A-310 | | | 0.158695 | 92.282564 |
| 75 | PA34 | PIPER PA-34 Seneca | | | 0.158361 | 92.440925 |
| 76 | E135 | EMBRAER ERJ-135 | | | 0.156199 | 92.597124 |
| 77 | C172 | CESSNA 172 | | | 0.154896 | 92.752020 |
| 78 | EC25 | EUROCOPTER EC-725 Caracal | | | 0.154684 | 92.906704 |
| 79 | B764 | BOEING 767-400 | | | 0.146298 | 93.053002 |
| 80 | A139 | AGUSTA AW-139 | | | 0.144429 | 93.197431 |
| 81 | SR22 | CIRRUS SR-22 | | | 0.142843 | 93.340275 |
| 82 | B762 | BOEING 767-200 | | | 0.140843 | 93.481118 |
| 83 | C130 | LOCKHEED C-130 Karnaf | | | 0.139469 | 93.620586 |
| 84 | SW4 | SWEARINGEN Merlin 4 | | | 0.138752 | 93.759338 |
| 85 | P180 | PIAGGIO P-180 Avanti | | | 0.137216 | 93.896554 |
| 86 | P28A | PIPER PA-28-161 Cadet | | | 0.135004 | 94.031558 |
| 87 | C25B | CESSNA 525B Citation CJ3 | | | 0.130477 | 94.162035 |
| 88 | MD11 | MCDONNELL DOUGLAS MD-11 | | | 0.128821 | 94.290856 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|-----------------------------------|--------------|--------------|-----------|----------------------|
| 89 | C17 | BOEING C-17 Globemaster 3 | 6% (B764) | | 0.124284 | 94.415140 |
| 90 | BE9L | BEECHCRAFT King Air 90 | | | 0.121223 | 94.536364 |
| 91 | E55P | EMBRAER EMB-505 Phenom 300 | | | 0.121102 | 94.657466 |
| 92 | JS32 | JETSTREAM Jetstream Super 31 | | | 0.118799 | 94.776264 |
| 93 | L410 | LET L-410 Turbolet | | | 0.118566 | 94.894831 |
| 94 | C680 | CESSNA 680 Citation Sovereign | | | 0.117273 | 95.012104 |
| 95 | B350 | BEECHCRAFT King Air 350 | | | 0.116637 | 95.128740 |
| 96 | DA40 | DIAMOND DA-40 Katana | | | 0.116091 | 95.244831 |
| 97 | P46T | PIPER PA-46-500TP Malibu Meridian | | | 0.109100 | 95.353931 |
| 98 | LJ35 | LEARJET 35 | | | 0.107352 | 95.461284 |
| 99 | J328 | DORNIER 328 Jet | 11% (E135) | | 0.106584 | 95.567868 |
| 100 | TB20 | SOCATA TB-20 Pashosh | | | 0.097704 | 95.665572 |
| 101 | GL5T | BOMBARDIER Global 5000 | | | 0.093643 | 95.759215 |
| 102 | TBM7 | TBM TBM-700 | | | 0.093016 | 95.852231 |
| 103 | LJ45 | LEARJET 45 | | | 0.092804 | 95.945035 |
| 104 | SU95 | SUKHOI Superjet 100-95 | | | 0.090905 | 96.035940 |
| 105 | PA44 | PIPER PA-44 Seminole | | | 0.086874 | 96.122814 |
| 106 | C30J | LOCKHEED-MARTIN C-130J Hercules | 4% (C130) | | 0.082257 | 96.205071 |
| 107 | E120 | EMBRAER EMB-120 Brasilia | | | 0.076145 | 96.281215 |
| 108 | LJ60 | LEARJET 60 | | | 0.076054 | 96.357269 |
| 109 | BE40 | BEECH 400 Beechjet | | | 0.070770 | 96.428039 |
| 110 | B463 | BRITISH AEROSPACE BAe-146-300 | | | 0.069931 | 96.497971 |
| 111 | EC55 | EUROCOPTER EC-155 | | | 0.069093 | 96.567064 |
| 112 | PRM1 | HAWKER BEECHCRAFT Premier 1 | | | 0.068477 | 96.635540 |
| 113 | P28R | PIPER PA-28R-201 Arrow | | | 0.067891 | 96.703431 |
| 114 | E35L | EMBRAER EMB-135BJ Legacy | | | 0.067002 | 96.770433 |
| 115 | B789 | BOEING 787-9 Dreamliner | | | 0.062476 | 96.832908 |
| 116 | PA31 | PIPER PA-31-310 Navajo | | | 0.061839 | 96.894747 |
| 117 | E50P | EMBRAER EMB-500 Phenom 100 | | | 0.060980 | 96.955728 |
| 118 | C160 | TRANSALL C-160 | | | 0.059798 | 97.015526 |
| 119 | C25C | CESSNA 525C Citation CJ4 | | | 0.059384 | 97.074910 |
| 120 | AN26 | ANTONOV An-26 | 5% (AN30) | | 0.058738 | 97.133648 |
| 121 | TRIS | BRITTEN-NORMAN Trislander | 14% (DA42) | | 0.057970 | 97.191618 |
| 122 | PA46 | PIPER PA-46-310P Malibu | | | 0.057556 | 97.249173 |
| 123 | D228 | RUAG Dornier 228 | | | 0.057535 | 97.306709 |
| 124 | C295 | CASA C-295 | 8% (F27) | | 0.057374 | 97.364082 |
| 125 | C560 | CESSNA 560 Citation 5 | | | 0.056869 | 97.420951 |
| 126 | K35R | BOEING KC-135R Stratotanker | 7% (B703) | | 0.056737 | 97.477688 |
| 127 | CN35 | CASA CN-235 | 5% (AT43) | | 0.056040 | 97.533728 |
| 128 | BE58 | BEECH 58 Baron | | | 0.055383 | 97.589112 |
| 129 | GLF6 | GULFSTREAM G650 | 2% (GLEX) | | 0.053464 | 97.642576 |
| 130 | E121 | EMBRAER EMB-121 Xingu | 12% (PAY2) | | 0.051676 | 97.694252 |
| 131 | C182 | CESSNA 182 | | | 0.050221 | 97.744472 |
| 132 | B462 | BRITISH AEROSPACE BAe-146-200 | | | 0.049736 | 97.794208 |
| 133 | FA50 | DASSAULT Falcon 50 | | | 0.049504 | 97.843712 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|---|--------------|--------------|-----------|----------------------|
| 134 | GALX | IAI 1126 Galaxy | 4% (HA4T) | | 0.048564 | 97.892276 |
| 135 | C650 | CESSNA 650 Citation 7 | | | 0.048120 | 97.940396 |
| 136 | C208 | CESSNA 208 Caravan 1 | | | 0.044301 | 97.984697 |
| 137 | ZZZZ | Aircraft type not (yet) assigned a designator | | | 0.041755 | 98.026451 |
| 138 | SR20 | CIRRUS SR-20 | | | 0.040512 | 98.066963 |
| 139 | A3ST | AIRBUS A-300ST Beluga | | | 0.035926 | 98.102889 |
| 140 | DHC6 | DEHAVILLAND CANADA DHC-6 Twin Otter | 14% (C208) | | 0.034481 | 98.137370 |
| 141 | S22T | CIRRUS SR-22T | 10% (PA34) | | 0.034067 | 98.171436 |
| 142 | CRJ1 | CANADAIR CL-600 Regional Jet RJ-100 | | | 0.033925 | 98.205362 |
| 143 | AN12 | ANTONOV An-12 | | | 0.033905 | 98.239266 |
| 144 | IL76 | ILYUSHIN IL-76 | | | 0.033642 | 98.272909 |
| 145 | TBM8 | SOCATA TBM-850 | | | 0.031652 | 98.304561 |
| 146 | M20P | MOONEY M-20L PFM | | | 0.029429 | 98.333990 |
| 147 | C750 | CESSNA 750 Citation 10 | | | 0.029268 | 98.363258 |
| 148 | C27J | ALENIA C-27J Spartan | 7% (AN30) | | 0.029157 | 98.392415 |
| 149 | AS32 | AEROSPATIALE AS-332L Tiger | | | 0.028298 | 98.420712 |
| 150 | JS31 | BAE Jetstream 31 | 2% (JS32) | | 0.027783 | 98.448495 |
| 151 | C310 | CESSNA 310 | 16% (P28U) | | 0.027641 | 98.476136 |
| 152 | EC35 | EUROCOPTER EC-635 | | | 0.027500 | 98.503636 |
| 153 | M20T | MOONEY M-20M TLS | | | 0.027419 | 98.531055 |
| 154 | F16 | GENERAL DYNAMICS F-16 Fighting Falcon | 6% (FGTN) | | 0.025964 | 98.557019 |
| 155 | PAY3 | PIPER PA-42-720 Cheyenne 3 | | | 0.025833 | 98.582852 |
| 156 | EC75 | EUROCOPTER-HARBIN EC-175 | | | 0.024924 | 98.607776 |
| 157 | P06T | TECNAM P-2006T | | | 0.024287 | 98.632063 |
| 158 | P28T | PIPER PA-28RT-201 Arrow 4 | | | 0.023186 | 98.655249 |
| 159 | T204 | TUPOLEV Tu-204 | | | 0.023135 | 98.678384 |
| 160 | FA10 | DASSAULT Falcon 10 | | | 0.022863 | 98.701247 |
| 161 | P3 | LOCKHEED P-3 Orion | 14% (AN12) | | 0.022267 | 98.723513 |
| 162 | EUFI | EUROFIGHTER 2000 | 5% (FGTN) | | 0.021943 | 98.745456 |
| 163 | A189 | AGUSTAWESTLAND AW-189 | | | 0.021266 | 98.766723 |
| 164 | F406 | CESSNA F406 Vigilant | 7% (PAY3) | | 0.021216 | 98.787939 |
| 165 | C425 | CESSNA 425 Corsair | 21% (BE20) | | 0.020650 | 98.808589 |
| 166 | SW3 | SWEARINGEN Merlin 3 | 7% (PAY3) | | 0.019822 | 98.828410 |
| 167 | A345 | AIRBUS A-340-500 | | | 0.019761 | 98.848171 |
| 168 | PAY2 | PIPER PA-31T-620 Cheyenne 2 | | | 0.019347 | 98.867518 |
| 169 | A359 | AIRBUS A-350-900 XWB | | | 0.018821 | 98.886340 |
| 170 | G150 | GULFSTREAM G150 | 6% (C650) | | 0.018741 | 98.905080 |
| 171 | LJ55 | LEARJET 55 | 5% (LJ60) | | 0.018549 | 98.923629 |
| 172 | BE36 | BEECHCRAFT G36 Bonanza | | | 0.018347 | 98.941976 |
| 173 | B773 | BOEING 777-300 | | | 0.017710 | 98.959686 |
| 174 | TOBA | SOCATA TB-10 Tobago | 7% (C172) | | 0.017650 | 98.977336 |
| 175 | BE33 | BEECH 33 Bonanza | 6% (P28T) | | 0.017619 | 98.994955 |
| 176 | EA50 | ECLIPSE Eclipse 500 | | | 0.017296 | 99.012251 |
| 177 | LJ31 | LEARJET 31 | 6% (LJ45) | | 0.016761 | 99.029011 |
| 178 | FA20 | DASSAULT Falcon 20 | | | 0.016296 | 99.045307 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|-------------|----------------|----------------------------------|---------------------|---------------------|------------------|-----------------------------|
| 179 | M28 | PZL-MIELEC M-28 | 18% (JS32) | | 0.015882 | 99.061189 |
| 180 | PA30 | PIPER PA-30B Twin Comanche | 6% (M20P) | | 0.015578 | 99.076767 |
| 181 | P68 | PARTENAVIA P-68 Observer | 11% (C82S) | | 0.015306 | 99.092073 |
| 182 | C5 | LOCKHEED C-5 Galaxy | 6% (A345) | | 0.015124 | 99.107197 |
| 183 | G280 | GULFSTREAM G280 | 2% (HA4T) | | 0.014205 | 99.121401 |
| 184 | A400 | AIRBUS A-400M | 14% (IL76) | | 0.013861 | 99.135262 |
| 185 | SH36 | SHORT 360 | | | 0.013811 | 99.149073 |
| 186 | C551 | CESSNA 551 Citation 2SP | | | 0.013437 | 99.162509 |
| 187 | PUMA | AEROSPATIALE Puma | | | 0.013356 | 99.175865 |
| 188 | C340 | CESSNA 340 | 11% (C421) | | 0.013285 | 99.189151 |
| 189 | DC10 | MCDONNELL DOUGLAS DC-10 | | | 0.013083 | 99.202234 |
| 190 | LJ40 | LEARJET 40 | 1% (LJ45) | | 0.013022 | 99.215256 |
| 191 | BE30 | BEECH 300 Super King Air | | | 0.012891 | 99.228147 |
| 192 | AS55 | AEROSPATIALE AS-555 Fennec | | | 0.012831 | 99.240978 |
| 193 | C501 | CESSNA 501 Citation 1SP | 5% (C551) | | 0.012719 | 99.253697 |
| 194 | A124 | ANTONOV An-124 Ruslan | | | 0.012659 | 99.266356 |
| 195 | PAY1 | PIPER PA-31T1-500 Cheyenne 1 | 6% (PAY2) | | 0.012234 | 99.278590 |
| 196 | C210 | CESSNA 210 Centurion | 7% (SR22) | | 0.012164 | 99.290754 |
| 197 | ASTR | IAI 1125 Astra | 7% (FA10) | | 0.011992 | 99.302746 |
| 198 | BE55 | BEECH 55 Baron | 4% (PA27) | | 0.011770 | 99.314516 |
| 199 | AN24 | ANTONOV An-24 | | | 0.011739 | 99.326255 |
| 200 | MD83 | MCDONNELL DOUGLAS MD-83 | | | 0.010951 | 99.337207 |
| 201 | AN28 | ANTONOV An-28 | | | 0.010679 | 99.347885 |
| 202 | A148 | ANTONOV An-148 | | | 0.010578 | 99.358463 |
| 203 | TOR | PANAVIA Tornado | 15% (FGTN) | | 0.010305 | 99.368768 |
| 204 | DHC7 | DEHAVILLAND CANADA DHC-7 Dash 7 | 10% (AN30) | | 0.009982 | 99.378749 |
| 205 | V22 | BELL-BOEING V-22 Osprey | 22% (SF34) | | 0.009982 | 99.388731 |
| 206 | AT73 | ATR ATR-72-212 | | | 0.009860 | 99.398591 |
| 207 | LJ75 | LEARJET 75 | 3% (C650) | | 0.009840 | 99.408431 |
| 208 | AS3B | AEROSPATIALE AS-532A2 Cougar Mk2 | | | 0.009790 | 99.418221 |
| 209 | A342 | AIRBUS A-340-200 | | | 0.009689 | 99.427910 |
| 210 | AS65 | AEROSPATIALE AS-565 Panther | | | 0.009416 | 99.437325 |
| 211 | HA4T | HAWKER BEEHCRAFT Hawker 4000 | | | 0.009345 | 99.446670 |
| 212 | EC45 | EUROCOPTER-KAWASAKI EC-145 | | | 0.009284 | 99.455955 |
| 213 | PA32 | PIPER PA-32 Cherokee Six | 6% (PA44) | | 0.009234 | 99.465189 |
| 214 | A109 | AGUSTA A-109 | | | 0.009022 | 99.474211 |
| 215 | BE76 | BEECH 76 Duchess | 9% (C82S) | | 0.008901 | 99.483111 |
| 216 | G120 | GROB G-120A | 7% (BE36) | | 0.008698 | 99.491810 |
| 217 | P210 | CESSNA P210 Pressurized | 8% (PA34) | | 0.008638 | 99.500448 |
| 218 | YK40 | YAKOVLEV Yak-40 | | | 0.008567 | 99.509015 |
| 219 | C500 | CESSNA 500 Citation 1 | 8% (C551) | | 0.008517 | 99.517531 |
| 220 | COL4 | CESSNA 400 Corvalis TT | 7% (M20T) | | 0.008446 | 99.525977 |
| 221 | C421 | CESSNA 421 | | | 0.008426 | 99.534403 |
| 222 | C414 | CESSNA 414 Chancellor | 12% (C421) | | 0.008345 | 99.542748 |
| 223 | BE10 | BEECH 100 King Air | 8% (BE9L) | | 0.007981 | 99.550729 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|---------------------------------------|--------------|--------------|-----------|----------------------|
| 224 | A10 | FAIRCHILD A-10 Thunderbolt II | 64% (FGTN) | | 0.007698 | 99.558427 |
| 225 | AN72 | ANTONOV An-72 | 9% (F100) | | 0.007618 | 99.566045 |
| 226 | AC11 | ROCKWELL Commander 115 | 5% (M20T) | | 0.007607 | 99.573652 |
| 227 | GLF3 | GULFSTREAM III | 6% (FA7X) | | 0.007446 | 99.581098 |
| 228 | T154 | TUPOLEV Tu-154 | | | 0.007395 | 99.588493 |
| 229 | E3TF | BOEING E-3A (TF33) Sentry | 5% (B762) | | 0.007385 | 99.595879 |
| 230 | H60 | SIKORSKY HH-60 Jayhawk | | | 0.007254 | 99.603132 |
| 231 | B461 | BAE 146-100 Statesman | 3% (B462) | | 0.007143 | 99.610275 |
| 232 | AC90 | ROCKWELL Turbo Commander 690 | 3% (PAY3) | | 0.006931 | 99.617205 |
| 233 | C10T | CESSNA P210 Turbine | 8% (E500) | | 0.006840 | 99.624045 |
| 234 | C82R | CESSNA R182 Skylane RG | 3% (TB20) | | 0.006718 | 99.630763 |
| 235 | ATLA | DASSAULT Atlantic | 16% (AN12) | | 0.006334 | 99.637098 |
| 236 | P32R | PIPER PA-32R-301 Saratoga SP | 6% (C82S) | | 0.006244 | 99.643341 |
| 237 | AN30 | ANTONOV An-30 | | | 0.006173 | 99.649514 |
| 238 | BN2T | BRITTEN-NORMAN BN-2T Turbine Islander | 11% (C208) | | 0.006092 | 99.655606 |
| 239 | AJET | DASSAULT-DORNIER Alpha Jet | 92% (FGTN) | | 0.006082 | 99.661688 |
| 240 | C72R | CESSNA 172RG Cutlass RG | 7% (DA40) | | 0.005930 | 99.667618 |
| 241 | NH90 | NHI NH-90 | | | 0.005860 | 99.673478 |
| 242 | C303 | CESSNA Crusader | 10% (PA31) | | 0.005819 | 99.679297 |
| 243 | CL2T | CANADAIR CL-415 | 15% (SH36) | | 0.005789 | 99.685086 |
| 244 | S76 | SIKORSKY S-76 | | | 0.005607 | 99.690693 |
| 245 | TB30 | SOCATA TB-30 Epsilon | 17% (TB20) | | 0.005557 | 99.696250 |
| 246 | MU2 | MITSUBISHI MU-2 | | | 0.005516 | 99.701766 |
| 247 | BE35 | BEECH 35 Bonanza | 7% (BE36) | | 0.005435 | 99.707201 |
| 248 | C441 | CESSNA 441 Conquest | 9% (BE20) | | 0.005395 | 99.712596 |
| 249 | A30B | AIRBUS A-300B2 | | | 0.005354 | 99.717950 |
| 250 | C206 | CESSNA 206 Stationair | 7% (DA40) | | 0.005264 | 99.723214 |
| 251 | H25C | HAWKER 1000 | 5% (H25B) | | 0.005112 | 99.728326 |
| 252 | P28U | PIPER PA-28RT-201T Turbo Arrow 4 | | | 0.005092 | 99.733418 |
| 253 | A140 | ANTONOV An-140 | | | 0.005061 | 99.738479 |
| 254 | Z43 | ZLIN Z-43 | 6% (C172) | | 0.004930 | 99.743409 |
| 255 | C402 | CESSNA 402 | 19% (PA31) | | 0.004789 | 99.748198 |
| 256 | AA5 | GRUMMAN AMERICAN AA-5 Cheetah | 9% (P28A) | | 0.004718 | 99.752916 |
| 257 | B742 | BOEING 747-200 | | | 0.004688 | 99.757604 |
| 258 | B06 | COMMONWEALTH BA-206 Kiowa | | | 0.004455 | 99.762059 |
| 259 | PAY4 | PIPER Cheyenne 400 | 7% (P180) | | 0.004364 | 99.766424 |
| 260 | AEST | PIPER Aerostar | 11% (B58T) | | 0.004354 | 99.770778 |
| 261 | PC6T | PILATUS PC-6C Turbo-Porter | 29% (C208) | | 0.004294 | 99.775072 |
| 262 | F260 | SIAI-MARCHETTI SF-260 | 12% (M20P) | | 0.004213 | 99.779284 |
| 263 | MIR2 | DASSAULT Mirage 2000 | 12% (FGTN) | | 0.004112 | 99.783396 |
| 264 | C55B | CESSNA 550B Citation Bravo | | | 0.004071 | 99.787468 |
| 265 | E3CF | BOEING E-3A (CFM56) Sentry | 4% (B762) | | 0.004061 | 99.791529 |
| 266 | BE9T | BEECH 90 (F90) King Air | 7% (BE9L) | | 0.004061 | 99.795590 |
| 267 | F4 | MCDONNELL F-4 Phantom 2 | 13% (FGTN) | | 0.004041 | 99.799631 |
| 268 | SB39 | SAAB 39 Gripen | 30% (FGTN) | | 0.004031 | 99.803662 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|--------------------------------|--------------|--------------|-----------|----------------------|
| 269 | BN2P | BRITTEN-NORMAN BN-2 Islander | 13% (DA42) | | 0.004021 | 99.807683 |
| 270 | C135 | BOEING C-135 Stratolifter | 6% (B703) | | 0.003980 | 99.811664 |
| 271 | HAR | HAWKER SIDDELEY Harrier | 41% (FGTN) | | 0.003970 | 99.815634 |
| 272 | B412 | BELL 412 | | | 0.003869 | 99.819504 |
| 273 | HAWK | HAWKER SIDDELEY Hawk | 76% (FGTN) | | 0.003778 | 99.823282 |
| 274 | C212 | CASA C-212 Aviocar | 17% (JS32) | | 0.003738 | 99.827020 |
| 275 | YK42 | YAKOVLEV Yak-42 | | | 0.003728 | 99.830748 |
| 276 | U2 | LOCKHEED U-2 | 264% (FGTL) | | 0.003708 | 99.834456 |
| 277 | TB21 | SOCATA TB-21 Trinidad TC | | | 0.003688 | 99.838143 |
| 278 | COL3 | CESSNA 350 Corvalis | 5% (SR22) | | 0.003607 | 99.841750 |
| 279 | P28B | PIPER PA-28-236 Dakota | 6% (C182) | | 0.003597 | 99.845347 |
| 280 | BE60 | BEECH 60 Duke | 7% (C421) | | 0.003475 | 99.848822 |
| 281 | M339 | AERMACCHI MB-339 | 87% (FGTN) | | 0.003435 | 99.852257 |
| 282 | MD87 | MCDONNELL-DOUGLAS MD-87 | 1% (MD82) | | 0.003395 | 99.855651 |
| 283 | DR40 | ROBIN DR-400 | 14% (DA40) | | 0.003374 | 99.859026 |
| 284 | IL96 | ILYUSHIN IL-96 | | | 0.003314 | 99.862339 |
| 285 | PC7 | PILATUS PC-7 Turbo Trainer | 11% (E500) | | 0.003233 | 99.865572 |
| 286 | PA27 | PIPER PA-23-235 Aztec | | | 0.003192 | 99.868765 |
| 287 | SW2 | SWEARINGEN Merlin 2 | 5% (BE9L) | | 0.003162 | 99.871927 |
| 288 | F18 | | | | 0.003152 | 99.875079 |
| 289 | B74S | BOEING 747SP | 3% (B742) | | 0.003091 | 99.878171 |
| 290 | GA7 | GRUMMAN AMERICAN GA-7 Cougar | 7% (SR22) | | 0.003031 | 99.881201 |
| 291 | E550 | EMBRAER EMB-550 Legacy 500 | | | 0.003001 | 99.884202 |
| 292 | PC9 | PILATUS PC-9 | 36% (P180) | | 0.002920 | 99.887122 |
| 293 | EH10 | EH10 EH-101 | | | 0.002788 | 99.889910 |
| 294 | E500 | EXTRA EA-500 | | | 0.002768 | 99.892678 |
| 295 | PC21 | PILATUS PC-21 | 19% (PAY2) | | 0.002768 | 99.895446 |
| 296 | F15 | BOEING F-15 Eagle | 45% (FGTN) | | 0.002647 | 99.898093 |
| 297 | C404 | CESSNA 404 Titan | 15% (B58T) | | 0.002516 | 99.900609 |
| 298 | B703 | BOEING 707-300 | | | 0.002425 | 99.903033 |
| 299 | MG29 | MIKOYAN MiG 29 | 12% (FGTN) | | 0.002324 | 99.905357 |
| 300 | R90R | RUSCHMEYER R-90-230RG | 10% (SR20) | | 0.002233 | 99.907590 |
| 301 | C337 | CESSNA 337 Super Skymaster | 11% (C82S) | | 0.002192 | 99.909782 |
| 302 | PA24 | PIPER PA-24 Comanche | 11% (M20T) | | 0.002172 | 99.911954 |
| 303 | PA23 | PIPER PA-23-160 Apache | 5% (C182) | | 0.002142 | 99.914096 |
| 304 | B722 | BOEING 727-200 | | | 0.002101 | 99.916197 |
| 305 | MF17 | SAAB MFI-17 Supporter | 10% (P06T) | | 0.002071 | 99.918268 |
| 306 | C77R | CESSNA 177RG Cardinal RG | 7% (P28A) | | 0.002051 | 99.920319 |
| 307 | AS50 | AEROSPATIALE AS-350 AStar | | | 0.001899 | 99.922219 |
| 308 | C177 | CESSNA 177 Cardinal | 5% (C172) | | 0.001808 | 99.924027 |
| 309 | S65C | AEROSPATIALE SA-365C Dauphin 2 | | | 0.001798 | 99.925825 |
| 310 | BE95 | BEECH 95 Travel Air | 10% (P28T) | | 0.001748 | 99.927573 |
| 311 | DC93 | DOUGLAS DC-9-30 | | | 0.001667 | 99.929240 |
| 312 | L39 | AERO L-39 Albatros | 25% (C510) | | 0.001637 | 99.930877 |
| 313 | MI8 | MIL Mi-8 | | | 0.001586 | 99.932463 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|----------------------------------|--------------|--------------|-----------|----------------------|
| 314 | P66T | PIAGGIO P-166DL3 | 4% (BE99) | | 0.001566 | 99.934029 |
| 315 | BK17 | MBB-KAWASAKI BK-117 | | | 0.001495 | 99.935524 |
| 316 | TAMP | SOCATA TB-9 Tampico | 10% (P28A) | | 0.001495 | 99.937019 |
| 317 | E400 | EXTRA EA-400 | 1% (PA34) | | 0.001475 | 99.938494 |
| 318 | EVOT | LANCAIR Evolution Turbine | 15% (TBM7) | | 0.001455 | 99.939949 |
| 319 | T6 | NORTH AMERICAN T-6 Texan | 11% (PA46) | | 0.001394 | 99.941343 |
| 320 | L200 | LET L-200 Morava | 8% (BE36) | | 0.001334 | 99.942677 |
| 321 | AT44 | ATR ATR42-400 | 0% (AT45) | | 0.001323 | 99.944000 |
| 322 | P32T | PIPER Turbo Lance 2 | 8% (C82S) | | 0.001303 | 99.945304 |
| 323 | RF6 | FOURNIER RF-6 | 11% (C162) | | 0.001283 | 99.946587 |
| 324 | F5 | NORTHROP F-5 | 60% (FGTN) | | 0.001253 | 99.947839 |
| 325 | B36T | BEECH Bonanza 36 Turbine | 18% (E500) | | 0.001243 | 99.949082 |
| 326 | S61 | SIKORSKY S-61A | | | 0.001202 | 99.950284 |
| 327 | TUCA | EMBRAER EMB-312 Tucano | 8% (TBM7) | | 0.001182 | 99.951466 |
| 328 | BLCF | BOEING 747-400LCF Dreamlifter | 2% (B77W) | | 0.001132 | 99.952598 |
| 329 | C101 | CASA Aviojet | 11% (C525) | | 0.001111 | 99.953709 |
| 330 | CE43 | CERVA CE-43 Guepard | 6% (SR22) | | 0.001111 | 99.954820 |
| 331 | C2 | GRUMMAN C-2 Greyhound | 37% (C160) | | 0.001071 | 99.955891 |
| 332 | M346 | AERMACCHI M-346 Master | 51% (FGTN) | | 0.001061 | 99.956952 |
| 333 | H47 | BOEING HH-47 | | | 0.001061 | 99.958013 |
| 334 | S2T | GRUMMAN S-2 Turbo Tracker | 14% (JS41) | | 0.001030 | 99.959043 |
| 335 | IL62 | ILYUSHIN IL-62 | 3% (A30B) | | 0.000940 | 99.959983 |
| 336 | LYNX | WESTLAND Lynx | | | 0.000929 | 99.960912 |
| 337 | KODI | QUEST Kodiak | 9% (C208) | | 0.000929 | 99.961842 |
| 338 | L159 | AERO L-159 Albatros 2 | 72% (FGTN) | | 0.000919 | 99.962761 |
| 339 | XL2 | LIBERTY XL-2 | 13% (C162) | | 0.000909 | 99.963670 |
| 340 | W3 | PZL-SWIDNIK W-3 Erka | | | 0.000828 | 99.964499 |
| 341 | SB05 | SAAB 105 | 28% (C25A) | | 0.000828 | 99.965327 |
| 342 | MD88 | MCDONNELL-DOUGLAS MD-88 | 0% (MD82) | | 0.000818 | 99.966146 |
| 343 | B732 | BOEING 737-200 | | | 0.000808 | 99.966954 |
| 344 | A743 | ANTONOV An-74-300 | 15% (A148) | | 0.000768 | 99.967722 |
| 345 | AN32 | ANTONOV An-32 | | | 0.000748 | 99.968469 |
| 346 | RFAL | DASSAULT Rafale | 9% (FGTN) | | 0.000717 | 99.969187 |
| 347 | T134 | TUPOLEV Tu-134 | | | 0.000677 | 99.969863 |
| 348 | AC95 | ROCKWELL Jetprop Commander 980 | 7% (BE20) | | 0.000667 | 99.970530 |
| 349 | C150 | CESSNA 150 | 16% (MAGC) | | 0.000657 | 99.971187 |
| 350 | B212 | BELL 212 | | | 0.000657 | 99.971844 |
| 351 | AT46 | ATR ATR42-600 | 0% (AT45) | | 0.000636 | 99.972480 |
| 352 | RJ70 | AVRO RJ70 | 1% (RJ85) | | 0.000626 | 99.973106 |
| 353 | LNC4 | LANCAIR IV-P | 27% (TBM7) | | 0.000616 | 99.973723 |
| 354 | E2 | GRUMMAN E-2 Hawkeye | 9% (SB20) | | 0.000606 | 99.974329 |
| 355 | P68T | PARTENAVIA AP-68TP-300 Spartacus | 7% (E500) | | 0.000566 | 99.974895 |
| 356 | M7 | MAULE M-7-235/MT-7/M | 9% (TB20) | | 0.000556 | 99.975450 |
| 357 | B105 | BOLKOW BO-105 | | | 0.000525 | 99.975976 |
| 358 | BE24 | BEECH 24 Sierra | 5% (P06T) | | 0.000525 | 99.976501 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|-------------------------------|--------------|--------------|-----------|----------------------|
| 359 | DC3T | BASLER Turbo 67 | 17% (F27) | | 0.000515 | 99.977016 |
| 360 | TEX2 | HAWKER BEECHCRAFT T-6 Texan 2 | 9% (TBM7) | | 0.000505 | 99.977521 |
| 361 | S330 | SCHWEIZER 330 | | | 0.000485 | 99.978006 |
| 362 | S05R | SIAI-MARCHETTI S-205-20R | 4% (C182) | | 0.000485 | 99.978491 |
| 363 | SC7 | SHORT SC-7 Skyvan | 11% (D228) | | 0.000475 | 99.978966 |
| 364 | P28S | PIPER PA-28R-201T Turbo Arrow | 1% (P28U) | | 0.000475 | 99.979441 |
| 365 | EXPL | BOEING Explorer | | | 0.000455 | 99.979895 |
| 366 | IL18 | ILYUSHIN IL-18 | 12% (C130) | | 0.000445 | 99.980340 |
| 367 | P8 | BOEING P-8 Poseidon | 1% (B739) | | 0.000434 | 99.980774 |
| 368 | AT8T | AIR TRACTOR AT-802 | 18% (AN38) | | 0.000424 | 99.981199 |
| 369 | F27 | FAIRCHILD HILLER F-27 | | | 0.000394 | 99.981593 |
| 370 | DC3 | DOUGLAS DC-3 | 24% (F27) | | 0.000384 | 99.981977 |
| 371 | VTOR | PARTENAVIA AP-68TP-600 Viator | 10% (E500) | | 0.000374 | 99.982350 |
| 372 | B52 | BOEING B-52 Stratofortress | 22% (FGTL) | | 0.000364 | 99.982714 |
| 373 | R722 | BOEING 727-200RE Super 27 | 2% (B722) | | 0.000364 | 99.983078 |
| 374 | LJ25 | LEARJET 25 | 14% (LJ45) | | 0.000343 | 99.983421 |
| 375 | B429 | BELL 429 GlobalRanger | | | 0.000323 | 99.983745 |
| 376 | TBM9 | SOCATA TBM-900 | 0% (TBM8) | | 0.000323 | 99.984068 |
| 377 | B743 | BOEING 747-300 | | | 0.000323 | 99.984391 |
| 378 | G12T | GROB G-120TP | 16% (E500) | | 0.000323 | 99.984714 |
| 379 | GLF2 | GULFSTREAM II | 6% (FA7X) | | 0.000323 | 99.985038 |
| 380 | MU30 | MITSUBISHI MU-300 Diamond | 2% (BE40) | | 0.000313 | 99.985351 |
| 381 | LNP4 | LANCAIR IV PropJet | 24% (TBM7) | | 0.000313 | 99.985664 |
| 382 | CL35 | BOMBARDIER Challenger 350 | 3% (E550) | | 0.000313 | 99.985977 |
| 383 | A225 | ANTONOV An-225 Mriya | 20% (B744) | | 0.000303 | 99.986280 |
| 384 | HR10 | ROBIN HR-100 Tiara | 9% (M20P) | | 0.000283 | 99.986563 |
| 385 | E314 | EMBRAER EMB-312H/314 | 36% (BE20) | | 0.000273 | 99.986836 |
| 386 | C152 | CESSNA 152 | 9% (C162) | | 0.000273 | 99.987109 |
| 387 | R44 | ROBINSON R-44 Raven | | | 0.000253 | 99.987361 |
| 388 | AMX | AMX A-1 | 65% (FGTN) | | 0.000253 | 99.987614 |
| 389 | SS2T | THRUSH S-2R-H80 Turbo Thrush | 28% (P750) | | 0.000253 | 99.987867 |
| 390 | DA2 | DAVIS DA-2 | 20% (MAGC) | | 0.000253 | 99.988119 |
| 391 | S601 | AEROSPATIALE SN-601 Corvette | 9% (C525) | | 0.000232 | 99.988351 |
| 392 | TJJJ | | | | 0.000232 | 99.988584 |
| 393 | B721 | BOEING 727-100 | 18% (B752) | | 0.000222 | 99.988806 |
| 394 | R721 | BOEING 727-100 | 5% (B722) | | 0.000222 | 99.989028 |
| 395 | F1 | MITSUBISHI F-1 | 38% (FGTN) | | 0.000212 | 99.989241 |
| 396 | MG21 | MIKOYAN MiG 21 | 44% (FGTN) | | 0.000212 | 99.989453 |
| 397 | ETAR | DASSAULT Super Etendard | 66% (FGTN) | | 0.000212 | 99.989665 |
| 398 | LNC2 | LANCAIR LANCAIR 200/235 | 42% (TB20) | | 0.000202 | 99.989867 |
| 399 | R300 | ROBIN R-300 | 8% (C172) | | 0.000202 | 99.990069 |
| 400 | F22 | LOCKHEED-MARTIN F-22 Raptor | 22% (FGTN) | | 0.000192 | 99.990261 |
| 401 | RV8 | VAN'S RV-8 | 31% (TB21) | | 0.000192 | 99.990453 |
| 402 | SU24 | SUKHOI Su-24 | 36% (FGTN) | | 0.000182 | 99.990635 |
| 403 | TWEN | TECNAM P-2010 Twenty Ten | 11% (DA40) | | 0.000172 | 99.990806 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|-------------|----------------|-------------------------------|---------------------|---------------------|------------------|-----------------------------|
| 404 | SB35 | SAAB 35 Draken | 19% (FGTN) | | 0.000172 | 99.990978 |
| 405 | E6 | BOEING E-6 Mercury | 6% (DC87) | | 0.000162 | 99.991140 |
| 406 | IR23 | ICA IAR-823 | 7% (SR20) | | 0.000162 | 99.991301 |
| 407 | T38 | NORTHROP T-38 Talon | 114% (FGTN) | | 0.000162 | 99.991463 |
| 408 | C185 | CESSNA 185 Skywagon | 4% (C182) | | 0.000162 | 99.991625 |
| 409 | TS11 | PZL-MIELEC TS-11 Iskra | 13% (E50P) | | 0.000152 | 99.991776 |
| 410 | PZ3T | PZL-OKECIE PZL-130TC-1 | 41% (PAY3) | | 0.000152 | 99.991928 |
| 411 | TBM | GENERAL MOTORS TBM Avenger | 8% (JS32) | | 0.000152 | 99.992079 |
| 412 | B1 | ROCKWELL B-1 Lancer | 2% (FGTL) | | 0.000152 | 99.992231 |
| 413 | P750 | PACIFIC AEROSPACE P-750 XStol | | | 0.000141 | 99.992372 |
| 414 | C207 | CESSNA 207 Stationair 7 | 8% (PA44) | | 0.000141 | 99.992514 |
| 415 | M22 | MOONEY M-22 Mustang | 10% (PA34) | | 0.000141 | 99.992655 |
| 416 | GLAS | GLASAIR Glasair | 27% (M20P) | | 0.000141 | 99.992797 |
| 417 | SU17 | SUKHOI Su-17/20/22 | 28% (FGTN) | | 0.000141 | 99.992938 |
| 418 | ST10 | SOCATA ST-10 Diplomate | 7% (P28R) | | 0.000141 | 99.993080 |
| 419 | DC6 | DOUGLAS DC-6 | 18% (ATP) | | 0.000141 | 99.993221 |
| 420 | MI26 | MIL Mi-26 | | | 0.000141 | 99.993362 |
| 421 | S208 | SIAI-MARCHETTI S-208 | 4% (C182) | | 0.000121 | 99.993484 |
| 422 | A4 | DOUGLAS A-4 Skyhawk | 66% (FGTN) | | 0.000121 | 99.993605 |
| 423 | TR20 | TECH AERO TR-200 | 25% (P28R) | | 0.000121 | 99.993726 |
| 424 | PINO | GENERAL AVIA F.22 Pinguino | 20% (TB20) | | 0.000121 | 99.993847 |
| 425 | STAR | BEECH 2000 Starship | 17% (P180) | | 0.000121 | 99.993969 |
| 426 | EGRT | GROB G-520 Strato 1 | 69% (LJ45) | | 0.000111 | 99.994080 |
| 427 | SIRA | TECNAM P-2002 Sierra | 6% (C162) | | 0.000111 | 99.994191 |
| 428 | UH1 | FUJI UH-1 | | | 0.000111 | 99.994302 |
| 429 | MI14 | MIL Mi-14 | | | 0.000111 | 99.994413 |
| 430 | K35A | BOEING KC-135A Stratotanker | 5% (B703) | | 0.000111 | 99.994524 |
| 431 | LEG2 | LANCAIR Legacy | 29% (BE36) | | 0.000101 | 99.994625 |
| 432 | S360 | AEROSPATIALE SA-360 Dauphin | | | 0.000101 | 99.994726 |
| 433 | T206 | CESSNA T206 Turbo Stationair | 27% (PA31) | | 0.000101 | 99.994827 |
| 434 | PA38 | PIPER PA-38 Tomahawk | 11% (C162) | | 0.000091 | 99.994918 |
| 435 | A1 | DOUGLAS A-1 Skyraider | 26% (E120) | | 0.000091 | 99.995009 |
| 436 | TIGR | AUSTRALIAN AEROSPACE Tiger | | | 0.000091 | 99.995100 |
| 437 | S05F | SIAI-MARCHETTI S-205-20F | 4% (DA40) | | 0.000091 | 99.995191 |
| 438 | C06T | CESSNA 206 Turbine | 28% (P750) | | 0.000091 | 99.995282 |
| 439 | A270 | AERO Ae-270 Ibis | | | 0.000091 | 99.995373 |
| 440 | TPPP | | | | 0.000091 | 99.995464 |
| 441 | AC68 | AERO Commander 680 Super | 11% (C421) | | 0.000081 | 99.995545 |
| 442 | BT36 | BEECH Bonanza B36TC | 5% (PA34) | | 0.000081 | 99.995625 |
| 443 | SU27 | SUKHOI Su-27 | 16% (FGTN) | | 0.000081 | 99.995706 |
| 444 | AC50 | ROCKWELL Commander 500 | 17% (SR22) | | 0.000081 | 99.995787 |
| 445 | DV20 | DIAMOND DV-20 Katana | 16% (C172) | | 0.000081 | 99.995868 |
| 446 | IL38 | ILYUSHIN Il-38 | | | 0.000071 | 99.995939 |
| 447 | SB37 | SAAB 37 Viggen | 6% (FGTN) | | 0.000071 | 99.996009 |
| 448 | SB29 | SAAB 29 | 69% (FGTN) | | 0.000071 | 99.996080 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|-----------------------------------|--------------|--------------|-----------|----------------------|
| 449 | K35E | BOEING KC-135E Stratotanker | 8% (B703) | | 0.000071 | 99.996151 |
| 450 | LGEZ | RUTAN Long-EZ | 101% (PA31) | | 0.000071 | 99.996222 |
| 451 | AN22 | ANTONOV An-22 Antheus | 13% (A332) | | 0.000071 | 99.996292 |
| 452 | RV9 | VAN'S RV-9A | 25% (TB21) | | 0.000071 | 99.996363 |
| 453 | BE50 | BEECH 50 Twin Bonanza | 15% (C421) | | 0.000071 | 99.996434 |
| 454 | BE18 | BEECH 18 Twin Beech | 15% (PA46) | | 0.000071 | 99.996504 |
| 455 | H53 | SIKORSKY HH-53 | | | 0.000071 | 99.996575 |
| 456 | DHC5 | DE HAVILLAND CANADA DHC-5 Buffalo | | | 0.000071 | 99.996646 |
| 457 | C335 | CESSNA 335 | 6% (PA31) | | 0.000061 | 99.996706 |
| 458 | CONI | LOCKHEED (Super) Constellation | 12% (C160) | | 0.000061 | 99.996767 |
| 459 | T2 | ROCKWELL T-2 Buckeye | 8% (PRM1) | | 0.000061 | 99.996828 |
| 460 | WA42 | WASSMER WA-421/235 | 8% (P28T) | | 0.000061 | 99.996888 |
| 461 | AT5T | AIR TRACTOR AT-502/503/504 | 20% (P750) | | 0.000061 | 99.996949 |
| 462 | ERCO | ERCO Ercoupe 415-C | 7% (C162) | | 0.000061 | 99.997010 |
| 463 | DC7 | DOUGLAS DC-7 Seven Seas | 11% (C130) | | 0.000061 | 99.997070 |
| 464 | T210 | CESSNA T210 Turbo Centurion | 15% (C421) | | 0.000061 | 99.997131 |
| 465 | GC1 | GLOBE GC-1 Swift | 27% (C182) | | 0.000061 | 99.997191 |
| 466 | BL17 | BELLANCA 17 Viking | 4% (TB21) | | 0.000061 | 99.997252 |
| 467 | E737 | BOEING Wedgetail | | | 0.000061 | 99.997313 |
| 468 | D28T | DORNIER 128-6 Turbo Sky servant | 22% (P46T) | | 0.000051 | 99.997363 |
| 469 | SC01 | GYROFLUG SC-01 Speed Canard | 28% (P28R) | | 0.000051 | 99.997414 |
| 470 | R200 | ROBIN R-2100 Super Club | | | 0.000051 | 99.997464 |
| 471 | TBEE | UNITED CONSULTANT Twin Bee | 16% (C182) | | 0.000051 | 99.997515 |
| 472 | L70 | VALMET L-70 Vinka | 6% (DA40) | | 0.000051 | 99.997565 |
| 473 | B2 | NORTHROP B-2 Spirit | 22% (FGTL) | | 0.000051 | 99.997616 |
| 474 | LJ24 | LEARJET 24 | 15% (C25A) | | 0.000051 | 99.997666 |
| 475 | HUNT | HAWKER Hunter | 53% (FGTN) | | 0.000051 | 99.997717 |
| 476 | EVSS | EVEKTOR SportStar | | | 0.000051 | 99.997767 |
| 477 | AN70 | ANTONOV An-70 | | | 0.000051 | 99.997818 |
| 478 | MI2 | MIL Mi-2 | | | 0.000051 | 99.997868 |
| 479 | B58T | BEECH Baron (58TC) | | | 0.000040 | 99.997909 |
| 480 | GA8 | GIPPSAERO GA-8 Airvan TC | 9% (P28U) | | 0.000040 | 99.997949 |
| 481 | D250 | CENTRE EST DR-200/250 | 12% (C162) | | 0.000040 | 99.997990 |
| 482 | CL2P | CANADAIR CL-215 | | | 0.000040 | 99.998030 |
| 483 | AT6T | AIR TRACTOR AT-602 | | | 0.000040 | 99.998070 |
| 484 | P337 | CESSNA P337 Pressur. Skymaster | 12% (C82S) | | 0.000040 | 99.998111 |
| 485 | WW24 | IAI 1124 Westwind | 7% (BE40) | | 0.000040 | 99.998151 |
| 486 | LA25 | LAKE LA-250/270 | 9% (C172) | | 0.000040 | 99.998192 |
| 487 | RF4 | FOURNIER RF-4 | 74% (C182) | | 0.000040 | 99.998232 |
| 488 | SH33 | SHORT 330 | 8% (SH36) | | 0.000040 | 99.998272 |
| 489 | YK18 | YAKOVLEV Yak-18 | | | 0.000040 | 99.998313 |
| 490 | Z42 | ZLIN Z-42/142/242 | 9% (C172) | | 0.000040 | 99.998353 |
| 491 | L59 | AERO L-59 | 21% (PRM1) | | 0.000040 | 99.998394 |
| 492 | SU25 | SUKHOI Su-25 Scorpion | 72% (FGTN) | | 0.000040 | 99.998434 |
| 493 | SEEE | | | | 0.000040 | 99.998474 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|-----------------------------------|--------------|--------------|-----------|----------------------|
| 494 | BE19 | BEECH 19 Sport | 8% (P28A) | | 0.000040 | 99.998515 |
| 495 | A6 | GRUMMAN A-6E Intruder | 33% (FGTN) | | 0.000030 | 99.998545 |
| 496 | HR20 | ROBIN HR-200 | 13% (MAGC) | | 0.000030 | 99.998576 |
| 497 | LJ70 | LEARJET 70 | 3% (C650) | | 0.000030 | 99.998606 |
| 498 | DC91 | MCDONNELL-DOUGLAS DC-9-10 | 9% (B712) | | 0.000030 | 99.998636 |
| 499 | C170 | CESSNA 170 | 23% (EV97) | | 0.000030 | 99.998666 |
| 500 | C180 | CESSNA 180 | | | 0.000030 | 99.998697 |
| 501 | RANG | NAVION Rangemaster | 5% (TB21) | | 0.000030 | 99.998727 |
| 502 | P2 | LOCKHEED P-2 Neptune | | | 0.000030 | 99.998757 |
| 503 | D253 | CENTRE EST DR-253 Regent | 14% (DA40) | | 0.000030 | 99.998788 |
| 504 | G200 | GILES G-200 | 32% (E300) | | 0.000030 | 99.998818 |
| 505 | B25 | NORTH AMERICAN B-25 Mitchell | 9% (AT43) | | 0.000030 | 99.998848 |
| 506 | MEEE | | | | 0.000030 | 99.998879 |
| 507 | B430 | BELL 430 | | | 0.000030 | 99.998909 |
| 508 | P149 | PIAGGIO P-149 | 5% (C82S) | | 0.000030 | 99.998939 |
| 509 | ATL | ROBIN ATL | 20% (EV97) | | 0.000030 | 99.998970 |
| 510 | H2 | KAMAN Seaprite | | | 0.000030 | 99.999000 |
| 511 | P60 | POTTIER P-60 Minacro | 38% (MAGC) | | 0.000030 | 99.999030 |
| 512 | DC87 | DOUGLAS DC-8-70 | | | 0.000030 | 99.999060 |
| 513 | MI24 | MIL Mi-24 | | | 0.000020 | 99.999081 |
| 514 | VAMP | DE HAVILLAND DH-100 Vampire | 14% (C25A) | | 0.000020 | 99.999101 |
| 515 | C82 | FAIRCHILD C-82 Packet | | | 0.000020 | 99.999121 |
| 516 | S3 | LOCKHEED S-3 Viking | | | 0.000020 | 99.999141 |
| 517 | LANC | AVRO 683 Lancaster | 17% (F27) | | 0.000020 | 99.999161 |
| 518 | G115 | GROB G-115 | 9% (P28U) | | 0.000020 | 99.999182 |
| 519 | HUSK | CHRISTEN Husky | | | 0.000020 | 99.999202 |
| 520 | DR22 | CENTRE EST DR-221 Dauphin | 22% (P28A) | | 0.000020 | 99.999222 |
| 521 | LA4 | LAKE LA-4 | | | 0.000020 | 99.999242 |
| 522 | LNCE | LANCAIR Lancair ES-P | 3% (M20T) | | 0.000020 | 99.999262 |
| 523 | PA36 | PIPER PA-36 Pawnee Brave | 31% (P28A) | | 0.000020 | 99.999283 |
| 524 | PA22 | PIPER PA-22 Tri-Pacer | 17% (DA40) | | 0.000020 | 99.999303 |
| 525 | DH60 | DE HAVILLAND AUSTRALIA DH-60 Moth | | | 0.000020 | 99.999323 |
| 526 | WT9 | AEROSPOOL WT-9 Dynamic | 6% (C162) | | 0.000020 | 99.999343 |
| 527 | L101 | LOCKHEED L-1011 TriStar | | | 0.000020 | 99.999364 |
| 528 | BE23 | BEECH 23 Musketeer | 8% (C172) | | 0.000020 | 99.999384 |
| 529 | F28 | FOKKER F-28 Fellowship | | | 0.000020 | 99.999404 |
| 530 | JU52 | JUNKERS Ju-52/3m | 38% (SH36) | | 0.000020 | 99.999424 |
| 531 | BE99 | BEECH 99 Airliner | | | 0.000020 | 99.999444 |
| 532 | TRIM | FORD Tri-Motor | 34% (DA42) | | 0.000020 | 99.999465 |
| 533 | M6 | MAULE M-6 Super Rocket | 11% (C82S) | | 0.000020 | 99.999485 |
| 534 | DO28 | DORNIER Do-28A/B | 13% (PA27) | | 0.000020 | 99.999505 |
| 535 | MD81 | MCDONNELL-DOUGLAS MD-81 | 1% (MD82) | | 0.000010 | 99.999515 |
| 536 | BE12 | BERIEV Be-12 Tchaika | 23% (C160) | | 0.000010 | 99.999525 |
| 537 | B407 | BELL 407 | | | 0.000010 | 99.999535 |
| 538 | C195 | CESSNA 195 | 3% (C182) | | 0.000010 | 99.999545 |

| RANK | ICAO ID | FULL NAME | BADA 3 MODEL | BADA 4 MODEL | TRAFFIC % | CUMULATIVE TRAFFIC % |
|------|---------|--|--------------|--------------|-----------|----------------------|
| 539 | ULAC | (ANY MANUFACTURER) Ultralight aircraft | | | 0.000010 | 99.999555 |
| 540 | SK70 | STARKRAFT SK-700 | | | 0.000010 | 99.999566 |
| 541 | A119 | AGUSTA A-119 Koala | | | 0.000010 | 99.999576 |
| 542 | DH83 | DE HAVILLAND DH-83 Fox Moth | | | 0.000010 | 99.999586 |
| 543 | R135 | BOEING RC-135 | 9% (B703) | | 0.000010 | 99.999596 |
| 544 | C120 | CESSNA 120 | | | 0.000010 | 99.999606 |
| 545 | JS1 | HANDLEY PAGE Jetstream 1 | 9% (BE20) | | 0.000010 | 99.999616 |
| 546 | B222 | BELL 222 | | | 0.000010 | 99.999626 |
| 547 | FDCT | FLIGHT DESIGN CT | 4% (C162) | | 0.000010 | 99.999636 |
| 548 | GLST | GLASAIR GlaStar | 15% (P28U) | | 0.000010 | 99.999646 |
| 549 | R22 | ROBINSON R-22 | | | 0.000010 | 99.999657 |
| 550 | RV10 | VAN'S RV-10 | | | 0.000010 | 99.999667 |
| 551 | IR99 | AVIOANE IAR-99 Soim | 16% (C25A) | | 0.000010 | 99.999677 |
| 552 | BX2 | BRANDLI BX-2 Cherry | | | 0.000010 | 99.999687 |
| 553 | B701 | BOEING 707-100 | 3% (B752) | | 0.000010 | 99.999697 |
| 554 | T37 | CESSNA T-37-B | 10% (EA50) | | 0.000010 | 99.999707 |
| 555 | H269 | HUGHES 269 | | | 0.000010 | 99.999717 |
| 556 | M21 | PZL-MIELEC M-21 Dromader Mini | | | 0.000010 | 99.999727 |
| 557 | EC20 | EUROCOPTER EC-120 Colibri | | | 0.000010 | 99.999737 |
| 558 | PA11 | PIPER PA-11 Cub Special | 20% (EV97) | | 0.000010 | 99.999747 |
| 559 | KA27 | KAMOV Ka-27 | | | 0.000010 | 99.999758 |
| 560 | DHC4 | DEHAVILLAND CANADA DHC-4 Caribou | 9% (DH8A) | | 0.000010 | 99.999768 |
| 561 | P38 | LOCKHEED P-38 Lightning | 13% (C56X) | | 0.000010 | 99.999778 |
| 562 | B741 | BOEING 747-100 | 4% (B743) | | 0.000010 | 99.999788 |
| 563 | A149 | AGUSTA AW-149 | | | 0.000010 | 99.999798 |
| 564 | DHC2 | DEHAVILLAND CANADA DHC-2 Beaver | 20% (C182) | | 0.000010 | 99.999808 |
| 565 | D140 | JODEL D-140 Abeille | | | 0.000010 | 99.999818 |
| 566 | C141 | LOCKHEED C-141 Starlifter | 5% (A310) | | 0.000010 | 99.999828 |
| 567 | TFUN | VALENTIN Taifun | 10% (DIMO) | | 0.000010 | 99.999838 |
| 568 | M18 | PZL-MIELEC M-18 Dromader | 41% (TB21) | | 0.000010 | 99.999848 |
| 569 | DHC1 | DE HAVILLAND CANADA DHC-1 Chipmunk | | | 0.000010 | 99.999859 |
| 570 | B209 | BOLKOW BO-209 Monsun | | | 0.000010 | 99.999869 |
| 571 | A205 | OSKBES-MAI MAI-205 | | | 0.000010 | 99.999879 |
| 572 | PAT4 | PIPER PA-31T-3 T-1040 | 10% (BE99) | | 0.000010 | 99.999889 |
| 573 | DLTA | VERHEES Delta | | | 0.000010 | 99.999899 |
| 574 | BE77 | BEECH 77 Skipper | 9% (C162) | | 0.000010 | 99.999909 |
| 575 | GAZL | AEROSPATIALE Gazelle | | | 0.000010 | 99.999919 |
| 576 | C526 | CESSNA 526 CitationJet | 15% (E50P) | | 0.000010 | 99.999929 |
| 577 | F104 | LOCKHEED F-104 Starfighter | 36% (FGTN) | | 0.000010 | 99.999939 |
| 578 | DOVE | DE HAVILLAND DH-104 Dove | 17% (PA31) | | 0.000010 | 99.999949 |
| 579 | E45X | EMBRAER EMB-145XR | 2% (E145) | | 0.000010 | 99.999960 |
| 580 | PA18 | PIPER PA-18 Super Cub | 26% (P28T) | | 0.000010 | 99.999970 |
| 581 | C15 | MCDONNELL DOUGLAS YC-15 | | | 0.000010 | 99.999980 |
| 582 | F8L | SEQUOIA F-8L Falco | 19% (P28T) | | 0.000010 | 99.999990 |
| 583 | C125 | NORTHROP C-125 Raider | 33% (AN38) | | 0.000010 | 100.000000 |

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