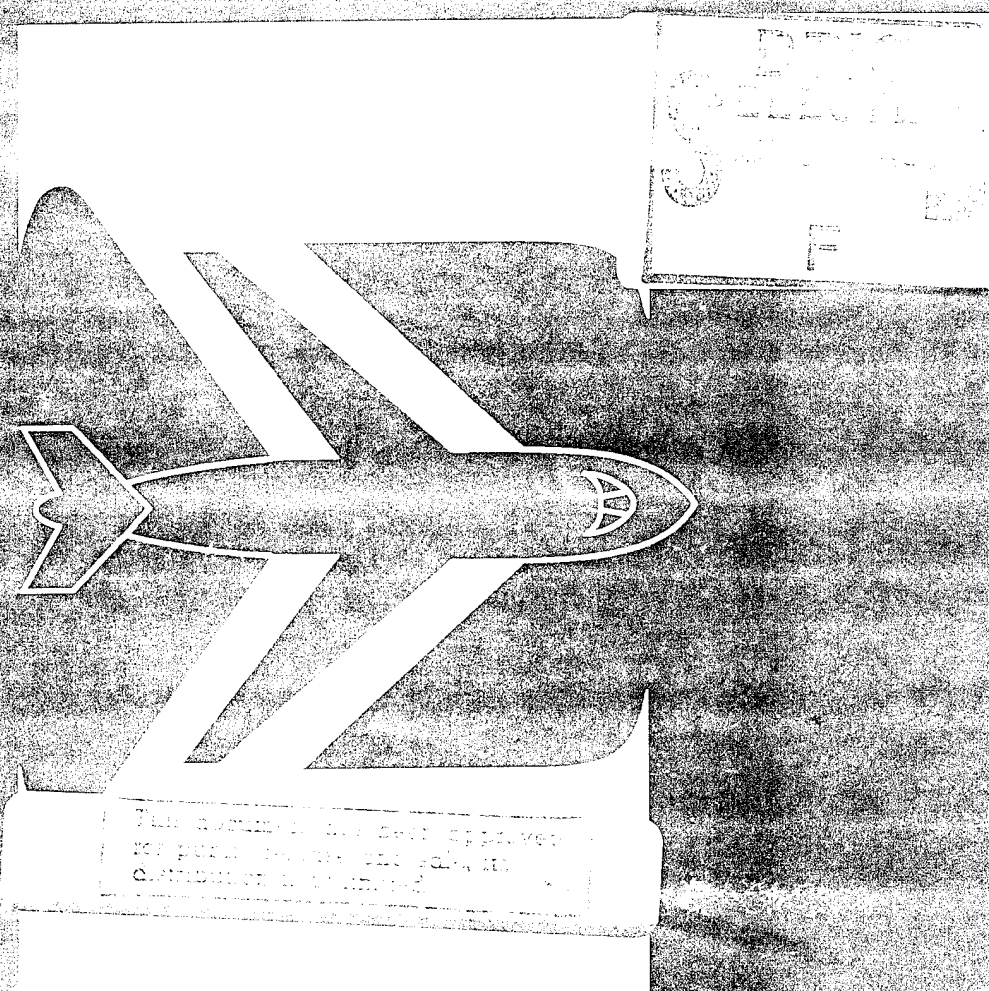




U.S. Department
of Transportation
Federal Aviation
Administration

General Aviation and Air Taxi Activity and Avionics Survey

Calendar Year 1993



19950228 012

Office of Aviation Policy,
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FAA-APO-95-4



U.S. Department
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General Aviation and Air Taxi Activity and Avionics Survey

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Airport Activity Statistics of Certificated Route Air Carriers is a joint publication of the Federal Aviation Administration (FAA) and the Research & Special Programs Administration (RSPA). RSPA furnishes airport activity data on certificated route air carriers; FAA organizes/publishes it. Included in the data are passenger enplanements and tons of enplaned freight and mail. Scheduled/nonscheduled service shown by airport and carrier are also included. Breakdown of data includes departures/enplanements/cargo/mail by airport, carrier & type of operation, and type of aircraft.

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Date next publication is scheduled: September 1995 (1994 data)
Person to contact: Patricia Beardsley

Census of U.S. Civil Aircraft is an annual publication that includes statistical data on the registered civil fleet, air carrier aircraft, and general aviation aircraft--both registered and active, detailed reports for general aviation aircraft by owner's state and county, and registered aircraft by make and model.

Latest edition: Calendar Year 1992
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1993 information will be available: September 1994
Date next publication is scheduled: November 1994 (1993 data)
Person to contact: Patricia Beardsley

FAA Air Traffic Activity furnishes terminal and en route air traffic activity information (e.g., takeoffs & landings, flight plans filed) of the National Airspace System. The data is collected/ compiled from the FAA-operated Airport Traffic Control Towers, Air Route Traffic Control Centers, Flight Service Stations, Approach Control Facilities, and FAA-contracted towered airports.

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1994 information will be available: March 1995
Date next publication is scheduled: July 1995 (1994 data)
Person to contact: Nancy Trembley

FAA Statistical Handbook of Aviation is a convenient source for historical data. It presents statistical information pertaining to the FAA, the National Airspace System, Airports, Airport Activity, U.S. Civil Air Carrier Fleet, U.S. Civil Air Carrier Operating Data, Airmen, General Aviation Aircraft, Aircraft Accidents, and Aeronautical Production & Import/Export.

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Person to contact: Patricia Beardsley

General Aviation/Air Taxi Activity & Avionics Survey is an annual report that presents the results of the general aviation/air taxi activity and avionics survey conducted to obtain information on the activity and avionics of the U.S. registered general aviation aircraft fleet. The report contains estimated flying time, landings, fuel consumption, lifetime airframe hours, and engine hours of the active general aviation aircraft by manufacturer/model group, aircraft type, state and region of based aircraft, and primary use.

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Person to contact: Patricia Beardsley

General Aviation Pilot and Aircraft Activity Survey includes data on the type and source of aircraft flight plan and weather information services, trip length in time and distance, pilot age and certification, estimates of total 1989 general aviation operations, fuel consumption and aircraft miles flown. The survey was conducted from June through September 1990 by the FAA with the assistance of the Civil Air Patrol.

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Person to contact: Patricia Beardsley

Rotorcraft Activity Survey presents the results of a special, one-time survey. The report contains breakdowns of active rotorcraft, annual flight hours, average flight hours, and other statistics by rotorcraft type, manufacturer/model group, region and state of based aircraft, and primary use. Also included are law enforcement and public use rotorcraft, lifetime airframe hours, engine hours, estimated miles flown, and estimated number of landings.

Edition:..... Calendar Year 1989
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Person to contact: Patricia Beardsley

U.S. Civil Airmen Statistics is an annual study of detailed airmen statistics. It contains statistics on pilot and nonpilots and the number of certificates issued.

Latest edition:..... Calendar Year 1993
Order from:..... Statistics and Forecast Branch, or
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1994 information will be available: February 1995
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Person to contact: Patricia Beardsley

PREFACE

This report presents the results of the 1993 General Aviation and Air Taxi Activity and Avionics (GAATAA) Survey and is prepared by the Statistics and Forecast Branch, Planning Analysis Division, Office of Aviation Policy, Plans, and Management Analysis (APO-110).

This survey provides information about the activity and avionics equipment of the general aviation and air taxi aircraft fleet. It excludes commuters. The information obtained from the survey enables the FAA to monitor the general aviation and air taxi fleet so that FAA can, among other activities, anticipate and meet demand for National Airspace System (NAS) facilities and services, assess the impact of regulatory changes on the general aviation and air taxi fleet, and implement measures to ensure the safe operation of all aircraft in the airspace.

Each year the information for the survey is collected using a statistically designed sample survey. The sample is selected from all general aviation and air taxi aircraft registered with the Federal Aviation Administration. Appendix A of this report provides a detailed description of the survey, its history, and the survey sample design.

As a result of an extensive review of the General Aviation Activity survey, the following major changes were introduced into the 1993 survey in order to make it more responsive to the general aviation community:

- Commuter aircraft are now excluded;
- Two new use categories - sight seeing and external load - were added;
- The number of aircraft type categories was expanded from 13 to 19;
- A question requesting the year the aircraft was manufactured was added so that some estimates of activity by aircraft age could be developed.

The report is divided into nine chapters as follows:

Chapter I, **Historical General Aviation Activity Measures, 1984-1993**, presents summary information from the 1984 through 1993 surveys. Statistics include general aviation and air taxi population sizes, the number of active aircraft, total hours flown and average hours flown. Other historical measures include active aircraft by aircraft type and by primary use. In addition, Chapter I provides three tables which highlight the 1993 GAATAA findings. These tables include active general aviation and air taxi aircraft by aircraft type and primary use, active general aviation and air taxi aircraft total hours by aircraft type and primary use, and active general aviation and air taxi aircraft and hours flown by FAA region and state of based aircraft.

Chapter II, **Common General Aviation Activity Measures**, presents information on the general aviation and air taxi population size, the number of active aircraft, total hours flown and average hours flown. Statistics on another measurement of activity, number of landings, are also given by total, local flight and cross country flight. This year, Chapter II presents three new tables providing data on the number of active general aviation aircraft and total hours flown in flight hour ranges by age of aircraft

Chapter III, **Primary and Actual Use**, looks at the number of active aircraft by primary use by type of aircraft and at the total hours flown by actual use by the general aviation and air taxi fleet. The major uses of the general aviation and air taxi aircraft and the number of nautical miles flown by actual use are also looked at in detail.

Chapter IV, **Flying Conditions**, presents statistics on the conditions under which the general aviation and air taxi population flies. Detailed statistics on the number of hours flown under Visual Meteorological Conditions (VMC) and Instrument Meteorological Conditions (IMC) during the day and night are given.

Chapter V, **Fuel Consumption**, gives information on the average and total fuel consumption rates of the general aviation and air taxi fleet.

Chapter VI, **Airframe Hours and Engine Activity**, provides data on the age of the general aviation and air taxi fleet--average airframe hours per active aircraft and the number of engines and average hours per engine.

Chapter VII, **Avionics For Non-Commuter Aircraft**, presents various figures and tables on selected avionics equipment capabilities of the general aviation and air taxi aircraft fleet under communications, transponders, navigation, precision approach, and guidance and control equipment categories.

Chapter VIII, **Avionics For Commuter Aircraft Only**, presents various figures and tables on selected avionics equipment capabilities of the commuter aircraft fleet under communications, transponders, navigation, precision approach, and guidance and control equipment categories.

Chapter IX, **National Airspace System (NAS) Capability Groups Based on Avionics**, provides numerous figures and tables on aircraft avionics capabilities by the two classifications of capability groups, hierarchical and nonhierarchical. These two groups were developed to provide a framework for relating airborne avionics equipment (discussed in Chapters VII and VIII) to aircraft capability to perform in the NAS.

Appendix A, **Methodology for the 1993 General Aviation and Air Taxi Activity and Avionics (GAATAA) Survey**, provides a detailed description of the survey, its history, the survey sample design, and a definition and explanation of "standard error," a statistical measure reported in each table.

Appendix B lists **Aircraft Group Name by FAA Manufacturer/Model Codes** and Appendix C lists the **Engine Group Name by FAA Manufacturer/Model Codes**. Appendix D contains a list of common acronyms, as well as a glossary of aviation terms found in this report.

Suggestions and comments about this report are welcome and will be given careful consideration in planning future editions.



John M. Rodgers
Director, Aviation Policy, Plans,
and Management Analysis

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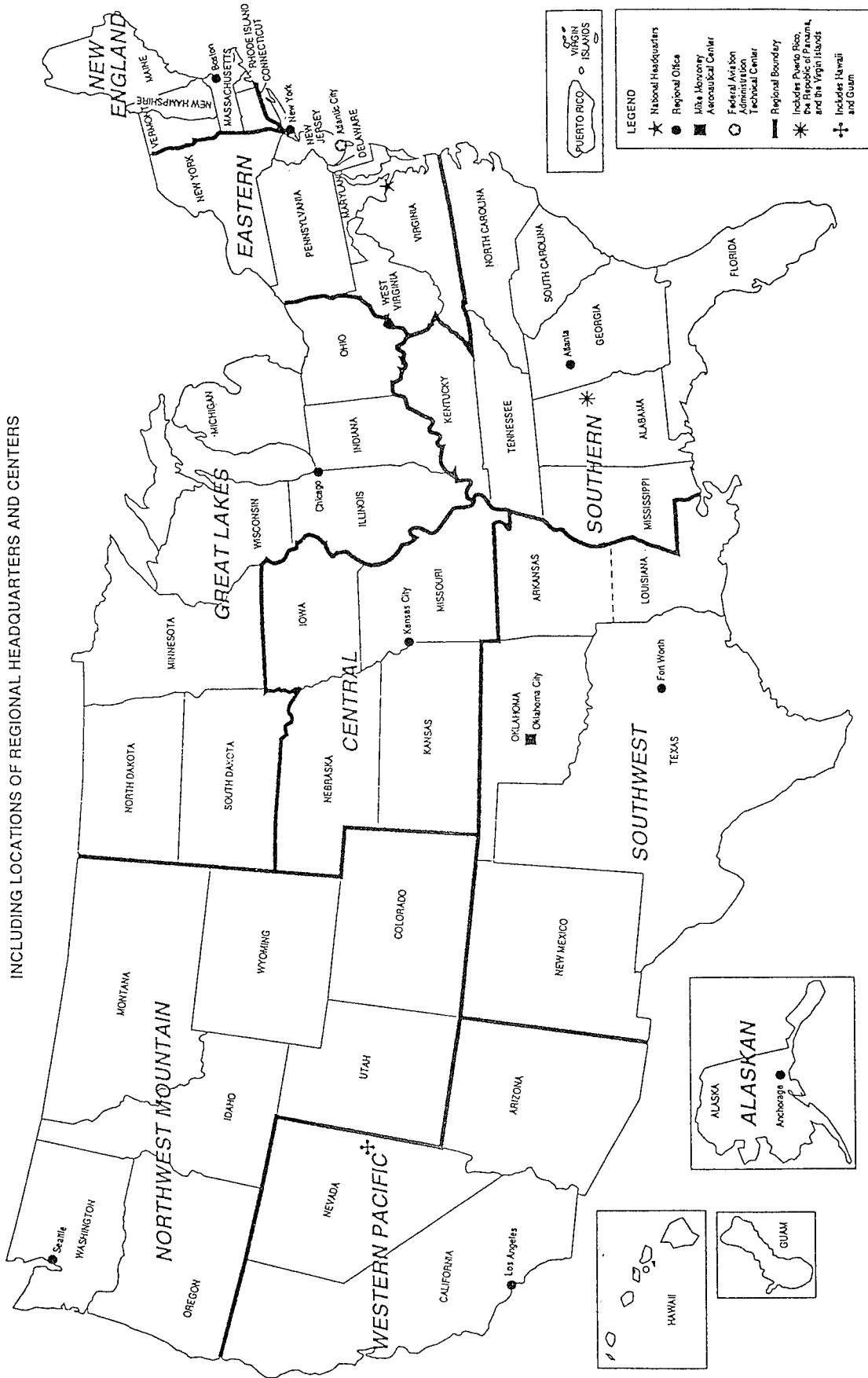
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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

FAA REGIONAL BOUNDARIES
INCLUDING LOCATIONS OF REGIONAL HEADQUARTERS AND CENTERS



FAA-108-10-10-10-10

CHAPTER I

HISTORICAL GENERAL AVIATION ACTIVITY MEASURES

1.1 1993 GENERAL AVIATION NUMBER OF AIRCRAFT BY PRIMARY USE
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRIMARY USE												
	TOTAL ACTIVE	CORP-ORATE	BUSI-NESS	PER-SONAL	INSTRUC-TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER	
FIXED WING: TOTAL	155,312	9,547	27,433	90,657	13,373	4,371	3,137	306	0	775	3,226	2,487	
% STD. ERROR	0.7	3.5	3.1	1.1	4.8	3.7	10.6	29.7	0.0	17.9	8.3	11.0	
PISTON: TOTAL	147,094	3,543	26,959	90,379	13,320	4,062	3,129	295	0	764	2,440	2,204	
% STD. ERROR	0.8	8.7	3.1	1.1	4.8	3.9	10.7	30.8	0.0	18.0	10.4	12.1	
ONE ENGINE: TOTAL	130,687	1,232	21,410	85,609	12,258	3,840	2,711	267	0	711	772	1,87	
% STD. ERROR	0.8	16.9	3.6	1.2	5.1	3.8	11.7	33.5	0.0	19.0	20.7	13.3	
TWO ENGINE: TOTAL	16,388	2,311	5,546	4,770	1,062	215	418	24	0	53	1,667	322	
% STD. ERROR	2.1	9.7	6.0	6.4	14.2	32.2	23.8	61.7	0.0	48.8	11.9	29.7	
PISTON: OTHER	18	0	2	0	0	7	0	4	0	0	0	5	
% STD. ERROR	40.7	0.0	85.1	0.0	0.0	44.1	0.0	61.0	0.0	0.0	0.0	55.3	
TURBOPROP: TOTAL	4,359	2,680	377	241	42	308	6	11	0	12	517	165	
% STD. ERROR	3.3	4.2	19.5	30.2	44.6	5.1	75.3	43.3	0.0	*	11.4	28.4	
ONE ENGINE: TOTAL	703	9	43	35	36	286	0	0	0	4	276	13	
% STD. ERROR	6.8	*	47.1	53.0	43.4	5.3	0.0	0.0	0.0	*	8.3	89.9	
TWO ENGINE: TOTAL	3,632	2,671	334	206	6	2	6	11	0	8	241	148	
% STD. ERROR	3.8	4.2	21.1	34.2	*	*	75.3	43.3	0.0	55.1	22.5	30.5	
TURBOPROP: OTHER	24	0	0	0	0	21	0	0	0	0	0	3	
% STD. ERROR	41.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	96.7	

1.1 1993 GENERAL AVIATION NUMBER OF AIRCRAFT BY PRIMARY USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 3

AIRCRAFT TYPE	PRIMARY USE											
	TOTAL ACTIVE	CORP-ORATE	BUSINESS	PERSONAL	INSTRUCTIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER
TURBOJET: TOTAL	3,859	3,324	97	37	11	0	2	0	0	0	269	119
% STD. ERROR	2.8	2.3	38.1	48.0	81.6	0.0	*	0.0	0.0	0.0	21.2	33.3
TWO ENGINE: TOTAL	3,673	3,171	94	30	11	0	2	0	0	0	267	98
% STD. ERROR	2.9	2.4	39.2	58.8	81.6	0.0	*	0.0	0.0	0.0	21.3	40.4
TURBOJET: OTHER	186	154	3	7	0	0	0	0	0	0	2	21
% STD. ERROR	11.8	2.3	51.6	44.5	0.0	0.0	0.0	0.0	0.0	0.0	*	11.3
ROTORCRAFT: TOTAL	4,510	533	294	484	427	476	1,025	257	126	18	548	322
% STD. ERROR	3.4	17.3	21.3	12.6	12.8	13.8	11.3	26.3	31.9	92.3	14.6	20.4
PISTON: TOTAL	1,646	16	164	383	376	264	306	75	11	4	5	43
% STD. ERROR	6.3	58.9	21.7	12.9	11.6	16.6	15.8	37.5	40.4	*	*	32.7
TURBINE: TOTAL	2,864	517	130	102	51	212	719	183	115	14	543	280
% STD. ERROR	4.0	17.8	39.8	35.3	64.7	22.9	14.6	33.7	34.8	*	14.7	22.9
ONE ENGINE TURBINE	2,144	366	128	97	51	181	656	183	99	5	218	162
% STD. ERROR	5.0	23.1	40.1	36.5	64.7	26.1	15.5	33.7	40.1	*	32.1	36.2
MULTI-ENGL TURBINE	720	151	1	5	0	31	64	0	16	9	325	118
% STD. ERROR	5.3	23.6	*	*	0.0	37.5	39.9	0.0	31.6	*	11.8	22.2
GLIDERS	1,645	1	13	1,372	171	0	0	53	0	2	0	33
% STD. ERROR	6.9	*	*	4.5	29.4	0.0	0.0	54.7	0.0	*	0.0	70.3
LIGHTER-THAN-AIR	3,602	1	54	2,560	60	0	27	701	0	95	0	104
% STD. ERROR	5.7	*	78.7	6.2	75.1	0.0	*	19.8	0.0	59.3	0.0	56.5

1.1 1993 GENERAL AVIATION NUMBER OF AIRCRAFT BY PRIMARY USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

PAGE 3 OF 3

AIRCRAFT TYPE	PRIMARY USE											
	TOTAL ACTIVE	CORPORATE	BUSINESS	PERSONAL	INSTRUCTIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER
EXP. HOME BUILT	6,854	0	346	5,986	52	0	2	0	0	18	0	450
% STD. ERROR	5.9	0.0	36.7	3.2	96.3	0.0	*	0.0	0.0	*	0.0	31.9
EXP. EXHIBITION	1,622	0	9	1,308	24	1	2	1	0	9	0	269
% STD. ERROR	7.4	0.0	*	5.7	94.4	*	*	*	0.0	*	0.0	26.0
EXP. OTHER	2,462	196	341	1,290	37	65	194	7	0	92	0	240
% STD. ERROR	5.0	34.1	25.0	9.6	81.4	60.7	34.3	*	0.0	51.1	0.0	30.5
ALL AIRCRAFT	176,006	10,279	28,489	103,657	14,143	4,913	4,386	1,325	126	1,008	3,773	3,906
% STD. ERROR	0.7	3.4	3.0	1.0	4.6	3.6	8.2	13.8	31.9	16.0	7.4	8.7

1993 USE CATEGORY CHANGES: BEGINNING IN 1993, COMMUTERS WERE EXCLUDED FROM THE SURVEY. EXTERNAL LOAD AND SIGHT SEEING WERE CREATED AS SEPARATE CATEGORIES. PRIOR TO 1993 THEY WERE INCLUDED IN ONE OF THE OTHER NINE CATEGORIES AS APPROPRIATE.

1993 NEW AIRCRAFT TYPES: PRIOR TO 1993, SINGLE ENGINE TURBOPROPS WERE INCLUDED IN "OTHER" TURBOPROPS, SINGLE AND MULTI ENGINE ROTORCRAFT WERE NOT SHOWN SEPARATELY, GLIDERS AND LIGHTER-THAN-AIR AIRCRAFT WERE COMBINED INTO THE "OTHER" TYPE, EXPERIMENTAL AIRCRAFT WERE INCLUDED IN THE APPROPRIATE AIRCRAFT TYPE. FOR EXAMPLE, PRIOR TO 1993 THE SINGLE ENGINE PISTON AIRCRAFT TYPE INCLUDED BOTH EXPERIMENTAL AND NON EXPERIMENTAL AIRCRAFT. STARTING IN 1993 THAT AIRCRAFT TYPE INCLUDES ONLY THE NON EXPERIMENTAL.

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES. AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A STANDARD ERROR OF 100.0 OR GREATER.

1.2 GENERAL AVIATION NUMBER OF ACTIVE AIRCRAFT
BY AIRCRAFT TYPE
1984 - 1993

PAGE 1 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/ (000)	1989 1/ (000)	1988 1/ (000)	1987 1/ (000)	1986 1/ (000)	1985 1/ (000)	1984
FIXED WING: TOTAL	155,312	170,844	184,620	184.5	190.8	183.8	190.5	192.3	184.7	207,571
% STD. ERROR	0.7	0.7	0.7	0.5	0.5	0.6	0.5	0.5	0.6	0.5
PISTON: TOTAL	147,094	162,117	175,347	175.2	180.8	175.0	181.5	182.5	175.6	197,442
% STD. ERROR	0.8	7.0	0.7	0.6	0.5	0.6	0.5	0.6	0.6	0.5
ONE ENGINE: TOTAL	130,687	143,580	154,102	154.0	158.9	153.7	159.7	160.3	153.4	171,922
% STD. ERROR	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.7	0.5
TWO ENGINE: TOTAL	16,388	18,451	21,119	21.1	21.8	21.2	21.7	22.1	22.1	25,258
% STD. ERROR	2.1	1.7	1.7	1.3	1.2	1.4	1.3	1.6	1.5	1.2
PISTON: OTHER	18	86	127	0.1	0.1	0.1	0.1	0.1	0.1	262
% STD. ERROR	40.7	17.7	22.2	30.0	33.8	21.7	25.0	24.3	20.9	13.4
TURBOPROP: TOTAL	4,359	4,704	4,920	5.3	5.9	4.9	4.9	5.6	5.0	5,809
% STD. ERROR	3.3	3.1	2.7	1.8	1.5	1.7	1.9	43.3	2.1	1.0
ONE ENGINE: TOTAL	703	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	6.8									
TWO ENGINE: TOTAL	3,652	4,094	4,398	4.9	5.7	4.7	4.7	5.4	4.9	5,633
% STD. ERROR	3.8	3.5	3.0	1.8	1.5	1.8	1.9	1.9	2.1	1.0
TURBOPROP: OTHER	24	610	522	0.4	0.2	0.2	0.2	0.2	0.1	176
% STD. ERROR	41.0	3.0	2.4	7.0	14.2	7.1	8.9	16.2	7.8	8.5

1.2 GENERAL AVIATION NUMBER OF ACTIVE AIRCRAFT
BY AIRCRAFT TYPE
1984 - 1993

PAGE 2 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/ (000)	1989 1/ (000)	1988 1/ (000)	1987 1/ (000)	1986 1/ (000)	1985 1/ (000)	1984
TURBOJET: TOTAL	3,859	4,022	4,353	4.1	4.1	3.9	4.0	4.2	4.1	4,320
% STD. ERROR	2.8	2.4	2.0	2.0	1.5	2.0	1.5	2.2	1.7	1.6
TWO ENGINE: TOTAL	3,673	3,790	4,066	3.7	3.7	3.6	3.6	3.8	3.6	3,780
% STD. ERROR	2.9	2.3	1.9	2.0	1.4	2.1	1.6	1.6	1.7	1.3
TURBOJET: OTHER	186	232	286	0.4	0.4	0.3	0.4	0.4	0.5	540
% STD. ERROR	11.8	15.3	14.4	8.2	8.2	5.5	5.0	16.2	7.2	26.9
ROTORCRAFT: TOTAL	4,510	5,753	6,292	6.9	7.0	6.0	5.9	6.5	6.0	7,096
% STD. ERROR	3.4	3.8	3.5	3.0	0.6	3.6	3.2	3.1	4.0	3.1
PISTON: TOTAL	1,646	2,211	2,470	3.2	3.0	2.4	2.6	2.7	2.7	2,936
% STD. ERROR	6.3	7.7	7.6	5.3	1.2	7.9	5.0	6.0	7.0	6.3
TURBINE: TOTAL	2,864	3,542	3,822	3.7	4.0	3.6	3.3	3.8	3.3	4,160
% STD. ERROR	4.0	3.9	2.9	3.1	0.4	2.7	4.2	3.1	4.5	2.8
ONE ENGINE TURBINE	2,144	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	5.0									
MULTI-ENGL TURBINE	720	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	5.3									
GLIDERS	1,645	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	6.9									
LIGHTER-THAN-AIR	3,602	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	5.7									

1.2 GENERAL AVIATION NUMBER OF ACTIVE AIRCRAFT
BY AIRCRAFT TYPE
1984 - 1993

PAGE 3 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/ (000)	1989 1/ (000)	1988 1/ (000)	1987 1/ (000)	1986 1/ (000)	1985 1/ (000)	1984
OTHER - TOTAL	N/A	7,837	7,563	6.6	7.2	6.4	6.3	6.5	5.8	6,275
% STD. ERROR		1.9	2.9	3.0	2.4	4.1	3.4	3.0	3.3	2.7
EXP. HOME BUILT	6,854	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	5.9									
EXP. EXHIBITION	1,622	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	7.4									
EXP. OTHER	2,462	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	5.0									
ALL AIRCRAFT	176,006	184,434	198,475	198.0	205.0	196.2	202.7	205.3	196.5	220,943
% STD. ERROR	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.6	0.5

BEGINNING IN 1993, EXCLUDES COMMUTERS.

EXTERNAL LOAD AND SIGHT SEEING WERE CREATED AS SEPARATE CATEGORIES. PRIOR TO 1993 THEY WERE INCLUDED IN ONE OF THE OTHER NINE CATEGORIES AS APPROPRIATE.

1993 NEW AIRCRAFT TYPES: PRIOR TO 1993, SINGLE ENGINE TURBOPROPS WERE INCLUDED IN "OTHER" TURBOPROPS, SINGLE AND MULTI ENGINE ROTORCRAFT WERE NOT SHOWN SEPARATELY, GLIDERS AND LIGHTER-THAN-AIR AIRCRAFT WERE COMBINED INTO THE "OTHER" TYPE, EXPERIMENTAL AIRCRAFT WERE INCLUDED IN THE APPROPRIATE AIRCRAFT TYPE. FOR EXAMPLE, PRIOR TO 1993 THE SINGLE ENGINE PISTON AIRCRAFT TYPE INCLUDED BOTH EXPERIMENTAL AND NON EXPERIMENTAL AIRCRAFT. STARTING IN 1993 THAT AIRCRAFT TYPE INCLUDES ONLY THE NON EXPERIMENTAL.

1/ REVISED TO CORRECT FOR NONRESPONSE BIAS

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

1.3 ACTIVE GENERAL AVIATION AIRCRAFT BY PRIMARY USE
1984 - 1993
(AIRCRAFT IN THOUSANDS)

PAGE 1 OF 1

USE CATEGORY	1993	1992	1991	1990 1/	1989 1/	1988 1/	1987 1/	1986 1/	1985 1/	1984
CORPORATE	9.9	9.4	10.0	10.1	11.5	10.2	11.1	11.3	12.7	16.7
BUSINESS	27.8	28.9	31.6	33.1	35.0	32.6	37.3	40.8	42.5	47.1
PERSONAL	102.1	108.7	115.1	112.6	116.4	114.4	115.3	112.2	96.2	105.3
INSTRUCTIONAL	15.6	16.0	17.9	18.6	16.6	15.6	14.7	14.8	13.4	15.3
AERIAL APPLICATION	5.0	5.1	7.0	6.2	6.6	6.6	6.1	6.6	6.8	7.3
AERIAL OBSERVATION	4.8	5.6	5.1	4.9	5.4	4.4	4.5	4.4	4.2	5.2
SIGHT SEEING	1.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EXTERNAL LOAD	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER WORK	1.0	1.7	1.7	1.4	2.0	1.7	1.5	1.2	1.5	1.3
AIR TAXI	3.8	4.7	5.5	5.8	6.6	6.0	5.8	7.1	6.0	7.3
OTHER	4.2	3.5	3.9	4.1	3.6	3.8	5.5	5.3	5.0	4.8
RENTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.4	9.4
SUBTOTAL		183.6	197.8	196.8	203.7	195.3	201.8	203.7	195.7	220.9
COMMUTER AIR TAXI	N/A	0.8	0.7	1.2	1.3	0.9	0.9	1.6	0.8	1.2
TOTAL	176.0	184.4	198.5	198.0	205.0	196.2	202.7	205.3	196.5	222.1

1993 USE CATEGORIES CHANGES: BEGINNING IN 1993, COMMUTERS WERE EXCLUDED FROM THE SURVEY. EXTERNAL LOAD AND SIGHT SEEING WERE CREATED AS SEPARATE CATEGORIES. PRIOR TO 1993 THEY WERE INCLUDED IN ONE OF THE OTHER NINE CATEGORIES AS APPROPRIATE.

1/ REVISED TO CORRECT FOR NONRESPONSE BIAS
N/A RENTAL HOURS NO LONGER COLLECTED AS A SEPARATE USE CATEGORY.

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

1.4 1993 GENERAL AVIATION TOTAL HOURS FLOWN BY ACTUAL USE
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ACTUAL USE											TOTAL
	CORP-ORATE	BUSI-MESS	PER-SONAL	INSTRUC-TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER	
FIXED WING: TOTAL	2,466,874	3,306,984	7,439,694	4,177,810	1,038,979	998,185	76,629	0	146,837	1,168,221	388,772	21,421,226
% STD. ERROR	4.2	3.9	1.9	6.6	5.5	19.3	42.0	0.0	19.1	10.1	13.2	1.9
PISTON: TOTAL	708,782	3,239,557	7,398,215	4,164,300	929,355	997,054	68,670	0	144,037	860,641	289,328	19,029,404
% STD. ERROR	10.4	4.0	1.9	6.7	5.9	19.3	46.2	0.0	19.4	12.7	15.9	2.1
ONE ENGINE: TOTAL	262,623	2,539,773	6,909,795	3,878,573	906,005	901,412	61,581	0	132,820	377,368	265,931	16,514,182
% STD. ERROR	19.6	4.6	2.0	7.0	6.0	21.0	50.2	0.0	20.2	24.1	17.0	2.4
TWO ENGINE: TOTAL	446,159	699,726	488,421	285,728	22,945	95,642	6,806	0	11,217	483,273	23,229	2,514,305
% STD. ERROR	12.0	7.2	8.5	14.8	28.4	26.9	63.2	0.0	60.0	13.7	39.6	3.9
PISTON: OTHER	0	59	0	0	404	0	282	0	0	0	168	914
% STD. ERROR	0.0	85.1	0.0	0.0	44.2	0.0	62.6	0.0	0.0	0.0	65.4	42.8
TURBOPROP: TOTAL	750,613	53,792	32,927	10,063	109,625	1,055	7,959	0	2,800	200,089	72,864	1,226,508
% STD. ERROR	6.0	26.0	37.9	77.9	11.1	86.5	51.2	0.0	*	14.0	26.5	5.6
ONE ENGINE: TOTAL	1,984	6,024	3,815	7,958	106,399	0	0	0	1,137	120,185	2,756	244,210
% STD. ERROR	*	49.8	55.5	85.8	11.1	0.0	0.0	0.0	*	15.1	58.3	11.3
TWO ENGINE: TOTAL	748,629	47,768	29,112	2,105	153	1,055	7,959	0	1,663	79,904	69,917	979,020
% STD. ERROR	6.0	28.9	42.7	*	92.0	86.5	51.2	0.0	50.8	23.5	31.5	6.4
TURBOPROP: OTHER	0	0	0	0	3,073	0	0	0	0	0	190	3,279
% STD. ERROR	0.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0	0.0	96.7	42.6

1.4 1993 GENERAL AVIATION TOTAL HOURS FLOWN BY ACTUAL USE
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ACTUAL USE													TOTAL
	CORP-ORATE	BUSI-NESS	PER-SONAL	INSTRUC-TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER	TOTAL		
TURBOJET: TOTAL	1,007,478	13,634	8,551	3,448	0	75	0	0	0	0	107,491	26,580	1,165,319	
% STD. ERROR	4.1	50.8	48.8	83.1	0.0	*	0.0	0.0	0.0	0.0	23.3	38.8	4.7	
TWO ENGINE: TOTAL	970,434	13,547	8,343	3,448	0	75	0	0	0	0	107,083	24,970	1,126,047	
% STD. ERROR	4.3	52.1	54.3	83.1	0.0	*	0.0	0.0	0.0	0.0	23.4	44.9	4.8	
TURBOJET: OTHER	37,045	87	208	0	0	0	0	0	0	0	408	1,610	39,272	
% STD. ERROR	8.6	59.6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	30.8	15.5	
ROTORCRAFT: TOTAL	202,424	48,518	38,277	182,585	115,102	585,367	147,420	93,619	3,837	282,511	149,235	1,832,306		
% STD. ERROR	20.1	41.1	17.3	15.1	16.9	14.9	30.5	37.1	*	17.9	26.3	6.3		
PISTON: TOTAL	1,544	11,977	28,097	147,488	55,227	109,008	16,929	1,050	519	917	3,508	370,099		
% STD. ERROR	68.1	23.0	18.9	12.5	18.7	19.5	43.5	58.0	*	*	31.8	8.7		
TURBINE: TOTAL	200,880	36,541	10,180	35,097	59,876	476,359	130,491	92,568	3,318	281,595	145,727	1,462,206		
% STD. ERROR	20.5	59.3	43.5	70.7	29.6	18.8	38.5	38.9	*	18.1	28.8	7.6		
ONE ENGINE TURBINE	131,973	36,281	9,189	35,097	53,384	448,818	130,491	61,665	29	113,425	63,087	1,072,604		
% STD. ERROR	27.4	59.7	44.6	71.5	32.1	19.4	38.5	48.9	*	37.4	55.4	9.5		
MULTI-ENGL TURBINE	68,907	259	991	0	6,492	27,541	0	30,903	3,289	168,169	82,640	389,602		
% STD. ERROR	23.9	*	*	0.0	43.1	40.5	0.0	29.9	*	15.1	20.2	10.8		
GLIDERS	69	395	83,352	49,647	0	0	18,648	0	213	0	3,593	159,092		
% STD. ERROR	*	*	10.9	35.2	0.0	0.0	69.6	0.0	*	0.0	72.1	17.1		
LIGHTER-THAN-AIR	10	885	69,785	1,834	0	6,872	112,126	0	11,626	0	5,312	216,633		
% STD. ERROR	*	92.7	9.0	91.9	0.0	*	52.4	0.0	66.2	0.0	70.7	30.2		

1.4 1993 GENERAL AVIATION TOTAL HOURS FLOWN BY ACTUAL USE
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ACTUAL USE											TOTAL
	CORP-GRATE	BUSINESS	PERSONAL	INSTRUC-TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER	
EXP. HOME BUILT % STD. ERROR	0 0.0	20,567 44.6	262,722 7.7	3,575 *	0 0.0	72 *	0 0.0	0 0.0	124 *	0 0.0	12,359 36.1	298,339 9.0
EXP. EXHIBITION % STD. ERROR	0 0.0	524 *	76,765 18.9	824 *	159 *	111 *	26 *	0 0.0	991 *	0 0.0	8,863 37.9	87,679 18.2
EXP. OTHER % STD. ERROR	78,963 45.1	34,378 30.5	71,700 13.4	3,799 *	7,061 64.6	59,749 43.6	3,362 *	0 0.0	9,530 69.3	0 0.0	57,397 43.0	324,608 15.0
ALL AIRCRAFT % STD. ERROR	2,748,339 4.3	3,412,250 3.9	8,042,293 1.8	4,420,073 6.3	1,161,301 5.2	1,650,355 13.2	358,210 22.4	93,619 36.8	173,159 17.2	1,450,733 8.9	625,532 10.2	24,339,884 1.8

1993 USE CATEGORY CHANGES: BEGINNING IN 1993, COMMUTERS WERE EXCLUDED FROM THE SURVEY. EXTERNAL LOAD AND SIGHT SEEING WERE CREATED AS SEPARATE CATEGORIES. PRIOR TO 1993 THEY WERE INCLUDED IN ONE OF THE OTHER NINE CATEGORIES AS APPROPRIATE.

1993 NEW AIRCRAFT TYPES: PRIOR TO 1993, SINGLE ENGINE TURBOPROPS WERE INCLUDED IN "OTHER" TURBOPROPS, SINGLE AND MULTI ENGINE ROTORCRAFT WERE NOT SHOWN SEPARATELY, GLIDERS AND LIGHTER-THAN-AIR AIRCRAFT WERE COMBINED INTO THE "OTHER" TYPE, EXPERIMENTAL AIRCRAFT WERE INCLUDED IN THE APPROPRIATE AIRCRAFT TYPE. FOR EXAMPLE, PRIOR TO 1993 THE SINGLE ENGINE PISTON AIRCRAFT TYPE INCLUDED BOTH EXPERIMENTAL AND NON EXPERIMENTAL AIRCRAFT. STARTING IN 1993 THAT AIRCRAFT TYPE INCLUDES ONLY THE NON EXPERIMENTAL.

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES. AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A STANDARD ERROR OF 100.0 OR GREATER.

1.5 GENERAL AVIATION TOTAL HOURS FLOWN BY AIRCRAFT TYPE
1984 - 1993
(HOURS IN THOUSANDS)

PAGE 1 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/	1989 1/	1988 1/	1987 1/	1986 1/	1985 1/	1984
FIXED WING: TOTAL	21,421	23,801	26,851	29,546	29,327	28,040	28,391	28,994	29,085	33,265
% STD. ERROR	1.9	1.7	1.9	1.8	1.7	1.8	1.7	1.7	1.7	2.1
PISTON: TOTAL	19,029	21,251	24,102	25,832	24,907	24,291	24,969	24,805	25,666	29,194
% STD. ERROR	2.1	1.9	2.1	2.0	1.9	2.0	1.9	1.9	1.9	1.8
ONE ENGINE: TOTAL	16,514	18,074	20,540	21,883	20,600	20,326	20,446	20,260	21,102	23,506
% STD. ERROR	2.4	2.1	2.3	2.2	2.2	2.2	2.0	2.1	2.1	2.1
TWO ENGINE: TOTAL	2,514	3,172	3,555	3,897	4,292	3,943	4,509	4,535	4,539	5,585
% STD. ERROR	3.9	3.9	4.1	3.8	3.3	4.1	5.2	4.6	4.1	3.6
PISTON: OTHER	1	4	7	53	16	20	14	10	24	102
% STD. ERROR	42.8	22.6	33.5	48.7	67.3	44.5	33.3	45.5	34.6	29.4
TURBOPROP: TOTAL	1,227	1,478	1,513	2,319	2,892	2,195	2,010	2,661	1,921	2,506
% STD. ERROR	5.6	5.7	5.3	6.4	5.0	5.0	5.0	5.1	4.6	4.7
ONE ENGINE: TOTAL	244	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	11.3									
TWO ENGINE: TOTAL	979	1,238	1,359	2,162	2,776	2,117	1,841	2,583	1,862	2,452
% STD. ERROR	6.4	6.5	5.8	6.8	5.2	5.1	5.0	5.3	4.8	4.7
TURBOPROP: OTHER	3	240	154	157	116	78	169	78	59	54
% STD. ERROR	42.6	10.2	12.8	10.9	16.6	14.9	24.6	14.1	10.9	29.9

1.5 GENERAL AVIATION TOTAL HOURS FLOWN BY AIRCRAFT TYPE
1984 - 1993
(HOURS IN THOUSANDS)

PAGE 2 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/	1989 1/	1988 1/	1987 1/	1986 1/	1985 1/	1984
TURBOJET: TOTAL	1,165	1,072	1,236	1,396	1,527	1,554	1,411	1,527	1,498	1,566
% STD. ERROR	4.7	4.2	4.5	4.1	3.7	4.4	3.9	4.7	4.4	4.7
TWO ENGINE: TOTAL	1,126	1,030	1,183	1,279	1,424	1,434	1,312	1,446	1,349	1,328
% STD. ERROR	4.8	4.3	4.7	4.3	3.9	4.7	4.2	4.9	4.8	5.0
TURBOJET: OTHER	39	42	54	117	103	120	99	90	149	237
% STD. ERROR	15.5	16.4	15.1	12.2	12.2	10.9	10.3	19.4	10.6	13.9
ROTORCRAFT: TOTAL	1,832	2,283	2,757	2,209	2,610	2,507	2,108	2,424	1,990	2,495
% STD. ERROR	6.3	6.6	7.5	5.9	0.9	6.5	7.4	6.7	7.7	5.5
PISTON: TOTAL	370	416	585	716	692	533	602	742	521	592
% STD. ERROR	8.7	12.4	12.0	10.2	2.1	11.6	9.2	12.8	15.1	11.3
TURBINE: TOTAL	1,462	1,866	2,172	1,493	1,918	1,974	1,506	1,682	1,468	1,903
% STD. ERROR	7.6	7.6	9.0	7.2	0.9	7.6	9.6	7.7	8.9	6.4
ONE ENGINE TURBINE	1,073	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	9.5									
MULTI-ENGL TURBINE	390	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	10.8									
GLIDERS	159	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	17.1									
LIGHTER-THAN-AIR	217	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	30.2									

1.5 GENERAL AVIATION TOTAL HOURS FLOWN BY AIRCRAFT TYPE
1984 - 1993
(HOURS IN THOUSANDS)

PAGE 3 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/	1989 1/	1988 1/	1987 1/	1986 1/	1985 1/	1984
OTHER - TOTAL	N/A	410	459	341	396	568	384	364	382	358
% STD. ERROR		6.0	8.9	7.0	7.4	24.2	6.0	7.6	8.2	6.7
EXP. HOME BUILT	298	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	9.0									
EXP. EXHIBITION	88	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	18.2									
EXP. OTHER	325	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	15.0									
ALL AIRCRAFT	24,340	26,493	30,067	32,096	32,332	31,114	30,883	31,782	31,456	36,119
% STD. ERROR	1.8	1.6	1.8	1.7	1.6	1.7	1.7	1.6	1.6	1.6

BEGINNING IN 1993, EXCLUDES COMMUTERS.

1993 NEW AIRCRAFT TYPES: PRIOR TO 1993, SINGLE ENGINE TURBOPROPS WERE INCLUDED IN "OTHER" TURBOPROPS, SINGLE AND MULTI ENGINE ROTORCRAFT WERE NOT SHOWN SEPARATELY, GLIDERS AND LIGHTER-THAN-AIR AIRCRAFT WERE COMBINED INTO THE "OTHER" TYPE, EXPERIMENTAL AIRCRAFT WERE INCLUDED IN THE APPROPRIATE AIRCRAFT TYPE. FOR EXAMPLE, PRIOR TO 1993 THE SINGLE ENGINE PISTON AIRCRAFT TYPE INCLUDED BOTH EXPERIMENTAL AND NON EXPERIMENTAL AIRCRAFT. STARTING IN 1993 THAT AIRCRAFT TYPE INCLUDES ONLY THE NON EXPERIMENTAL.

1/ REVISED TO CORRECT FOR NONRESPONSE BIAS

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

1.6 ACTIVE GENERAL AVIATION AIRCRAFT TOTAL HOURS FLOWN
BY PRIMARY USE
1984 - 1993
(HOURS IN THOUSANDS)

PAGE 1 OF 1

USE CATEGORY	1993	1992	1991	1990 1/	1989 1/	1988 1/	1987 1/	1986 1/	1985 1/	1984
CORPORATE	2,659	2,262	2,617	2,913	3,453	3,472	3,143	3,491	3,857	4,773
BUSINESS	3,345	3,537	4,154	4,417	4,330	4,594	5,276	5,444	6,034	6,635
PERSONAL	7,938	8,592	9,685	9,276	9,537	10,015	9,961	9,324	7,750	8,417
INSTRUCTIONAL	4,680	5,340	6,141	7,244	5,993	4,917	4,529	4,319	3,938	4,553
AERIAL APPLICATION	1,167	1,296	1,911	1,872	1,868	1,842	1,538	1,833	2,002	2,008
AERIAL OBSERVATION	1,750	1,730	1,797	1,745	1,719	1,308	1,304	1,496	1,214	1,314
SIGHT SEEING	412	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EXTERNAL LOAD	105	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER WORK	175	343	471	572	517	525	350	298	317	312
AIR TAXI	1,452	2,009	2,241	2,249	3,020	2,632	2,657	2,690	2,570	3,019
OTHER	656	358	473	475	507	774	871	868	767	729
RENTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,385	2,854
SUBTOTAL	24,340	25,800	29,497	30,763	30,940	30,078	29,628	29,764	30,833	34,615
COMMUTER AIR TAXI	N/A	693	570	1,333	1,392	1,036	1,255	2,018	623	1,504
TOTAL	24,340	26,493	30,067	32,096	32,332	31,114	30,883	31,782	31,456	36,119

1993 USE CATEGORIES CHANGES: BEGINNING IN 1993,
COMMUTERS WERE EXCLUDED FROM THE SURVEY.

EXTERNAL LOAD AND SIGHT SEEING WERE CREATED AS SEPARATE CATEGORIES. PRIOR TO 1993 THEY WERE INCLUDED IN
ONE OF THE OTHER NINE CATEGORIES AS APPROPRIATE.

1/ REVISED TO CORRECT FOR NONRESPONSE BIAS

N/A RENTAL HOURS NO LONGER COLLECTED AS A SEPARATE USE CATEGORY.

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

1.7 GENERAL AVIATION AIRCRAFT AVERAGE HOURS FLOWN
BY AIRCRAFT TYPE
1984 - 1993

PAGE 1 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/	1989 1/	1988 1/	1987 1/	1986 1/	1985 1/	1984
FIXED WING: TOTAL	135.3	136.7	143.8	160.1	153.7	152.6	149.0	150.8	157.5	156.0
% STD. ERROR	1.9	1.8	1.9	1.8	1.7	1.8	1.7	1.7	1.7	1.7
PISTON: TOTAL	129.3	130.4	137.5	147.4	137.8	138.8	137.6	135.9	146.2	147.1
% STD. ERROR	3.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8
ONE ENGINE: TOTAL	126.9	126.1	134.2	142.1	129.6	132.2	128.0	126.4	137.6	137.0
% STD. ERROR	2.3	2.2	2.2	2.2	2.2	2.2	2.0	2.0	2.0	2.0
TWO ENGINE: TOTAL	150.8	170.3	167.0	184.7	196.9	186.0	207.8	205.2	205.4	218.0
% STD. ERROR	3.4	3.9	3.8	3.8	3.1	3.5	5.1	4.4	3.8	3.2
PISTON: OTHER	49.6	49.6	41.3	526.4	157.0	203.8	138.5	101.6	240.1	433.0
% STD. ERROR	13.1	26.5	26.1	30.6	24.9	42.2	22.7	45.4	27.0	24.8
TURBOPROP: TOTAL	227.5	314.1	307.7	437.5	490.2	448.0	410.3	475.3	384.2	414.2
% STD. ERROR	4.7	4.8	4.3	4.4	4.3	4.5	4.7	4.5	4.2	4.4
ONE ENGINE: TOTAL	342.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	8.4									
TWO ENGINE: TOTAL	265.4	301.2	311.9	441.2	487.0	450.5	391.8	478.3	379.9	416.0
% STD. ERROR	5.5	5.5	4.5	4.7	4.4	4.6	4.7	4.6	4.4	4.5
TURBOPROP: OTHER	135.3	381.6	279.2	392.5	581.8	389.0	845.0	392.5	591.0	339.0
% STD. ERROR	11.6	1.1	14.0	8.3	13.7	16.7	24.5	13.8	6.0	17.2

1.7 GENERAL AVIATION AIRCRAFT AVERAGE HOURS FLOWN
BY AIRCRAFT TYPE
1984 - 1993

PAGE 2 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/	1989 1/	1988 1/	1987 1/	1986 1/	1985 1/	1984
TURBOJET: TOTAL	298.4	270.7	289.7	340.6	372.5	398.5	352.8	363.7	365.3	353.6
% STD. ERROR	3.5	3.6	4.0	3.7	3.4	3.8	3.6	4.8	4.0	4.0
TWO ENGINE: TOTAL	302.2	276.9	296.7	345.7	384.9	398.3	364.5	380.6	374.8	348.0
% STD. ERROR	3.6	3.7	4.2	4.0	3.6	4.1	3.8	4.8	4.4	4.1
TURBOJET: OTHER	213.5	180.8	192.0	293.2	258.6	401.4	247.0	226.2	297.4	392.0
% STD. ERROR	7.8	13.4	7.5	10.8	11.5	10.4	9.6	28.0	5.8	14.7
ROTORCRAFT: TOTAL	398.6	381.7	451.6	320.1	372.8	417.9	357.3	372.9	331.7	343.6
% STD. ERROR	5.6	7.8	7.8	5.5	0.8	6.2	7.0	6.3	6.8	5.4
PISTON: TOTAL	218.8	184.6	233.7	223.7	230.6	222.3	231.6	275.0	192.9	186.0
% STD. ERROR	6.6	11.8	9.0	8.9	1.9	9.0	7.8	11.1	12.8	9.7
TURBINE: TOTAL	506.0	491.3	592.2	403.6	479.5	548.3	456.4	442.5	444.9	468.0
% STD. ERROR	6.8	9.1	9.6	6.9	8.0	7.6	9.5	7.6	8.0	6.4
ONE ENGINE TURBINE	501.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	8.0									
MULTI-ENGL TURBINE	525.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	9.7									
GLIDERS	96.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	15.7									
LIGHTER-THAN-AIR	60.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	29.6									

1.7 GENERAL AVIATION AIRCRAFT AVERAGE HOURS FLOW
BY AIRCRAFT TYPE
1984 - 1993

PAGE 3 OF 3

AIRCRAFT TYPE	1993	1992	1991	1990 1/	1989 1/	1988 1/	1987 1/	1986 1/	1985 1/	1984
OTHER - TOTAL	N/A	50.9	61.4	51.6	55.0	88.7	61.0	56.0	65.9	56.5
% STD. ERROR		8.2	9.7	6.8	7.5	25.1	5.5	7.5	7.6	6.4
EXP. HOME BUILT	43.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	6.8									
EXP. EXHIBITION	54.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	16.6									
EXP. OTHER	131.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% STD. ERROR	14.2									
ALL AIRCRAFT	134.4	140.4	149.1	162.1	157.7	158.6	152.4	154.8	160.1	158.1
% STD. ERROR	1.8	1.8	1.8	1.7	1.6	1.7	1.6	1.6	1.6	1.6

BEGINNING IN 1993, EXCLUDES COMMUTERS.

1993 NEW AIRCRAFT TYPES: PRIOR TO 1993, SINGLE ENGINE TURBOPROPS WERE INCLUDED IN "OTHER" TURBOPROPS, SINGLE AND MULTI ENGINE ROTORCRAFT WERE NOT SHOWN SEPARATELY, GLIDERS AND LIGHTER-THAN-AIR AIRCRAFT WERE COMBINED INTO THE "OTHER" TYPE, EXPERIMENTAL AIRCRAFT WERE INCLUDED IN THE APPROPRIATE AIRCRAFT TYPE. FOR EXAMPLE, PRIOR TO 1993 THE SINGLE ENGINE PISTON AIRCRAFT TYPE INCLUDED BOTH EXPERIMENTAL AND NON EXPERIMENTAL AIRCRAFT. STARTING IN 1993 THAT AIRCRAFT TYPE INCLUDES ONLY THE NON EXPERIMENTAL.

1/ REVISED TO CORRECT FOR NONRESPONSE BIAS

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

1.8 1993 GENERAL AVIATION NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN
 BY FAA REGION AND STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 3

FAA REGION AND STATE	ACTIVE AIRCRAFT		HOURS FLOWN	
	AIRCRAFT	PERCENT STANDARD ERROR	HOURS (000)	PERCENT STANDARD ERROR
ALASKAN - TOTAL	5,410	7.2	699	8.8
CENTRAL - TOTAL	10,517	6.0	1,391	7.6
IOWA	2,328	12.3	249	15.2
KANSAS	2,953	10.7	416	13.2
MISSOURI	3,494	10.0	541	13.8
NEBRASKA	1,743	13.8	185	17.1
EASTERN - TOTAL	21,222	4.1	2,527	5.0
DELAWARE	1,332	15.4	229	21.6
DISTRICT OF COLUMBIA	24	*	7	*
MARYLAND	2,299	12.2	285	14.5
NEW JERSEY	3,434	10.0	470	11.6
NEW YORK	5,371	8.0	517	9.4
PENNSYLVANIA	5,145	8.1	548	10.5
VIRGINIA	2,764	11.1	385	13.9
WEST VIRGINIA	852	21.1	85	11.9
GREAT LAKES - TOTAL	32,424	3.2	3,791	4.0
ILLINOIS	6,160	7.5	834	9.1
INDIANA	3,753	9.5	528	11.2
MICHIGAN	6,150	7.5	675	8.6
MINNESOTA	4,583	8.5	528	12.1
NORTH DAKOTA	1,322	15.9	173	20.7
OHIO	5,620	7.8	593	8.9
SOUTH DAKOTA	1,001	18.2	123	26.0
WISCONSIN	3,836	9.5	336	11.9

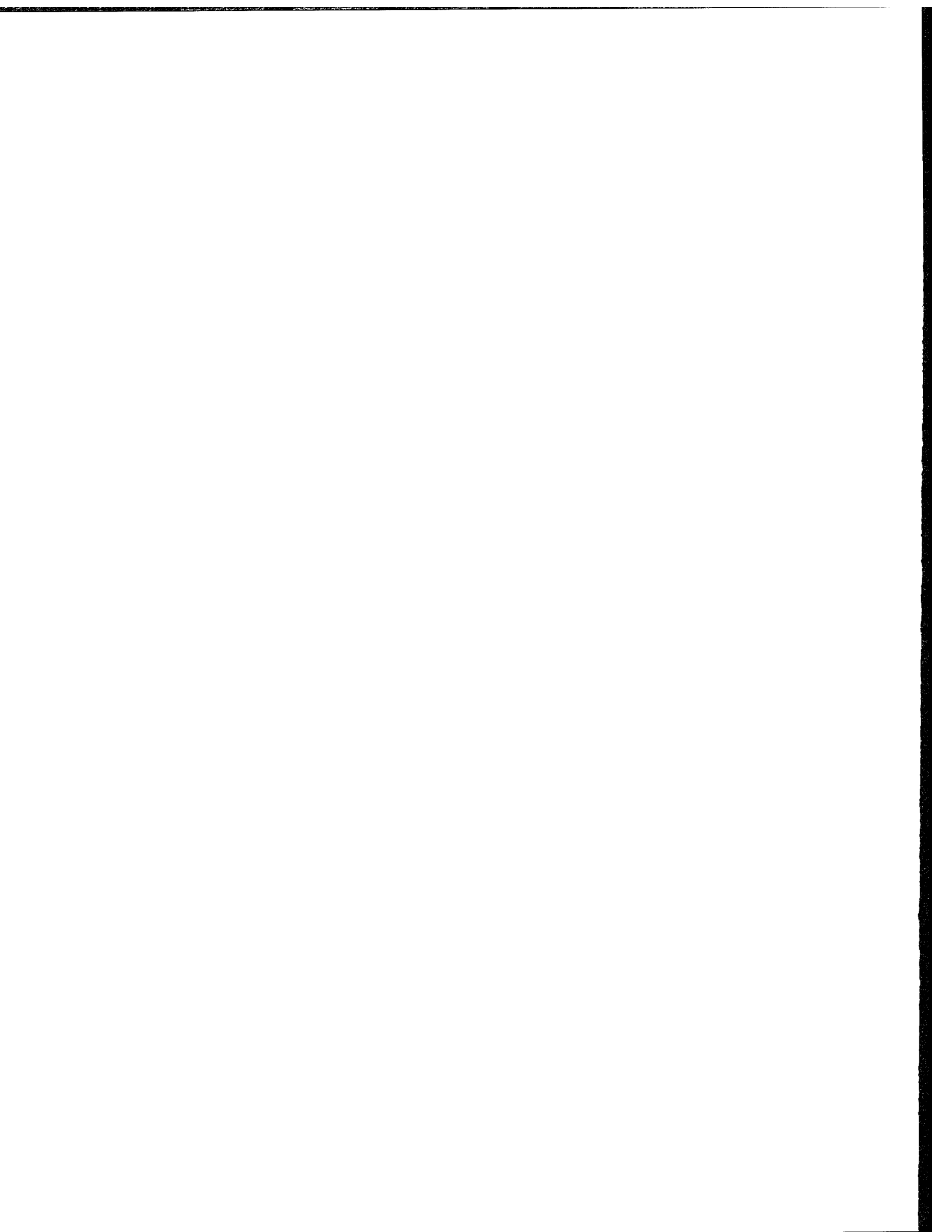
1.8 1993 GENERAL AVIATION NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN
 BY FAA REGION AND STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

FAA REGION AND STATE	ACTIVE AIRCRAFT		HOURS FLOWN	
	AIRCRAFT	PERCENT STANDARD ERROR	HOURS (000)	PERCENT STANDARD ERROR
NEW ENGLAND - TOTAL	7,160	7.4	905	9.1
CONNECTICUT	1,477	15.5	198	20.8
MAINE	1,029	18.8	116	24.2
MASSACHUSETTS	2,691	11.6	381	14.9
NEW HAMPSHIRE	1,216	16.4	131	19.1
RHODE ISLAND	284	36.3	34	41.9
VERMONT	464	27.2	45	37.7
NORTHWEST MOUNTAIN - TOTAL	18,259	4.4	2,403	5.8
COLORADO	3,855	9.5	601	14.0
IDAHO	1,797	13.5	216	17.3
MONTANA	1,808	13.9	192	16.7
OREGON	3,789	9.4	469	11.2
UTAH	1,041	18.3	167	23.6
WASHINGTON	5,326	7.9	688	10.6
WYOMING	645	22.6	69	28.1
SOUTHERN - TOTAL	28,544	3.4	4,432	4.4
ALABAMA	2,736	11.4	336	13.1
FLORIDA	10,498	5.5	1,912	6.9
GEORGIA	3,796	9.5	444	10.5
KENTUCKY	1,476	15.6	207	18.0
MISSISSIPPI	1,469	15.0	289	20.9
NORTH CAROLINA	3,782	9.5	480	11.5
PUERTO RICO	305	32.8	51	39.4
SOUTH CAROLINA	1,641	14.6	331	20.5
TENNESSEE	2,766	11.5	382	14.1
SOUTHWEST - TOTAL	22,868	3.8	3,552	4.8
ARKANSAS	2,415	11.7	359	14.6
LOUISIANA	2,255	12.2	356	15.1
NEW MEXICO	2,120	12.5	247	17.5
OKLAHOMA	3,135	10.6	458	13.6
TEXAS	12,944	4.9	1,953	6.0

1.8 1993 GENERAL AVIATION NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN
 BY FAA REGION AND STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

FAA REGION AND STATE	ACTIVE AIRCRAFT		HOURS FLOWN	
	AIRCRAFT	PERCENT STANDARD ERROR	HOURS (000)	PERCENT STANDARD ERROR
WESTERN-PACIFIC - TOTAL	29,598	3.3	4,636	4.1
ARIZONA	4,111	9.0	879	11.7
CALIFORNIA	23,279	3.6	3,314	4.1
HAWAII	312	29.8	140	42.2
NEVADA	1,838	13.1	268	19.7
TOTAL	176,006	0.7	24,337	1.8

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A STANDARD ERROR OF 100.0 OR GREATER.



CHAPTER II

COMMON GENERAL AVIATION ACTIVITY MEASURES

2.1 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
FIXED WING									
FIXED WING - PISTON									
1 ENG: 1-3 SEATS	68,813	41,250	1.8	59.9	1.1	4,757,842	4.1	115.4	3.7
1 ENG: 4+ SEATS	109,606	89,436	0.9	81.6	0.7	11,756,339	2.9	132.2	2.8
1 ENGINE: TOTAL	178,419	130,687	0.8	73.2	0.6	16,514,181	2.4	126.9	2.3
2 ENG: 1-6 SEATS	15,187	10,922	2.9	71.9	2.1	1,620,287	5.0	146.1	4.3
2 ENG: 7+ SEATS	6,581	5,465	2.3	83.0	1.9	894,017	6.2	160.9	5.7
2 ENGINE: TOTAL	21,768	16,388	2.1	75.3	1.6	2,514,305	3.9	150.8	3.4
PISTON: OTHER	95	18	38.9	18.9	7.4	913	42.8	49.6	13.1
PISTON: TOTAL	200,282	147,093	0.8	73.4	0.6	19,029,400	2.1	129.3	2.1
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL	807	703	6.7	87.1	5.8	244,209	11.3	342.5	8.4
2 ENG: 1-12 SEATS	4,086	3,265	3.8	79.9	3.0	843,800	6.7	261.0	6.0
2 ENG: 13+ SEATS	868	365	15.6	42.1	6.6	135,218	21.0	320.3	6.8
2 ENGINE: TOTAL	4,954	3,631	3.8	73.3	2.8	979,019	6.5	265.4	5.5
TURBOPROP: OTHER	71	24	37.5	33.8	12.7	3,278	42.6	135.3	11.6
TURBOPROP: TOTAL	5,832	4,359	3.3	74.7	2.5	1,226,508	5.6	277.5	4.7
FIXED WING - TURBOJET									
2 ENGINE: TOTAL	4,272	3,672	2.9	86.0	2.5	1,126,046	4.8	302.2	3.6

2.1 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 2

AIRCRAFT TYPE	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR	
TURBOJET: OTHER	434	186	11.8	42.9	5.1	39,272	15.5	213.5	7.8	
TURBOJET: TOTAL	4,706	3,859	2.8	82.0	2.3	1,165,318	4.7	298.4	3.5	
FIXED WING: TOTAL	210,820	155,312	0.7	73.7	0.5	21,421,222	1.9	135.3	1.9	
ROTORCRAFT										
PISTON: TOTAL	4,274	1,645	6.3	38.5	2.4	370,099	8.8	218.8	6.6	
1 ENG: TURBINE	3,040	2,144	5.0	70.5	3.6	1,072,604	9.6	501.8	8.0	
MULTI-ENG: TURBINE	906	719	5.3	79.4	4.2	389,602	10.9	525.5	9.7	
TURBINE: TOTAL	3,946	2,864	4.0	72.6	2.9	1,462,206	7.6	506.0	6.8	
ROTORCRAFT: TOTAL	8,220	4,509	3.4	54.9	1.9	1,832,305	6.3	398.6	5.6	
OTHER AIRCRAFT										
GLIDERS:	2,760	1,645	6.8	59.6	4.1	159,091	17.1	96.7	15.7	
LIGHTER-THAN-AIR:	5,497	3,601	5.7	65.5	3.7	216,633	30.2	60.1	29.6	
EXPERIMENTAL:										
HOME BUILT:	12,683	6,853	5.9	54.0	3.2	298,339	9.0	43.5	6.8	
EXHIBITION:	2,617	1,621	7.3	61.9	4.5	87,679	18.2	54.1	16.6	
OTHER:	3,374	2,461	5.0	72.9	3.6	324,608	15.0	131.9	14.2	
TOTAL	245,971	176,006	0.7	71.6	0.5	24,339,880	1.8	134.4	1.8	

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 15

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
1ENG PIST (1)	10,115	4,622	6.8	45.7	3.1	269,783	14.7	58.4	13.1
1ENG PIST (2)	893	400	12.0	44.8	5.4	40,351	24.2	100.9	21.0
2ENG PIST (3)	469	212	10.7	45.2	4.8	34,031	20.4	160.6	17.4
2ENG PIST (4)	1,320	1,078	6.5	81.7	5.3	151,066	14.0	140.1	12.4
PIST OTHR (5)	95	18	40.7	19.4	7.9	914	42.8	49.6	13.1
1ENG TURB (6)	136	103	15.1	75.7	11.4	23,682	24.2	230.1	18.9
2ENG TURB (7)	191	125	12.3	65.5	8.1	22,413	15.1	179.1	8.8
2ENG TURB (8)	135	37	23.0	27.2	6.3	9,338	28.3	254.3	16.5
TURB OTHR (9)	71	24	41.0	34.1	14.0	3,279	42.6	135.3	11.6
2ENG TURBOJET (10)	203	130	16.8	64.0	10.7	32,317	23.5	248.9	16.5
TURBOJET OTHR (11)	189	31	17.8	16.3	2.9	1,863	35.2	60.4	30.3
PIST HEL (12)	1,007	127	27.2	12.6	3.4	10,265	34.4	81.0	21.1
1ENG TUR HEL (13)	231	87	19.0	37.9	7.2	18,696	29.9	213.8	23.1
MULTI-ENG TUR HEL (14)	113	60	10.9	52.9	5.8	46,835	22.8	783.5	20.1
GLIDERS (15)	2,760	1,645	6.9	59.6	4.1	159,092	17.1	96.7	15.7
LIGHTER-THAN-AIR (16)	5,497	3,602	5.7	65.5	3.8	216,633	30.2	60.1	29.6

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
EXP-HOME BUILT (17)	12,683	6,854	5.9	54.0	3.2	298,339	9.0	43.5	6.8
EXP-EXHIBITION (18)	2,617	1,622	7.4	62.0	4.6	87,679	18.2	54.1	16.6
EXP-OTHER (19)	3,374	2,462	5.0	73.0	3.6	324,608	15.0	131.9	14.2
AEROSPAS355	98	58	28.9	59.6	17.2	16,553	32.8	283.2	15.5
AEROPSA316	83	0	0.0	0.0	0.0	0	0.0	0.0	0.0
AGUSTAA109	71	62	9.6	87.4	8.4	9,866	33.8	158.9	32.4
AIRPTSA	184	80	17.1	43.2	7.4	2,968	32.3	37.3	27.4
AIRTRCAT300	411	358	9.0	87.1	7.8	87,114	13.1	243.4	9.6
AIRTRCAT400	248	206	10.9	83.2	9.1	74,147	15.3	359.5	10.7
AIRTRCAT500	146	134	13.1	91.8	12.0	49,429	17.4	368.8	11.4
AMDFALC10	109	104	5.2	95.0	4.9	36,638	11.2	353.9	9.9
AMDFALC20	176	162	7.0	92.2	6.5	55,905	13.9	344.6	12.0
AMDFALC50	174	116	16.5	66.6	11.0	31,065	18.6	268.0	8.6
AMRGENAG5B	119	111	6.9	92.9	6.5	31,998	20.5	289.3	19.3
ARCTICS1A	77	20	22.5	26.3	5.9	600	28.6	29.6	17.6
ARONCA15	189	151	14.1	80.0	11.3	12,507	35.8	82.8	32.9

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
ARONCA65	584	272	17.3	46.6	8.0	7,358	28.7	27.1	22.9
ARONCAC3	91	13	39.0	14.5	5.6	199	53.6	15.1	36.8
AYRESS2 (1)	661	535	10.7	81.0	8.7	184,910	15.5	345.5	11.2
AYRESS2 (6)	122	110	12.9	90.5	11.6	35,936	30.9	325.6	28.1
BAGJETSTM	22	12	72.8	54.6	39.7	4,046	72.8	337.0	8.9
BBAVIA11	765	293	16.6	38.3	6.4	12,045	22.0	41.1	14.4
BBAVIA8	213	164	8.3	77.0	6.4	22,712	17.7	138.5	15.7
BEECH100	187	172	7.8	91.8	7.2	43,890	12.1	255.7	9.2
BEECH17	186	60	30.6	32.1	9.8	3,151	34.5	52.8	15.9
BEECH18	461	163	28.9	35.4	10.2	34,635	37.8	211.9	24.4
BEECH1900	124	68	58.3	54.6	31.8	35,508	60.4	524.7	15.7
BEECH1900D	63	17	*	27.3	31.0	10,830	*	630.0	14.6
BEECH200	744	656	7.5	88.2	6.6	212,312	11.4	323.5	8.5
BEECH23	2,439	2,037	5.4	83.5	4.5	218,747	14.2	107.4	13.1
BEECH300	234	122	22.1	52.1	11.5	36,172	25.3	297.0	12.3
BEECH33	2,069	1,815	4.0	87.7	3.5	313,540	15.8	172.7	15.3

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
BEECH35 (2)	6,257	5,198	3.8	83.1	3.1	472,961	7.7	91.0	6.7
BEECH35 (6)	92	70	20.5	76.4	15.7	13,045	43.4	185.5	38.2
BEECH36	2,393	2,150	4.1	89.9	3.7	352,909	11.3	164.1	10.5
BEECH45	341	164	21.9	48.1	10.6	16,759	30.3	102.2	21.0
BEECH50	227	88	25.5	38.7	9.9	7,388	28.0	84.2	11.5
BEECH55	2,044	1,509	8.6	73.8	6.3	184,374	13.6	122.2	10.5
BEECH56	50	33	18.5	67.0	12.4	3,534	30.7	105.5	24.5
BEECH58	1,487	1,140	7.9	76.7	6.0	223,127	15.5	195.7	13.4
BEECH60	368	315	12.1	85.6	10.4	34,613	32.9	109.8	30.6
BEECH65	100	20	*	20.1	22.3	1,789	*	88.9	25.2
BEECH76	255	210	7.1	82.3	5.8	73,278	16.9	349.3	15.3
BEECH77	207	155	14.1	74.9	10.5	14,593	26.6	94.1	22.6
BEECH80	108	76	19.5	70.4	13.8	23,010	33.7	302.7	27.4
BEECH90	1,074	887	8.8	82.6	7.2	248,519	17.3	280.1	14.9
BEECH95	409	295	9.2	72.0	6.6	62,815	22.2	213.2	20.2
BEECH99	50	27	31.7	53.1	16.8	11,682	34.8	439.8	14.4

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
BELL204	149	111	16.1	74.2	12.0	25,178	47.8	227.8	45.0
BELL206	1,464	1,129	7.8	77.1	6.0	646,082	13.2	572.5	10.7
BELL212	91	82	8.9	89.8	8.0	38,228	22.4	467.7	20.6
BELL222	74	63	10.3	85.8	8.8	22,267	18.0	350.8	14.7
BELL412	86	75	9.3	87.5	8.1	86,874	29.3	1,154.5	27.8
BELL47	1,087	375	17.0	34.5	5.9	70,308	22.7	187.3	15.0
BLANCA11	79	46	12.9	57.7	7.4	2,358	18.6	51.7	13.5
BLANCA1413	214	82	23.8	38.5	9.2	2,807	34.1	34.1	24.4
BLANCA1419	234	127	15.1	54.1	8.2	6,652	22.4	52.5	16.6
BLANCA17	928	780	7.7	84.1	6.4	79,883	27.8	102.4	26.7
BLANCA7 (1)	1,264	1,005	4.8	79.5	3.8	143,514	19.0	142.8	18.4
BLANCA7 (2)	26	7	80.6	27.6	22.2	301	82.4	41.9	17.2
BLANCA8	421	286	15.7	68.0	10.7	16,058	25.0	56.1	19.5
BLANKA/BBAVI	1,578	1,072	8.4	67.9	5.7	67,193	16.2	62.7	13.9
BNORMBN2	45	43	7.4	96.4	7.1	9,459	25.7	217.9	24.6
BOEING75	1,810	686	11.4	37.9	4.3	39,877	22.8	58.1	19.7

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
BOLKMS105	133	119	13.9	89.6	12.4	67,289	31.3	564.9	28.0
BOLKMS117	129	113	14.7	87.7	12.9	55,983	27.1	495.0	22.8
BRAERODH125	138	131	5.6	95.0	5.3	47,715	9.7	364.1	7.9
CESSNA120	785	486	11.7	61.9	7.2	27,607	18.5	56.9	14.4
CESSNA140	2,156	1,220	11.8	56.6	6.7	61,764	22.0	50.6	18.6
CESSNA150	16,518	11,789	3.5	71.4	2.5	2,111,472	7.7	179.1	6.9
CESSNA170	2,306	1,612	8.3	69.9	5.8	110,952	13.5	68.8	10.7
CESSNA172	22,386	19,046	2.0	85.1	1.7	3,209,134	7.7	168.5	7.4
CESSNA175	1,194	900	9.0	75.4	6.8	53,013	16.4	58.9	13.7
CESSNA177	2,550	2,055	5.8	80.6	4.7	244,341	13.0	118.9	11.6
CESSNA180	2,581	1,950	6.1	75.5	4.6	165,068	10.8	84.7	8.9
CESSNA182	12,762	11,082	2.3	86.8	2.0	1,212,230	7.3	109.4	6.9
CESSNA185	1,499	1,133	6.6	75.6	5.0	156,399	16.5	138.0	15.1
CESSNA188	1,326	842	11.0	63.5	7.0	150,878	16.0	179.1	11.6
CESSNA190	74	29	29.3	38.6	11.3	800	40.7	28.0	28.2
CESSNA195	465	278	14.0	59.7	8.4	15,650	18.9	56.3	12.6

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
CESSNA205	219	184	6.7	83.9	5.6	16,130	15.3	87.8	13.7
CESSNA206	2,279	1,682	8.2	73.8	6.1	252,522	16.2	150.2	14.0
CESSNA207	148	104	31.6	70.3	22.2	72,062	53.0	692.2	42.6
CESSNA208	311	286	12.7	91.8	11.7	122,118	18.2	427.7	13.1
CESSNA210	5,180	4,436	3.8	85.6	3.2	641,574	9.0	144.6	8.2
CESSNA303	101	82	12.9	81.5	10.5	25,875	26.2	314.2	22.8
CESSNA305	278	139	16.4	49.9	8.2	12,683	22.6	91.5	15.6
CESSNA310	2,689	2,098	7.0	78.0	5.5	291,953	15.5	139.1	13.8
CESSNA320	223	121	18.1	54.3	9.8	14,098	25.6	116.4	18.1
CESSNA336	60	27	20.5	44.8	9.2	1,949	31.5	72.4	23.9
CESSNA337	856	574	13.3	67.1	8.9	43,063	18.8	75.0	13.4
CESSNA340	824	679	9.9	82.5	8.2	116,076	14.7	170.8	10.8
CESSNA401	153	130	10.8	84.8	9.2	15,912	27.5	122.6	25.2
CESSNA402	422	254	21.5	60.3	12.9	77,459	27.6	304.5	17.3
CESSNA421	974	971	1.2	99.7	1.2	130,534	14.8	134.5	14.8
CESSNA425	157	144	7.1	91.8	6.5	33,186	14.8	230.2	13.0

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
CESSNA441	199	143	15.4	71.7	11.1	41,182	19.2	288.4	11.3
CESSNA500	818	684	9.6	83.6	8.0	187,145	14.0	273.8	10.2
CESSNA501	262	240	7.6	91.6	7.0	52,348	14.3	218.1	12.1
CESSNA650	180	150	11.1	83.4	9.3	53,387	15.0	355.7	10.1
CESSNA750	63	15	19.8	23.3	4.6	460	25.7	31.4	16.4
CHILDS1	241	188	9.7	78.1	7.5	14,244	14.4	75.7	10.7
CHILDS2	107	73	14.6	68.0	9.9	4,654	26.2	64.0	21.8
CHRISHUSKY	95	79	8.8	82.8	7.3	11,059	21.5	140.7	19.7
CNDAIRCL600	180	161	9.2	89.5	8.3	55,497	12.7	344.5	8.7
COMWTH185	80	32	23.4	39.9	9.3	1,008	32.7	31.6	22.8
CONAERLA4	391	335	7.0	85.7	6.0	22,584	16.0	67.4	14.4
CURTISTRVAIR	179	24	28.3	13.6	3.8	1,431	36.6	59.0	23.2
CVACBT/L13	139	49	19.6	35.0	6.8	2,047	27.1	42.1	18.8
DHAVDH82	65	45	13.1	69.5	9.1	1,051	22.2	23.3	17.9
DHAVDHC2	284	158	14.0	55.6	7.8	39,419	18.7	249.6	12.5
DHAVDHC6	77	24	43.6	31.5	13.7	11,763	48.0	485.7	20.1

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
DOUGDC3	188	93	28.5	49.6	14.1	15,502	46.8	166.2	37.1
EAGLEBAL	67	31	15.7	46.2	7.2	5,301	17.7	171.2	8.2
EMB110	44	7	51.8	17.0	8.8	2,149	56.6	286.7	22.9
ENSTRMF28 (12)	235	115	13.4	49.1	6.6	13,548	30.0	117.5	26.8
ENSTRMF28 (13)	102	81	6.6	79.2	5.2	14,070	23.8	174.2	22.9
FRCHLD24	232	46	28.1	19.7	5.5	1,857	35.5	40.6	21.7
FRCHLDM62	225	52	27.8	23.0	6.4	2,294	33.4	44.4	18.5
GRUMAVAA1	434	325	13.3	74.9	9.9	19,196	19.4	59.0	14.1
GRUMAVAA5	973	895	5.3	92.0	4.9	102,071	17.6	114.0	16.7
GRUMAVG164	484	252	26.5	52.1	13.8	87,965	29.5	348.8	12.8
GRUMAVG21	49	33	22.8	66.6	15.2	2,737	49.7	83.9	44.2
GULSTM112	586	492	7.7	84.0	6.5	52,520	14.8	106.7	12.6
GULSTM500	266	254	4.4	95.4	4.2	41,806	19.6	164.7	19.1
GULSTM560	77	70	14.1	90.7	12.8	6,026	54.6	86.3	52.8
GULSTM680	156	115	16.9	73.6	12.4	15,526	27.7	135.3	21.9
GULSTM680TP	55	39	26.1	70.2	18.3	5,766	46.4	149.4	38.4

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
GULSTM690TP	312	258	11.0	82.6	9.1	44,980	19.2	174.4	15.7
GULSTMAA1	497	412	7.0	82.9	5.8	24,446	14.8	59.4	13.0
GULSTMAA5	927	758	8.7	81.8	7.1	102,241	26.2	134.8	24.7
GULSTMG1159	459	344	16.7	74.9	12.5	141,507	21.9	411.7	14.2
GULSTMG159	69	36	25.3	52.9	13.4	9,674	28.7	265.1	13.5
GULSTMG44	80	50	14.0	62.0	8.7	4,556	27.0	91.8	23.0
GULSTMGA7	51	42	10.4	81.5	8.5	4,772	21.6	114.8	19.0
HELIOH295	85	57	14.5	67.3	9.8	6,055	32.4	105.8	28.9
HILLERUH12	404	145	20.6	36.0	7.4	24,210	25.6	166.5	15.2
HUGHES269	552	280	19.3	50.8	9.8	69,394	26.9	247.7	18.7
HUGHES369 (12)	102	75	13.8	74.5	10.3	25,578	24.4	336.7	20.1
HUGHES369 (13)	587	450	11.9	76.6	9.1	195,143	20.4	434.1	16.6
HWKSLYDH125	350	319	6.3	91.1	5.7	82,963	15.9	260.2	14.6
HYNESB2	110	18	44.0	16.8	7.4	692	46.2	37.6	14.2
INTRCP200	52	29	20.0	56.7	11.3	1,939	25.0	65.8	15.0
ISRAEL1121	51	27	33.1	53.8	17.8	2,245	33.3	81.8	3.4

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
ISRAEL1124	250	235	6.6	94.2	6.3	75,510	16.3	320.7	14.8
JBWSTRDGA15	86	21	25.3	24.6	6.2	1,892	33.0	89.6	21.2
LEAR24	107	90	14.8	83.8	12.4	30,304	30.5	338.0	26.7
LEAR25	112	103	11.2	92.1	10.4	37,464	22.5	363.2	19.5
LEAR35	446	422	6.3	94.6	6.0	146,810	14.1	348.0	12.6
LEAR55	101	96	8.0	95.0	7.6	39,103	15.9	407.7	13.7
LKHEED1329	71	40	24.1	55.8	13.5	6,344	28.0	160.0	14.1
LUSCOMB	1,904	837	14.4	44.0	6.3	39,702	20.8	47.4	14.9
MAULEM4	247	189	9.8	76.4	7.5	14,077	19.2	74.6	16.5
MAULEM5	439	397	7.3	90.5	6.6	37,661	45.6	94.8	45.0
MAULEM6	87	80	9.4	92.3	8.6	8,385	33.7	104.4	32.3
MAULEM7	123	114	4.8	92.7	4.4	11,718	14.3	102.8	13.5
MCLISHFUNKB	136	57	17.3	41.9	7.3	1,659	23.2	29.1	15.3
MILITARY204	162	60	14.5	36.9	5.4	13,486	17.2	225.5	9.3
MNC0UP90	50	11	24.6	22.6	5.6	219	31.8	19.4	20.2
MNMITEM18	118	53	25.1	44.9	11.3	2,579	41.5	48.7	33.1

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
MOONEYM20	6,012	5,194	3.2	86.4	2.8	643,214	8.5	123.8	7.9
MTSBSIMU2	356	204	25.4	57.2	14.6	38,399	31.5	188.4	18.7
MTSBSIMU300	70	64	7.6	91.2	6.9	12,887	15.2	202.0	13.2
NAMERT28	184	92	19.0	50.1	9.5	3,771	22.8	40.9	12.5
NAMERT6	202	129	18.6	64.0	11.9	5,433	26.5	42.0	18.8
NAVIONNAVION	1,107	724	9.9	65.4	6.5	38,683	15.7	53.4	12.2
NORWST65	63	40	21.6	62.8	13.6	2,860	35.1	72.2	27.6
PIPER600	363	299	11.0	82.4	9.1	42,900	15.9	143.3	11.5
PIPER602	258	211	11.5	81.9	9.4	31,394	17.1	148.6	12.6
PIPERJ3	3,981	2,029	8.0	51.0	4.1	87,975	15.1	43.4	12.8
PIPERJ4	210	44	23.6	21.0	5.0	1,630	30.4	36.9	19.2
PIPERJ5	288	140	14.4	48.6	7.0	5,812	30.0	41.5	26.3
PIPERPA14	96	45	54.1	46.4	25.1	2,427	*	54.5	96.1
PIPERPA15	163	81	18.5	50.0	9.3	2,654	22.7	32.6	13.1
PIPERPA16	320	113	31.0	35.3	10.9	6,122	36.2	54.2	18.7
PIPERPA17	96	59	15.0	61.3	9.2	2,496	28.1	42.4	23.7

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
PIPERPA18	3,430	2,127	9.8	62.0	6.1	178,578	21.8	84.0	19.5
PIPERPA20	416	254	15.1	61.1	9.2	11,124	25.9	43.7	21.1
PIPERPA22 (1)	863	562	14.5	65.1	9.4	37,492	31.0	66.7	27.4
PIPERPA22 (2)	3,341	2,030	8.4	60.8	5.1	120,009	12.8	59.1	9.6
PIPERPA23	2,795	1,717	10.4	61.4	6.4	209,126	15.0	121.8	10.8
PIPERPA24	2,886	2,499	4.4	86.6	3.8	217,183	9.1	86.9	8.0
PIPERPA25	952	665	10.1	69.9	7.1	82,611	16.5	124.1	13.0
PIPERPA28 (1)	5,597	4,222	4.8	75.4	3.6	345,964	11.0	81.9	9.9
PIPERPA28 (2)	14,499	12,752	2.1	87.9	1.8	1,953,971	8.0	153.2	7.7
PIPERPA30	1,127	883	7.8	78.3	6.1	110,456	14.2	125.2	11.9
PIPERPA31 (3)	117	90	13.8	76.5	10.6	8,377	33.3	93.6	30.2
PIPERPA31 (4)	755	722	4.5	95.6	4.3	170,822	15.8	236.6	15.2
PIPERPA31T	450	374	10.1	83.1	8.4	90,395	16.6	241.8	13.2
PIPERPA32	3,812	3,210	4.6	84.2	3.9	530,436	11.7	165.2	10.8
PIPERPA34	1,507	1,444	3.5	95.8	3.4	197,735	12.5	137.0	12.0
PIPERPA36	260	215	14.7	82.9	12.2	44,495	21.4	206.5	15.5

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
PIPERA38	972	744	10.0	76.5	7.7	191,500	24.3	257.4	22.2
PIPERA42	87	74	11.2	84.7	9.5	15,998	15.7	217.0	11.0
PIPERA44	271	233	11.4	85.9	9.8	92,073	20.3	395.6	16.8
PIPERA46	374	351	5.0	93.8	4.7	65,688	11.2	187.1	10.0
RKHELLNA265	260	212	9.6	81.4	7.8	36,303	16.7	171.6	13.6
ROBSINR22	660	470	6.9	71.2	4.9	150,408	12.2	319.9	10.1
SCWZERG164	792	397	26.0	50.2	13.0	101,531	29.2	255.5	13.4
SKRSKYS58	57	9	86.6	15.6	13.5	548	88.0	61.6	16.0
SKRSKYS76	111	87	23.7	78.3	18.6	45,708	32.0	525.7	21.5
SLINDS100	269	211	12.4	78.4	9.7	9,917	22.8	47.0	19.2
SNIAS350	262	228	9.5	86.9	8.3	159,951	23.2	702.3	21.2
SOCATATB10	59	53	9.4	90.4	8.5	7,288	23.2	136.6	21.2
SOCATATB20	163	119	19.6	73.0	14.3	19,257	25.6	161.9	16.4
STNSON10	132	20	28.0	14.8	4.2	755	32.2	38.6	15.9
STNSONL5	118	39	16.8	33.0	5.5	1,800	35.6	46.2	31.4
STNSONV77	108	34	23.9	31.2	7.5	937	27.3	27.8	13.1

2.2 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
STOLAMRC3	206	74	17.2	35.8	6.2	3,148	25.7	42.7	19.1
SHRNGNSA226	141	91	11.1	64.7	7.2	22,975	14.9	251.9	10.0
SHRNGNSA227	118	58	46.3	48.8	22.6	20,476	58.7	355.8	36.1
SHRNGNSA26	65	58	13.8	88.6	12.2	7,366	33.1	128.0	30.1
TCRAFKD	272	92	15.7	33.7	5.3	3,858	18.4	42.0	9.7
TCRAFT19	110	85	9.6	77.5	7.5	5,993	15.6	70.3	12.3
TCRAFTBC	1,673	760	14.8	45.4	6.7	36,381	18.2	47.9	10.7
TCRAFTBL	194	69	13.8	35.7	4.9	2,222	20.1	32.1	14.6
TH55	60	29	15.6	48.5	7.5	5,149	25.8	176.9	20.6
UNIVACGC1	451	197	17.7	43.7	7.7	8,936	22.3	45.3	13.5
UNIVAR108	1,803	764	12.8	42.4	5.4	38,087	17.2	49.9	11.5
UNIVAR415	2,171	1,157	11.8	53.3	6.3	39,361	17.1	34.0	12.4
VARGA2150	123	101	11.4	81.7	9.4	4,905	20.3	48.8	16.8
WACO	563	205	15.7	36.4	5.7	7,307	34.1	34.8	27.6
WTHRLY201	53	35	20.6	65.7	13.5	6,822	25.0	195.9	14.1
TOTAL	245,971	176,006	0.7	71.6	0.5	24,339,884	1.8	134.4	1.8

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES. AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A STANDARD ERROR OF 100.0 OR GREATER. NUMBER IN PARENTHESIS FOLLOWING GROUP NAME INDICATES THE AIRCRAFT TYPE TO WHICH THESE AIRCRAFT BELONG. SEE THE FOLLOWING PAGE FOR A DESCRIPTION OF THESE AIRCRAFT TYPES. FOR ADDITIONAL INFORMATION SEE APPENDIX B FOR AIRCRAFT GROUP NAMES AND FAA MANUFACTURER/MODEL CODES.

AIRCRAFT DEFINITIONS AND TYPES USED FOR THE GENERAL AVIATION SURVEY

AIRCRAFT TYPE DEFINITION	AIRCRAFT TYPE
FIXED-WING PISTON: 1 ENGINE - 1-3 SEATS	(1)
FIXED-WING PISTON: 1 ENGINE 4 + SEATS	(2)
FIXED-WING PISTON: 2 ENGINE - 1-6 SEATS	(3)
FIXED-WING PISTON: 2 ENGINE - 7 + SEATS	(4)
FIXED-WING PISTON: OTHER	(5)
FIXED WING-TURBOPROP: 1 ENGINE	(6)
FIXED WING-TURBOPROP: 2 ENGINE - 1-12 SEATS	(7)
FIXED WING-TURBOPROP: 2 ENGINE - 13 + SEATS	(8)
FIXED WING-TURBOPROP: OTHER	(9)
FIXED WING - TURBOJET: 2 ENG	(10)
FIXED WING - TURBOJET: OTHER	(11)
ROTORCRAFT: PISTON	(12)
ROTORCRAFT: 1 ENGINE - TURBINE	(13)
ROTORCRAFT: MULTI-ENGINE - TURBINE	(14)
OTHER AIRCRAFT: GLIDERS	(15)
OTHER AIRCRAFT: LIGHTER-THAN-AIR	(16)
OTHER AIRCRAFT: EXPERIMENTAL - HOME BUILT	(17)
OTHER AIRCRAFT: EXPERIMENTAL - EXHIBITION	(18)
OTHER AIRCRAFT: EXPERIMENTAL - OTHER	(19)

2.3 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 1

REGION	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
ALASKAN	7,772	5,410	7.2	69.6	6.4	698,743	8.8	116.0	10.9
CENTRAL	15,635	10,517	6.0	67.3	5.1	1,391,444	7.6	129.7	7.5
EASTERN	29,428	21,222	4.1	72.1	3.8	2,526,959	5.0	115.5	4.6
GREAT LAKES	45,006	32,424	3.2	72.0	2.9	3,791,169	4.0	112.3	3.7
NEW ENGLAND	11,024	7,160	7.4	65.0	6.1	905,054	9.1	123.8	6.2
NORTHWEST MT.	26,500	18,259	4.4	68.9	3.9	2,402,570	5.8	129.0	5.2
SOUTHERN	40,475	28,544	3.4	70.5	3.1	4,432,377	4.4	152.9	5.1
SOUTHWESTERN	30,598	22,868	3.8	74.7	3.7	3,552,344	4.8	152.2	5.5
WESTERN-PACIFIC	39,528	29,598	3.3	74.9	3.2	4,636,476	4.1	151.6	5.2
TOTAL	245,971	176,006	0.7	71.6	0.5	24,339,888	1.8	134.4	1.8

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

2.4 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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STATE	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
ALABAMA	4,102	2,736	11.4	66.7	9.8	335,637	13.1	119.4	10.2
ALASKA	7,773	5,410	6.7	69.6	6.2	698,743	8.8	116.0	10.9
ARIZONA	5,979	4,111	9.0	68.8	8.1	879,235	11.7	209.7	10.2
ARKANSAS	3,345	2,415	11.7	72.2	11.2	358,628	14.6	142.7	12.7
CALIFORNIA	30,298	23,279	3.6	76.8	3.7	3,313,572	4.1	137.9	6.2
COLORADO	5,093	3,855	9.5	75.7	9.6	601,195	14.0	156.2	12.0
CONNECTICUT	2,112	1,477	15.5	69.9	14.2	198,364	20.8	127.0	13.9
DELAWARE	1,934	1,332	15.4	68.9	13.9	229,341	21.6	169.9	15.0
DIST. OF COLUMBIA	50	24	*	48.7	66.3	6,988	*	287.0	12.4
FLORIDA	13,886	10,498	5.5	75.6	5.6	1,911,928	6.9	181.6	10.3
GEORGIA	4,988	3,796	9.5	76.1	9.7	444,482	10.5	113.8	9.2
HAWAII	641	312	29.8	48.7	17.6	140,053	42.2	431.4	26.8
IDAHO	2,531	1,797	13.5	71.0	12.6	216,488	17.3	111.7	12.7
ILLINOIS	8,149	6,160	7.5	75.6	7.5	834,113	9.1	132.7	8.7
INDIANA	4,941	3,753	9.5	75.9	9.7	528,359	11.2	132.8	9.2
IOWA	3,421	2,328	12.3	68.0	10.9	249,358	15.2	103.6	11.7
KANSAS	4,054	2,953	10.7	72.8	10.4	415,885	13.2	138.8	14.5

2.4 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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STATE	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
KENTUCKY	2,609	1,476	15.6	56.6	11.1	206,733	18.0	140.0	13.0
LOUISIANA	3,424	2,255	12.2	65.8	10.4	536,356	15.1	229.5	13.1
MAINE	1,396	1,029	18.8	73.7	18.4	116,391	24.2	111.0	11.9
MARYLAND	3,301	2,299	12.2	69.7	11.2	285,205	14.5	122.2	12.7
MASSACHUSETTS	3,377	2,691	11.6	79.7	12.6	380,710	14.9	139.7	12.1
MICHIGAN	7,693	6,150	7.5	79.9	8.1	675,316	8.6	104.9	8.2
MINNESOTA	6,954	4,583	8.5	65.9	7.3	528,286	12.1	110.7	11.8
MISSISSIPPI	2,348	1,469	15.0	62.6	12.1	289,229	20.9	197.4	24.0
MISSOURI	5,458	3,494	10.0	64.0	8.2	540,945	13.8	152.5	13.8
MONTANA	2,405	1,808	13.9	75.2	14.0	191,793	16.7	102.4	12.4
NEBRASKA	2,702	1,743	13.8	64.5	11.4	185,255	17.1	102.7	9.9
NEVADA	2,502	1,838	13.1	73.5	12.7	267,538	19.7	143.5	19.0
NEW HAMPSHIRE	2,124	1,216	16.4	57.2	11.9	131,486	19.1	106.9	10.6
NEW JERSEY	4,128	3,434	10.0	83.2	11.5	470,106	11.6	133.2	10.7
NEW MEXICO	2,865	2,120	12.5	74.0	12.2	246,609	17.5	116.4	14.0
NEW YORK	7,397	5,371	8.0	72.6	7.7	516,503	9.4	93.5	9.8
NORTH CAROLINA	5,015	3,782	9.5	75.4	9.6	480,240	11.5	120.4	8.3

2-4 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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STATE	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
NORTH DAKOTA	2,304	1,322	15.9	57.4	11.6	173,485	20.7	130.2	16.5
OHIO	7,629	5,620	7.8	73.7	7.7	593,169	8.9	101.8	8.6
OKLAHOMA	4,602	3,135	10.6	68.1	9.4	457,532	13.6	143.9	13.3
OREGON	5,667	3,789	9.4	66.9	8.2	469,205	11.2	117.3	9.6
PENNSYLVANIA	6,898	5,145	8.1	74.6	8.1	547,988	10.5	102.5	10.1
RHODE ISLAND	910	284	36.3	31.2	13.2	33,512	41.9	117.2	9.2
SOUTH CAROLINA	2,542	1,641	14.6	64.5	12.2	331,125	20.5	202.5	17.1
SOUTH DAKOTA	2,015	1,001	18.2	49.7	11.1	122,770	26.0	115.8	12.5
TENNESSEE	3,846	2,766	11.5	71.9	10.9	382,349	14.1	129.6	11.1
TEXAS	16,363	12,944	4.9	79.1	5.3	1,953,218	6.0	148.7	8.4
UTAH	2,307	1,041	18.3	45.1	10.1	167,152	23.6	160.7	17.8
VERMONT	1,106	464	27.2	41.9	13.5	44,589	37.7	96.6	20.1
VIRGINIA	4,057	2,764	11.1	68.1	9.8	385,337	13.9	136.0	10.6
WASHINGTON	7,107	5,326	7.9	74.9	7.9	687,720	10.6	129.0	10.8
WEST VIRGINIA	1,664	852	21.1	51.2	13.5	85,489	26.2	94.5	14.0
WISCONSIN	5,322	3,836	9.5	72.1	9.1	335,668	11.9	82.2	8.9
WYOMING	1,391	645	22.6	46.4	12.9	69,015	28.1	105.7	14.4

2-4 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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STATE	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
PUERTO RICO	1,041	305	32.8	29.3	11.2	50,650	39.4	161.8	11.1
OTHER U.S. TERRITORIES	206	134	38.8	65.3	33.3	36,076	54.3	268.1	24.9
TOTAL	245,971	176,006	.7	71.6	.5	24,337,119	11.4	134.4	1.8

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT OF STANDARD ERROR OF 100.0 OR GREATER.

2.5 1993 GENERAL AVIATION TOTAL NUMBER OF LANDINGS BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
FIXED WING										
FIXED WING - PISTON										
1 ENG: 1-3 SEATS	219,437	470,500	1,007,106	1,556,421	674,567	897,280	1,438,738	1,622,743	1,300,664	9,187,456
% STD. ERROR	29.9	17.8	20.2	15.4	33.0	20.7	22.1	17.1	17.5	7.1
1 ENG: 4+ SEATS	535,149	726,032	1,509,029	2,228,897	618,315	1,569,883	2,335,635	1,654,673	2,959,700	14,137,313
% STD. ERROR	22.1	16.3	11.6	11.6	15.5	12.9	10.9	13.1	13.6	4.7
1 ENGINE: TOTAL	754,586	1,196,532	2,516,135	3,785,318	1,292,882	2,467,163	3,774,373	3,277,416	4,260,364	23,324,769
% STD. ERROR	17.9	12.1	10.6	9.3	18.8	11.1	10.8	10.7	10.9	4.0
2 ENG: 1-6 SEATS	9,848	89,097	155,960	287,988	49,658	86,373	402,630	147,935	277,313	1,506,802
% STD. ERROR	64.9	33.5	19.3	21.4	39.4	27.7	19.0	25.9	19.1	8.6
2 ENG: 7+ SEATS	14,363	28,182	55,176	153,191	36,956	104,445	160,287	116,393	147,598	816,591
% STD. ERROR	74.8	44.8	39.5	31.3	54.7	39.2	23.8	27.5	31.8	12.1
2 ENGINE: TOTAL	24,211	117,279	211,136	441,179	86,614	190,818	562,917	264,328	424,911	2,323,393
% STD. ERROR	51.6	27.6	17.6	17.7	32.5	24.9	15.2	18.9	16.7	7.0
PISTON: OTHER	0	81	74	24	0	0	0	0	959	1,138
% STD. ERROR	0.0	*	*	*	0.0	0.0	0.0	0.0	67.2	72.7
PISTON: TOTAL	778,797	1,313,892	2,727,345	4,226,521	1,379,496	2,657,981	4,337,290	3,541,744	4,686,234	25,649,300
% STD. ERROR	17.4	11.3	9.9	8.6	17.7	10.5	9.6	10.0	10.0	3.7
FIXED WING- TURBOPROP										
1 ENGINE: TOTAL	0	5,088	2,557	4,710	339	56,144	113,520	153,447	73,204	409,009
% STD. ERROR	0.0	*	73.7	*	*	66.3	54.1	48.5	55.0	27.3
2 ENG: 1-12 SEATS	0	53,826	70,263	170,061	20,039	32,125	157,224	225,254	51,409	780,201
% STD. ERROR	0.0	30.4	32.3	22.4	55.6	33.7	19.2	29.8	35.2	11.6
2 ENGINE: 13+ SEATS	1,466	1,461	9,775	33,943	2,599	10,248	24,782	3,682	19,250	107,206
% STD. ERROR	75.1	83.9	34.1	30.7	*	61.3	30.6	79.3	49.2	16.8

2.5 1993 GENERAL AVIATION TOTAL NUMBER OF LANDINGS BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
2 ENGINE: TOTAL	1,466	55,287	80,038	204,004	22,638	42,373	182,006	228,936	70,659	887,407
% STD. ERROR	75.1	29.7	28.7	19.4	50.6	29.5	17.1	29.3	28.9	10.4
TURBOPROP: OTHER	0	0	241	0	0	0	0	0	2,556	2,797
% STD. ERROR	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	29.3	31.0
TURBOPROP: TOTAL	1,466	60,375	82,836	208,714	22,977	98,517	295,526	382,383	146,419	1,299,213
% STD. ERROR	75.1	30.4	27.8	19.1	50.0	39.9	23.3	26.2	30.8	11.1
FIXED WING - TURBOJET										
2 ENGINE: TOTAL	886	64,993	108,730	242,338	14,153	65,891	121,427	134,043	86,760	839,221
% STD. ERROR	*	32.2	25.3	16.4	59.9	27.8	18.4	21.3	25.7	8.4
TURBOJET: OTHER	120	1,867	5,120	6,179	1,030	1,462	6,579	4,069	1,084	27,510
% STD. ERROR	*	61.3	33.3	36.3	87.4	86.9	91.7	48.0	77.2	26.4
TURBOJET: TOTAL	1,006	66,860	113,850	248,517	15,183	67,353	128,006	138,112	87,844	866,731
% STD. ERROR	*	31.4	24.2	16.0	56.1	27.3	18.1	20.7	25.4	8.2
FIXED WING: TOTAL	781,269	1,441,127	2,924,031	4,683,752	1,417,656	2,823,851	4,760,822	4,062,239	4,920,497	27,815,244
% STD. ERROR	17.4	10.5	9.3	7.8	17.2	10.0	8.9	9.1	9.6	3.5
ROTORCRAFT										
PISTON: TOTAL	22,866	14,587	121,805	51,373	20,425	88,012	159,120	227,823	503,412	1,209,423
% STD. ERROR	*	53.5	42.6	40.7	60.9	50.9	38.2	62.8	19.7	16.5
1 ENG: TURBINE	101,958	167,746	221,745	89,463	7,816	251,966	209,329	27,707	690,459	1,768,189
% STD. ERROR	74.7	70.3	43.8	47.0	70.8	46.4	41.0	78.5	30.0	17.5
MULTI-ENG:TURBINE	116,680	26,815	189,548	202,753	18,685	57,013	100,659	23,053	129,011	864,217
% STD. ERROR	54.4	*	36.1	46.3	70.4	55.4	53.1	73.0	65.4	20.3
TURBINE: TOTAL	218,638	194,561	411,293	292,216	26,501	308,979	309,988	50,760	819,470	2,632,406
% STD. ERROR	45.3	64.7	28.9	35.2	53.8	39.2	32.6	54.2	27.3	13.5
ROTORCRAFT: TOTAL	1,022,773	1,650,275	3,457,129	5,027,341	1,464,582	3,220,862	5,229,930	4,340,822	6,243,379	31,657,073
% STD. ERROR	16.6	11.9	8.7	7.6	16.7	9.6	8.4	9.2	8.5	3.3

2.5 1993 GENERAL AVIATION TOTAL NUMBER OF LANDINGS BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
OTHER AIRCRAFT										
GLIDERS:	2	2,750	11,946	39,893	12,857	14,429	70,663	9,453	130,263	292,256
% STD. ERROR	*	*	58.5	46.2	60.0	59.9	85.5	65.4	53.2	32.5
LIGHTER-THAN-AIR:	147	11,558	25,853	27,161	4,607	29,960	82,840	42,499	68,274	292,899
% STD. ERROR	*	76.7	61.1	56.0	*	51.0	55.4	57.8	44.4	22.8
EXPERIMENTAL:										
HOME BUILT:	1,297	20,917	39,463	118,348	8,547	64,962	76,366	42,187	122,287	494,374
% STD. ERROR	*	66.4	57.5	27.4	87.2	39.8	42.0	76.0	45.3	17.7
EXHIBITION:	0	3,616	5,965	5,766	1,011	7,172	5,551	15,000	17,389	61,470
% STD. ERROR	0.0	*	*	*	*	*	*	68.8	*	48.7
OTHER:	42,228	31,648	38,752	39,061	12,772	64,398	76,855	33,938	48,856	388,508
% STD. ERROR	86.1	56.2	64.6	45.3	72.1	60.2	50.9	78.6	66.7	22.2
TOTAL ALL AIRCRAFT	1,066,447	1,720,764	3,579,108	5,257,570	1,504,376	3,401,763	5,542,205	4,483,899	6,630,448	33,186,580
% STD. ERROR	16.3	11.5	8.5	7.3	16.3	9.2	8.1	8.9	8.2	3.2

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN THE % STD. ERROR COLUMN INDICATES A STANDARD ERROR OF 100.0 OR GREATER.

2.6 1993 GENERAL AVIATION NUMBER OF LANDINGS IN LOCAL FLIGHT BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
FIXED WING										
FIXED WING - PISTON										
1 ENG: 1-3 SEATS	164,788	412,081	825,860	1,317,977	498,300	778,598	1,161,630	1,449,229	1,090,379	7,698,842
% STD. ERROR	32.8	18.6	21.3	16.1	33.8	21.6	18.9	18.0	19.1	7.1
1 ENG: 4+ SEATS	196,933	474,855	971,200	1,564,154	401,978	1,037,058	1,521,470	1,039,254	1,708,364	8,915,266
% STD. ERROR	19.0	19.9	14.0	14.6	18.0	15.2	13.2	17.8	18.5	6.0
1 ENGINE: TOTAL	361,721	886,936	1,797,060	2,882,131	900,278	1,815,656	2,683,100	2,488,483	2,798,743	16,614,108
% STD. ERROR	18.2	13.7	12.4	10.8	20.4	12.7	11.1	12.8	13.5	4.6
2 ENG: 1-6 SEATS	3,088	24,607	60,823	104,329	20,217	28,167	176,195	55,311	134,053	606,790
% STD. ERROR	67.3	51.3	35.1	27.2	50.9	57.8	31.0	40.1	27.5	13.4
2 ENG: 7+ SEATS	192	4,744	5,568	14,943	9,652	11,636	46,973	18,139	37,303	149,150
% STD. ERROR	*	*	*	86.2	*	76.8	51.7	*	60.3	30.6
2 ENGINE: TOTAL	3,280	29,351	66,391	119,272	29,869	39,803	223,168	73,450	171,356	755,940
% STD. ERROR	65.2	53.6	35.2	26.1	47.9	46.7	26.8	42.1	25.2	12.4
PISTON: OTHER	0	32	56	14	0	0	0	0	178	280
% STD. ERROR	0.0	*	*	*	0.0	0.0	0.0	0.0	*	*
PISTON: TOTAL	365,001	916,319	1,863,507	3,001,417	930,147	1,855,459	2,906,268	2,561,933	2,970,277	17,370,328
% STD. ERROR	18.0	13.4	12.0	10.4	19.8	12.5	10.5	12.5	12.8	4.4
FIXED WING- TURBOPROP										
1 ENGINE: TOTAL	0	4,949	914	3,537	93	10,396	21,417	151,566	67,141	260,013
% STD. ERROR	0.0	*	98.4	*	*	82.5	74.0	50.8	60.5	34.4
2 ENG: 1-12 SEATS	0	3,889	5,271	14,898	821	2,051	11,393	5,873	8,257	52,453
% STD. ERROR	0.0	*	*	*	*	*	*	*	*	60.6
2 ENG: 13+ SEATS	0	128	763	878	604	298	3,255	322	11,035	17,283
% STD. ERROR	0.0	*	70.5	*	*	*	*	*	79.2	56.6

2.6 1993 GENERAL AVIATION NUMBER OF LANDINGS IN LOCAL FLIGHT BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
2 ENGINE: TOTAL	0	4,017	6,034	15,776	1,425	2,349	14,648	6,195	19,292	69,736
% STD. ERROR	0.0	*	*	*	*	*	85.9	*	69.4	47.7
TURBOPROP: OTHER	0	0	186	0	0	0	0	0	210	396
% STD. ERROR	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	*	*
TURBOPROP: TOTAL	0	8,966	7,134	19,313	1,518	12,745	36,065	157,761	86,643	330,145
% STD. ERROR	0.0	*	87.1	87.0	*	72.6	56.1	50.6	49.4	28.9
FIXED WING - TURBOJET										
2 ENGINE: TOTAL	16	3,785	6,472	6,248	3,433	4,951	1,867	13,362	17,224	57,358
% STD. ERROR	*	*	82.0	*	*	*	*	59.3	71.7	38.5
TURBOJET: OTHER	23	29	203	193	56	90	819	22	238	1,673
% STD. ERROR	*	*	*	*	*	*	*	*	*	*
TURBOJET: TOTAL	39	3,814	6,675	6,441	3,489	5,041	2,686	13,384	17,462	59,031
% STD. ERROR	*	*	79.8	*	*	*	*	59.2	70.8	37.6
FIXED WING: TOTAL	365,040	929,099	1,877,316	3,027,171	935,154	1,873,245	2,945,019	2,733,078	3,074,382	17,759,504
% STD. ERROR	18.0	13.3	11.9	10.4	19.7	12.4	10.3	12.1	12.5	4.4
ROTORCRAFT										
PISTON: TOTAL	19,649	12,764	111,900	49,012	18,205	82,601	145,334	224,062	449,421	1,112,948
% STD. ERROR	*	59.3	44.1	40.7	63.6	53.3	40.5	64.7	20.2	17.5
1 ENG: TURBINE	25,443	108,776	100,709	54,936	4,548	167,154	107,890	14,604	569,738	1,153,798
% STD. ERROR	89.0	70.6	46.4	52.9	84.3	48.4	53.3	92.3	33.6	20.5
MULTI-ENG: TURBINE	25,229	16,184	81,215	58,858	9,423	44,087	60,062	12,600	116,350	424,008
% STD. ERROR	49.0	*	40.0	42.3	92.5	55.3	57.5	57.4	65.6	23.9
TURBINE: TOTAL	50,672	124,960	181,924	113,794	13,971	211,241	167,952	27,204	686,088	1,577,806
% STD. ERROR	50.9	65.0	31.3	33.6	68.1	40.0	39.9	56.2	30.1	16.3
ROTORCRAFT: TOTAL	435,361	1,066,823	2,171,140	3,189,977	967,330	2,167,087	3,258,305	2,984,344	4,209,891	20,450,258
% STD. ERROR	16.9	13.8	10.9	9.9	19.1	11.6	9.7	12.1	10.6	4.1

2.6 1993 GENERAL AVIATION NUMBER OF LANDINGS IN LOCAL FLIGHT BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
OTHER AIRCRAFT										
GLIDERS:	1	2,735	11,242	38,563	12,776	12,553	67,209	8,751	125,587	279,417
% STD. ERROR	*	*	54.4	45.4	58.8	53.5	85.7	64.6	55.7	33.4
LIGHTER-THAN-AIR:	147	8,335	23,875	27,071	3,769	29,869	66,850	40,215	67,816	267,947
% STD. ERROR	*	67.4	44.1	39.8	*	43.6	56.7	44.5	36.1	19.7
EXPERIMENTAL:										
HOME BUILT:	1,297	18,933	32,317	99,677	6,388	51,453	63,475	34,351	99,571	407,462
% STD. ERROR	*	54.6	48.3	24.1	85.6	37.9	37.6	70.0	46.8	16.8
EXHIBITION:	0	3,053	4,887	3,691	829	5,633	3,452	13,846	13,412	48,803
% STD. ERROR	0.0	*	94.5	*	*	*	*	62.6	*	44.6
OTHER:	20,670	29,162	20,873	30,176	6,039	42,809	38,557	17,229	35,446	240,961
% STD. ERROR	37.7	56.9	71.2	43.9	*	73.6	44.2	68.3	81.4	22.9
TOTAL ALL AIRCRAFT	457,476	1,129,041	2,264,334	3,389,155	997,131	2,309,404	3,497,848	3,098,736	4,551,723	21,694,848
% STD. ERROR	16.2	13.2	10.5	9.4	18.6	11.0	9.3	11.7	10.0	3.9

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN THE % STD. ERROR COLUMN INDICATES A STANDARD ERROR OF 100.0 OR GREATER.

2.7 1993 GENERAL AVIATION NUMBER OF LANDINGS IN CROSS COUNTRY FLIGHT BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
FIXED WING										
FIXED WING - PISTON										
1 ENG: 1-3 SEATS	53,984	58,416	181,076	236,236	178,709	117,508	277,274	165,730	208,306	1,477,239
% STD. ERROR	50.7	31.5	18.8	16.9	36.4	20.9	39.0	21.8	19.2	10.3
1 ENG: 4+ SEATS	337,508	251,206	537,708	664,667	215,977	529,345	814,930	614,656	1,244,782	5,210,779
% STD. ERROR	31.9	15.5	10.8	9.2	16.1	15.6	9.8	10.9	12.0	4.8
1 ENGINE: TOTAL	391,492	309,622	718,784	900,903	394,686	646,853	1,092,204	780,386	1,453,088	6,688,018
% STD. ERROR	28.4	13.9	9.4	8.1	18.7	13.3	12.3	9.8	10.6	4.4
2 ENG: 1-6 SEATS	6,838	64,494	94,747	183,866	29,690	58,406	225,371	91,805	140,437	895,654
% STD. ERROR	69.0	35.1	18.2	30.2	47.3	27.1	16.1	25.9	19.9	9.4
2 ENG: 7+ SEATS	14,170	23,276	48,878	137,964	27,376	92,144	115,582	97,806	108,903	666,099
% STD. ERROR	83.5	37.4	45.9	34.6	57.9	43.7	21.9	29.8	37.2	13.4
2 ENGINE: TOTAL	21,008	87,770	143,625	321,830	57,066	150,550	340,953	189,611	249,340	1,561,753
% STD. ERROR	60.6	27.6	19.7	22.8	37.1	28.8	13.0	19.8	19.8	7.9
PISTON: OTHER	0	49	17	9	0	0	0	0	781	856
% STD. ERROR	0.0	*	*	*	0.0	0.0	0.0	0.0	37.4	42.6
PISTON: TOTAL	412,500	397,441	862,426	1,222,742	451,752	797,403	1,433,157	969,997	1,703,209	8,250,627
% STD. ERROR	27.1	12.4	8.5	8.5	17.0	12.1	9.9	8.8	9.5	3.8
FIXED WING- TURBOPROP										
1 ENGINE: TOTAL	0	147	1,646	1,259	246	42,626	100,624	2,983	6,403	155,934
% STD. ERROR	0.0	*	73.6	*	*	91.5	70.7	*	66.6	52.2
2 ENG: 1-12 SEATS	0	49,896	65,042	155,193	19,244	30,183	145,775	219,204	42,890	727,427
% STD. ERROR	0.0	33.2	36.6	23.3	58.4	35.9	22.0	35.6	33.2	13.6
2 ENG: 13+ SEATS	1,466	1,333	8,922	32,595	1,911	9,788	21,461	3,229	8,167	88,872
% STD. ERROR	75.3	88.1	37.7	34.4	*	65.0	35.8	82.7	50.1	18.4

2.7 1993 GENERAL AVIATION NUMBER OF LANDINGS IN CROSS COUNTRY FLIGHT BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
2 ENGINE: TOTAL	1,466	51,229	73,964	187,788	21,155	39,971	167,236	222,433	51,057	816,299
% STD. ERROR	75.3	32.5	32.5	20.1	54.3	31.5	19.7	35.1	29.0	12.2
TURBOPROP: OTHER	0	0	55	0	0	0	0	0	2,346	2,401
% STD. ERROR	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	25.8	26.6
TURBOPROP: TOTAL	1,466	51,376	75,665	189,047	21,401	82,597	267,860	225,416	59,806	974,634
% STD. ERROR	75.3	32.4	31.8	20.0	53.8	49.6	29.3	34.7	25.8	13.2
FIXED WING - TURBOJET										
2 ENGINE: TOTAL	872	61,352	101,974	236,379	10,793	61,466	119,582	120,904	70,375	783,697
% STD. ERROR	*	35.8	28.4	18.5	62.1	32.6	20.3	24.3	28.3	9.5
TURBOJET: OTHER	135	1,849	5,048	5,971	994	1,667	5,794	4,039	882	26,379
% STD. ERROR	*	64.4	42.9	43.6	95.1	*	*	54.4	56.5	28.7
TURBOJET: TOTAL	1,007	63,201	107,022	242,350	11,787	63,133	125,376	124,943	71,257	810,076
% STD. ERROR	*	34.8	27.1	18.1	57.4	31.9	20.0	23.6	28.0	9.2
FIXED WING: TOTAL	414,973	512,018	1,045,113	1,654,139	484,940	943,133	1,826,393	1,320,356	1,834,272	10,035,337
% STD. ERROR	27.0	11.1	7.9	7.2	16.1	11.3	9.0	9.0	9.0	3.5
ROTORCRAFT										
PISTON: TOTAL	3,200	1,817	10,414	2,447	2,140	5,531	13,727	4,410	59,254	102,940
% STD. ERROR	*	61.0	33.4	58.1	57.3	68.3	64.8	52.1	24.1	17.7
1 ENG: TURBINE	75,360	56,516	120,544	34,469	3,411	84,263	99,878	12,633	125,272	612,346
% STD. ERROR	85.6	88.9	53.7	69.8	79.0	55.7	54.8	88.9	37.3	22.5
MULTI-ENG: TURBINE	95,691	10,630	120,084	134,455	10,354	12,926	40,461	7,680	12,136	444,417
% STD. ERROR	59.1	*	41.7	61.7	61.8	67.9	68.9	*	66.8	26.6
TURBINE: TOTAL	171,051	67,146	240,628	168,924	13,765	97,189	140,339	20,313	137,408	1,056,763
% STD. ERROR	50.2	79.1	34.0	51.1	50.4	49.1	43.8	74.2	34.5	17.2
ROTORCRAFT: TOTAL	589,224	580,981	1,296,155	1,825,510	500,845	1,045,853	1,980,459	1,345,079	2,030,934	11,195,040
% STD. ERROR	23.9	13.4	8.9	8.0	15.6	11.2	8.8	8.9	8.4	3.5

2.7 1993 GENERAL AVIATION NUMBER OF LANDINGS IN CROSS COUNTRY FLIGHT BY REGION OF BASED AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ALASKAN	CENTRAL	EASTERN	GREAT LAKES	NEW ENGLAND	NORTHWEST MOUNTAIN	SOUTHERN	SOUTH WESTERN	WESTERN-PACIFIC	TOTAL
OTHER AIRCRAFT										
GLIDERS:	0	14	704	1,329	81	1,875	3,453	701	4,676	12,833
% STD. ERROR	0.0	*	*	*	*	*	79.0	*	*	59.4
LIGHTER-THAN-AIR:	0	3,222	1,977	90	838	91	15,990	2,284	458	24,950
% STD. ERROR	0.0	*	*	*	*	*	67.5	*	*	51.8
EXPERIMENTAL:										
HOME BUILT:	0	1,984	7,145	18,670	2,158	13,509	12,891	7,835	22,716	86,908
% STD. ERROR	0.0	*	*	63.5	*	56.3	74.3	81.3	67.9	29.2
EXHIBITION:	0	562	1,078	2,075	182	1,539	2,098	1,154	3,976	12,664
% STD. ERROR	0.0	*	*	*	*	*	*	*	*	73.1
OTHER:	21,557	2,486	17,878	8,884	6,733	21,589	38,297	16,709	13,410	147,543
% STD. ERROR	*	99.1	92.7	*	64.4	88.1	73.3	*	67.4	37.7
TOTAL ALL AIRCRAFT	610,781	589,249	1,324,937	1,856,558	510,837	1,084,456	2,053,188	1,373,762	2,076,170	11,479,938
% STD. ERROR	23.8	13.2	8.9	7.9	15.4	10.9	8.7	8.9	8.3	3.5

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN THE %STD. ERROR COLUMN INDICATES A STANDARD ERROR OF 100.0 OR GREATER.

2.8 1993 GENERAL AVIATION TOTAL FLIGHT HOURS AND AVERAGE FLIGHT HOURS
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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AGE OF AIRCRAFT	YEARS OLD	YEAR BUILT	ESTIMATE OF TOTAL HOURS FLOWN	PERCENT STANDARD ERROR	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
1 TO 5	1989 - 1993		1,785,981	4.4	190.3	3.8
6 TO 10	1984 - 1988		1,452,939	4.6	181.8	4.3
11 TO 15	1979 - 1983		5,745,943	3.6	227.3	3.5
16 TO 20	1974 - 1978		6,608,736	3.4	168.3	3.3
21 TO 25	1969 - 1973		2,743,588	4.9	119.1	4.7
26 TO 30	1964 - 1968		2,781,520	3.3	94.4	3.2
31 TO 35	1959 - 1963		1,270,832	4.1	83.7	3.9
36 TO 40	1954 - 1958		735,104	4.8	77.5	4.5
41 TO 45	1949 - 1953		286,815	5.4	60.5	5.1
46 TO 50	1944 - 1948		580,345	4.3	46.3	4.2
51 TO 55	1939 - 1943		165,656	8.3	48.6	8.5
56 TO 60	1934 - 1938		13,224	7.1	38.5	3.0
OVER 60	- 1933		96,437	11.1	118.8	3.2
YEAR OF MANUFACTURE UNKN			72,697	55.5	344.0	8.3
TOTAL ALL AIRCRAFT			24,339,822	1.5	134.4	1.5

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

2.9 1993 GENERAL AVIATION TOTAL HOURS FLOWN IN RANGES OF HOURS FLOWN
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

TYPE OF AIRCRAFT	YEARS OLD	YEAR BUILT	ESTIMATE OF TOTAL HOURS FLOWN	TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE											
				1 - 50 HOURS	51 - 100 HOURS	101 - 150 HOURS	151 - 200 HOURS	201 - 300 HOURS	301 - 400 HOURS	401 - 500 HOURS					
1 TO 5	1989 - 1993		1,785,975	106,163	97,236	177,624	108,866	158,655	123,687	92,123					
6 TO 10	1984 - 1988		1,452,935	58,326	90,273	131,956	105,777	272,925	231,011	185,891					
11 TO 15	1979 - 1983		5,745,936	111,238	435,523	404,134	380,038	745,217	894,111	575,144					
16 TO 20	1974 - 1978		6,608,730	248,100	668,087	842,792	586,057	974,602	932,188	610,123					
21 TO 25	1969 - 1973		2,743,583	184,884	534,966	409,946	314,167	412,243	280,727	123,856					
26 TO 30	1964 - 1968		2,781,515	346,334	598,883	549,884	271,216	490,514	285,094	88,292					
31 TO 35	1959 - 1963		1,270,827	148,566	313,049	297,993	146,060	166,767	84,333	58,612					
36 TO 40	1954 - 1958		735,101	78,871	251,768	169,528	72,028	55,354	69,970	12,443					
41 TO 45	1949 - 1953		286,811	58,923	123,143	54,005	20,838	20,272	6,615	667					
46 TO 50	1944 - 1948		580,341	230,408	204,917	55,289	22,485	42,515	18,532	1,917					
51 TO 55	1939 - 1943		165,652	51,334	63,197	11,483	11,397	10,011	945	7,722					
56 TO 60	1934 - 1938		13,223	7,394	2,690	0	0	219	2,317	0					
OVER 60	- 1933		96,433	8,138	12,843	3,399	1,172	3,700	14,906	2,228					
YEAR OF MANUFACTURE UNKNOWN			72,691	873	294	628	5,286	7,684	8,673	6,500					
TOTAL ALL AIRCRAFT			24,339,753	1,639,552	3,396,869	3,125,264	2,045,387	3,360,678	2,953,109	1,765,518					

2.9 1993 GENERAL AVIATION TOTAL HOURS FLOWN IN RANGES OF HOURS FLOWN
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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TYPE OF AIRCRAFT	YEARS OLD	YEAR BUILT	ESTIMATE OF TOTAL HOURS FLOWN	TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE				
				501 - 700 HOURS	701 - 1000 HOURS	1001 - 1300 HOURS	1301 - 1600 HOURS	OVER 1600 HOURS
	1 TO 5	1989 - 1993	1,785,975	249,411	338,870	167,234	150,629	115,777
	6 TO 10	1984 - 1988	1,452,935	151,202	115,791	81,615	28,168	0
	11 TO 15	1979 - 1983	5,745,936	811,833	790,061	327,974	151,518	119,755
	16 TO 20	1974 - 1978	6,608,730	859,858	478,154	109,640	149,049	150,080
	21 TO 25	1969 - 1973	2,743,583	218,572	103,029	45,890	115,303	0
	26 TO 30	1964 - 1968	2,781,515	34,006	60,518	0	1,323	5,391
	31 TO 35	1959 - 1963	1,270,827	5,508	4,134	22,311	0	23,494
	36 TO 40	1954 - 1958	735,101	21,848	3,291	0	0	0
	41 TO 45	1949 - 1953	286,811	2,348	0	0	0	0
	46 TO 50	1944 - 1948	580,341	0	3,278	0	0	0
	51 TO 55	1939 - 1943	165,652	6,563	0	0	0	0
	56 TO 60	1934 - 1938	13,223	0	0	0	0	0
	OVER 60	- 1933	96,433	0	38,047	0	0	0
	YEAR OF MANUFACTURE UNKNOWN		72,691	9,652	2,863	13,464	16,774	0
TOTAL ALL AIRCRAFT			24,339,733	2,419,951	1,838,036	768,128	612,764	414,497

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

2.10 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS BY NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE BY AIRCRAFT TYPE EXCLUDES COMMUTER AIRCRAFT

TYPE OF AIRCRAFT	TOTAL NUMBER ACTIVE & HOURS FLOWN	NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE										
		1 - 50 HOURS	51 - 100 HOURS	101 - 150 HOURS	151 - 200 HOURS	201 - 300 HOURS	301 - 400 HOURS	401 - 500 HOURS				
FIXED WING												
FIXED WING - PISTON												
1 ENG: 1-3 SEATS	41,250 4,757,773	20,372 2,349,705	9,538 1,100,112	2,631 303,459	1,747 201,499	2,246 259,054	1,950 224,913	1,279 147,520				
1 ENG: 4+ SEATS	89,436 11,756,231	24,020 3,157,394	27,776 3,651,115	16,428 2,159,437	6,207 815,901	6,993 919,220	3,459 454,680	1,274 167,465				
1 ENGINE: TOTAL	130,687 16,514,004	44,392 5,507,099	37,314 4,751,227	19,059 2,462,896	7,954 1,017,400	9,239 1,178,273	5,409 679,593	2,553 314,985				
2 ENG: 1-6 SEATS	10,922 1,620,280	1,646 244,184	3,042 451,281	2,379 352,925	1,337 198,344	1,490 221,042	529 78,477	196 29,077				
2 ENG: 7+ SEATS	5,465 893,856	886 144,914	1,225 200,361	1,094 178,935	716 117,109	872 142,624	348 56,919	192 31,404				
2 ENGINE: TOTAL	16,388 2,514,136	2,532 389,099	4,267 651,642	3,473 531,860	2,053 315,453	2,362 363,666	877 135,396	388 60,480				
PISTON:												
OTHER	18 893	3 149	14 694	0 0	0 0	1 50	0 0	0 0				
PISTON: TOTAL	147,093 19,029,032	46,927 5,896,347	41,595 5,403,564	22,532 2,994,756	10,007 1,332,853	11,602 1,541,989	6,286 814,990	2,941 375,465				
FIXED WING - TURBOPROP												
1 ENGINE: TOTAL	703 244,161	18 6,252	68 23,617	12 4,168	56 19,450	54 18,755	306 106,278	50 17,366				
2 ENG: 1-12 SEATS	3,265 843,628	139 35,916	347 89,660	326 84,234	424 109,555	810 209,292	857 221,436	135 34,882				
2 ENG: 13+ SEATS	365 134,865	14 5,173	16 5,912	34 12,563	47 17,366	90 33,254	66 24,386	30 11,085				

2.10 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS BY NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

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TYPE OF AIRCRAFT	TOTAL NUMBER ACTIVE & HOURS FLOWN	NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOURS RANGE				
		501 - 700 HOURS	701-1000 HOURS	1001-1300 HOURS	1301-1600 HOURS	OVER 1600 HOURS
FIXED WING - PISTON						
1 ENG: 1-3 SEATS	AIRCRAFT HOURS 41,250 4,757,773	1,032 119,031	404 46,597	33 3,806	18 2,076	0 0
1 ENG: 4+ SEATS	AIRCRAFT HOURS 89,436 11,756,231	1,311 172,329	1,181 155,241	358 47,059	286 37,594	143 18,797
1 ENGINE: TOTAL	AIRCRAFT HOURS 130,687 16,514,004	2,343 291,360	1,585 201,838	391 50,865	304 39,670	143 18,797
2 ENG: 1-6 SEATS	AIRCRAFT HOURS 10,922 1,620,280	171 25,368	67 9,939	58 8,604	7 1,038	0 0
2 ENG: 7+ SEATS	AIRCRAFT HOURS 5,465 893,856	123 20,118	9 1,472	0 0	0 0	0 0
2 ENGINE: TOTAL	AIRCRAFT HOURS 16,388 2,514,136	294 45,486	76 11,412	58 8,604	7 1,038	0 0
PISTON: OTHER	AIRCRAFT HOURS 18 893	0 0	0 0	0 0	0 0	0 0
PISTON: TOTAL	AIRCRAFT HOURS 147,093 19,029,032	2,637 336,846	1,661 213,250	449 59,469	311 40,709	143 18,797
FIXED WING - TURBOPROP						
1 ENGINE: TOTAL	AIRCRAFT HOURS 703 244,161	135 46,887	4 1,389	0 0	0 0	0 0
2 ENG: 1-12 SEATS	AIRCRAFT HOURS 3,265 843,628	176 45,476	11 2,842	39 10,077	1 258	0 0
2 ENG: 13+ SEATS	AIRCRAFT HOURS 365 134,865	52 19,214	16 5,912	0 0	0 0	0 0

2.10 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS BY NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

TYPE OF AIRCRAFT	TOTAL NUMBER ACTIVE & HOURS FLOWN	NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE									
		1 - 50 HOURS	51 - 100 HOURS	101 - 150 HOURS	151 - 200 HOURS	201 - 300 HOURS	301 - 400 HOURS	401 - 500 HOURS			
2 ENGINE: TOTAL	3,631 978,493	153 41,088	363 95,572	360 96,796	471 126,921	900 242,546	923 245,823	165 45,967			
TURBOPROP: OTHER	24 3,246	0 0	6 812	2 271	16 2,164	0 0	0 0	0 0			
TURBOPROP: TOTAL	4,359 1,225,900	171 47,340	437 120,000	374 101,235	543 148,535	954 261,301	1,229 352,100	215 63,332			
FIXED WING - TURBOJET											
2 ENGINE: TOTAL	3,672 1,125,817	189 57,946	213 65,305	357 109,454	299 91,672	857 262,752	754 231,173	436 133,675			
TURBOJET: OTHER	186 39,193	35 7,375	11 2,318	11 2,318	7 1,475	92 19,386	10 2,107	20 4,214			
TURBOJET: TOTAL	3,859 1,165,010	224 65,321	224 67,623	368 111,772	306 93,147	949 282,138	764 233,280	456 137,890			
FIXED WING: TOTAL	155,312 21,419,942	47,322 6,009,008	42,256 5,591,187	23,274 3,207,763	10,856 1,574,535	13,505 2,085,428	8,279 1,400,370	3,612 576,688			
ROTORCRAFT											
PISTON: TOTAL	1,645 369,935	477 107,270	205 46,101	139 31,259	107 24,063	274 61,618	114 25,637	180 40,479			
1 ENG: TURBINE	2,144 1,072,444	108 54,022	216 108,045	115 57,524	181 90,537	107 53,522	302 151,063	145 72,530			
MULTI-ENG: TURBINE	719 389,091	81 43,834	21 11,364	12 6,494	81 43,834	104 56,280	79 42,751	45 24,352			
TURBINE: TOTAL	2,864 1,461,535	189 97,856	237 119,409	127 64,018	262 134,371	211 109,802	381 193,814	190 96,882			

2.10 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS BY NUMBER OF AIRCRAFT AND
 TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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TYPE OF AIRCRAFT	TOTAL NUMBER ACTIVE & HOURS FLOWN	NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOURS RANGE					OVER 1600 HOURS
		501 - 700 HOURS	701-1000 HOURS	1001-1300 HOURS	1301-1600 HOURS	OVER 1600 HOURS	
2 ENGINE: TOTAL	AIRCRAFT HOURS 3,631 978,493	228 64,689	27 8,754	39 10,077	1 258	0 0	
TURBOPROP: OTHER	AIRCRAFT HOURS 24 3,246	0 0	0 0	0 0	0 0	0 0	
TURBOPROP: TOTAL	AIRCRAFT HOURS 4,359 1,225,900	363 111,577	31 10,143	39 10,077	1 258	0 0	
FIXED WING - TURBOJET 2 ENGINE: TOTAL	AIRCRAFT HOURS 3,672 1,125,817	514 157,590	53 16,250	0 0	0 0	0 0	
TURBOJET: OTHER	AIRCRAFT HOURS 186 39,193	0 0	0 0	0 0	0 0	0 0	
TURBOJET: TOTAL	AIRCRAFT HOURS 3,859 1,165,010	514 157,590	53 16,250	0 0	0 0	0 0	
FIXED WING: TOTAL	AIRCRAFT HOURS 155,312 21,419,942	3,514 606,012	1,745 239,642	488 69,546	312 40,967	143 18,797	
ROTORCRAFT PISTON: TOTAL	AIRCRAFT HOURS 1,645 369,935	91 20,464	58 13,043	0 0	0 0	0 0	
1 ENG: TURBINE	AIRCRAFT HOURS 2,144 1,072,444	435 217,590	271 135,556	146 73,030	101 50,521	17 8,504	
MULTI-ENG: TURBINE	AIRCRAFT HOURS 719 389,091	139 75,221	73 39,504	55 29,764	6 3,247	23 12,447	
TURBINE: TOTAL	AIRCRAFT HOURS 2,864 1,461,535	574 292,811	344 175,060	201 102,794	107 53,768	40 20,950	
ROTORCRAFT: TOTAL	AIRCRAFT HOURS 4,509 1,831,470	665 313,275	402 188,104	201 102,794	107 53,768	40 20,950	

2.10 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS BY NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

TYPE OF AIRCRAFT	TOTAL NUMBER ACTIVE & HOURS FLOWN	NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE									
		1 - 50 HOURS	51 - 100 HOURS	101 - 150 HOURS	151 - 200 HOURS	201 - 300 HOURS	301 - 400 HOURS	401 - 500 HOURS			
ROTORCRAFT: TOTAL	AIRCRAFT HOURS 4,509 1,831,470	666	442	266	369	485	495	370			
OTHER AIRCRAFT GLIDERS:	AIRCRAFT HOURS 1,645 159,080	791	357	297	59	59	5	2			
LIGHTER-THAN-AIR:	AIRCRAFT HOURS 3,601 216,586	2,903	337	141	172	3	0	0			
EXPERIMENTAL: HOME BUILT:	AIRCRAFT HOURS 6,853 298,307	4,861	1,147	780	61	4	0	0			
EXHIBITION:	AIRCRAFT HOURS 1,621 87,636	1,161	187	158	70	17	0	0			
OTHER:	AIRCRAFT HOURS 2,461 324,496	1,102	468	365	154	65	111	46			
TOTAL	AIRCRAFT HOURS 176,006 2,339,826	60,135	45,777	25,443	11,526	13,535	8,272	3,795			
		8,316,054	6,330,490	3,518,506	1,593,928	1,871,752	1,143,933	524,810			

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

2.10 1993 GENERAL AVIATION POPULATION SIZE, ACTIVE AIRCRAFT, TOTAL FLIGHT HOURS BY NUMBER OF AIRCRAFT AND
 TOTAL HOURS FLOWN IN EACH FLIGHT HOUR RANGE
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 6 OF 6

TYPE OF AIRCRAFT	TOTAL NUMBER ACTIVE & HOURS FLOWN	NUMBER OF AIRCRAFT AND TOTAL HOURS FLOWN IN EACH FLIGHT HOURS RANGE				
		501 - 700 HOURS	701-1000 HOURS	1001-1300 HOURS	1301-1600 HOURS	OVER 1600 HOURS
OTHER AIRCRAFT						
GLIDERS:						
AIRCRAFT	1,645	39	34	2	0	0
HOURS	159,080	3,772	3,288	193	0	0
LIGHTER-THAN-AIR:						
AIRCRAFT	3,601	0	0	0	0	45
HOURS	216,586	0	0	0	0	2,707
EXPERIMENTAL:						
HOME BUILT:						
AIRCRAFT	6,853	0	0	0	0	0
HOURS	298,307	0	0	0	0	0
EXHIBITION:						
AIRCRAFT	1,621	28	0	0	0	0
HOURS	87,636	1,514	0	0	0	0
OTHER:						
AIRCRAFT	2,461	80	50	20	0	0
HOURS	324,496	10,548	6,593	2,637	0	0
TOTAL						
AIRCRAFT	176,006	4,005	2,196	674	421	227
HOURS	24,339,826	553,850	303,684	93,207	58,220	31,392

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

CHAPTER III

PRIMARY AND ACTUAL USE

3.1 1993 GENERAL AVIATION NUMBER OF AIRCRAFT BY PRIMARY USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRIMARY USE											TOTAL INACTIVE				
	TOTAL ACTIVE	CORP- ORATE	BUSI- NESS	PER- SONAL	INSTRUC- TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI		OTHER			
FIXED WING - PISTON																
FIXED WING - 1-3 SEATS																
EST. NO. ACTIVE	41,251	130	2,210	27,180	6,014	3,784	869	112	0	439	2	513				27,562
% STD. ERROR	1.8	49.8	12.1	1.8	6.7	3.6	19.4	41.4	0.0	20.5	*	22.1				
EST. % ACTIVE	59.9															
1 ENG: 4+ SEATS																
EST. NO. ACTIVE	89,437	1,103	19,200	58,429	6,244	57	1,842	155	0	272	771	1,364				20,169
% STD. ERROR	0.9	17.9	3.8	1.5	7.7	83.3	14.7	49.5	0.0	37.1	20.7	16.3				
EST. % ACTIVE	81.6															
1 ENGINE: TOTAL																
EST. NO. ACTIVE	130,687	1,232	21,410	85,609	12,258	3,840	2,711	267	0	711	772	1,877				47,732
% STD. ERROR	0.8	16.9	3.6	1.2	5.1	3.8	11.7	33.5	0.0	19.0	20.7	13.3				
EST. % ACTIVE	73.2															
2 ENG: 1-6 SEATS																
EST. NO. ACTIVE	10,922	1,184	3,740	4,138	964	138	206	0	0	18	381	154				4,265
% STD. ERROR	2.9	13.4	7.1	6.5	14.4	39.0	38.4	0.0	0.0	67.2	27.4	43.1				
EST. % ACTIVE	71.9															
2 ENG: 7+ SEATS																
EST. NO. ACTIVE	5,466	1,127	1,806	632	97	77	212	24	0	35	1,287	169				1,115
% STD. ERROR	2.3	14.2	11.0	21.8	61.5	56.5	28.6	61.7	0.0	65.3	13.1	41.0				
EST. % ACTIVE	83.1															
2 ENGINE: TOTAL																
EST. NO. ACTIVE	16,388	2,311	5,546	4,770	1,062	215	418	24	0	53	1,667	322				5,380
% STD. ERROR	2.1	9.7	6.0	6.4	14.2	32.2	23.8	61.7	0.0	48.8	11.9	29.7				
EST. % ACTIVE	75.3															

3.1 1993 GENERAL AVIATION NUMBER OF AIRCRAFT BY PRIMARY USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 5

AIRCRAFT TYPE	PRIMARY USE											TOTAL INACTIVE	
	TOTAL ACTIVE	CORP- ORATE	BUSI- NESS	PER- SONAL	INSTRUC- TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI		OTHER
PISTON: OTHER													
EST. NO. ACTIVE	18	0	2	0	0	7	0	4	0	0	0	5	77
% STD. ERROR	40.7	0.0	85.1	0.0	0.0	44.1	0.0	61.0	0.0	0.0	0.0	55.3	
EST. % ACTIVE	19.4												
PISTON: TOTAL													
EST. NO. ACTIVE	147,094	3,543	26,959	90,379	13,320	4,062	3,129	295	0	764	2,440	2,204	53,188
% STD. ERROR	0.8	8.7	3.1	1.1	4.8	3.9	10.7	30.8	0.0	18.0	10.4	12.1	
EST. % ACTIVE	73.4												
FIXED WING - TURBOPROP													
1 ENGINE: TOTAL													
EST. NO. ACTIVE	703	9	43	35	36	286	0	0	0	4	276	13	104
% STD. ERROR	6.8	*	47.1	53.0	43.4	5.3	0.0	0.0	0.0	*	8.3	89.9	
EST. % ACTIVE	87.1												
2 ENG: 1-12 SEATS													
EST. NO. ACTIVE	3,266	2,439	331	206	5	0	2	0	0	0	192	90	820
% STD. ERROR	3.8	4.5	21.3	34.2	*	0.0	*	0.0	0.0	0.0	27.1	48.3	
EST. % ACTIVE	79.9												
2 ENG: 13+ SEATS													
EST. NO. ACTIVE	366	231	3	0	1	2	4	11	0	8	49	58	502
% STD. ERROR	15.3	8.2	*	0.0	*	*	54.6	43.3	0.0	55.1	31.2	20.7	
EST. % ACTIVE	42.2												
2 ENGINE: TOTAL													
EST. NO. ACTIVE	3,632	2,671	334	206	6	2	6	11	0	8	241	148	1,322
% STD. ERROR	3.8	4.2	21.1	34.2	*	*	75.3	43.3	0.0	55.1	22.5	30.5	
EST. % ACTIVE	73.3												

3.1 1993 GENERAL AVIATION NUMBER OF AIRCRAFT BY PRIMARY USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRIMARY USE											TOTAL INACTIVE				
	TOTAL ACTIVE	CORP- ORATE	BUSI- NESS	PER- SONAL	INSTRUC- TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI		OTHER			
TURBOPROP: OTHER																
EST. NO. ACTIVE	24	0	0	0	0	21	0	0	0	0	0	0	0	0	3	47
% STD. ERROR	41.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.7	
EST. % ACTIVE	34.1															
TURBOPROP: TOTAL																
EST. NO. ACTIVE	4,359	2,680	377	241	42	308	6	11	0	12	517	165			1,473	
% STD. ERROR	3.3	4.2	19.5	30.2	44.6	5.1	75.3	43.3	0.0	#	11.4	28.4				
EST. % ACTIVE	74.7															
FIXED WING - TURBOJET																
2 ENGINE: TOTAL																
EST. NO. ACTIVE	3,673	3,171	94	30	11	0	2	0	0	0	267	98			599	
% STD. ERROR	2.9	2.4	39.2	58.8	81.6	0.0	#	0.0	0.0	0.0	21.3	40.4				
EST. % ACTIVE	86.0															
TURBOJET: OTHER																
EST. NO. ACTIVE	186	154	3	7	0	0	0	0	0	0	2	21			248	
% STD. ERROR	11.8	2.3	51.6	44.5	0.0	0.0	0.0	0.0	0.0	0.0	#	11.3				
EST. % ACTIVE	42.9															
TURBOJET: TOTAL																
EST. NO. ACTIVE	3,859	3,324	97	37	11	0	2	0	0	0	269	119			847	
% STD. ERROR	2.8	2.3	38.1	48.0	81.6	0.0	#	0.0	0.0	0.0	21.2	33.3				
EST. % ACTIVE	82.0															
FIXED WING: TOTAL																
EST. NO. ACTIVE	155,312	9,547	27,433	90,657	13,373	4,371	3,137	306	0	775	3,226	2,487			55,508	
% STD. ERROR	0.7	3.5	3.1	1.1	4.8	3.7	10.6	29.7	0.0	17.9	8.3	11.0				
EST. % ACTIVE	73.7															

3.1 1993 GENERAL AVIATION NUMBER OF AIRCRAFT BY PRIMARY USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRIMARY USE											TOTAL INACTIVE	
	TOTAL ACTIVE	CORP- ORATE	BUSI- NESS	PER- SONAL	INSTRUC- TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI		OTHER
ROTORCRAFT													
PISTON: TOTAL													
EST. NO. ACTIVE	1,646	16	164	383	376	264	306	75	11	4	5	43	2,628
% STD. ERROR	6.3	58.9	21.7	12.9	11.6	16.6	15.8	37.5	40.4	*	*	32.7	
EST. % ACTIVE	38.5												
1 ENG: TURBINE													
EST. NO. ACTIVE	2,144	366	128	97	51	181	656	183	99	5	218	162	896
% STD. ERROR	5.0	23.1	40.1	36.5	64.7	26.1	15.5	33.7	40.1	*	32.1	36.2	
EST. % ACTIVE	70.5												
MULTI-ENGL TURBINE													
EST. NO. ACTIVE	720	151	1	5	0	31	64	0	16	9	325	118	186
% STD. ERROR	5.3	23.6	*	*	0.0	37.5	39.9	0.0	31.6	*	11.8	22.2	
EST. % ACTIVE	79.5												
TURBINE: TOTAL													
EST. NO. ACTIVE	2,864	517	130	102	51	212	719	183	115	14	543	280	1,082
% STD. ERROR	4.0	17.8	39.8	35.3	64.7	22.9	14.6	33.7	34.8	*	14.7	22.9	
EST. % ACTIVE	72.6												
ROTORCRAFT: TOTAL													
EST. NO. ACTIVE	4,510	533	294	484	427	476	1,025	257	126	18	548	322	3,710
% STD. ERROR	3.4	17.3	21.3	12.6	12.8	13.8	11.3	26.3	31.9	92.3	14.6	20.4	
EST. % ACTIVE	54.9												
OTHER AIRCRAFT													
GLIDERS:													
EST. NO. ACTIVE	1,645	1	13	1,372	171	0	0	53	0	2	0	33	1,115
% STD. ERROR	6.9	*	*	4.5	29.4	0.0	0.0	54.7	0.0	*	0.0	70.3	
EST. % ACTIVE	59.6												

3.1 1993 GENERAL AVIATION NUMBER OF AIRCRAFT BY PRIMARY USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRIMARY USE											TOTAL INACTIVE	
	TOTAL ACTIVE	CORP- ORATE	BUSI- NESS	PER- SONAL	INSTRUC- TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI		OTHER
LIGHTER-THAN-AIR:													
EST. NO. ACTIVE	3,602	1	54	2,560	60	0	27	701	0	95	0	104	1,895
% STD. ERROR	5.7	*	78.7	6.2	75.1	0.0	*	19.8	0.0	59.3	0.0	0.0	56.5
EST. % ACTIVE	65.5												
EXPERIMENTAL: HOME BUILT:													
EST. NO. ACTIVE	6,854	0	346	5,986	52	0	2	0	0	18	0	450	5,829
% STD. ERROR	5.9	0.0	36.7	3.2	96.3	0.0	*	0.0	0.0	*	0.0	31.9	
EST. % ACTIVE	54.0												
EXHIBITION:													
EST. NO. ACTIVE	1,622	0	9	1,308	24	1	2	1	0	9	0	269	995
% STD. ERROR	7.4	0.0	*	5.7	94.4	*	*	*	0.0	*	0.0	26.0	
EST. % ACTIVE	62.0												
OTHER:													
EST. NO. ACTIVE	2,462	196	341	1,290	37	65	194	7	0	92	0	240	912
% STD. ERROR	5.0	34.1	25.0	9.6	81.4	60.7	34.3	*	0.0	51.1	0.0	30.5	
EST. % ACTIVE	73.0												
TOTAL	176,006	10,279	28,489	103,657	14,143	4,913	4,386	1,325	126	1,008	3,773	3,906	69,965
% STD. ERROR	0.7	3.4	3.0	1.0	4.6	3.6	8.2	13.8	31.9	16.0	7.4	8.7	
EST. % ACTIVE	71.6												

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
AN ASTERISK (*) IN A PERCENT STANDARD ERROR ROW INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

3.2 1993 GENERAL AVIATION TOTAL HOURS FLOWN BY ACTUAL USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ACTUAL USE											TOTAL					
	CORP-ORATE	BUSI-NESS	PER-SONAL	INSTRUC-TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER						
FIXED WING - PISTON																	
FIXED WING - 1-3 SEATS																	
EST. TOT. HOURS	60,278	173,663	1,546,275	1,749,277	889,003	199,105	6,390	0	82,200	107	32,379	4,757,842					
% STD. ERROR	52.2	14.8	3.5	8.5	5.8	25.3	89.5	0.0	22.8	*	31.2	4.1					
1 ENG: 4+ SEATS																	
EST. TOT. HOURS	202,346	2,366,110	5,363,520	2,129,295	17,003	702,307	55,192	0	50,620	377,262	233,553	11,756,339					
% STD. ERROR	21.5	4.8	2.4	10.8	*	26.1	57.4	0.0	37.7	24.2	19.7	2.9					
1 ENGINE: TOTAL																	
EST. TOT. HOURS	262,623	2,539,773	6,909,795	3,878,573	906,005	901,412	61,581	0	132,820	377,368	265,931	16,514,182					
% STD. ERROR	19.6	4.6	2.0	7.0	6.0	21.0	50.2	0.0	20.2	24.1	17.0	2.4					
2 ENG: 1-6 SEATS																	
EST. TOT. HOURS	232,741	491,216	440,123	272,640	18,758	51,702	0	0	2,780	133,537	5,234	1,620,288					
% STD. ERROR	16.1	8.6	8.8	14.9	37.5	40.0	0.0	0.0	*	29.9	71.5	5.0					
2 ENG: 7+ SEATS																	
EST. TOT. HOURS	213,418	208,510	48,299	13,087	4,187	43,941	6,806	0	8,437	349,736	17,994	894,017					
% STD. ERROR	17.9	13.1	26.3	72.4	68.2	36.1	71.7	0.0	79.3	14.9	51.2	6.2					
2 ENGINE: TOTAL																	
EST. TOT. HOURS	446,159	699,726	488,421	285,728	22,945	95,642	6,806	0	11,217	483,273	23,229	2,514,305					
% STD. ERROR	12.0	7.2	8.5	14.8	28.4	26.9	63.2	0.0	60.0	13.7	39.6	3.9					
PISTON: OTHER																	
EST. TOT. HOURS	0	59	0	0	404	0	282	0	0	0	168	914					
% STD. ERROR	0.0	85.1	0.0	0.0	44.2	0.0	62.6	0.0	0.0	0.0	65.4	42.8					
PISTON: TOTAL																	
EST. TOT. HOURS	708,782	3,239,557	7,398,215	4,164,300	929,355	997,054	68,670	0	144,037	860,641	289,328	19,029,404					
% STD. ERROR	10.4	4.0	1.9	6.7	5.9	19.3	46.2	0.0	19.4	12.7	15.9	2.1					

3.2 1993 GENERAL AVIATION TOTAL HOURS FLOWN BY ACTUAL USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 4

AIRCRAFT TYPE	ACTUAL USE											TOTAL
	CORP-ORATE	BUSI-NESS	PER-SONAL	INSTRUC-TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER	
FIXED WING - TURBOPROP												
1 ENGINE: TOTAL												
EST. TOT. HOURS	1,984	6,024	3,815	7,958	106,399	0	0	0	1,137	120,185	2,756	244,210
% STD. ERROR	*	49.8	55.5	85.8	11.1	0.0	0.0	0.0	*	15.1	58.3	11.3
2 ENG: 1-12 SEATS												
EST. TOT. HOURS	670,680	47,308	29,112	2,048	0	452	0	0	0	56,608	46,717	843,801
% STD. ERROR	6.5	29.1	42.7	*	0.0	*	0.0	0.0	0.0	28.7	53.2	6.7
2 ENG: 13+ SEATS												
EST. TOT. HOURS	77,949	461	0	57	153	603	7,959	0	1,663	23,296	23,200	135,219
% STD. ERROR	10.0	*	0.0	*	92.0	58.0	51.2	0.0	50.8	31.9	17.1	20.6
2 ENGINE: TOTAL												
EST. TOT. HOURS	748,629	47,768	29,112	2,105	153	1,055	7,959	0	1,663	79,904	69,917	979,020
% STD. ERROR	6.0	28.9	42.7	*	92.0	86.5	51.2	0.0	50.8	23.5	31.5	6.4
TURBOPROP: OTHER												
EST. TOT. HOURS	0	0	0	0	3,073	0	0	0	0	0	190	3,279
% STD. ERROR	0.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0	0.0	96.7	42.6
TURBOPROP: TOTAL												
EST. TOT. HOURS	750,613	53,792	32,927	10,063	109,625	1,055	7,959	0	2,800	200,089	72,864	1,226,508
% STD. ERROR	6.0	26.0	37.9	77.9	11.1	86.5	51.2	0.0	*	14.0	26.5	5.6
FIXED WING - TURBOJET												
2 ENGINE: TOTAL												
EST. TOT. HOURS	970,434	13,547	8,343	3,448	0	75	0	0	0	107,083	24,970	1,126,047
% STD. ERROR	4.3	52.1	54.3	83.1	0.0	*	0.0	0.0	0.0	23.4	44.9	4.8
TURBOJET: OTHER												
EST. TOT. HOURS	37,045	87	208	0	0	0	0	0	0	408	1,610	39,272
% STD. ERROR	8.6	59.6	*	0.0	0.0	0.0	0.0	0.0	0.0	*	30.8	15.5

3.2 1993 GENERAL AVIATION TOTAL HOURS FLOWN BY ACTUAL USE
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

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AIRCRAFT TYPE	ACTUAL USE											TOTAL
	CORP-ORATE	BUSI-NESS	PER-SONAL	INSTRUC-TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER	
TURBOJET: TOTAL												
EST. TOT. HOURS	1,007,478	13,634	8,551	3,448	0	75	0	0	0	107,491	26,580	1,165,319
% STD. ERROR	4.1	50.8	48.8	83.1	0.0	*	0.0	0.0	0.0	23.3	38.8	4.7
FIXED WING: TOTAL												
EST. TOT. HOURS	2,466,874	3,306,984	7,439,694	4,177,810	1,038,979	998,185	76,629	0	146,837	1,168,221	388,772	21,421,226
% STD. ERROR	4.2	3.9	1.9	6.6	5.5	19.3	42.0	0.0	19.1	10.1	13.2	1.9
ROTORCRAFT												
PISTON: TOTAL												
EST. TOT. HOURS	1,544	11,977	28,097	147,488	55,227	109,008	16,929	1,050	519	917	3,508	370,099
% STD. ERROR	68.1	23.0	18.9	12.5	18.7	19.5	43.5	58.0	*	*	31.8	8.7
1 ENG: TURBINE												
EST. TOT. HOURS	131,973	36,281	9,189	35,097	53,384	448,818	130,491	61,665	29	113,425	63,087	1,072,604
% STD. ERROR	27.4	59.7	44.6	71.5	32.1	19.4	38.5	48.9	*	37.4	55.4	9.5
MULTI-ENGL TURBINE												
EST. TOT. HOURS	68,907	259	991	0	6,492	27,541	0	30,903	3,289	168,169	82,640	389,602
% STD. ERROR	23.9	*	*	0.0	43.1	40.5	0.0	29.9	*	15.1	20.2	10.8
TURBINE: TOTAL												
EST. TOT. HOURS	200,880	36,541	10,180	35,097	59,876	476,359	130,491	92,568	3,318	281,595	145,727	1,462,206
% STD. ERROR	20.5	59.3	43.5	70.7	29.6	18.8	38.5	38.9	*	18.1	28.8	7.6
ROTORCRAFT: TOTAL												
EST. TOT. HOURS	202,424	48,518	38,277	182,585	115,102	585,367	147,420	93,619	3,837	282,511	149,235	1,832,306
% STD. ERROR	20.1	41.1	17.3	15.1	16.9	14.9	30.5	37.1	*	17.9	26.3	6.3
OTHER AIRCRAFT												
GLIDERS:												
EST. TOT. HOURS	69	395	83,352	49,647	0	0	18,648	0	213	0	3,593	159,092
% STD. ERROR	*	*	10.9	35.2	0.0	0.0	69.6	0.0	*	0.0	72.1	17.1

3.2 1993 GENERAL AVIATION TOTAL HOURS FLOWN BY ACTUAL USE
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	ACTUAL USE											TOTAL
	CORPORATE	BUSINESS	PERSONAL	INSTRUCTIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEE	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER	
LIGHTER-THAN-AIR:												
EST. TOT. HOURS	10	885	69,785	1,834	0	6,872	112,126	0	11,626	0	5,312	216,633
% STD. ERROR	*	92.7	9.0	91.9	0.0	*	52.4	0.0	66.2	0.0	70.7	30.2
EXPERIMENTAL:												
HOME BUILT:												
EST. TOT. HOURS	0	20,567	262,722	3,575	0	72	0	0	124	0	12,359	298,339
% STD. ERROR	0.0	44.6	7.7	*	0.0	*	0.0	0.0	*	0.0	36.1	9.0
EXHIBITION:												
EST. TOT. HOURS	0	524	76,765	824	159	111	26	0	991	0	8,863	87,679
% STD. ERROR	0.0	*	18.9	*	*	*	*	0.0	*	0.0	37.9	18.2
OTHER:												
EST. TOT. HOURS	78,963	34,378	71,700	3,799	7,061	59,749	3,362	0	9,530	0	57,397	324,608
% STD. ERROR	45.1	30.5	13.4	*	64.6	43.6	*	0.0	69.3	0.0	43.0	15.0
TOTAL												
EST. TOT. HOURS	2,748,339	3,412,250	8,042,293	4,420,073	1,161,301	1,650,355	358,210	93,619	173,159	1,450,733	625,532	24,339,884
% STD. ERROR	4.3	3.9	1.8	6.3	5.2	13.2	22.4	36.8	17.2	8.9	10.2	1.8

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ROW SUMMATIONS MAY DIFFER FROM PRINTED TOTALS BECAUSE SOME ACTIVE AIRCRAFT DID NOT REPORT USE.

3.3 1993 GENERAL AVIATION NAUTICAL MILES FLOWN BY ACTUAL USE BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	NAUTICAL MILES (IN THOUSANDS)											TOTAL				
	CORPORATE	BUSINESS	PERSONAL	INSTRUMENTAL	AERIAL APPL	AERIAL OBS	SIGHT SEEING	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER					
FIXED WING - PISTON																
FIXED WING - PISTON																
1 ENG: 1-3 SEATS	3,777	14,706	135,015	136,946	83,160	17,292	2,295	0	6,231	64	2,831	402,317				
1 ENG: 4+ SEATS	17,614	274,974	568,328	210,049	2,391	76,410	9,878	0	5,002	32,121	20,188	1,216,956				
1 ENGINE: TOTAL	21,391	289,680	703,343	346,995	85,551	93,702	12,173	0	11,232	32,185	23,019	1,619,272				
2 ENG: 1-6 SEATS	27,589	69,175	69,634	26,500	2,597	8,081	116	0	1,012	15,914	1,045	221,662				
2 ENG: 7+ SEATS	28,761	28,948	9,587	1,520	1,013	6,740	586	0	1,128	38,223	2,270	118,776				
2 ENGINE: TOTAL	56,350	98,123	79,221	28,020	3,610	14,821	702	0	2,140	54,137	3,315	340,438				
PISTON: OTHER	0	13	0	0	95	0	54	0	12	0	30	203				
PISTON: TOTAL	77,742	387,816	782,564	375,015	89,256	108,522	12,929	0	13,384	86,322	26,364	1,959,913				
FIXED WING - TURBOPROP																
FIXED WING - TURBOPROP																
1 ENGINE: TOTAL	332	1,069	755	1,155	13,803	0	0	0	159	11,893	426	29,592				
2 ENG: 1-12 SEATS	113,222	10,602	7,846	973	0	529	0	0	0	7,907	6,496	147,575				
2 ENG: 13+ SEATS	9,754	115	32	24	9	55	243	0	99	2,253	3,457	16,040				
2 ENGINE: TOTAL	122,977	10,717	7,878	997	9	584	243	0	99	10,160	9,953	163,615				
TURBOPROP: OTHER	0	0	0	35	1,178	0	0	0	0	0	46	1,259				
TURBOPROP: TOTAL	123,309	11,786	8,633	2,186	14,990	584	243	0	258	22,053	10,425	194,466				
FIXED WING - TURBOJET																
FIXED WING - TURBOJET																
2 ENGINE: TOTAL	371,441	6,462	5,515	1,036	0	0	0	0	0	49,223	11,634	445,310				
TURBOJET: OTHER	16,621	7	239	0	0	0	0	0	0	106	124	17,098				
TURBOJET: TOTAL	388,063	6,469	5,754	1,036	0	0	0	0	0	49,329	11,758	462,408				

3.3 1993 GENERAL AVIATION NAUTICAL MILES FLOWN BY ACTUAL USE BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	NAUTICAL MILES (IN THOUSANDS)											TOTAL
	CORP-ORATE	BUSI-NESS	PER-SONAL	INSTRUC-TIONAL	AERIAL APPL	AERIAL OBS	SIGHT SEEING	EXTERNAL LOAD	OTHER WORK	AIR TAXI	OTHER	
FIXED WING: TOTAL	589,113	406,070	796,951	378,237	104,246	109,106	13,172	0	13,642	157,704	48,546	2,616,787
ROTORCRAFT												
PISTON: TOTAL	101	746	1,684	7,166	3,564	5,888	919	96	41	116	229	20,551
1 ENG: TURBINE	13,367	4,738	842	3,856	5,455	42,483	11,698	2,592	184	9,765	5,449	100,429
MULTI-ENG: TURBINE	6,614	40	177	258	369	1,915	2	1,813	102	12,929	5,939	30,159
TURBINE: TOTAL	19,981	4,778	1,019	4,114	5,824	44,398	11,699	4,405	286	22,695	11,389	130,588
ROTORCRAFT: TOTAL	20,082	5,524	2,703	11,279	9,389	50,286	12,618	4,501	327	22,811	11,618	151,139
OTHER AIRCRAFT												
GLIDERS:	4	17	4,105	1,561	0	0	0	0	0	0	55	5,741
LIGHTER-THAN-AIR:	0	17	1,315	60	0	0	0	0	0	0	78	1,469
EXPERIMENTAL:												
HOME BUILT:	0	1,501	19,093	264	0	20	1	0	8	0	905	21,792
EXHIBITION:	1	55	9,361	58	18	9	5	0	117	0	1,030	10,654
OTHER:	3,323	2,120	4,474	621	418	3,616	304	63	548	0	3,181	18,667
TOTAL	612,523	415,304	838,001	392,079	114,070	163,038	26,101	4,564	14,642	180,514	65,413	2,826,252

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

CHAPTER IV

FLYING CONDITIONS

4.1 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	DAY TOTAL			NIGHT TOTAL			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	HOURS FLOWN	PERCENT STANDARD ERROR
FIXED WING							
FIXED WING - PISTON							
1 ENG: 1-3 SEATS	35,383	0.9	4,577,878	3.4	2,886	446,560	13.0
1 ENG: 4+ SEATS	92,261	0.9	9,893,388	2.7	32,344	2,554,391	3.7
1 ENGINE: TOTAL	127,643	0.7	14,471,272	2.2	35,230	3,000,951	3.7
2 ENG: 1-6 SEATS	10,803	2.7	1,017,121	3.6	5,584	580,327	5.9
2 ENG: 7+ SEATS	4,372	4.3	445,382	6.0	2,280	345,120	7.9
2 ENGINE: TOTAL	15,175	2.3	1,462,503	3.1	7,864	925,447	4.8
PISTON: OTHER	12	9.1	627	20.8	2	155	41.1
PISTON: TOTAL	142,830	0.7	15,934,397	2.0	43,097	3,926,554	3.0
FIXED WING - TURBOPROP							
1 ENGINE: TOTAL	317	12.5	89,779	13.8	173	64,565	29.5
2 ENG: 1-12 SEATS	2,004	5.5	262,052	9.4	1,417	402,642	7.8
2 ENG: 13+ SEATS	122	7.8	28,122	12.8	71	29,871	11.2
2 ENGINE: TOTAL	2,127	5.2	290,174	8.6	1,488	432,512	7.3
TURBOPROP: OTHER	8	17.3	873	18.5	4	91	35.1
TURBOPROP: TOTAL	2,452	4.8	380,826	7.3	1,664	497,168	7.4

4.1 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 2

AIRCRAFT TYPE	DAY TOTAL			NIGHT TOTAL			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	HOURS FLOWN	PERCENT STANDARD ERROR
FIXED WING - TURBOJET 2 ENGINE: TOTAL	1,127	6.5	271,601	9.5	1,496	591,640	5.6
TURBOJET: OTHER	57	11.0	12,919	23.6	39	14,921	18.1
TURBOJET: TOTAL	1,184	6.2	284,520	9.1	1,536	606,561	5.5
FIXED WING: TOTAL	146,466	0.7	16,599,746	1.9	46,297	5,030,283	2.6
ROTORCRAFT PISTON: TOTAL	1,158	2.2	282,365	4.9	83	31,944	24.0
1 ENG: TURBINE	1,538	4.8	849,905	7.6	295	168,556	27.7
MULTI-ENG: TURBINE	355	6.0	134,408	10.0	121	41,427	21.6
TURBINE: TOTAL	1,893	4.0	984,314	6.7	416	209,983	22.6
ROTORCRAFT: TOTAL	3,050	2.6	1,266,679	5.3	499	241,927	19.9
OTHER AIRCRAFT GLIDERS:	2,033	1.2	239,729	15.6	108	8,015	101.4
LIGHTER-THAN-AIR:	3,147	1.3	200,375	10.9	50	10,891	87.4
EXPERIMENTAL: HOME BUILT:	5,340	1.1	275,558	4.9	122	5,834	49.7
EXHIBITION:	2,443	0.8	144,397	7.5	42	2,469	41.2
OTHER:	2,173	4.6	251,120	9.6	521	62,853	20.7
TOTAL	164,651	0.6	18,977,610	1.7	47,639	5,362,270	2.6

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

4.2 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER VMC CONDITIONS
 BY DAY/NIGHT BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	VMC DAY			VMC NIGHT			VMC TOTAL		
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN
FIXED WING									
FIXED WING - PISTON									
1 ENG: 1-3 SEATS	34,727	0.8	4,552,627	1,988	13.8	413,902	36,715	0.2	4,966,529
1 ENG: 4+ SEATS	77,166	0.8	9,162,324	10,379	6.1	1,322,720	87,545	0.5	10,485,044
1 ENGINE: TOTAL	111,893	0.6	13,714,958	12,367	5.6	1,736,622	124,260	0.4	15,451,580
2 ENG: 1-6 SEATS	8,149	2.9	799,883	1,924	11.8	223,691	10,073	1.9	1,023,574
2 ENG: 7+ SEATS	3,272	4.7	301,967	977	16.0	132,455	4,248	2.3	434,422
2 ENGINE: TOTAL	11,421	2.4	1,101,850	2,900	9.5	356,146	14,321	1.5	1,457,995
PISTON: OTHER	12	8.5	593	0	157.7	6	12	5.1	600
PISTON: TOTAL	123,325	0.6	14,817,394	15,268	4.9	2,092,774	138,593	0.4	16,910,168
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL	296	12.4	83,437	134	31.6	53,114	430	6.2	136,551
2 ENG: 1-12 SEATS	1,438	5.9	113,671	406	20.8	71,041	1,844	3.8	184,712
2 ENG: 13+ SEATS	95	8.4	16,356	15	33.6	5,059	110	7.4	21,414
2 ENGINE: TOTAL	1,533	5.6	130,026	421	20.1	76,100	1,954	3.6	206,126
TURBOPROP: OTHER	7	11.1	828	0	138.5	6	7	9.5	834
TURBOPROP: TOTAL	1,836	5.1	214,292	555	17.0	129,219	2,391	3.2	343,511
									8.8

4.2 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER VMC CONDITIONS
 BY DAY/NIGHT BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	VMC DAY			VMC NIGHT			VMC TOTAL		
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN
FIXED WING - TURBOJET									
2 ENGINE: TOTAL	660	7.4	102,870	315	17.5	116,446	974	6.5	219,316
TURBOJET: OTHER	37	10.7	3,810	8	46.6	3,031	45	11.3	6,841
TURBOJET: TOTAL	697	7.0	106,680	323	17.1	119,476	1,020	6.3	226,157
FIXED WING: TOTAL	125,858	0.6	15,138,367	16,145	4.7	2,341,470	142,003	0.4	17,479,837
ROTORCRAFT									
PISTON: TOTAL	1,158	2.2	282,365	82	30.7	31,742	1,240	0.2	314,107
1 ENG: TURBINE	1,511	4.4	848,966	225	29.5	164,025	1,735	0.1	1,012,991
MULTI-ENG: TURBINE	277	8.7	131,503	84	25.4	38,888	361	4.1	170,391
TURBINE: TOTAL	1,788	3.9	980,469	309	22.6	202,913	2,097	0.7	1,183,382
ROTORCRAFT: TOTAL	2,946	2.5	1,262,834	391	18.9	234,655	3,337	0.5	1,497,489
OTHER AIRCRAFT									
GLIDERS:	2,026	0.7	239,306	8	188.2	4,756	2,034	0.5	244,061
LIGHTER-THAN-AIR:	3,096	1.4	199,664	50	83.5	10,891	3,146	0.0	210,555
EXPERIMENTAL:									
HOME BUILT:	5,299	0.9	275,000	56	87.7	3,471	5,355	0.0	278,471
EXHIBITION:	2,419	0.7	143,792	8	199.1	378	2,426	0.2	144,170
OTHER:	1,949	3.9	234,976	217	35.4	31,893	2,166	2.6	266,868
TOTAL	143,592	0.5	17,493,946	16,875	4.5	2,627,511	160,467	0.3	20,121,457

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

4.3 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
 BY DAY/NIGHT BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	IMC DAY			IMC NIGHT			IMC TOTAL		
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN
FIXED WING									
FIXED WING - PISTON									
1 ENG: 1-3 SEATS	656	17.5	25,250	898	13.5	32,658	1,554	7.0	57,908
1 ENG: 4+ SEATS	15,094	4.3	731,065	21,965	3.0	1,231,672	37,059	1.0	1,962,737
1 ENGINE: TOTAL	15,750	4.2	756,315	22,863	3.0	1,264,330	38,613	1.0	2,020,645
2 ENG: 1-6 SEATS	2,654	8.4	217,238	3,660	6.5	356,636	6,314	3.0	573,873
2 ENG: 7+ SEATS	1,101	11.2	143,415	1,304	10.0	212,665	2,404	5.5	356,081
2 ENGINE: TOTAL	3,754	6.8	360,653	4,964	5.5	569,301	8,719	2.6	929,954
PISTON: OTHER	0	*	34	2	44.3	149	3	40.2	183
PISTON: TOTAL	19,505	3.6	1,117,002	27,830	2.6	1,833,780	47,335	0.9	2,950,782
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL	21	80.3	6,342	38	55.8	11,451	59	41.7	17,793
2 ENG: 1-12 SEATS	567	14.0	148,381	1,011	9.0	331,600	1,578	5.4	479,981
2 ENG: 13+ SEATS	27	21.7	11,767	56	13.6	24,812	83	9.4	36,579
2 ENGINE: TOTAL	594	13.4	160,148	1,067	8.6	356,413	1,661	5.2	516,560
TURBOPROP: OTHER	1	76.7	45	4	36.8	85	5	24.7	130
TURBOPROP: TOTAL	616	13.2	166,535	1,110	8.5	367,948	1,726	5.2	534,483

4.3 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
 BY DAY/NIGHT BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	IMC DAY			IMC NIGHT			IMC TOTAL		
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN
FIXED WING - TURBOJET									
2 ENGINE: TOTAL	467	13.0	168,730	1,182	6.8	475,194	1,649	4.6	643,924
TURBOJET: OTHER	19	27.9	9,109	31	20.5	11,891	51	13.6	20,999
TURBOJET: TOTAL	487	12.5	177,839	1,213	6.7	487,084	1,700	4.5	664,924
FIXED WING: TOTAL	20,608	3.5	1,461,377	30,152	2.5	2,688,812	50,760	0.9	4,150,189
ROTORCRAFT									
PISTON: TOTAL	0	*	0	0	*	203	0	*	203
1 ENG: TURBINE	27	*	939	70	34.9	4,531	97	0.5	5,470
MULTI-ENG: TURBINE	77	19.7	2,906	37	35.6	2,539	115	9.0	5,445
TURBINE: TOTAL	104	33.4	3,845	107	25.8	7,070	212	0.2	10,915
ROTORCRAFT: TOTAL	104	33.4	3,845	108	25.7	7,272	212	0.2	11,117
OTHER AIRCRAFT									
GLIDERS:	7	*	423	100	21.4	3,259	107	9.8	3,683
LIGHTER-THAN-AIR:	51	1.0	710	0	*	0	51	1.0	710
EXPERIMENTAL:	41	67.2	559	66	42.0	2,363	107	0.5	2,922
HOME BUILT:	24	48.3	605	35	34.0	2,091	59	8.4	2,696
EXHIBITION:	224	32.9	16,144	304	25.3	30,960	528	10.5	47,104
OTHER:									
TOTAL	21,059	3.4	1,483,664	30,764	2.4	2,734,758	51,823	0.9	4,218,422

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

4.4 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 1

REGION	DAY TOTAL				NIGHT TOTAL			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
ALASKAN	4,623	1.3	559,478	9.8	335	14.8	28,852	21.3
CENTRAL	9,126	2.6	1,022,312	9.7	2,787	9.4	375,845	10.5
EASTERN	20,526	1.8	1,950,858	4.8	6,114	6.7	573,735	7.0
GREAT LAKES	30,497	1.4	2,700,059	3.8	8,627	5.5	1,038,128	5.9
NEW ENGLAND	7,231	3.4	737,799	5.5	1,891	12.3	204,857	13.8
NORTHWEST MT.	17,350	1.8	2,184,603	5.5	3,903	8.3	371,856	8.1
SOUTHERN	26,513	1.6	3,313,326	4.7	9,405	5.2	1,210,551	5.8
SOUTHWESTERN	21,332	1.7	2,799,601	6.0	5,829	6.6	621,418	7.8
WESTERN-PACIFIC	27,464	1.5	3,710,540	5.0	8,746	5.4	936,071	6.8
TOTAL	164,662	0.6	18,978,568	1.9	47,635	2.3	5,361,311	2.6

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

4.5 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER VMC CONDITIONS
 BY DAY/NIGHT BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

REGION	VMC DAY			VMC NIGHT			VMC TOTAL		
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN
ALASKAN	4,575	1.1	556,992	274	5.5	25,628	4,849	1.1	582,620
CENTRAL	8,080	1.5	940,386	1,154	8.7	187,585	9,234	1.7	1,127,971
EASTERN	17,698	1.1	1,757,372	2,020	6.7	257,440	19,718	1.2	2,014,813
GREAT LAKES	26,613	0.8	2,394,131	2,949	6.2	448,285	29,562	1.0	2,842,416
NEW ENGLAND	6,155	2.1	680,506	693	11.5	104,803	6,848	2.2	785,309
NORTHWEST MT.	15,517	1.0	2,047,365	1,401	8.1	195,713	16,917	1.2	2,243,078
SOUTHERN	22,585	1.0	2,975,683	3,186	5.9	558,412	25,770	1.1	3,534,097
SOUTHWESTERN	18,569	0.9	2,580,535	2,130	6.4	279,892	20,699	1.1	2,860,429
WESTERN-PACIFIC	23,814	0.9	3,563,007	3,068	5.7	569,102	26,882	1.0	4,132,109
TOTAL	143,606	0.4	17,495,950	16,873	2.4	2,626,860	160,479	0.4	20,122,820

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

4.6 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
 BY DAY/NIGHT BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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REGION	IMC DAY			IMC NIGHT			IMC TOTAL		
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN
ALASKAN	47	65.0	2,486	61	76.7	3,224	109	51.6	5,709
CENTRAL	1,045	19.1	81,926	1,633	14.9	188,261	2,678	11.6	270,187
EASTERN	2,828	11.4	193,485	4,094	9.5	316,295	6,922	7.0	509,780
GREAT LAKES	3,884	9.9	305,927	5,678	7.8	589,843	9,562	5.8	895,770
NEW ENGLAND	1,076	19.8	57,293	1,198	18.3	100,054	2,274	13.2	157,347
NORTHWEST MT.	1,833	14.6	137,240	2,503	12.3	176,143	4,336	9.1	313,383
SOUTHERN	3,928	9.5	337,643	6,219	7.5	652,139	10,147	5.6	989,782
SOUTHWESTERN	2,763	11.4	219,067	3,700	9.8	341,526	6,463	7.2	560,592
WESTERN-PACIFIC	3,650	9.9	147,535	5,678	7.8	366,969	9,328	5.9	514,504
TOTAL	21,056	4.2	1,482,600	30,762	3.4	2,734,454	51,818	2.5	4,217,051

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	DAY				NIGHT			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
1ENG PIST(1)	3,316	8.5	253,474	12.2	73	*	4,651	*
1ENG PIST(2)	395	3.9	39,421	12.7	55	81.6	4,425	*
2ENG PIST(3)	218	22.5	30,496	31.5	51	*	6,037	*
2ENG PIST(4)	898	28.2	110,467	30.6	467	47.3	68,977	48.5
PIST OTHR(5)	5	58.4	626	64.1	2	79.2	154	80.2
1ENG TURB(6)	49	49.7	10,163	53.0	27	81.3	10,045	90.9
2ENG TURB(7)	88	25.9	9,810	36.2	55	36.0	11,456	30.4
2ENG TURB(8)	17	34.5	3,863	43.5	11	42.8	5,227	37.7
TURB OTHR(9)	7	55.4	872	43.6	4	71.1	90	96.2
2ENG T JT(10)	80	51.8	27,005	53.8	53	72.3	15,646	80.1
T JT OTHR(11)	12	38.3	563	56.8	4	65.4	641	62.9
PIST HEL(12)	93	13.9	11,948	22.1	3	*	351	*
1ENG HEL(13)	54	13.3	10,986	34.4	16	90.3	1,942	93.9
MENG HEL(14)	85	18.7	43,358	32.0	25	*	7,711	*
GLIDER	2,042	1.9	239,674	19.3	108	59.7	8,013	*
LTR THAN AIR	3,149	2.6	200,328	12.9	50	*	10,887	*
EXP-HOME BLT	5,349	2.7	275,495	6.1	122	*	5,832	*
EXP-EXHIBIT	2,448	1.2	144,364	9.1	42	*	2,468	*

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	DAY			NIGHT				
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
EXP-OTHER	2,179	12.8	251,061	18.0	522	53.7	62,838	59.3
AEROSPAS355	36	61.3	9,044	59.7	20	*	4,936	*
AGUSTAA109	71	6.9	7,377	21.4	16	*	2,487	*
AIRPTSA	45	18.0	2,499	32.5	0	0.0	0	0.0
AIRTRCAT300	231	16.2	71,265	18.8	3	*	1,085	*
AIRTRCAT400	111	29.4	43,115	31.1	23	*	14,366	*
AIRTRCAT500	83	32.7	40,328	34.0	2	*	1,278	*
AMDFALC10	25	60.3	9,707	62.4	40	37.1	19,961	38.3
AMDFALC20	35	66.3	13,353	70.4	52	45.1	23,679	41.8
AMDFALC50	26	57.6	11,459	55.7	32	39.8	13,294	41.0
AMRGENAG5B	91	29.3	20,622	21.5	57	57.5	5,422	*
ARCTICS1A	12	26.6	463	30.1	1	*	50	*
ARONCA15	128	0.4	12,724	20.6	1	*	46	*
ARONCA65	203	22.3	7,260	24.9	2	*	64	*
ARONCAC3	10	44.9	191	59.4	0	0.0	0	0.0
AYRESS2 (1)	338	21.4	162,783	23.5	23	*	6,666	*
AYRESS2 (6)	46	38.6	17,364	48.2	3	*	2,118	*
BBAVIA11	229	12.4	12,301	20.4	1	*	219	*

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	DAY			NIGHT			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
BBAVIA8	104	12.6	18,028	2	*	299	*
BEECH100	59	54.0	9,832	52	56.5	14,362	51.9
BEECH17	64	15.1	2,546	11	*	364	*
BEECH18	78	40.6	19,590	22	*	2,838	*
BEECH1900	1	*	544	2	93.5	1,816	99.0
BEECH1900D	1	*	96	1	*	741	*
BEECH200	321	40.8	45,606	322	34.8	131,304	30.1
BEECH23	2,105	11.7	198,422	675	46.4	53,941	69.6
BEECH300	46	45.1	12,763	39	39.7	15,915	36.7
BEECH33	2,118	11.9	264,970	1,003	29.2	83,393	36.2
BEECH35 (2)	6,403	8.1	446,633	2,035	32.2	112,445	42.2
BEECH35 (6)	41	53.1	8,478	12	*	1,582	*
BEECH36	2,643	15.3	263,298	1,248	36.2	124,416	41.0
BEECH45	147	22.8	17,597	23	97.5	1,401	*
BEECH50	57	40.1	4,213	29	80.9	1,461	89.6
BEECH55	1,629	23.0	115,995	975	39.0	90,856	41.5
BEECH56	21	53.8	1,154	7	*	793	*
BEECH58	1,212	19.8	140,925	661	37.3	108,506	37.8

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	DAY			NIGHT				
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
BEECH60	212	38.1	13,529	55.2	82	98.9	10,967	90.5
BEECH65	7	58.7	474	64.9	2	*	376	*
BEECH76	171	22.5	38,205	23.9	98	40.4	18,617	52.9
BEECH77	93	28.1	9,756	29.8	13	*	1,664	*
BEECH80	19	78.7	4,856	75.4	17	79.0	8,904	80.3
BEECH90	628	39.0	96,024	45.7	472	48.0	122,124	41.1
BEECH95	255	21.9	40,928	21.4	131	43.7	14,667	58.2
BEECH99	3	80.8	814	86.2	1	*	706	*
BELL204	105	1.4	23,324	18.4	5	*	302	*
BELL206	1,113	5.6	557,881	11.7	182	*	95,074	*
BELL212	22	2.3	6,067	28.9	1	*	542	*
BELL222	40	36.1	8,374	33.7	18	*	4,240	*
BELL412	39	32.8	18,085	25.7	18	95.4	7,193	*
BELL47	257	17.5	65,433	19.1	6	*	1,371	*
BLANCA11	28	20.6	2,017	24.5	0	0.0	6	*
BLANCA1413	68	2.5	2,473	30.8	2	*	85	*
BLANCA1419	118	9.2	5,951	22.2	11	*	407	*
BLANCA17	822	19.9	48,400	27.2	403	47.4	18,217	62.5

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	DAY			NIGHT				
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
BLANCA7 (1)	760	9.7	150,133	10.8	59	82.5	7,179	83.8
BLANCA7 (2)	14	3.5	637	22.2	0	0.0	0	0.0
BLANCA8	151	16.8	10,256	25.4	3	*	229	*
BLANKA/BBAVI	916	9.8	74,586	13.2	26	*	2,661	*
BNORMB2	10	53.1	2,454	56.8	0	0.0	157	*
BOEING75	486	11.0	38,198	15.9	4	*	531	*
BOLKMS105	19	22.2	8,217	20.5	6	*	2,916	*
BOLKMS117	40	34.6	18,719	34.0	16	*	4,907	*
BRAERODH125	47	69.3	16,510	66.3	64	52.5	31,081	52.5
CESSNA120	361	16.6	27,725	17.9	30	*	2,612	*
CESSNA140	807	16.9	49,184	32.7	43	*	4,048	*
CESSNA150	9,586	7.2	2,109,917	9.0	1,349	40.9	303,543	40.4
CESSNA170	1,545	8.4	106,466	14.7	301	68.0	13,581	*
CESSNA172	19,868	4.4	2,738,225	11.0	4,854	23.8	503,324	31.4
CESSNA175	797	6.6	46,964	14.6	88	*	5,557	*
CESSNA177	2,312	10.4	195,073	14.7	711	45.8	59,873	57.1
CESSNA180	1,975	7.8	168,993	10.6	496	49.0	20,419	68.6
CESSNA182	13,399	6.1	1,169,411	12.5	4,445	22.7	260,918	28.4

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	DAY				NIGHT			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
CESSNA185	1,063	7.4	150,647	15.2	148	91.6	8,569	*
CESSNA188	725	10.9	169,461	12.8	4	*	1,021	*
CESSNA190	16	14.5	460	55.4	3	*	61	*
CESSNA195	242	4.8	13,510	16.7	22	*	1,252	*
CESSNA205	115	16.0	9,059	19.6	27	84.2	1,782	87.4
CESSNA206	1,987	11.6	238,189	20.5	427	75.0	32,365	87.6
CESSNA207	33	46.5	4,278	53.1	6	*	673	*
CESSNA208	61	*	13,423	*	115	85.0	49,526	72.9
CESSNA210	5,107	11.5	455,955	14.6	2,576	26.0	215,824	33.6
CESSNA303	58	41.5	13,325	41.8	37	66.0	6,271	91.8
CESSNA305	88	15.5	8,982	19.8	2	*	266	*
CESSNA310	2,152	20.5	192,525	25.8	1,197	37.7	113,925	41.6
CESSNA320	108	19.6	7,899	21.1	54	40.9	2,884	51.2
CESSNA336	14	31.9	876	56.9	3	*	251	*
CESSNA337	638	16.3	38,372	20.4	161	70.8	12,633	69.4
CESSNA340	536	34.7	41,897	42.4	385	48.8	48,125	48.1
CESSNA401	97	47.1	7,272	53.3	32	*	5,389	*
CESSNA402	128	54.6	35,113	57.0	87	74.9	20,616	74.7

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	DAY			NIGHT				
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
CESSNA421	683	35.5	52,697	42.0	379	55.8	52,078	51.1
CESSNA425	99	47.4	12,401	60.2	79	54.7	18,527	45.6
CESSNA441	47	55.0	7,544	77.8	59	42.0	21,668	39.4
CESSNA500	175	63.3	35,681	83.9	334	31.2	113,133	28.0
CESSNA501	85	57.5	13,472	65.0	67	60.9	17,611	50.8
CESSNA650	50	73.0	16,991	76.4	80	45.9	34,953	37.5
CESSNA750	10	24.2	267	50.5	1	*	90	99.6
CHILDS1	133	14.8	12,978	17.4	2	*	133	*
CHILDS2	36	16.2	2,994	26.9	0	0.0	0	0.0
CHRISHUSKY	45	17.0	8,358	20.3	2	*	88	*
CNDAIRCL600	42	76.9	14,465	83.7	78	43.4	38,493	44.0
COMWTH185	24	21.2	981	30.1	0	0.0	3	*
CONAERLA4	323	10.3	19,820	18.0	70	82.7	2,424	*
CURTISTRVAIR	14	19.6	1,355	32.9	0	0.0	12	*
CVACBT/L13	30	28.6	1,570	31.4	1	*	61	*
DHAVDH82	31	21.8	1,006	26.7	0	0.0	0	0.0
DHAVDHC2	164	8.9	39,936	13.0	4	*	195	*
DHAVDHC6	8	61.7	5,650	62.5	1	*	87	*

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	DAY			NIGHT			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
DOUGDC3	51	72.5	4,935	29	*	7,657	94.2
EAGLEBAL	17	16.2	3,499	0	0.0	0	0.0
EMB110	2	*	361	2	*	616	*
ENSTRMF28-12	65	20.1	8,929	6	*	3,439	*
ENSTRMF28-13	72	5.0	9,309	11	92.0	4,031	*
FRCHLD24	41	1.2	1,769	1	*	78	*
FRCHLDN62	40	16.9	2,252	6	62.9	72	61.0
GRUMAVAA1	198	23.7	14,348	16	*	1,229	*
GRUMAVAA5	788	18.5	67,791	297	59.8	17,228	75.0
GRUMAVG164	184	20.7	85,440	4	*	2,278	*
GRUMAVG21	17	46.1	1,668	0	0.0	68	*
GULSTM112	406	22.9	31,926	175	60.5	13,282	66.3
GULSTM500	142	32.3	21,133	63	58.3	9,730	62.3
GULSTM560	27	83.4	2,031	14	*	784	*
GULSTM680	86	58.3	9,427	25	*	3,503	*
GULSTM680TP	23	75.4	1,711	10	*	1,660	*
GULSTM690TP	177	44.2	24,502	91	73.7	14,296	69.0
GULSTMAA1	246	16.0	18,653	33	91.2	1,809	*

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	DAY			NIGHT				
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
GULSTMAA5	689	23.2	48,570	23.6	297	61.6	17,081	74.6
GULSTMG1159	39	*	13,830	*	140	38.8	81,534	40.6
GULSTMG159	7	62.4	2,426	67.7	7	53.2	3,142	49.5
GULSTMG44	42	16.4	3,442	22.6	8	97.1	509	*
GULSTMGAT	29	38.5	2,155	39.3	18	62.7	1,061	71.4
HELIOH295	34	6.8	3,336	38.0	4	*	356	*
HILLERUH12	66	23.8	13,925	26.2	10	*	3,077	*
HUGHES269	189	26.0	66,985	28.3	14	*	4,498	*
HUGHES369-12	27	41.7	13,494	43.2	12	84.6	9,013	87.0
HUGHES369-13	412	0.1	166,567	18.0	64	*	26,828	*
HMKSLYDH125	108	60.3	25,205	65.5	161	37.7	54,511	33.8
HYNESB2	13	27.3	584	30.2	1	*	39	*
INTRCP200	27	26.5	1,569	37.3	10	93.8	385	*
ISRAEL1121	6	92.5	306	*	4	86.8	433	89.6
ISRAEL1124	54	69.8	15,718	72.1	62	46.4	28,256	49.0
JBMSTRDGA15	18	14.8	1,562	54.0	3	*	193	*
LEAR24	24	97.5	13,985	*	36	68.5	13,686	70.9
LEAR25	27	*	5,097	*	36	68.5	18,499	70.7

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	DAY			NIGHT				
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
LEAR35	102	61.0	30,162	75.5	128	46.5	58,523	45.7
LEAR55	18	*	5,184	*	29	77.2	11,272	67.1
LKHEED1329	6	64.3	892	70.1	4	72.7	981	65.4
LUSCOMB	646	12.6	42,717	16.8	12	*	1,166	*
MAULEM4	116	8.3	9,043	18.7	11	*	789	*
MAULEM5	290	6.3	32,142	32.7	53	*	3,089	*
MAULEM6	63	10.0	5,849	71.7	6	*	368	*
MAULEM7	84	7.4	8,718	14.4	15	83.4	753	*
MCLISHFUNKB	43	18.0	1,570	21.9	0	0.0	0	0.0
MILITARY204	47	1.0	9,465	12.5	4	*	722	*
MNCOU90	3	50.0	68	73.8	0	0.0	0	0.0
MNMITEM18	25	33.9	1,120	43.1	0	0.0	0	0.0
MOONEYM20	6,069	9.7	524,864	14.2	2,777	24.5	186,071	30.6
MTSBSIMU2	85	56.3	8,889	70.7	50	82.5	11,314	71.7
MTSBSIMU300	12	93.0	2,940	*	23	42.5	6,560	43.8
NAMERT28	72	22.6	3,512	22.9	5	*	297	*
NAMERT6	81	25.7	4,141	29.3	4	*	284	*
NAVIONNAVION	633	17.7	34,568	19.5	137	95.1	5,919	96.0

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	DAY			NIGHT			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	HOURS FLOWN	PERCENT STANDARD ERROR
NORWST65	31	29.7	3,131	38.4	0	0.0	0.0
PIPER600	262	38.1	23,440	39.8	156	64.9	12,964 62.4
PIPER602	189	40.7	14,704	45.0	110	71.1	12,647 66.3
PIPERJ3	2,184	7.6	130,273	12.0	3	*	184 *
PIPERJ4	33	16.2	1,772	25.1	0	0.0	0 0.0
PIPERJ5	87	18.6	4,759	25.5	2	98.2	13 *
PIPERPA14	43	1.1	2,577	61.8	0	0.0	10 *
PIPERPA15	50	19.8	1,974	21.8	0	0.0	0 0.0
PIPERPA16	72	0.7	4,458	16.5	2	*	101 *
PIPERPA17	40	20.4	2,231	32.8	0	0.0	3 *
PIPERPA18	1,607	11.3	183,381	24.5	44	*	2,827 *
PIPERPA20	178	0.3	8,410	35.0	6	*	638 *
PIPERPA22-1	297	22.7	27,796	24.6	44	*	1,130 *
PIPERPA22-2	2,063	2.4	127,713	12.8	127	*	7,234 *
PIPERPA23	1,727	21.6	156,299	22.3	837	45.6	54,278 55.1
PIPERPA24	2,672	11.3	168,304	15.1	864	43.0	44,480 53.9
PIPERPA25	397	14.4	62,437	18.2	0	0.0	121 *
PIPERPA28-1	3,551	12.0	318,257	14.7	657	52.4	48,224 58.3

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	DAY			NIGHT				
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
PIPERPA28-2	14,244	6.7	1,654,240	8.0	6,356	17.5	545,410	23.4
PIPERPA30	1,154	19.0	81,291	21.0	429	52.5	37,577	57.9
PIPERPA31-3	58	46.9	2,608	77.0	41	67.3	3,286	62.3
PIPERPA31-4	486	41.0	77,371	50.2	320	55.2	69,060	48.9
PIPERPA31T	183	46.7	27,581	50.9	135	58.2	40,501	52.2
PIPERPA32	3,481	13.9	401,456	17.2	1,692	31.9	135,345	41.9
PIPERPA34	1,019	30.9	95,782	33.8	689	41.9	94,896	44.4
PIPERPA36	102	24.0	22,598	26.9	4	*	2,015	*
PIPERPA38	500	25.8	162,331	22.1	112	*	26,111	*
PIPERPA42	26	48.2	3,934	62.5	15	61.1	4,261	58.5
PIPERPA44	192	44.5	52,329	35.0	133	66.1	21,773	84.0
PIPERPA46	349	23.9	29,482	41.3	235	38.9	32,916	34.8
RKWELNA265	89	54.7	11,915	55.6	101	47.1	23,662	45.6
ROBSINR22	240	10.7	97,440	13.5	15	93.3	8,655	94.1
SCWZERG164	286	31.7	99,133	33.0	25	*	4,330	*
SKRSKYS58	5	55.8	432	55.4	0	0.0	0	0.0
SKRSKYS76	62	36.8	15,131	58.0	20	*	6,481	*
SLINDS100	125	0.4	6,022	13.8	7	*	389	*

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

PAGE 13 OF 14

MANUFACTURER/ MODEL GROUP	DAY			NIGHT			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
SNIAS350	114	25.4	72,174	71	64.6	39,614	99.5
SOCATATB10	29	34.8	3,008	16	76.3	1,039	*
SOCATATB20	112	65.5	8,685	85	88.6	8,142	94.3
STNSON10	12	28.2	526	1	*	19	*
STNSONL5	24	20.0	1,479	0	0.0	123	*
STNSONV77	20	24.9	710	2	*	113	*
STOLAMRC3	74	0.7	3,451	1	*	124	*
SWRNGNA226-7	24	50.2	4,448	26	45.9	7,393	38.9
SWRNGNA226-8	5	*	1,127	5	*	1,392	98.2
SWRNGNSA227	17	64.8	8,712	8	*	1,948	*
SWRNGNSA26	10	72.6	994	8	83.2	1,730	81.2
TCRAFKD	57	17.6	3,067	9	92.3	263	97.0
TCRAFT19	51	14.9	4,709	1	*	78	*
TCRAFTBC	609	12.5	39,584	0	0.0	8	*
TCRAFTBL	53	16.9	2,072	0	0.0	0	0.0
TH55	16	32.8	3,128	4	*	1,491	*
UNIVACGC1	140	18.1	7,991	14	*	305	*
UNIVAR108	734	1.7	36,857	33	*	2,323	*

4.7 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN
 BY DAY/NIGHT BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	DAY			NIGHT				
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
UNIVAR415	962	11.5	42,593	17.1	6	*	519	*
VARGA2150	65	25.1	4,235	29.2	7	*	269	*
WACO-1	89	19.1	4,464	31.7	0	0.0	4	*
WACO-2	55	0.9	1,627	37.3	4	38.9	57	*
WTHRLY201	22	18.9	5,599	22.2	0	0.0	24	*
TOTALS	165,679	1.1	18,978,824	2.3	47,899	4.2	5,361,058	5.5

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.
 NUMBER IN PARENTHESIS FOLLOWING GROUP NAME INDICATES THE AIRCRAFT TYPE TO WHICH THESE AIRCRAFT BELONG. SEE
 THE FOLLOWING PAGE FOR A DESCRIPTION OF THESE AIRCRAFT TYPES. FOR ADDITIONAL INFORMATION, SEE APPENDIX B FOR
 AIRCRAFT GROUP NAMES AND FAA MANUFACTURER/MODEL CODES.

AIRCRAFT DEFINITIONS AND TYPES USED FOR THE GENERAL AVIATION SURVEY

AIRCRAFT TYPE DEFINITION	AIRCRAFT TYPE
FIXED-WING PISTON: 1 ENGINE - 1-3 SEATS	(1)
FIXED-WING PISTON: 1 ENGINE 4 + SEATS	(2)
FIXED-WING PISTON: 2 ENGINE - 1-6 SEATS	(3)
FIXED-WING PISTON: 2 ENGINE - 7 + SEATS	(4)
FIXED-WING PISTON: OTHER	(5)
FIXED WING-TURBOPROP: 1 ENGINE	(6)
FIXED WING-TURBOPROP: 2 ENGINE - 1-12 SEATS	(7)
FIXED WING-TURBOPROP: 2 ENGINE - 13 + SEATS	(8)
FIXED WING-TURBOPROP: OTHER	(9)
FIXED WING - TURBOJET: 2 ENG	(10)
FIXED WING - TURBOJET: OTHER	(11)
ROTORCRAFT: PISTON	(12)
ROTORCRAFT: 1 ENGINE - TURBINE	(13)
ROTORCRAFT: MULTI-ENGINE - TURBINE	(14)
OTHER AIRCRAFT: GLIDERS	(15)
OTHER AIRCRAFT: LIGHTER-THAN-AIR	(16)
OTHER AIRCRAFT: EXPERIMENTAL - HOME BUILT	(17)
OTHER AIRCRAFT: EXPERIMENTAL - EXHIBITION	(18)
OTHER AIRCRAFT: EXPERIMENTAL - OTHER	(19)

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
1ENG PIST(1)	71	56.6	1,701	64.2	3,318	6.7	256,424	11.6
1ENG PIST(2)	59	15.7	2,176	33.4	392	2.7	41,669	15.4
2ENG PIST(3)	78	26.2	13,080	31.9	190	11.3	23,453	29.1
2ENG PIST(4)	533	19.5	67,911	21.1	832	22.6	111,533	30.4
PIST OTHR(5)	3	64.5	182	66.1	5	53.1	600	58.3
1ENG TURB(6)	12	37.9	2,700	38.8	64	27.1	17,507	30.8
2ENG TURB(7)	66	18.4	14,760	19.5	76	24.2	6,504	50.0
2ENG TURB(8)	13	28.3	5,740	30.2	15	35.7	3,349	55.8
TURB OTHR(9)	5	41.0	129	40.1	6	42.4	834	38.5
2ENG T.JT(10)	59	53.7	15,604	56.3	74	51.6	27,047	53.9
T.JT OTHR(11)	6	38.9	858	44.1	10	37.3	347	*
PIST HEL(12)	0	0.0	0	0.0	96	12.8	12,299	21.6
1ENG HEL(13)	0	0.0	0	0.0	70	0.7	12,929	40.2
MENG HEL(14)	36	1.4	1,007	24.4	73	18.4	50,062	34.3
GLIDER	107	19.2	3,681	97.3	2,043	1.0	244,004	22.2
LTR THAN AIR	51	1.0	710	0.1	3,149	0.0	210,506	13.4
EXP-HOME BLT	107	0.5	2,920	36.1	5,364	0.0	278,406	5.7
EXP-EXHIBIT	59	16.0	2,694	24.5	2,432	0.4	144,136	9.0

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC			VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	HOURS FLOWN	PERCENT STANDARD ERROR
EXP-OTHER	528	21.0	47,093	30.0	2,172	266,806	20.1
AEROSPAS355	2	84.0	64	80.4	54	13,918	25.6
AGUSTAA109	17	23.0	667	28.7	70	9,198	27.1
AIRPTSA	0	0.0	0	0.0	45	2,499	32.5
AIRTRCAT300	0	0.0	0	0.0	234	72,351	17.4
AIRTRCAT400	0	0.0	0	0.0	134	57,482	18.5
AIRTRCAT500	0	0.0	0	0.0	85	41,606	30.2
AMDFALC10	46	31.1	22,063	32.2	19	7,605	77.4
AMDFALC20	61	31.9	28,999	33.4	26	8,033	93.1
AMDFALC50	40	31.9	18,922	33.0	17	5,832	77.6
AMRGENAG5B	50	27.3	2,057	56.1	98	23,987	18.3
ARCTICS1A	0	0.0	0	0.0	13	514	30.8
ARONCA15	0	0.0	0	0.0	129	12,770	20.5
ARONCA65	0	0.0	0	0.0	205	7,324	24.2
ARONCAC3	0	0.0	0	0.0	10	191	59.4
AYRESS2 (1)	0	0.0	0	0.0	361	169,449	18.7
AYRESS2 (6)	0	0.0	0	0.0	50	19,482	42.2
BBAVIA11	1	*	480	*	229	12,040	19.5

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
BBAVIA8	0	0.0	0	0.0	106	11.6	18,328	16.7
BEECH100	48	41.1	14,463	42.4	62	46.7	9,730	68.5
BEECH17	23	2.1	723	27.3	52	4.9	2,188	22.7
BEECH18	26	56.6	5,983	60.1	75	38.2	16,445	50.9
BEECH1900	2	95.7	1,794	*	1	*	567	*
BEECH1900D	1	97.9	806	*	1	*	30	*
BEECH200	344	22.8	145,258	24.4	299	38.4	31,652	91.9
BEECH23	647	14.0	24,030	25.4	2,133	4.9	228,334	13.1
BEECH300	47	28.5	20,611	29.3	37	47.1	8,068	66.0
BEECH33	1,244	4.9	73,849	11.5	1,877	5.1	274,515	19.3
BEECH35 (2)	2,562	9.2	104,913	18.7	5,877	4.5	454,163	10.9
BEECH35 (6)	13	40.0	1,176	43.8	41	46.4	8,883	51.6
BEECH36	1,657	7.9	134,259	14.9	2,233	7.5	253,455	24.1
BEECH45	23	33.8	729	51.3	147	17.8	18,269	23.4
BEECH50	31	19.3	1,415	33.3	55	11.5	4,258	29.1
BEECH55	1,015	16.8	75,658	19.5	1,589	11.0	131,194	29.2
BEECH56	10	53.0	213	81.1	18	30.8	1,734	34.5
BEECH58	846	14.9	122,442	17.8	1,027	12.6	126,990	30.1

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
BEECH60	157	28.7	15,970	34.4	137	34.7	8,526	*
BEECH65	3	62.6	297	70.4	7	50.3	552	62.0
BEECH76	110	15.7	14,165	25.5	159	11.2	42,657	23.4
BEECH77	10	60.0	694	72.7	96	19.2	10,727	22.5
BEECH80	14	87.7	5,239	92.7	22	74.6	8,521	*
BEECH90	526	24.5	149,871	27.0	575	34.1	68,277	55.2
BEECH95	127	22.5	10,364	24.6	259	11.3	45,231	17.2
BEECH99	2	77.5	894	75.7	2	84.1	625	*
BELL204	2	16.7	32	47.3	108	0.5	23,595	18.4
BELL206	64	0.8	1,878	19.5	1,231	0.0	651,078	13.1
BELL212	0	0.0	0	0.0	23	2.1	6,610	30.6
BELL222	19	2.6	1,064	66.3	40	14.2	11,550	34.2
BELL412	15	38.7	1,769	53.5	42	19.1	23,509	19.0
BELL47	0	0.0	0	0.0	263	16.5	66,803	18.1
BLANCA11	0	0.0	0	0.0	28	20.4	2,024	24.3
BLANCA1413	1	54.1	52	37.0	68	1.9	2,506	30.4
BLANCA1419	19	2.5	346	33.8	110	0.5	6,013	22.5
BLANCA17	457	9.7	19,228	31.4	768	7.8	47,389	24.6

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
BLANCA7 (1)	3	57.4	294	85.9	816	7.1	157,018	8.9
BLANCA7 (2)	0	0.0	0	0.0	14	3.5	637	22.2
BLANCA8	0	0.0	0	0.0	154	15.4	10,485	25.0
BLANKA/BBAVI	9	*	22	*	932	9.0	77,225	13.4
BNORMBN2	2	83.6	10	82.5	8	42.9	2,601	52.9
BOEING75	0	0.0	0	0.0	489	10.6	38,730	15.6
BOLKMS105	0	0.0	0	0.0	25	2.0	11,133	13.5
BOLKMS117	2	64.2	44	55.6	54	4.8	23,582	25.4
BRAERODH125	71	30.4	34,890	31.1	39	64.9	12,701	84.0
CESSNA120	10	72.2	73	77.0	381	13.1	30,263	15.5
CESSNA140	26	*	333	*	824	13.8	52,900	31.1
CESSNA150	626	24.4	24,866	33.3	10,310	4.6	2,388,594	8.6
CESSNA170	180	41.2	2,312	56.4	1,666	4.5	117,734	15.6
CESSNA172	5,092	6.7	250,842	15.6	19,629	2.0	2,990,708	12.1
CESSNA175	88	35.5	1,849	39.7	797	4.3	50,672	15.2
CESSNA177	900	7.5	50,443	18.8	2,124	4.6	204,504	16.4
CESSNA180	390	23.1	9,501	27.5	2,081	4.6	179,912	10.4
CESSNA182	5,511	4.2	220,749	8.9	12,333	2.5	1,209,580	12.5

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
CESSNA185	209	14.1	3,426	34.6	1,002	3.6	155,790	16.1
CESSNA188	4	*	17	*	724	10.1	170,465	12.5
CESSNA190	3	14.2	83	59.4	16	6.3	436	41.5
CESSNA195	22	2.2	697	40.1	242	0.2	14,063	15.9
CESSNA205	24	25.0	1,454	33.3	118	5.8	9,388	17.6
CESSNA206	721	9.8	37,125	22.2	1,693	6.1	233,427	21.3
CESSNA207	3	64.7	160	60.7	36	6.1	4,792	34.5
CESSNA208	35	*	13,912	*	142	62.2	49,037	89.8
CESSNA210	2,946	7.6	204,042	13.1	4,738	5.8	467,737	16.1
CESSNA303	44	23.0	6,277	24.8	51	21.6	13,319	32.4
CESSNA305	4	58.6	302	69.1	87	14.1	8,946	19.0
CESSNA310	1,169	17.5	109,379	27.0	2,181	9.6	197,070	24.4
CESSNA320	56	17.2	2,656	19.2	105	9.4	8,128	17.4
CESSNA336	3	60.6	319	64.4	14	15.9	808	56.8
CESSNA337	188	17.6	12,549	21.5	611	5.6	38,456	18.9
CESSNA340	441	19.5	53,033	24.4	480	18.6	36,990	40.0
CESSNA401	56	40.9	5,969	42.8	73	49.2	6,692	80.0
CESSNA402	76	48.8	23,582	50.2	138	43.6	32,147	55.5

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMPUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
CESSNA421	467	26.9	57,723	31.2	595	32.5	47,052	54.1
CESSNA425	82	30.0	21,815	32.2	97	39.7	9,113	70.2
CESSNA441	58	27.6	22,263	29.1	48	48.2	6,948	82.2
CESSNA500	332	26.1	118,121	27.2	177	61.1	30,694	86.1
CESSNA501	90	30.8	24,477	32.5	62	64.0	6,606	*
CESSNA650	84	31.2	38,867	32.1	47	68.5	13,078	90.2
CESSNAT50	1	93.6	74	91.1	10	11.7	284	48.0
CHILDS1	5	60.1	144	68.6	130	13.3	12,966	16.7
CHILDS2	0	0.0	0	0.0	36	16.2	2,994	26.9
CHRISHUSKY	2	75.8	47	75.2	45	15.8	8,398	19.5
CNDAIRCL600	85	36.4	40,014	38.3	34	86.7	12,946	98.9
COMTH185	0	0.0	0	0.0	24	20.9	983	29.8
CONAERLA4	81	6.1	1,715	23.1	313	4.5	20,530	19.8
CURTISTRVAIR	0	0.0	0	0.0	14	19.0	1,366	32.6
CVACBT/L13	2	91.3	47	94.1	29	25.5	1,584	29.4
DHAVDH82	0	0.0	0	0.0	31	21.8	1,006	26.7
DHAVDHC2	26	1.9	88	90.0	142	0.4	40,043	12.9
DHAVDHC6	3	59.3	143	55.7	6	64.7	5,595	62.0

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
DOUGDC3	21	89.0	5,597	95.3	58	62.3	6,994	*
EAGLEBAL	0	0.0	0	0.0	17	16.2	3,499	17.7
EMB110	1	*	322	*	2	89.5	654	98.4
ENSTRMF28-12	0	0.0	202	*	71	18.0	12,165	40.2
ENSTRMF28-13	4	10.4	532	50.1	78	3.7	12,809	39.3
FRCHLD24	0	0.0	0	0.0	42	1.2	1,849	23.1
FRCHLDW62	6	62.9	72	61.0	40	16.9	2,252	28.5
GRUMAVAA1	3	50.5	145	43.3	211	17.6	15,431	22.4
GRUMAVAA5	313	13.3	15,860	28.7	772	6.9	69,159	20.0
GRUMAVG164	0	0.0	0	0.0	188	18.3	87,719	21.0
GRUMAVG21	3	70.0	24	71.0	14	40.2	1,712	58.2
GULSTM112	182	17.7	11,478	25.4	398	9.9	33,730	25.1
GULSTM500	80	29.0	9,983	32.6	125	29.0	20,880	49.4
GULSTM560	18	67.2	1,007	74.3	23	81.2	1,809	*
GULSTM680	50	46.2	2,609	71.8	61	53.2	10,321	72.9
GULSTM680TP	11	82.5	2,031	90.6	22	66.5	1,339	77.9
GULSTM690TP	130	31.6	23,230	33.5	138	43.9	15,568	70.7
GULSTMAA1	19	47.3	346	53.9	260	11.7	20,116	14.9

4-8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC			VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	HOURS FLOWN	PERCENT STANDARD ERROR
GULSTMA5	289	26.2	12,733	34.8	697	52,918	21.1
GULSTMG1159	141	38.3	76,894	40.3	38	18,471	*
GULSTMG159	10	38.8	4,254	38.6	4	1,314	94.7
GULSTMG44	15	12.2	608	34.7	35	3,342	22.8
GULSTMGA7	21	22.4	1,182	49.9	26	2,034	34.9
HELIOH295	2	72.3	294	79.7	36	3,398	37.0
HILLERUH12	0	0.0	0	0.0	76	17,002	20.3
HUGHES269	0	0.0	0	0.0	203	71,483	23.8
HUGHES369-12	0	0.0	0	0.0	38	22,507	24.2
HUGHES369-13	0	0.0	0	0.0	475	193,396	19.4
HWKSLYDH125	181	25.8	62,736	28.0	88	16,981	82.4
HYNESB2	0	0.0	0	0.0	13	623	27.9
INTRCP200	12	3.9	405	20.6	25	1,549	33.9
ISRAEL1121	4	80.4	474	82.4	6	265	*
ISRAEL1124	77	35.7	33,727	37.3	39	10,247	98.7
JBMSTRDGA15	3	13.9	121	12.0	18	1,634	54.7
LEAR24	42	53.6	17,389	57.7	18	10,283	*
LEAR25	46	48.6	20,752	51.0	17	2,844	*

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC			VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	HOURS FLOWN	PERCENT STANDARD ERROR
LEAR35	148	37.2	62,506	38.1	82	26,178	94.4
LEAR55	32	50.3	13,211	50.6	15	3,245	*
LKHEED1329	4	57.1	1,214	56.5	5	660	80.6
LUSCOMB	0	0.0	0	0.0	658	43,883	16.2
MAULEM4	15	38.1	368	75.8	112	9,464	20.2
MAULEM5	36	41.9	1,585	50.5	307	33,646	33.4
MAULEM6	8	42.3	120	52.5	62	6,096	71.4
MAULEM7	18	18.9	398	23.1	81	9,073	15.0
MCLISHFUNKB	0	0.0	0	0.0	43	1,570	21.9
MILITARY204	0	0.0	0	0.0	51	10,187	13.1
MNCOUP90	0	0.0	0	0.0	3	68	73.8
MNMITM18	0	0.0	0	0.0	25	1,120	43.1
MOONEYM20	3,090	7.3	171,333	16.5	5,756	539,603	14.6
MTBSIMUJ2	65	40.3	14,263	43.0	70	5,940	*
MTBSIMUJ300	26	35.8	7,914	37.5	9	1,586	*
NAMERT28	8	45.1	250	56.5	69	3,558	21.5
NAMERT6	2	67.5	9	64.4	83	4,416	25.7
NAVIONNAVION	113	0.4	2,509	23.4	657	37,978	14.2

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
NORWST65	0	0.0	0	0.0	31	29.7	3,131	38.4
PIPER600	179	22.9	13,446	27.3	239	17.7	22,958	36.7
PIPER602	139	26.8	15,527	31.5	160	23.9	11,825	46.4
PIPERJ3	1	70.5	16	62.2	2,185	7.6	130,441	12.0
PIPERJ4	0	0.0	0	0.0	33	16.2	1,772	25.1
PIPERJ5	2	98.2	13	*	87	18.6	4,759	25.5
PIPERPA14	0	0.0	0	0.0	43	1.1	2,588	63.0
PIPERPA15	0	0.0	0	0.0	50	19.8	1,974	21.8
PIPERPA16	0	0.0	0	0.0	73	0.7	4,560	16.6
PIPERPA17	0	0.0	0	0.0	40	20.2	2,234	32.7
PIPERPA18	0	0.0	0	0.0	1,650	10.0	186,208	23.9
PIPERPA20	0	0.0	0	0.0	184	0.3	9,049	35.2
PIPERPA22-1	32	76.8	182	79.0	309	15.7	28,744	22.4
PIPERPA22-2	71	53.6	1,978	54.9	2,119	1.9	132,969	13.0
PIPERPA23	888	19.4	48,921	25.3	1,676	10.4	161,656	18.4
PIPERPA24	1,186	9.1	45,838	23.0	2,349	5.5	166,946	14.3
PIPERPA25	0	0.0	0	0.0	398	14.3	62,558	18.2
PIPERPA28-1	591	23.3	23,656	30.2	3,617	8.5	342,826	13.1

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
PIPERPA28-2	6,479	4.7	383,279	8.9	14,120	2.7	1,816,371	7.5
PIPERPA30	640	14.6	39,667	18.9	943	10.2	79,202	21.6
PIPERPA31-3	36	35.2	3,180	48.9	63	20.5	2,714	81.6
PIPERPA31-4	370	28.1	90,523	30.1	436	36.5	55,908	58.2
PIPERPA31T	170	28.0	50,879	30.4	148	45.9	17,201	78.0
PIPERPA32	1,954	7.5	121,514	14.3	3,220	6.0	415,287	17.4
PIPERPA34	685	24.2	79,533	27.1	1,023	25.6	111,145	31.7
PIPERPA36	0	0.0	0	0.0	106	19.7	24,613	24.9
PIPERPA38	75	54.9	3,652	63.6	538	12.2	184,789	17.8
PIPERPA42	25	29.8	7,013	31.1	16	59.5	1,183	*
PIPERPA44	121	35.2	13,606	38.2	204	21.4	60,495	21.2
PIPERPA46	268	10.3	38,037	15.2	316	12.4	24,361	47.9
RKVELLNA265	123	29.2	25,133	30.8	67	62.8	10,443	73.1
ROBSINR22	0	0.0	0	0.0	255	9.0	106,096	12.6
SCHWZERG164	0	0.0	0	0.0	311	22.3	103,464	24.1
SKRSKYS58	0	0.0	0	0.0	5	55.8	432	55.4
SKRSKYS76	24	86.6	826	*	58	41.2	20,785	24.8
SLINDS100	2	20.2	9	6.0	130	0.4	6,403	13.5

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
 AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
 EXCLUDES COMPUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
SNIAS350	26	1.9	3,025	25.0	158	0.3	108,763	21.5
SOCATATB10	18	12.8	1,142	36.2	27	15.6	2,903	29.6
SOCATATB20	74	45.0	6,509	47.0	123	30.0	10,318	54.0
STNSON10	0	0.0	0	0.0	12	24.3	547	37.2
STNSONL5	0	0.0	0	0.0	24	19.2	1,602	31.2
STNSONV77	0	0.0	0	0.0	23	17.9	823	20.8
STOLAMRC3	0	0.0	0	0.0	75	0.7	3,575	21.9
SWRNGNA226-7	27	28.3	8,479	28.9	22	44.5	3,362	69.4
SWRNGNA226-8	4	85.5	1,521	86.9	6	*	999	*
SWRNGNSA227	14	73.7	3,520	74.8	11	96.3	7,139	*
SWRNGNSA26	10	51.6	2,017	58.2	8	76.9	707	*
TCRAFKD	1	*	9	*	65	12.7	3,322	15.2
TCRAFT19	0	0.0	0	0.0	53	13.2	4,786	16.8
TCRAFTBC	0	0.0	0	0.0	609	12.5	39,591	15.3
TCRAFTBL	0	0.0	0	0.0	53	16.9	2,072	23.1
TH55	0	0.0	0	0.0	20	20.8	4,619	30.9
UNIVACGC1	13	45.6	109	51.9	141	14.9	8,187	17.4
UNIVAR108	9	*	579	*	757	1.6	38,603	14.4

4.8 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IMC CONDITIONS
AND VMC CONDITIONS BY MANUFACTURER/MODEL GROUP
EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	IMC				VMC			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
UNIVAR415	0	0.0	0	0.0	968	11.2	43,113	18.1
VARGA2150	7	49.1	152	49.8	66	19.2	4,350	27.5
WACO-1	0	0.0	0	0.0	89	19.0	4,469	31.7
WACO-2	3	12.6	54	46.4	55	0.9	1,629	37.3
WTHRLY201	0	0.0	0	0.0	23	18.0	5,623	21.3
TOTALS	51,823	1.8	4,217,449	3.2	161,755	0.8	20,122,431	2.5

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.
NUMBER IN PARENTHESES FOLLOWING GROUP NAME INDICATES THE AIRCRAFT TYPE TO WHICH THESE AIRCRAFT BELONG. SEE
THE FOLLOWING PAGE FOR A DESCRIPTION OF THESE AIRCRAFT TYPES. FOR ADDITIONAL INFORMATION, SEE APPENDIX B FOR
AIRCRAFT GROUP NAMES AND FAA MANUFACTURER/MODEL CODES.

AIRCRAFT DEFINITIONS AND TYPES USED FOR THE GENERAL AVIATION SURVEY

AIRCRAFT TYPE DEFINITION	AIRCRAFT TYPE
FIXED-WING PISTON: 1 ENGINE - 1-3 SEATS	(1)
FIXED-WING PISTON: 1 ENGINE 4 + SEATS	(2)
FIXED-WING PISTON: 2 ENGINE - 1-6 SEATS	(3)
FIXED-WING PISTON: 2 ENGINE - 7 + SEATS	(4)
FIXED-WING PISTON: OTHER	(5)
FIXED WING-TURBOPROP: 1 ENGINE	(6)
FIXED WING-TURBOPROP: 2 ENGINE - 1-12 SEATS	(7)
FIXED WING-TURBOPROP: 2 ENGINE - 13 + SEATS	(8)
FIXED WING-TURBOPROP: OTHER	(9)
FIXED WING - TURBOJET: 2 ENG	(10)
FIXED WING - TURBOJET: OTHER	(11)
ROTORCRAFT: PISTON	(12)
ROTORCRAFT: 1 ENGINE - TURBINE	(13)
ROTORCRAFT: MULTI-ENGINE - TURBINE	(14)
OTHER AIRCRAFT: GLIDERS	(15)
OTHER AIRCRAFT: LIGHTER-THAN-AIR	(16)
OTHER AIRCRAFT: EXPERIMENTAL - HOME BUILT	(17)
OTHER AIRCRAFT: EXPERIMENTAL - EXHIBITION	(18)
OTHER AIRCRAFT: EXPERIMENTAL - OTHER	(19)

4.9 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN BY FLIGHT PLAN
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 4

AIRCRAFT TYPE	IFR FLIGHT PLANS				VFR/DVFR FLIGHT PLANS			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR
FIXED WING								
FIXED WING - PISTON								
1 ENG: 1-3 SEATS	614	23.6	66,844	7.1	11,300	4.6	1,618,724	5.0
1 ENG: 4+ SEATS	13,688	4.7	2,196,717	2.0	28,661	3.0	3,914,941	2.8
1 ENGINE: TOTAL	14,303	4.7	2,263,563	2.0	39,961	2.5	5,533,664	2.4
2 ENG: 1-6 SEATS	4,333	6.3	674,157	5.1	2,584	9.3	328,610	6.6
2 ENG: 7+ SEATS	2,883	7.1	438,755	7.5	904	16.7	112,266	9.9
2 ENGINE: TOTAL	7,215	4.7	1,112,913	4.3	3,487	8.2	440,877	5.5
PISTON: OTHER	5	66.7	168	55.2	8	47.9	288	52.0
PISTON: TOTAL	21,523	3.5	3,376,643	1.9	43,457	2.4	5,974,830	2.3
FIXED WING - TURBOPROP								
1 ENG: TOTAL	183	34.5	57,782	54.6	50	60.0	10,091	83.3
2 ENG: 1-12 SEATS	2,759	3.6	538,600	7.2	161	32.8	27,665	11.7
2 ENG: 13+ SEATS	288	4.1	41,337	17.2	27	32.7	6,406	71.2
2 ENGINE: TOTAL	3,047	3.3	579,937	6.8	188	28.5	34,071	16.4
TURBOPROP: OTHER	3	109.2	122	44.6	1	176.6	16	129.7
TURBOPROP: TOTAL	3,234	3.6	637,841	7.9	239	25.7	44,178	22.8

4.9 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN BY FLIGHT PLAN
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 4

AIRCRAFT TYPE	IFR FLIGHT PLANS			VFR/DVFR FLIGHT PLANS			
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	PERCENT STANDARD ERROR	NUMBER ACTIVE AIRCRAFT	HOURS FLOWN	PERCENT STANDARD ERROR
FIXED WING - TURBOJET							
2 ENGINE: TOTAL	3,430	1.9	791,716	5.8	106	17,590	22.1
TURBOJET: OTHER	165	2.7	26,057	11.2	9	147	24.3
TURBOJET: TOTAL	3,595	1.8	817,774	5.6	114	17,737	21.9
FIXED WING: TOTAL	28,352	2.7	4,832,258	1.9	43,811	6,036,747	2.3
ROTORCRAFT							
PISTON: TOTAL	11	82.3	1,401	82.2	416	69,275	16.7
1ENG: TURBINE	32	76.4	7,649	50.0	781	425,032	16.9
MULTI ENG: TURBINE	25	62.1	6,156	12.7	312	77,175	31.3
TURBINE TOTAL:	57	50.7	13,805	28.3	1,093	502,208	15.1
ROTORCRAFT: TOTAL	68	44.7	15,207	26.8	1,509	571,483	13.4
OTHER AIRCRAFT							
GLIDERS:	5	185.6	3,568	11.2	181	25,178	25.3
LIGHTER-THAN-AIR	47	86.4	4,969	44.3	1,532	50,955	14.6
EXPERIMENTAL							
EXP-HOME BUILT	52	97.8	2,577	49.4	1,660	69,008	18.6
EXP-EXHIBITION	17	116.2	2,550	31.2	492	34,507	15.0
EXP-OTHER	323	26.9	66,271	21.1	700	105,943	24.8
TOTAL ALL AIRCRAFT	28,863	2.7	4,927,401	1.9	49,884	6,893,825	2.3

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

4.9 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN BY FLIGHT PLAN
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	NO FLIGHT PLANS			OTHER/UNKNOWN FLIGHT PLANS			TOTAL FLIGHT PLANS		
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN
FIXED WING									
FIXED WING - PISTON									
1 ENG: 1-3 SEATS	26,659	2.1	2,791,428	2,643	10.9	484,878	41,079	2.0	4,962,109
1 ENG: 4+ SEATS	40,926	2.2	4,925,991	6,161	7.7	1,528,639	89,437	1.7	12,566,329
1 ENGINE: TOTAL	67,585	1.6	7,717,422	8,804	6.3	2,013,518	130,516	1.3	17,528,433
2 ENG: 1-6 SEATS	3,173	8.0	386,987	832	18.7	124,042	10,922	4.3	1,513,509
2 ENG: 7+ SEATS	1,252	13.1	146,376	427	27.7	75,176	5,466	6.0	772,480
2 ENGINE: TOTAL	4,426	6.8	533,364	1,260	15.5	199,218	16,388	3.5	2,285,990
PISTON: OTHER	5	70.9	237	0	0.0	0	18	34.3	692
PISTON: TOTAL	72,015	1.5	8,251,025	10,064	5.9	2,212,736	146,922	1.2	19,815,113
FIXED WING - TURBOPROP									
1 ENG: TOTAL	243	16.8	63,864	227	30.5	43,671	703	15.1	175,413
2 ENG: 1-12 SEATS	251	30.2	32,500	94	53.7	38,030	3,266	4.4	636,749
2 ENG: 13+ SEATS	11	57.9	1,165	40	25.4	14,188	366	5.1	63,070
2 ENGINE: TOTAL	263	29.0	33,665	133	38.5	52,218	3,632	4.0	699,819
TURBOPROP: OTHER	4	85.6	213	16	30.3	907	24	29.9	1,254
TURBOPROP: TOTAL	510	16.9	97,743	376	22.9	96,796	4,359	4.1	876,487

4.9 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN BY FLIGHT PLAN
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

PAGE 4 OF 4

AIRCRAFT TYPE	NO FLIGHT PLANS			OTHER/UNKNOWN FLIGHT PLANS			TOTAL FLIGHT PLANS		
	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN	NUMBER ACTIVE AIRCRAFT	PERCENT STANDARD ERROR	HOURS FLOWN
FIXED WING - TURBOJET									
2 ENGINE: TOTAL	13	129.6	2,315	124	38.2	35,965	3,673	2.5	847,641
TURBOJET: OTHER	11	37.2	139	2	89.0	17	186	3.8	26,356
TURBOJET: TOTAL	24	74.6	2,454	125	37.7	35,982	3,859	2.4	873,998
FIXED WING: TOTAL	72,549	1.5	8,351,224	10,565	5.7	2,345,515	155,141	1.2	21,565,600
ROTORCRAFT									
PISTON: TOTAL	1,095	5.6	221,121	125	25.0	26,555	1,644	5.4	318,363
1 ENG: TURBINE	985	11.2	426,781	347	24.1	146,077	2,144	8.2	1,005,649
MULTI ENG: TURBINE	174	22.1	55,080	208	17.2	88,789	720	9.9	227,182
TURBINE TOTAL:	1,159	10.0	481,861	555	16.4	234,866	2,864	6.6	1,232,832
ROTORCRAFT: TOTAL	2,254	5.8	702,984	680	14.1	261,422	4,508	4.7	1,551,195
OTHER AIRCRAFT									
GLIDERS:	1,313	5.2	186,729	147	33.1	14,220	1,645	6.1	229,698
LIGHTER-THAN-AIR	1,925	9.3	182,234	98	59.5	2,568	3,602	7.2	240,753
EXPERIMENTAL									
EXP-HOME BUILT	4,945	5.3	190,812	197	49.7	6,264	6,854	5.5	268,678
EXP-EXHIBITION	972	9.8	78,544	141	39.0	35,183	1,622	8.8	150,784
EXP-OTHER	1,269	10.1	142,061	169	38.5	18,887	2,462	8.3	333,161
TOTAL ALL AIRCRAFT	85,227	1.4	9,834,588	11,997	5.2	2,684,063	175,833	1.1	24,339,880

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

CHAPTER V
FUEL CONSUMPTION

5.1 1993 GENERAL AVIATION AVERAGE FUEL CONSUMPTION RATE AND TOTAL FUEL CONSUMED
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AVERAGE RATE GPH	ESTIMATED FUEL USE (mil gal)	PERCENT STANDARD ERROR
FIXED WING			
FIXED WING - PISTON			
1 ENG: 1-3 SEATS	9.4	44.7	4.1
1 ENG: 4+ SEATS	11.4	134.0	2.9
1 ENGINE: TOTAL	10.8	178.7	2.4
2 ENG: 1-6 SEATS	26.6	43.1	5.0
2 ENG: 7+ SEATS	35.1	31.4	6.2
2 ENGINE: TOTAL	29.5	74.5	3.9
PISTON: OTHER	238.7	0.2	42.8
PISTON: TOTAL	13.0	253.4	2.1
FIXED WING - TURBOPROP			
1 ENGINE: TOTAL	54.4	13.3	11.3
2 ENG: 1-12 SEATS	84.8	71.6	6.7
2 ENG: 13+ SEATS	110.4	14.9	20.6
2 ENGINE: TOTAL	87.1	86.5	6.6
TURBOPROP: OTHER	54.4	0.2	42.6
TURBOPROP: TOTAL	80.5	99.9	5.9
FIXED WING - TURBOJET			
2 ENGINE: TOTAL	263.2	296.4	4.8
TURBOJET: OTHER	362.1	14.2	15.5
TURBOJET: TOTAL	266.2	310.6	4.7

5.1 1993 GENERAL AVIATION AVERAGE FUEL CONSUMPTION RATE AND TOTAL FUEL CONSUMED
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AVERAGE RATE GPH	ESTIMATED FUEL USE (mil gal)	PERCENT STANDARD ERROR
FIXED WING: TOTAL	26.0	664.0	2.5
ROTORCRAFT			
PISTON: TOTAL	15.1	5.6	8.7
1 ENG: TURBINE	26.0	27.9	9.5
MULTI-ENGL TURBINE	40.2	15.7	10.8
TURBINE: TOTAL	28.6	43.5	7.2
ROTORCRAFT: TOTAL	25.8	49.1	6.5
OTHER AIRCRAFT			
GLIDERS:	0.0	0.0	0.0
LIGHTER-THAN-AIR:	0.0	0.0	0.0
EXPERIMENTAL:			
HOME BUILT:	13.2	3.9	9.0
EXHIBITION:	13.2	1.2	18.2
OTHER:	13.2	4.3	15.0
TOTAL ALL AIRCRAFT	25.1	722.5	2.3
TOTAL: JET FUEL	113.5	454.1	3.4
TOTAL: AVIATION GASOLINE	12.7	268.4	2.4

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

CHAPTER VI
AIRFRAME HOURS AND ENGINE ACTIVITY

6.1 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
FIXED WING									
FIXED WING - PISTON									
1 ENG: 1-3 SEATS	68,813	41,250	1.8	59.9	1.1	128,505,360	2.5	3,126.2	1.6
1 ENG: 4+ SEATS	109,606	89,436	0.9	81.6	0.7	281,907,104	1.6	3,164.8	1.3
1 ENGINE: TOTAL	178,419	130,687	0.8	73.2	0.6	410,412,576	1.3	3,153.2	1.0
2 ENG: 1-6 SEATS	15,187	10,922	2.9	71.9	2.1	39,748,700	4.3	3,648.2	3.2
2 ENG: 7+ SEATS	6,581	5,465	2.3	83.0	1.9	21,585,844	5.6	3,790.8	4.8
2 ENGINE: TOTAL	21,768	16,388	2.1	75.3	1.6	61,334,560	3.4	3,693.8	2.6
PISTON: OTHER	95	18	38.9	18.9	7.4	144,334	47.4	7,833.6	24.1
PISTON: TOTAL	200,282	147,093	0.8	73.4	0.6	471,891,424	1.2	3,207.6	1.0
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL	807	703	6.7	87.1	5.8	1,553,807	11.5	2,088.1	9.0
2 ENG: 1-12 SEATS	4,086	3,265	3.8	79.9	3.0	13,030,507	6.2	4,001.3	5.2
2 ENG: 13+ SEATS	868	365	15.6	42.1	6.6	2,086,051	17.7	6,099.6	6.2
2 ENGINE: TOTAL	4,954	3,631	3.8	73.3	2.8	15,116,559	5.9	4,154.8	4.7
TURBOPROP: OTHER	71	24	37.5	33.8	12.7	264,930	41.2	10,928.7	4.2
TURBOPROP: TOTAL	5,832	4,359	3.3	74.7	2.5	16,935,296	5.4	3,816.2	4.3
FIXED WING - TURBOJET									
2 ENGINE: TOTAL	4,272	3,672	2.9	86.0	2.5	14,920,263	5.3	4,093.4	4.3

6.1 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
BY AIRCRAFT TYPE
EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR	
TURBOJET: OTHER	434	186	11.8	42.9	5.1	627,508	14.7	3,088.0	11.3	
TURBOJET: TOTAL	4,706	3,859	2.8	82.0	2.3	15,547,770	5.1	4,049.5	4.2	
FIXED WING: TOTAL	210,820	155,312	0.7	73.7	0.5	504,374,464	1.2	3,234.2	0.9	
ROTORCRAFT										
PISTON: TOTAL	4,274	1,645	6.3	38.5	2.4	5,174,793	10.9	3,172.8	6.3	
1 ENG: TURBINE	3,040	2,144	5.0	70.5	3.6	14,499,893	10.5	6,894.9	9.4	
MULTI-ENG: TURBINE	906	719	5.3	79.4	4.2	3,257,717	9.4	4,545.0	8.5	
TURBINE: TOTAL	3,946	2,864	4.0	72.6	2.9	17,757,610	8.7	6,461.4	8.2	
ROTORCRAFT: TOTAL	8,220	4,509	3.4	54.9	1.9	22,932,404	7.2	5,289.7	6.6	
OTHER AIRCRAFT										
GLIDERS:	2,760	1,645	6.8	59.6	4.1	2,247,791	17.3	1,366.3	15.9	
LIGHTER-THAN-AIR:	5,497	3,601	5.7	65.5	3.7	1,848,737	43.3	513.3	42.9	
EXPERIMENTAL:										
HOME BUILT:	12,683	6,853	5.9	54.0	3.2	3,616,614	14.7	527.7	13.5	
EXHIBITION:	2,617	1,621	7.3	61.9	4.5	2,480,168	14.7	1,529.3	12.7	
OTHER:	3,374	2,461	5.0	72.9	3.6	6,343,896	12.3	2,576.9	11.3	
TOTAL	245,971	176,006	0.7	71.6	0.5	543,844,096	1.2	3,058.6	0.9	

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
1ENG PIST (1)	10,115	4,622	6.8	45.7	3.1	11,761,836	11.0	2,544.5	8.6
1ENG PIST (2)	893	399	12.0	44.8	5.4	688,049	21.9	1,720.5	18.3
2ENG PIST (3)	469	211	10.7	45.2	4.8	955,309	15.2	4,507.8	10.8
2ENG PIST (4)	1,320	1,077	6.5	81.7	5.3	4,365,721	14.3	4,050.0	12.8
PIST OTHR (5)	95	18	40.7	19.4	7.9	144,334	47.4	7,833.6	24.1
1ENG TURB (6)	136	102	15.1	75.7	11.4	136,017	47.6	1,321.8	45.1
2ENG TURB (7)	191	125	12.3	65.5	8.1	403,819	19.0	3,226.6	14.6
2ENG TURB (8)	135	36	23.0	27.2	6.3	360,436	25.0	9,816.9	9.7
TURB OTHR (9)	71	24	41.0	34.1	14.0	264,930	41.2	10,928.7	4.2
2ENG T-JET (10)	203	129	16.8	64.0	10.7	1,100,734	22.2	8,476.8	14.5
TJET OTHR (11)	189	30	17.8	16.3	2.9	145,822	32.1	4,729.5	26.7
PIST HEL (12)	1,007	126	27.2	12.6	3.4	177,669	35.6	1,401.5	23.0
1ENG TUR HEL (13)	231	87	19.0	37.9	7.2	298,408	27.7	3,412.9	20.1
MULTI-ENG HEL(14)	113	59	10.9	52.9	5.8	387,369	34.8	6,480.5	33.0
GLIDERS (15)	2,760	1,645	6.9	59.6	4.1	2,247,791	17.3	1,366.3	15.8
LIGHTER-THAN-AIR (16)	5,497	3,601	5.7	65.5	3.8	1,848,737	43.2	513.3	42.9
EXP-HOME BLT (17)	12,683	6,853	5.9	54.0	3.2	3,616,615	14.7	527.7	13.5
EXP-EXHIBIT (18)	2,617	1,621	7.4	62.0	4.6	2,480,168	14.7	1,529.3	12.7

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
EXP-OTHER (19)	3,374	2,461	5.0	73.0	3.6	6,343,896	12.3	2,576.9	11.2
AEROSPAS355	98	58	28.9	59.6	17.2	285,416	34.5	4,883.6	18.9
AEROSPAS316	83	0	0.0	0.0	0.0	0	0.0	0.0	0.0
AGUSTAA109	71	62	9.6	87.4	8.4	110,581	16.1	1,781.4	12.8
AIRPTSA	184	79	17.1	43.2	7.4	161,210	21.6	2,027.1	13.3
AIRTRCAT300	411	357	9.0	87.1	7.8	1,326,269	10.8	3,705.2	6.0
AIRTRCAT400	248	206	10.9	83.2	9.1	250,899	21.0	1,216.3	18.0
AIRTRCAT500	146	134	13.1	91.8	12.0	129,125	35.1	963.4	32.6
AMDFALC10	109	103	5.2	95.0	4.9	521,933	9.5	5,042.2	7.9
AMDFALC20	176	162	7.0	92.2	6.5	1,155,377	17.1	7,122.7	15.6
AMDFALC50	174	115	16.5	66.6	11.0	268,692	22.1	2,318.3	14.7
AMRGENAG5B	119	110	6.9	92.9	6.5	62,605	18.5	566.1	17.2
ARCTICS1A	77	20	22.5	26.3	5.9	68,315	27.6	3,372.6	15.9
ARONCA15	189	151	14.1	80.0	11.3	400,781	16.7	2,652.2	8.9
ARONCA65	584	271	17.3	46.6	8.0	583,369	21.2	2,145.3	12.3
ARONCAC3	91	13	39.0	14.5	5.6	21,788	39.9	1,652.5	8.5
AYRESS2 (1)	661	535	10.7	81.0	8.7	3,169,116	16.6	5,920.6	12.7
AYRESS2 (6)	122	110	12.9	90.5	11.6	619,249	16.4	5,610.9	10.1

6-2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
BAGJETSTM	22	12	72.8	54.6	39.7	29,774	72.8	2,480.0	0.0
BBAVIA11	765	293	16.6	38.3	6.4	558,298	19.2	1,904.9	9.7
BBAVIA8	213	163	8.3	77.0	6.4	336,731	14.7	2,053.6	12.1
BEECH100	187	171	7.8	91.8	7.2	793,317	14.0	4,621.1	11.6
BEECH17	186	59	30.6	32.1	9.8	228,614	34.8	3,827.6	16.5
BEECH18	461	163	28.9	35.4	10.2	1,349,801	32.9	8,259.8	15.8
BEECH1900	124	67	58.3	54.6	31.8	397,467	61.8	5,873.6	20.5
BEECH1900D	63	17	*	27.3	31.0	12,170	*	708.0	*
BEECH200	744	656	7.5	88.2	6.6	2,713,636	14.0	4,135.1	11.8
BEECH23	2,439	2,036	5.4	83.5	4.5	5,984,444	11.4	2,938.1	10.0
BEECH300	234	121	22.1	52.1	11.5	189,368	25.5	1,554.7	12.8
BEECH33	2,069	1,815	4.0	87.7	3.5	5,573,250	8.4	3,070.2	7.4
BEECH35 (2)	6,257	5,198	3.8	83.1	3.1	21,399,714	5.1	4,116.7	3.4
BEECH35 (6)	92	70	20.5	76.4	15.7	22,430	60.7	318.9	57.1
BEECH36	2,393	2,150	4.1	89.9	3.7	5,512,479	10.6	2,563.7	9.8
BEECH45	341	163	21.9	48.1	10.6	696,684	24.9	4,248.2	11.7
BEECH50	227	87	25.5	38.7	9.9	601,470	28.3	6,855.3	12.2
BEECH55	2,044	1,508	8.6	73.8	6.3	4,707,474	11.2	3,120.2	7.2

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
BEECH56	50	33	18.5	67.0	12.4	91,259	21.8	2,724.6	11.6
BEECH58	1,487	1,140	7.9	76.7	6.0	3,374,956	11.4	2,959.9	8.3
BEECH60	368	315	12.1	85.6	10.4	887,033	18.6	2,814.6	14.1
BEECH65	100	20	*	20.1	22.3	72,812	*	3,617.1	25.0
BEECH76	255	209	7.1	82.3	5.8	645,560	10.6	3,077.3	7.8
BEECH77	207	155	14.1	74.9	10.5	400,468	27.3	2,583.0	23.4
BEECH80	108	76	19.5	70.4	13.8	470,055	23.6	6,183.8	13.3
BEECH90	1,074	887	8.8	82.6	7.2	3,885,443	14.4	4,378.5	11.5
BEECH95	409	294	9.2	72.0	6.6	1,254,104	11.3	4,257.1	6.6
BEECH99	50	26	31.7	53.1	16.8	282,637	33.9	10,639.6	12.0
BELL204	149	110	16.1	74.2	12.0	1,078,511	20.8	9,759.7	13.2
BELL206	1,464	1,128	7.8	77.1	6.0	8,585,918	15.9	7,607.9	13.8
BELL212	91	81	8.9	89.8	8.0	708,096	20.7	8,662.4	18.7
BELL222	74	63	10.3	85.8	8.8	212,451	20.8	3,346.8	18.1
BELL412	86	75	9.3	87.5	8.1	368,351	19.2	4,895.1	16.8
BELL47	1,087	375	17.0	34.5	5.9	2,371,601	19.1	6,316.7	8.7
BLANCA11	79	45	12.9	57.7	7.4	73,490	15.3	1,612.0	8.2
BLANCA1413	214	82	23.8	38.5	9.2	206,092	25.1	2,501.9	8.0

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
BLANCA1419	234	126	15.1	54.1	8.2	322,379	16.3	2,544.7	6.3
BLANCA17	928	780	7.7	84.1	6.4	1,420,547	10.3	1,820.9	6.9
BLANCA7 (1)	1,264	1,005	4.8	79.5	3.8	1,787,353	12.1	1,777.9	11.1
BLANCA7 (2)	26	7	80.6	27.6	22.2	8,886	82.3	1,239.3	16.5
BLANCA8	421	286	15.7	68.0	10.7	328,711	19.6	1,148.1	11.8
BLANKA/BBAV1	1,578	1,071	8.4	67.9	5.7	2,148,043	11.3	2,004.1	7.5
BHORMB2	45	43	7.4	96.4	7.1	255,386	30.4	5,884.3	29.4
BOEING75	1,810	685	11.4	37.9	4.3	2,690,201	13.8	3,922.3	7.8
BOLKMS105	133	119	13.9	89.6	12.4	698,418	18.6	5,863.0	12.4
BOLKMS117	129	113	14.7	87.7	12.9	239,667	28.6	2,119.0	24.5
BRAERODH125	138	131	5.6	95.0	5.3	268,791	11.4	2,051.0	9.9
CESSNA120	785	485	11.7	61.9	7.2	1,452,333	13.6	2,991.2	6.9
CESSNA140	2,156	1,219	11.8	56.6	6.7	2,982,840	14.2	2,445.3	8.0
CESSNA150	16,518	11,789	3.5	71.4	2.5	45,931,068	4.5	3,895.9	2.9
CESSNA170	2,306	1,612	8.3	69.9	5.8	5,398,116	9.0	3,348.5	3.7
CESSNA172	22,386	19,046	2.0	85.1	1.7	67,591,504	3.7	3,548.8	3.1
CESSNA175	1,194	900	9.0	75.4	6.8	2,366,285	11.1	2,628.4	6.5
CESSNA177	2,550	2,054	5.8	80.6	4.7	6,110,443	9.4	2,973.9	7.4

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
CESSNA180	2,581	1,949	6.1	75.5	4.6	6,500,303	8.0	3,333.7	5.2
CESSNA182	12,762	11,081	2.3	86.8	2.0	33,838,832	6.1	3,053.6	5.6
CESSNA185	1,499	1,133	6.6	75.6	5.0	3,505,623	11.0	3,092.8	8.8
CESSNA188	1,326	842	11.0	63.5	7.0	2,769,697	12.9	3,288.7	6.7
CESSNA190	74	28	29.3	38.6	11.3	94,751	30.9	3,313.4	10.1
CESSNA195	465	277	14.0	59.7	8.4	1,159,457	19.1	4,174.5	13.1
CESSNA205	219	183	6.7	83.9	5.6	691,582	9.1	3,764.4	6.1
CESSNA206	2,279	1,681	8.2	73.8	6.1	4,445,657	11.5	2,643.5	8.0
CESSNA207	148	104	31.6	70.3	22.2	662,675	45.8	6,365.3	33.2
CESSNA208	311	285	12.7	91.8	11.7	646,984	19.0	2,266.1	14.1
CESSNA210	5,180	4,436	3.8	85.6	3.2	11,713,236	5.3	2,640.3	3.7
CESSNA303	101	82	12.9	81.5	10.5	187,908	21.0	2,281.7	16.5
CESSNA305	278	138	16.4	49.9	8.2	869,934	18.4	6,274.7	8.2
CESSNA310	2,689	2,098	7.0	78.0	5.5	9,144,535	12.4	4,358.0	10.2
CESSNA320	223	121	18.1	54.3	9.8	532,392	19.0	4,396.8	5.6
CESSNA336	60	26	20.5	44.8	9.2	76,692	21.6	2,850.5	6.6
CESSNA337	856	574	13.3	67.1	8.9	1,402,522	15.8	2,442.0	8.6
CESSNA340	824	679	9.9	82.5	8.2	1,881,625	16.7	2,769.2	13.4

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
CESSNA401	153	129	10.8	84.8	9.2	495,443	16.8	3,816.5	12.8
CESSNA402	422	254	21.5	60.3	12.9	1,736,522	25.3	6,826.2	13.4
CESSNA421	974	970	1.2	99.7	1.2	2,720,726	7.5	2,802.4	7.4
CESSNA425	157	144	7.1	91.8	6.5	403,429	15.6	2,799.0	13.9
CESSNA441	199	142	15.4	71.7	11.1	503,424	16.9	3,525.8	6.9
CESSNA500	818	683	9.6	83.6	8.0	2,101,290	21.4	3,074.3	19.2
CESSNA501	262	240	7.6	91.6	7.0	807,129	12.4	3,362.5	9.7
CESSNA650	180	150	11.1	83.4	9.3	391,835	16.8	2,610.4	12.6
CESSNAT50	63	14	19.8	23.3	4.6	33,519	24.5	2,285.2	14.5
CHILDS1	241	188	9.7	78.1	7.5	64,056	22.0	340.3	19.8
CHILDS2	107	72	14.6	68.0	9.9	69,302	17.2	953.0	9.1
CHRISHUSKY	95	78	8.8	82.8	7.3	52,191	20.0	663.9	18.0
CNDAIRCL600	180	161	9.2	89.5	8.3	426,659	19.5	2,648.8	17.2
COMWTH185	80	31	23.4	39.9	9.3	51,971	24.8	1,628.3	8.3
CONAERLA4	391	335	7.0	85.7	6.0	462,975	12.3	1,381.1	10.2
CURTISTRVAIR	179	24	28.3	13.6	3.8	98,494	31.3	4,058.9	13.5
CVACBT/L13	139	48	19.6	35.0	6.8	134,375	25.7	2,765.9	16.7
DHAVDH82	65	45	13.1	69.5	9.1	137,838	16.6	3,052.5	10.2

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
DHAVDHC2	284	157	14.0	55.6	7.8	2,014,232	17.4	12,753.7	10.3
DHAVDHC6	77	24	43.6	31.5	13.7	339,271	48.5	14,009.5	21.2
DOUGDC3	188	93	28.5	49.6	14.1	1,422,244	32.5	15,251.5	15.7
EAGLEBAL	67	30	15.7	46.2	7.2	48,103	17.1	1,553.6	6.9
EMB110	44	7	51.8	17.0	8.8	58,343	56.3	7,784.3	22.1
ENSTRMF28 (12)	235	115	13.4	49.1	6.6	156,531	24.2	1,357.2	20.2
ENSTRMF28 (13)	102	80	6.6	79.2	5.2	142,905	14.0	1,769.6	12.4
FRCHLD24	232	45	28.1	19.7	5.5	87,336	30.7	1,908.5	12.5
FRCHLDM62	225	51	27.8	23.0	6.4	81,057	30.5	1,568.6	12.5
GRUMAVAA1	434	325	13.3	74.9	9.9	692,569	20.6	2,130.1	15.8
GRUMAVAA5	973	895	5.3	92.0	4.9	2,224,017	9.9	2,484.8	8.4
GRUMAVG164	484	252	26.5	52.1	13.8	955,562	28.0	3,788.6	9.0
GRUMAVG21	49	32	22.8	66.6	15.2	228,474	45.9	7,002.7	39.9
GULSTM112	586	492	7.7	84.0	6.5	1,078,930	19.9	2,192.8	18.3
GULSTM500	266	253	4.4	95.4	4.2	1,203,167	13.0	4,740.2	12.2
GULSTM560	77	69	14.1	90.7	12.8	288,511	22.7	4,132.3	17.8
GULSTM680	156	114	16.9	73.6	12.4	685,346	24.2	5,972.2	17.3
GULSTM680TP	55	38	26.1	70.2	18.3	158,825	27.5	4,115.7	8.5

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
GULSTM690TP	312	257	11.0	82.6	9.1	1,119,095	22.0	4,340.2	19.1
GULSTMAA1	497	411	7.0	82.9	5.8	682,176	10.6	1,656.6	7.9
GULSTMAA5	927	758	8.7	81.8	7.1	1,882,156	11.3	2,481.7	7.2
GULSTMG1159	459	343	16.7	74.9	12.5	1,511,575	24.4	4,398.0	17.9
GULSTMG159	69	36	25.3	52.9	13.4	309,677	27.0	8,486.3	9.3
GULSTMG44	80	49	14.0	62.0	8.7	392,799	17.8	7,915.7	10.9
GULSTMG47	51	41	10.4	81.5	8.5	106,546	13.2	2,564.0	8.1
HELIOH295	85	57	14.5	67.3	9.8	182,168	16.9	3,183.9	8.6
HILLERUH12	404	145	20.6	36.0	7.4	560,146	23.5	3,852.2	11.3
HUGHES269	552	280	19.3	50.8	9.8	921,851	30.6	3,289.9	23.7
HUGHES369 (12)	102	75	13.8	74.5	10.3	159,930	30.0	2,105.4	26.6
HUGHES369 (13)	587	449	11.9	76.6	9.1	2,928,240	20.0	6,514.0	16.1
HWKSLYDH125	350	318	6.3	91.1	5.7	1,122,955	16.8	3,521.6	15.6
HYNESB2	110	18	44.0	16.8	7.4	25,907	44.9	1,406.1	9.2
INTRCP200	52	29	20.0	56.7	11.3	67,921	21.1	2,304.7	6.8
ISRAEL1121	51	27	33.1	53.8	17.8	102,050	38.5	3,718.4	19.5
ISRAEL1124	250	235	6.6	94.2	6.3	587,704	14.2	2,496.2	12.5
JBMSTRDGA15	86	21	25.3	24.6	6.2	48,331	26.1	2,288.8	6.4

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
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 EXCLUDES COMMUTER AIRCRAFT

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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
LEAR24	107	89	14.8	83.8	12.4	633,927	18.7	7,071.0	11.4
LEAR25	112	103	11.2	92.1	10.4	610,651	22.2	5,919.9	19.2
LEAR35	446	421	6.3	94.6	6.0	2,053,397	12.9	4,867.8	11.2
LEAR55	101	95	8.0	95.0	7.6	315,328	14.9	3,287.6	12.5
LKHEED1329	71	39	24.1	55.8	13.5	212,993	25.0	5,372.8	6.3
LUSCOM8	1,904	837	14.4	44.0	6.3	1,986,150	16.7	2,372.9	8.4
MAULEN4	247	188	9.8	76.4	7.5	330,769	13.5	1,752.9	9.3
MAULEN5	439	397	7.3	90.5	6.6	520,016	16.8	1,308.8	15.1
MAULEN6	87	80	9.4	92.3	8.6	68,093	25.7	847.6	23.9
MAULEN7	123	113	4.8	92.7	4.4	58,239	15.5	510.9	14.8
MCLISHFUNKB	136	57	17.3	41.9	7.3	117,243	20.6	2,055.3	11.2
MILITARY204	162	59	14.5	36.9	5.4	500,899	16.0	8,375.3	6.8
MNCOLUP90	50	11	24.6	22.6	5.6	28,409	33.1	2,517.9	22.2
MNNITEM18	118	52	25.1	44.9	11.3	68,084	30.0	1,285.7	16.5
MOONEYM20	6,012	5,194	3.2	86.4	2.8	13,853,107	5.4	2,667.0	4.3
MTSBSIMU2	356	203	25.4	57.2	14.6	862,040	29.7	4,230.6	15.3
MTSBSIMU300	70	63	7.6	91.2	6.9	141,679	11.3	2,220.3	8.4
NAMERT28	184	92	19.0	50.1	9.5	979,925	21.9	10,620.6	10.8

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
NAMERT6	202	129	18.6	64.0	11.9	878,743	25.2	6,792.7	17.0
NAVIONNAVION	1,107	723	9.9	65.4	6.5	2,518,217	13.7	3,478.5	9.5
NOR#ST65	63	39	21.6	62.8	13.6	100,647	23.2	2,542.2	8.5
PIPER600	363	299	11.0	82.4	9.1	765,927	13.4	2,559.2	7.6
PIPER602	258	211	11.5	81.9	9.4	397,477	13.8	1,880.9	7.7
PIPERJ3	3,981	2,028	8.0	51.0	4.1	5,851,533	10.7	2,884.2	7.1
PIPERJ4	210	44	23.6	21.0	5.0	98,551	26.2	2,231.1	11.3
PIPERJ5	288	140	14.4	48.6	7.0	362,721	18.6	2,590.3	11.8
PIPERPA14	96	44	54.1	46.4	25.1	181,185	56.1	4,067.1	14.5
PIPERPA15	163	81	18.5	50.0	9.3	138,991	22.8	1,705.7	13.3
PIPERPA16	320	112	31.0	35.3	10.9	249,817	33.1	2,212.9	11.7
PIPERPA17	96	58	15.0	61.3	9.2	109,008	19.5	1,853.1	12.5
PIPERPA18	3,430	2,126	9.8	62.0	6.1	6,456,674	13.7	3,035.9	9.6
PIPERPA20	416	254	15.1	61.1	9.2	874,650	23.4	3,438.9	17.9
PIPERPA22 (1)	863	561	14.5	65.1	9.4	1,256,171	17.3	2,236.0	9.5
PIPERPA22 (2)	3,341	2,030	8.4	60.8	5.1	5,531,171	9.3	2,724.5	3.9
PIPERPA23	2,795	1,716	10.4	61.4	6.4	7,213,893	12.5	4,202.3	7.0
PIPERPA24	2,886	2,498	4.4	86.6	3.8	9,285,826	6.1	3,716.0	4.2

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
 BY AIRCRAFT MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
PIPERPA25	952	665	10.1	69.9	7.1	2,551,211	12.5	3,833.8	7.3
PIPERPA28 (1)	5,597	4,221	4.8	75.4	3.6	13,227,992	6.2	3,133.3	3.9
PIPERPA28 (2)	14,499	12,751	2.1	87.9	1.8	42,261,064	3.6	3,314.1	3.0
PIPERPA30	1,127	882	7.8	78.3	6.1	3,944,264	10.0	4,469.1	6.4
PIPERPA31 (3)	117	89	13.8	76.5	10.6	261,505	18.0	2,920.5	11.5
PIPERPA31 (4)	755	722	4.5	95.6	4.3	2,491,854	18.0	3,450.8	17.4
PIPERPA31T	450	373	10.1	83.1	8.4	1,085,026	12.1	2,902.7	6.7
PIPERPA32	3,812	3,210	4.6	84.2	3.9	8,834,065	7.7	2,751.9	6.1
PIPERPA34	1,507	1,443	3.5	95.8	3.4	3,799,778	8.6	2,632.1	7.9
PIPERPA36	260	215	14.7	82.9	12.2	550,032	19.1	2,553.2	12.1
PIPERPA38	972	743	10.0	76.5	7.7	2,900,128	13.6	3,898.2	9.2
PIPERPA42	87	73	11.2	84.7	9.5	168,530	14.8	2,285.9	9.8
PIPERPA44	271	232	11.4	85.9	9.8	889,925	16.7	3,824.1	12.1
PIPERPA46	374	350	5.0	93.8	4.7	563,092	9.8	1,604.3	8.4
RKHELLNA265	260	211	9.6	81.4	7.8	1,067,240	12.8	5,044.7	8.5
ROBSINR22	660	470	6.9	71.2	4.9	551,040	12.0	1,172.0	9.8
SCWZERG164	792	397	26.0	50.2	13.0	1,813,113	27.7	4,562.2	9.5
SKRSKYS58	57	8	86.6	15.6	13.5	40,799	87.5	4,583.2	12.8

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
SKRSKY76	111	86	23.7	78.3	18.6	247,364	47.2	2,844.9	40.8
SLINDS100	269	210	12.4	78.4	9.7	358,506	15.4	1,699.4	9.0
SNIAS350	262	227	9.5	86.9	8.3	965,010	17.7	4,237.4	14.9
SOCATATB10	59	53	9.4	90.4	8.5	54,353	18.3	1,018.7	15.8
SOCATATB20	163	118	19.6	73.0	14.3	127,366	24.7	1,071.1	15.0
STNSON10	132	19	28.0	14.8	4.2	30,469	29.0	1,556.3	7.7
STNSONL5	118	38	16.8	33.0	5.5	77,325	17.8	1,985.5	6.0
STNSONV77	108	33	23.9	31.2	7.5	51,419	25.6	1,524.2	9.0
STOLAMRC3	206	73	17.2	35.8	6.2	139,060	29.6	1,886.3	24.1
SHRNGNSA226	141	91	11.1	64.7	7.2	483,443	14.7	5,086.7	6.7
SHRNGNSA227	118	57	46.3	48.8	22.6	253,035	51.4	4,397.3	22.4
SHRNGNSA26	65	57	13.8	88.6	12.2	304,340	17.6	5,287.2	11.0
TCRAFKD	272	91	15.7	33.7	5.3	149,728	19.2	1,631.8	11.0
TCRAFT19	110	85	9.6	77.5	7.5	71,666	16.1	840.1	12.9
TCRAFTBC	1,673	759	14.8	45.4	6.7	2,114,548	17.2	2,782.8	8.7
TCRAFTBL	194	69	13.8	35.7	4.9	143,018	16.4	2,066.5	8.8
TH55	60	29	15.6	48.5	7.5	209,315	19.5	7,193.0	11.8
UNIVACGC1	451	197	17.7	43.7	7.7	410,998	18.5	2,084.7	5.3

6.2 1993 GENERAL AVIATION TOTAL AND AVERAGE AIRFRAME HOURS PER ACTIVE AIRCRAFT
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MANUFACTURER/ MODEL GROUP	AIRCRAFT POPULATION SIZE	ESTIMATE OF NUMBER ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	PERCENT STANDARD ERROR	ESTIMATE OF TOTAL AIRFRAME HOURS	PERCENT STANDARD ERROR	ESTIMATE AVERAGE AIRFRAME HOURS	PERCENT STANDARD ERROR
UNIVAR108	1,803	763	12.8	42.4	5.4	2,023,643	13.9	2,649.2	5.4
UNIVAR415	2,171	1,157	11.8	53.3	6.3	1,971,737	13.5	1,704.1	6.6
VARGA2150	123	100	11.4	81.7	9.4	105,746	17.4	1,052.0	13.1
WACO	563	205	15.7	36.4	5.7	480,194	18.9	2,337.6	10.0
WTHRLY201	53	34	20.6	65.7	13.5	127,275	23.0	3,655.8	10.2
TOTAL	245,971	176,006	0.7	71.6	0.5	543,844,160	1.2	3,058.6	0.9

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.
 NUMBER IN PARENTHESES FOLLOWING GROUP NAME INDICATES THE AIRCRAFT TYPE TO WHICH THESE AIRCRAFT BELONG. SEE
 THE FOLLOWING PAGE FOR A DESCRIPTION OF THESE AIRCRAFT TYPES. FOR ADDITIONAL INFORMATION, SEE APPENDIX B FOR AIRCRAFT
 GROUP NAMES AND FAA MANUFACTURER/MODEL CODES.

AIRCRAFT DEFINITIONS AND TYPES USED FOR THE GENERAL AVIATION SURVEY

AIRCRAFT TYPE DEFINITION	AIRCRAFT TYPE
FIXED-WING PISTON: 1 ENGINE - 1-3 SEATS	(1)
FIXED-WING PISTON: 1 ENGINE 4 + SEATS	(2)
FIXED-WING PISTON: 2 ENGINE - 1-6 SEATS	(3)
FIXED-WING PISTON: 2 ENGINE - 7 + SEATS	(4)
FIXED-WING PISTON: OTHER	(5)
FIXED WING-TURBOPROP: 1 ENGINE	(6)
FIXED WING-TURBOPROP: 2 ENGINE - 1-12 SEATS	(7)
FIXED WING-TURBOPROP: 2 ENGINE - 13 + SEATS	(8)
FIXED WING-TURBOPROP: OTHER	(9)
FIXED WING - TURBOJET: 2 ENG	(10)
FIXED WING - TURBOJET: OTHER	(11)
ROTORCRAFT: PISTON	(12)
ROTORCRAFT: 1 ENGINE - TURBINE	(13)
ROTORCRAFT: MULTI-ENGINE - TURBINE	(14)
OTHER AIRCRAFT: GLIDERS	(15)
OTHER AIRCRAFT: LIGHTER-THAN-AIR	(16)
OTHER AIRCRAFT: EXPERIMENTAL - HOME BUILT	(17)
OTHER AIRCRAFT: EXPERIMENTAL - EXHIBITION	(18)
OTHER AIRCRAFT: EXPERIMENTAL - OTHER	(19)

6.3 1993 NUMBER OF ENGINES ON ACTIVE GENERAL AVIATION AIRCRAFT AND AVERAGE HOURS PER ENGINE
 BY ENGINE MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

ENGINE MANUFACTURER/ MODEL GROUP	ESTIMATE OF ACTIVE ENGINES	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
OTHER	30,830	1.6	75.9	161	3.0
ALLSN 250C	906	8.9	76.4	544	12.7
ALLSN 501D	47	24.6	42.8	225	12.6
AMTR 430	8	*	6.9	6	*
AMTR AMTR	18,407	2.8	59.3	179	4.5
ARSRCHTPE331	252	10.9	77.2	161	10.8
CONT 6285	79	22.6	78.3	131	14.3
CONT A40	15	73.4	13.3	8	47.1
CONT A50	7	*	20.6	48	31.2
CONT A65	4,294	5.7	48.0	41	7.2
CONT A75	939	14.0	50.3	38	17.5
CONT A80	35	50.8	48.0	42	13.1
CONT C125	114	30.3	34.5	51	17.5
CONT C145	1,477	8.3	71.1	64	10.7
CONT C85	3,002	6.9	54.1	45	9.8
CONT C90	1,382	8.6	57.6	44	9.9
CONT E185	1,367	8.7	76.4	48	11.0

6.3 1993 NUMBER OF ENGINES ON ACTIVE GENERAL AVIATION AIRCRAFT AND AVERAGE HOURS PER ENGINE
 BY ENGINE MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 6

ENGINE MANUFACTURER/ MODEL GROUP	ESTIMATE OF ACTIVE ENGINES	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
CONT E225	1,011	9.6	74.5	84	15.0
CONT O200	9,167	4.0	70.5	106	9.3
CONT O300	6,658	3.6	82.3	70	8.3
CONT O346	199	20.5	75.3	59	32.4
CONT O360	2,164	6.6	72.5	173	27.3
CONT O470	12,733	2.2	84.4	101	5.8
CONT O520	19,358	1.9	81.0	164	3.5
CONT R670	82	20.9	51.1	33	49.8
DHAYXGIPSY	60	10.9	67.5	39	17.5
FCD 6440	92	21.3	28.2	35	17.5
FRNKLN4AC150	0	*	2.8	97	48.3
FRNKLN4AC176	77	33.0	48.3	13	15.2
FRNKLN4AC199	27	39.3	19.8	42	24.5
FRNKLN6A4150	277	21.5	30.9	44	14.6
FRNKLN6A4165	504	14.6	51.1	51	15.3
FRNKLN6A4200	1	*	5.9	214	42.3
FRNKLN6A8215	98	19.9	58.5	50	12.4
FRNKLN6AV335	52	33.0	35.4	44	19.3

6.3 1993 NUMBER OF ENGINES ON ACTIVE GENERAL AVIATION AIRCRAFT AND AVERAGE HOURS PER ENGINE
 BY ENGINE MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

PAGE 3 OF 6

ENGINE MANUFACTURER/ MODEL GROUP	ESTIMATE OF ACTIVE ENGINES	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
FRKLN6AV350	160	12.8	79.0	70	19.3
FRKLN6V4	57	35.8	36.7	129	45.6
GARRTTATF3	28	15.7	95.0	318	0.0
GARRTTTF731	509	6.3	84.3	240	9.8
GARRTTTPE331	1,199	7.1	69.0	203	8.0
GE CF34	167	6.8	95.0	419	6.3
GE CF700	264	5.3	92.3	235	8.9
GE CJ610	554	6.3	91.9	393	8.7
GE CT58	40	9.5	70.4	2,034	8.3
GLADENB5	18	80.3	26.3	17	34.2
GLADENK5	9	45.9	24.1	18	*
GLADENR5	118	10.4	69.9	23	21.5
JACOBPR755	256	14.4	59.7	59	11.8
JACOB SR755	106	16.6	32.7	46	18.8
JACOB SR915	43	29.3	63.5	9	34.0
LYC ALF502	64	9.0	95.0	282	5.3
LYC LTS101	238	7.6	88.9	428	13.8
LYC O145	283	17.2	39.3	28	14.4

6.3 1993 NUMBER OF ENGINES ON ACTIVE GENERAL AVIATION AIRCRAFT AND AVERAGE HOURS PER ENGINE
 BY ENGINE MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

PAGE 4 OF 6

ENGINE MANUFACTURER/ MODEL GROUP	ESTIMATE OF ACTIVE ENGINES	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
LYC 0235	7,210	3.9	71.4	221	7.1
LYC 0290	1,619	11.0	55.0	45	11.7
LYC 0320	28,839	1.8	78.3	153	5.9
LYC 0340	65	33.6	60.0	28	23.7
LYC 0360	18,634	1.9	82.3	135	5.5
LYC 0435	14	79.1	10.8	36	29.4
LYC 0480	539	9.2	53.9	82	9.8
LYC 0540	12,955	2.6	79.4	137	5.3
LYC 0541	798	5.9	80.3	115	14.1
LYC 0720	186	12.1	88.9	149	23.6
LYC R680	71	30.0	38.2	74	51.8
LYC T53	17	22.7	73.2	204	14.1
PWA JT12	136	19.7	52.4	203	13.0
PWA JT15	1,093	4.2	91.4	276	6.6
PWA JT8	7	56.4	20.9	14	0.0
PWA PT6	3,288	4.5	79.9	297	6.3

6.3 1993 NUMBER OF ENGINES ON ACTIVE GENERAL AVIATION AIRCRAFT AND AVERAGE HOURS PER ENGINE
 BY ENGINE MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

PAGE 5 OF 6

ENGINE MANUFACTURER/ MODEL GROUP	ESTIMATE OF ACTIVE ENGINES	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
PWA PT6T	69	8.3	90.3	608	15.2
PWA R1340	1,484	8.7	66.8	206	9.6
PWA R1830	52	53.8	14.6	188	21.1
PWA R2000	14	38.7	24.5	102	22.6
PWA R2800	20	*	8.8	22	34.4
PWA R985	1,194	9.1	39.9	153	9.4
ROTAX 277	23	26.1	87.1	258	0.0
RROYCEDART	65	17.5	45.1	238	10.5
RROYCESPEY	437	7.2	93.8	395	14.8
RROYCEVIPER	126	7.3	95.0	204	33.1
TMECA ARRIEL	233	7.1	88.4	621	18.3
TMECA ARTST3	0	0.0	0.0	0	0.0
TMECA MARBOR	75	18.1	87.2	15	39.7
WARNER165	39	30.6	31.5	32	33.9
WRIGHTOX5	8	81.2	12.3	14	25.4

6.3 1993 NUMBER OF ENGINES ON ACTIVE GENERAL AVIATION AIRCRAFT AND AVERAGE HOURS PER ENGINE
 BY ENGINE MANUFACTURER/MODEL GROUP
 EXCLUDES COMMUTER AIRCRAFT

PAGE 6 OF 6

ENGINE MANUFACTURER/ MODEL GROUP	ESTIMATE OF ACTIVE ENGINES	PERCENT STANDARD ERROR	ESTIMATE OF PERCENT ACTIVE	ESTIMATE OF AVERAGE HOURS	PERCENT STANDARD ERROR
WRIGHTR1300	28	23.6	79.5	177	44.0
WRIGHTR1820	189	13.1	79.1	112	30.5
WRIGHTR2600	44	9.4	84.8	33	20.8
WRIGHTR760	25	28.0	28.6	37	16.7
WRIGHTR975	4	*	5.8	13	20.2
WSK PZL	30	14.6	91.9	327	29.0
XENOAHG72	11	66.8	50.7	5	*
ALL ENGINES	208,419	0.9	75.5	144	1.6

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF
 100.0 OR GREATER.
 ENGINE MANUFACTURER/MODEL GROUPS FOR WHICH SEPARATE ESTIMATES ARE NOT AVAILABLE ARE NOT
 LISTED IN THE TABLE, BUT ARE INCLUDED IN THE "ALL ENGINES" ESTIMATES. FOR ADDITIONAL
 INFORMATION, SEE APPENDIX C FOR ENGINE GROUP NAMES AND FAA MANUFACTURER/MODEL CODES.

CHAPTER VII

AVIONICS FOR NON-COMMUTER AIRCRAFT

7.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS							NO VHF		
	AIRCRAFT HAS ELECTRICAL SYSTEM	AIRCRAFT HAS PORT	360 CH FXD	360 CH PORT	720 CH FXD	720 CH PORT	720 CH FXD	720 CH PORT	1+ SYS		HF RADIO	COCKPIT VCE REC
FIXED WING												
FIXED WING - PISTON												
1 ENG: 1-3 SEATS												
ESTIMATED POPULATION	44,000	2,664	17,224	8,208	20,599	13,560	3,055	155	15,920			
% STANDARD ERROR	1.2	10.9	3.7	6.0	3.2	4.3	11.1	48.7	3.4			
% WITH CAPABILITY	64.0	3.9	25.1	11.9	30.0	19.7	4.4	0.2	23.2			
1 ENG: 4+ SEATS												
ESTIMATED POPULATION	101,836	3,177	39,147	15,104	74,780	82,197	10,735	1,023	4,048			
% STANDARD ERROR	0.5	10.7	2.6	4.8	1.2	1.0	5.8	19.8	8.8			
% WITH CAPABILITY	93.4	2.9	35.9	13.8	68.6	75.4	9.8	0.9	3.7			
1 ENGINE: TOTAL												
ESTIMATED POPULATION	145,836	5,841	56,371	23,312	95,379	95,757	13,790	1,178	19,968			
% STANDARD ERROR	0.5	7.7	2.1	3.7	1.2	1.1	5.2	18.3	3.2			
% WITH CAPABILITY	82.0	3.3	31.7	13.1	53.6	53.9	7.8	0.7	11.2			
2 ENG: 1-6 SEATS												
ESTIMATED POPULATION	13,571	563	4,490	1,555	11,093	12,524	1,135	27	252			
% STANDARD ERROR	1.6	23.4	7.2	14.1	2.8	2.1	16.0	73.5	24.3			
% WITH CAPABILITY	89.6	3.7	29.6	10.3	73.2	82.7	7.5	0.2	1.7			
2 ENG: 7+ SEATS												
ESTIMATED POPULATION	5,593	60	1,504	411	4,455	4,682	634	9	328			
% STANDARD ERROR	2.1	63.9	11.7	25.2	3.9	3.8	19.7	*	25.6			
% WITH CAPABILITY	88.9	1.0	23.9	6.5	70.8	74.4	10.1	0.1	5.2			
2 ENGINE: TOTAL												
ESTIMATED POPULATION	19,163	623	5,994	1,966	15,548	17,206	1,769	36	581			
% STANDARD ERROR	1.3	22.1	6.2	12.3	2.3	1.8	12.5	67.9	17.9			
% WITH CAPABILITY	89.4	2.9	28.0	9.2	72.5	80.3	8.3	0.2	2.7			

7.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS						
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
PISTON: OTHER	48	0	20	0	23	14	7	0	9
ESTIMATED POPULATION	19.5	0.0	38.6	0.0	35.0	47.1	71.3	0.0	62.0
% STANDARD ERROR	51.3	0.0	21.1	0.0	24.5	15.2	7.3	0.0	9.4
% WITH CAPABILITY									
PISTON: TOTAL	165,048	6,464	62,385	25,278	110,950	112,977	15,566	1,214	20,557
ESTIMATED POPULATION	0.5	7.3	2.0	3.6	1.1	0.9	4.8	17.9	3.2
% STANDARD ERROR	82.8	3.2	31.3	12.7	55.7	56.7	7.8	0.6	10.3
% WITH CAPABILITY									
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL	687	8	29	36	563	480	108	0	124
ESTIMATED POPULATION	5.0	*	61.0	56.0	7.5	6.8	37.5	0.0	31.2
% STANDARD ERROR	90.5	1.1	3.8	4.8	74.3	63.2	14.2	0.0	16.3
% WITH CAPABILITY									
2 ENG: 1-12 SEATS	3,567	137	770	231	3,235	3,426	267	85	66
ESTIMATED POPULATION	2.3	39.4	16.1	26.3	3.6	2.7	29.3	50.2	64.1
% STANDARD ERROR	91.0	3.5	19.7	5.9	82.6	87.4	6.8	2.2	1.7
% WITH CAPABILITY									
2 ENG: 13+ SEATS	559	7	84	18	400	429	109	115	4
ESTIMATED POPULATION	4.5	78.4	28.1	58.1	6.8	6.1	24.2	32.8	*
% STANDARD ERROR	100.0	1.3	16.0	3.4	76.5	82.0	20.8	22.0	0.7
% WITH CAPABILITY									
2 ENGINE: TOTAL	4,126	144	854	249	3,634	3,855	376	200	70
ESTIMATED POPULATION	2.1	37.8	14.8	24.8	3.3	2.5	22.0	28.5	61.2
% STANDARD ERROR	92.9	3.2	19.2	5.6	81.8	86.8	8.5	4.5	1.6
% WITH CAPABILITY									

7.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AIRCRAFT HAS ELECTRICAL SYSTEM		360 CH PORT		360 CH FXD		720 CH PORT		720 CH FXD		1+ SYS		HF RADIO		COCKPIT VCE REC		NO VHF	
	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY
TURBOPROP: OTHER	37	0.0	0.0	0	0.0	0.0	0	0.0	0.0	20	47.4	20	6	98.1	0	0.0	17	52.3
ESTIMATED POPULATION	28.3																	
% STANDARD ERROR	52.1																	
% WITH CAPABILITY																		
TURBOPROP: TOTAL	4,850	152	883	285	4,217	4,354	489	200	211	4,354	4,354	489	200	211	200	211	211	211
ESTIMATED POPULATION	1.9	36.5	14.4	22.8	3.0	2.4	18.8	28.5	27.7	2.4	18.8	28.5	27.7	27.7	28.5	27.7	27.7	27.7
% STANDARD ERROR	92.0	2.9	16.7	5.4	80.0	82.6	9.3	3.8	4.0	82.6	82.6	9.3	3.8	4.0	3.8	4.0	4.0	4.0
% WITH CAPABILITY																		
FIXED WING - TURBOJET																		
2 ENGINE TURBOJET	3,874	44	622	303	3,628	3,872	2,041	3,245	51	3,872	3,872	2,041	3,245	38.7	3,245	38.7	38.7	38.7
ESTIMATED POPULATION	2.2	64.8	16.6	25.1	2.9	2.2	5.0	3.5	1.2	2.2	2.2	5.0	3.5	3.5	3.5	3.5	3.5	3.5
% STANDARD ERROR	91.2	1.0	14.6	7.1	85.4	91.2	48.1	76.4	1.2	91.2	91.2	48.1	76.4	76.4	76.4	76.4	76.4	76.4
% WITH CAPABILITY																		
TURBOJET: OTHER	331	12	62	14	269	277	249	245	32	277	277	249	245	32	245	32	32	32
ESTIMATED POPULATION	3.1	65.2	27.0	76.2	5.4	3.1	3.3	3.2	17.3	3.1	3.1	3.3	3.2	17.3	3.2	17.3	17.3	17.3
% STANDARD ERROR	76.6	2.8	14.3	3.1	62.2	64.0	57.5	56.6	7.5	64.0	64.0	57.5	56.6	7.5	56.6	7.5	7.5	7.5
% WITH CAPABILITY																		
TURBOJET: TOTAL	4,206	56	684	316	3,897	4,149	2,290	3,490	84	4,149	4,149	2,290	3,490	24.7	3,490	24.7	24.7	24.7
ESTIMATED POPULATION	2.0	52.8	15.3	24.2	2.7	2.0	4.5	3.3	1.8	2.0	2.0	4.5	3.3	3.3	3.3	3.3	3.3	3.3
% STANDARD ERROR	89.9	1.2	14.6	6.8	83.3	88.7	48.9	74.6	1.8	88.7	88.7	48.9	74.6	74.6	74.6	74.6	74.6	74.6
% WITH CAPABILITY																		
FIXED WING: TOTAL	174,103	6,672	63,952	25,879	119,064	121,481	18,345	4,904	20,852	121,481	121,481	18,345	4,904	20,852	4,904	20,852	20,852	20,852
ESTIMATED POPULATION	0.5	7.1	2.0	3.5	1.0	0.9	4.1	5.1	3.1	0.9	0.9	4.1	5.1	5.1	5.1	5.1	5.1	5.1
% STANDARD ERROR	83.2	3.2	30.6	12.4	56.9	58.0	8.8	2.3	10.0	58.0	58.0	8.8	2.3	2.3	2.3	2.3	2.3	2.3
% WITH CAPABILITY																		

7.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS						
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
ROTORCRAFT									
PISTON									
ESTIMATED POPULATION	2,750	89	1,040	79	1,265	539	267	2	834
% STANDARD ERROR	3.7	38.1	9.3	35.5	7.4	13.5	19.4	*	10.6
% WITH CAPABILITY	64.7	2.1	24.5	1.9	29.7	12.7	6.3	0.0	19.6
1 ENG: TURBINE									
ESTIMATED POPULATION	2,421	17	632	41	1,781	1,669	358	1	282
% STANDARD ERROR	2.8	*	15.7	56.5	5.9	6.7	23.4	*	23.4
% WITH CAPABILITY	85.1	0.6	22.2	1.4	62.6	58.7	12.6	0.0	9.9
MULTI-ENG: TURBINE									
ESTIMATED POPULATION	723	3	205	7	576	639	109	102	60
% STANDARD ERROR	3.3	*	18.1	80.0	6.4	5.1	28.6	19.3	42.5
% WITH CAPABILITY	90.1	0.4	25.5	0.8	71.7	79.7	13.6	12.7	7.4
TURBINE TOTAL:									
ESTIMATED POPULATION	3,144	20	837	47	2,357	2,308	466	103	341
% STANDARD ERROR	2.3	88.0	12.7	49.9	4.7	5.0	19.1	19.1	20.7
% WITH CAPABILITY	86.2	0.5	23.0	1.3	64.6	63.3	12.8	2.8	9.4
ROTORCRAFT: TOTAL									
ESTIMATED POPULATION	5,894	109	1,877	127	3,621	2,847	734	105	1,175
% STANDARD ERROR	2.1	35.1	7.6	29.0	4.0	4.8	14.1	19.2	9.6
% WITH CAPABILITY	74.6	1.4	23.8	1.6	45.8	36.0	9.3	1.3	14.9
OTHER AIRCRAFT									
GLIDERS:									
ESTIMATED POPULATION	1,043	164	343	444	677	190	38	0	758
% STANDARD ERROR	10.7	33.2	22.1	19.0	14.6	30.6	70.2	0.0	13.5
% WITH CAPABILITY	37.8	5.9	12.4	16.1	24.6	6.9	1.4	0.0	27.5

7.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 5 OF 5

AIRCRAFT TYPE	AIRCRAFT HAS ELECTRICAL SYSTEM		360 CH PORT		360 CH FXD		720 CH PORT		720 CH FXD		1+ SYS		HF RADIO		COCKPIT VCE REC		NO VHF	
	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY	ESTIMATED POPULATION	% STANDARD ERROR	% WITH CAPABILITY
LIGHTER-THAN-AIR:																		
ESTIMATED POPULATION	591			1,741			0	1,741		72		697		482		0		2,257
% STANDARD ERROR	22.8			11.6			0.0	11.6		68.8		20.7		25.5		0.0		9.5
% WITH CAPABILITY	10.8			31.7			0.0	31.7		1.3		12.7		8.8		0.0		41.1
EXPERIMENTAL																		
HOME-BUILT:																		
ESTIMATED POPULATION	6,911			2,570			1,770	2,570		3,330		1,282		324		43		2,807
% STANDARD ERROR	5.8			12.6			15.8	12.6		10.7		19.0		39.3		*		11.9
% WITH CAPABILITY	54.5			20.3			14.0	20.3		26.3		10.1		2.6		0.3		22.1
EXHIBITION:																		
ESTIMATED POPULATION	1,299			413			459	413		664		219		12		7		490
% STANDARD ERROR	9.5			21.7			20.4	21.7		16.1		31.1		*		*		19.6
% WITH CAPABILITY	49.6			15.8			17.5	15.8		25.4		8.4		0.5		0.2		18.7
OTHER:																		
ESTIMATED POPULATION	2,565			150			942	150		1,579		1,269		216		62		421
% STANDARD ERROR	4.3			37.3			12.9	37.3		8.5		10.3		30.8		59.1		21.3
% WITH CAPABILITY	78.0			4.6			28.6	4.6		48.0		38.6		6.6		1.9		12.8
TOTAL ALL AIRCRAFT	192,407			31,324			69,343	31,324		129,007		127,985		20,152		5,120		28,761
ESTIMATED POPULATION	0.5			3.2			1.9	3.2		1.0		0.9		3.9		5.1		2.8
% STANDARD ERROR	78.9			12.8			28.4	12.8		52.9		52.5		8.3		2.1		11.8

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.2 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMPUTER AIRCRAFT

PRIMARY USE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS							
	AIRCRAFT HAS ELECTRICAL SYSTEM		360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
EXECUTIVE										
ESTIMATED POPULATION	10,407		336	2,447	895	9,035	9,844	2,572	3,062	63
% STANDARD ERROR	3.7		28.9	10.2	16.8	4.0	3.7	6.6	3.9	53.6
% WITH CAPABILITY	98.9		3.2	23.3	8.5	85.9	93.6	24.4	29.1	0.6
BUSINESS										
ESTIMATED POPULATION	31,854		1,340	10,831	5,370	24,979	26,723	3,418	262	1,212
% STANDARD ERROR	3.0		16.5	5.7	8.4	3.5	3.3	10.2	35.9	18.9
% WITH CAPABILITY	96.0		4.0	32.6	16.2	75.3	80.5	10.3	0.8	3.7
PERSONAL										
ESTIMATED POPULATION	103,192		5,465	40,568	23,079	69,301	67,690	9,328	898	11,705
% STANDARD ERROR	1.3		8.5	2.8	4.0	1.9	1.8	6.5	21.2	5.3
% WITH CAPABILITY	85.1		4.5	33.5	19.0	57.2	55.9	7.7	0.7	9.7
INSTRUCTIONAL										
ESTIMATED POPULATION	14,489		202	4,380	531	11,126	7,801	1,235	50	506
% STANDARD ERROR	4.9		46.9	9.8	27.4	5.7	7.1	19.7	83.8	27.8
% WITH CAPABILITY	95.1		1.3	28.8	3.5	73.0	51.2	8.1	0.3	3.3
AERIAL APPLICATION										
ESTIMATED POPULATION	4,216		53	448	132	1,060	778	503	8	3,699
% STANDARD ERROR	6.2		60.9	27.1	44.3	14.7	16.9	21.3	92.0	6.0
% WITH CAPABILITY	76.4		1.0	8.1	2.4	19.2	14.1	9.1	0.2	67.0
AERIAL OBSERVATION										
ESTIMATED POPULATION	4,636		71	1,252	634	3,536	3,373	766	46	380
% STANDARD ERROR	8.5		72.4	16.2	25.5	9.8	10.1	22.0	77.1	34.7
% WITH CAPABILITY	93.3		1.4	25.2	12.8	71.2	67.9	15.4	0.9	7.6
SIGHT SEEING										
ESTIMATED POPULATION	802		21	334	410	550	528	341	5	218
% STANDARD ERROR	19.2		*	30.9	30.5	23.3	26.6	32.5	44.7	39.5
% WITH CAPABILITY	47.6		1.2	19.8	24.3	32.6	31.4	20.3	0.3	13.0

7.2 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
BY PRIMARY USE
EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 2

PRIMARY USE	AIRCRAFT HAS ELECTRICAL SYSTEM		360 CH PORT		360 CH FXD		720 CH PORT		720 CH FXD		1+ SYS		HF RADIO VCE REC		NO VHF	
	AIRCRAFT SYSTEMS	AIRCRAFT ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO VCE REC	NO VHF							
EXTERNAL LOAD																
ESTIMATED POPULATION	163	6	27	148	9	149	4	2	0							
% STANDARD ERROR	29.1	91.4	67.2	31.2	87.3	30.7	83.5	*	0.0							
% WITH CAPABILITY	97.2	3.3	16.0	88.0	5.2	88.6	2.1	1.0	0.0							
OTHER WORK USE																
ESTIMATED POPULATION	985	115	300	759	315	437	69	3	100							
% STANDARD ERROR	17.1	40.0	29.4	20.6	35.0	26.1	73.4	*	50.7							
% WITH CAPABILITY	83.9	9.8	25.5	64.6	26.8	37.2	5.9	0.3	8.5							
AIR TAXI																
ESTIMATED POPULATION	3,820	16	774	3,332	80	3,269	312	205	135							
% STANDARD ERROR	7.5	*	18.6	8.3	49.3	8.0	25.4	24.6	40.5							
% WITH CAPABILITY	96.9	0.4	19.6	84.5	2.0	82.9	7.9	5.2	3.4							
OTHER																
ESTIMATED POPULATION	3,742	258	1,304	2,681	451	2,409	570	125	517							
% STANDARD ERROR	9.4	42.5	16.2	11.4	31.4	11.7	24.1	33.6	30.9							
% WITH CAPABILITY	80.3	5.5	28.0	57.5	9.7	51.7	12.2	2.7	11.1							
INACTIVE																
ESTIMATED POPULATION	17,451	877	8,133	6,780	1,938	7,640	1,528	239	7,676							
% STANDARD ERROR	2.7	15.3	5.1	5.8	10.7	5.3	13.6	25.1	4.2							
% WITH CAPABILITY	74.8	3.8	34.8	29.0	8.3	32.7	6.5	1.0	32.9							
TOTAL ALL AIRCRAFT																
ESTIMATED POPULATION	192,407	8,454	69,343	31,324	129,007	127,985	20,152	5,120	28,761							
% STANDARD ERROR	0.5	6.3	1.9	3.2	1.0	0.9	3.9	5.1	2.8							
% WITH CAPABILITY	78.9	3.5	28.4	12.8	52.9	52.5	8.3	2.1	11.8							

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.3 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

REGION	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS								
	AIRCRAFT HAS ELECTRICAL SYSTEM	AIRCRAFT HAS PORT	360 CH FXD	360 CH PORT	720 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
ALASKAN	6,202	280	2,292	895	3,709	2,719	476	79	638		
ESTIMATED POPULATION	6.6	30.8	11.3	20.3	9.0	10.4	23.1	22.2	18.8		
% STANDARD ERROR	91.5	4.1	33.8	13.2	54.7	40.1	7.0	1.2	9.4		
% WITH CAPABILITY											
CENTRAL	12,130	549	4,933	1,570	7,119	7,293	1,270	415	2,482		
ESTIMATED POPULATION	5.4	25.9	8.8	15.4	7.1	7.1	16.8	23.7	11.2		
% STANDARD ERROR	86.0	3.9	35.0	11.1	50.5	51.7	9.0	2.9	17.6		
% WITH CAPABILITY											
EASTERN	23,029	1,052	8,734	4,396	15,903	15,948	2,211	755	3,236		
ESTIMATED POPULATION	3.8	18.3	6.5	9.3	4.7	4.7	12.4	16.9	9.6		
% STANDARD ERROR	86.6	4.0	32.9	16.5	59.8	60.0	8.3	2.8	12.2		
% WITH CAPABILITY											
GREAT LAKES	34,441	1,769	12,866	5,204	22,644	22,724	4,007	1,107	6,057		
ESTIMATED POPULATION	3.0	14.5	5.3	8.3	3.8	3.8	9.3	13.2	6.9		
% STANDARD ERROR	85.1	4.4	31.8	12.9	56.0	56.2	9.9	2.7	15.0		
% WITH CAPABILITY											
NEW ENGLAND	8,694	454	3,139	1,777	5,612	5,679	1,085	176	1,585		
ESTIMATED POPULATION	6.5	28.9	10.9	15.1	8.2	8.2	18.8	42.0	14.4		
% STANDARD ERROR	83.5	4.4	30.1	17.1	53.9	54.5	10.4	1.7	15.2		
% WITH CAPABILITY											
NORTHEAST MOUNTAIN	20,525	755	7,720	3,641	12,923	12,686	2,201	447	3,018		
ESTIMATED POPULATION	4.0	21.8	6.9	10.1	5.2	5.2	12.8	23.7	10.2		
% STANDARD ERROR	85.1	3.1	32.0	15.1	53.6	52.6	9.1	1.9	12.5		
% WITH CAPABILITY											

7.3 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

REGION	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS							NO VHF
	AIRCRAFT HAS ELECTRICAL SYSTEM		360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	
SOUTHERN	31,564		1,558	10,216	5,056	22,322	22,211	3,067	907	4,469
ESTIMATED POPULATION	3.2		14.5	6.0	8.4	3.8	3.8	10.5	17.3	8.2
% STANDARD ERROR	88.2		4.4	28.6	14.1	62.4	62.1	8.6	2.5	12.5
% WITH CAPABILITY										
SOUTHWESTERN	23,562		765	8,219	2,854	15,697	15,650	2,794	637	4,369
ESTIMATED POPULATION	3.7		21.7	6.7	11.1	4.7	4.7	11.5	18.0	7.9
% STANDARD ERROR	86.8		2.8	30.3	10.5	57.8	57.6	10.3	2.3	16.1
% WITH CAPABILITY										
WESTERN-PACIFIC	32,117		1,272	11,209	5,924	23,040	23,035	2,987	598	2,840
ESTIMATED POPULATION	3.1		15.9	5.6	7.7	3.7	3.7	10.5	20.1	9.7
% STANDARD ERROR	90.5		3.6	31.6	16.7	64.9	64.9	8.4	1.7	8.0
% WITH CAPABILITY										
TOTAL ALL AIRCRAFT	192,407		8,454	69,343	31,324	129,007	127,985	20,152	5,120	28,761
ESTIMATED POPULATION	0.5		6.3	1.9	3.2	1.0	0.9	3.9	5.1	2.8
% STANDARD ERROR	78.9		3.5	28.4	12.8	52.9	52.5	8.3	2.1	11.8
% WITH CAPABILITY										

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

7.4 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	AIRCRAFT HAS ELECTRICAL SYSTEM	VHF COMMUNICATIONS									
		360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF		
ALABAMA	3,116	40	846	386	2,171	2,071	339	46	827		
% ESTIMATED POPULATION	10.9	69.7	21.6	30.4	13.3	13.6	33.0	54.4	19.4		
% STANDARD ERROR	83.1	1.1	22.6	10.3	57.9	55.2	9.0	1.2	22.0		
% WITH CAPABILITY											
ALASKA	6,202	280	2,292	895	3,709	2,719	476	79	638		
% ESTIMATED POPULATION	6.6	30.8	11.3	20.3	9.0	10.4	23.1	22.2	18.8		
% STANDARD ERROR	91.5	4.1	33.8	13.2	54.7	40.1	7.0	1.2	9.4		
% WITH CAPABILITY											
ARIZONA	4,856	163	1,458	747	3,457	3,106	434	87	777		
% ESTIMATED POPULATION	8.5	45.4	16.2	22.3	10.2	10.6	29.8	54.1	18.1		
% STANDARD ERROR	90.9	3.1	27.3	14.0	64.7	58.2	8.1	1.6	14.6		
% WITH CAPABILITY											
ARKANSAS	2,586	44	664	328	1,647	1,713	201	88	748		
% ESTIMATED POPULATION	11.7	96.8	22.7	33.0	15.1	14.6	35.5	48.0	20.9		
% STANDARD ERROR	84.7	1.4	21.8	10.7	54.0	56.1	6.6	2.9	24.5		
% WITH CAPABILITY											
CALIFORNIA	24,473	1,043	8,523	4,784	17,762	17,946	2,361	464	1,937		
% ESTIMATED POPULATION	3.6	17.5	6.4	8.6	4.3	4.3	11.7	23.4	12.1		
% STANDARD ERROR	90.0	3.8	31.3	17.6	65.3	66.0	8.7	1.7	7.1		
% WITH CAPABILITY											
COLORADO	4,072	56	1,540	875	2,720	2,866	420	104	289		
% ESTIMATED POPULATION	9.7	71.1	16.0	21.9	11.8	11.6	30.5	46.7	29.6		
% STANDARD ERROR	87.7	1.2	33.2	18.9	58.6	61.7	9.0	2.2	6.2		
% WITH CAPABILITY											
CONNECTICUT	1,675	22	494	426	1,162	1,063	256	70	234		
% ESTIMATED POPULATION	15.0	*	28.2	30.5	18.0	19.2	37.7	62.6	31.9		
% STANDARD ERROR	87.0	1.1	25.7	22.1	60.3	55.2	13.3	3.6	12.2		
% WITH CAPABILITY											

7.4 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS							
	AIRCRAFT ELECTRICAL SYSTEM	HAS	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
DELAWARE	1,456		116	397	334	1,081	946	26	47	168
ESTIMATED POPULATION	15.2		48.1	29.8	34.3	17.8	18.9	61.6	73.8	36.0
% STANDARD ERROR	92.9		7.4	25.3	21.3	69.0	60.4	1.6	3.0	10.7
% WITH CAPABILITY										
DISTRICT OF COLUMBIA	27		0	7	6	23	29	13	9	0
ESTIMATED POPULATION	*		0.0	*	*	*	*	*	*	0.0
% STANDARD ERROR	94.4		0.0	23.8	22.4	77.6	100.0	43.6	32.5	0.0
% WITH CAPABILITY										
FLORIDA	10,624		802	3,059	1,615	8,548	8,169	861	459	966
ESTIMATED POPULATION	5.6		20.2	10.6	14.7	6.3	6.4	19.4	22.5	18.0
% STANDARD ERROR	89.9		6.8	25.9	13.7	72.3	69.1	7.3	3.9	8.2
% WITH CAPABILITY										
GEORGIA	3,911		121	1,320	661	2,694	2,662	535	122	674
ESTIMATED POPULATION	9.7		45.6	17.0	23.1	11.7	11.5	24.7	37.4	21.4
% STANDARD ERROR	87.8		2.7	29.6	14.8	60.5	59.8	12.0	2.7	15.1
% WITH CAPABILITY										
HAWAII	531		4	170	57	334	283	11	10	51
ESTIMATED POPULATION	22.2		*	44.0	80.0	27.6	30.7	*	*	61.7
% STANDARD ERROR	97.1		0.7	31.0	10.4	61.1	51.7	1.9	1.7	9.4
% WITH CAPABILITY										
IDAHO	1,997		105	796	280	1,218	1,062	176	97	310
ESTIMATED POPULATION	13.1		54.3	21.8	37.1	16.8	18.1	43.0	54.8	29.2
% STANDARD ERROR	86.3		4.5	34.4	12.1	52.6	45.9	7.6	4.2	13.4
% WITH CAPABILITY										
ILLINOIS	6,220		382	1,886	1,202	4,958	4,542	919	233	819
ESTIMATED POPULATION	7.6		33.9	14.1	18.4	8.6	9.0	19.0	29.4	19.6
% STANDARD ERROR	85.2		5.2	25.8	16.5	68.0	62.3	12.6	3.2	11.2
% WITH CAPABILITY										

7.4 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 3 OF 8

STATE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS									
	AIRCRAFT HAS ELECTRICAL SYSTEM		360 PORT	360 CH	360 FXD	720 PORT	720 CH	720 FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
INDIANA	3,795	136	1,580	708	2,608	2,725	455	173	503			
ESTIMATED POPULATION	9.8	48.2	15.8	22.0	11.7	11.7	27.2	32.7	24.9			
% STANDARD ERROR	83.1	3.0	34.6	15.5	57.1	59.7	10.0	3.8	11.0			
% WITH CAPABILITY												
IOWA	2,609	253	989	296	1,682	1,710	482	83	500			
ESTIMATED POPULATION	11.9	37.7	19.2	36.1	14.8	14.9	29.4	55.1	27.1			
% STANDARD ERROR	83.6	8.1	31.7	9.5	53.9	54.8	15.4	2.7	16.0			
% WITH CAPABILITY												
KANSAS	3,314	104	1,224	404	2,278	2,234	223	101	477			
ESTIMATED POPULATION	10.6	56.3	18.0	29.5	12.8	13.0	38.3	44.8	24.9			
% STANDARD ERROR	87.9	2.8	32.5	10.7	60.4	59.3	5.9	2.7	12.7			
% WITH CAPABILITY												
KENTUCKY	1,969	162	614	431	1,213	1,105	135	37	387			
ESTIMATED POPULATION	14.2	51.5	25.0	31.4	18.0	18.6	53.1	79.0	29.5			
% STANDARD ERROR	84.1	6.9	26.2	18.4	51.8	47.2	5.8	1.6	16.5			
% WITH CAPABILITY												
LOUISIANA	2,428	58	686	372	1,723	1,628	321	69	632			
ESTIMATED POPULATION	12.0	72.7	23.1	31.3	14.4	15.0	33.8	53.1	22.4			
% STANDARD ERROR	83.2	2.0	23.5	12.7	59.0	55.8	11.0	2.4	21.7			
% WITH CAPABILITY												
MAINE	1,180	44	579	100	715	745	85	3	206			
ESTIMATED POPULATION	18.1	79.7	26.4	63.2	23.4	23.3	67.3	*	42.6			
% STANDARD ERROR	89.4	3.3	43.8	7.6	54.1	56.4	6.5	0.2	15.6			
% WITH CAPABILITY												
MARYLAND	2,587	149	707	588	1,839	1,579	234	53	479			
ESTIMATED POPULATION	11.7	49.2	22.8	26.7	14.0	15.2	38.1	74.1	26.1			
% STANDARD ERROR	86.9	5.0	23.8	19.8	61.8	53.0	7.8	1.8	16.1			
% WITH CAPABILITY												

7.4 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS							
	AIRCRAFT HAS ELECTRICAL SYSTEM	NO VHF	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
MASSACHUSETTS										
ESTIMATED POPULATION	3,007		105	956	798	2,138	2,318	375	87	162
% STANDARD ERROR	11.5		62.3	20.1	23.3	13.7	13.3	33.0	66.2	44.1
% WITH CAPABILITY	92.9		3.2	29.5	24.7	66.1	71.6	11.6	2.7	5.0
MICHIGAN										
ESTIMATED POPULATION	6,211		295	2,205	1,221	4,265	4,648	905	244	703
% STANDARD ERROR	7.7		35.3	13.3	17.0	9.3	9.0	20.5	32.1	20.7
% WITH CAPABILITY	87.6		4.2	31.1	17.2	60.1	65.5	12.8	3.4	9.9
MINNESOTA										
ESTIMATED POPULATION	5,168		176	2,016	406	3,023	2,876	442	97	1,266
% STANDARD ERROR	8.2		44.4	13.7	27.6	10.9	11.2	27.2	40.9	15.4
% WITH CAPABILITY	83.4		2.8	32.6	6.5	48.8	46.4	7.1	1.6	20.4
MISSISSIPPI										
ESTIMATED POPULATION	1,750		29	626	124	1,090	1,023	206	68	380
% STANDARD ERROR	14.1		87.9	24.5	50.4	18.0	18.8	40.8	75.3	27.5
% WITH CAPABILITY	87.2		1.4	31.2	6.2	54.3	51.0	10.3	3.4	18.9
MISSOURI										
ESTIMATED POPULATION	4,115		123	1,871	589	2,212	2,318	368	184	710
% STANDARD ERROR	9.7		57.3	14.7	25.0	13.1	12.7	31.1	39.2	21.2
% WITH CAPABILITY	87.5		2.6	39.8	12.5	47.0	49.3	7.8	3.9	15.1
MONTANA										
ESTIMATED POPULATION	2,043		69	756	249	997	1,212	200	21	484
% STANDARD ERROR	13.7		69.0	23.0	44.5	19.4	18.1	47.0	*	25.6
% WITH CAPABILITY	90.4		3.1	33.5	11.0	44.2	53.7	8.9	1.0	21.4
NEBRASKA										
ESTIMATED POPULATION	2,092		68	849	280	948	1,031	196	46	794
% STANDARD ERROR	12.9		75.3	21.0	37.9	19.7	19.1	36.3	54.2	19.4
% WITH CAPABILITY	83.2		2.7	33.8	11.2	37.7	41.0	7.8	1.8	31.6

7.4 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	AIRCRAFT SYSTEMS										VHF COMMUNICATIONS									
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF		
NEVADA	2,175	61	1,004	337	1,462	1,627	174	37	70	12.3	76.5	18.6	32.5	14.7	14.7	48.9	57.1	58.3		
ESTIMATED POPULATION																				
% STANDARD ERROR																				
% WITH CAPABILITY	94.5	2.6	43.6	14.6	63.5	70.6	7.6	1.6	3.1											
NEW HAMPSHIRE	1,632	94	601	281	803	871	191	14	451	14.8	63.0	23.6	36.4	21.3	20.5	44.4	*	27.4		
ESTIMATED POPULATION																				
% STANDARD ERROR																				
% WITH CAPABILITY	80.9	4.7	29.8	13.9	39.8	43.2	9.5	0.7	22.3											
NEW JERSEY	3,291	119	1,118	1,001	2,573	2,660	458	158	269	10.7	60.2	18.8	19.9	12.0	11.9	27.2	40.9	33.9		
ESTIMATED POPULATION																				
% STANDARD ERROR																				
% WITH CAPABILITY	87.1	3.2	29.6	26.5	68.1	70.4	12.1	4.2	7.1											
NEW MEXICO	1,891	150	627	320	1,426	1,277	212	98	496	13.6	48.3	23.6	30.0	16.1	17.1	42.9	61.2	24.5		
ESTIMATED POPULATION																				
% STANDARD ERROR																				
% WITH CAPABILITY	72.7	5.8	24.1	12.3	54.8	49.1	8.2	3.8	19.1											
NEW YORK	5,970	160	2,532	811	3,609	3,774	526	158	798	8.0	48.0	12.3	21.3	10.3	10.0	24.3	26.3	20.4		
ESTIMATED POPULATION																				
% STANDARD ERROR																				
% WITH CAPABILITY	90.1	2.4	38.2	12.2	54.5	57.0	7.9	2.4	12.0											
NORTH CAROLINA	4,017	187	1,596	703	2,584	2,768	395	33	296	9.7	41.2	16.3	22.8	12.2	12.0	29.8	*	30.8		
ESTIMATED POPULATION																				
% STANDARD ERROR																				
% WITH CAPABILITY	91.3	4.3	36.3	16.0	58.7	62.9	9.0	0.7	6.7											
NORTH DAKOTA	1,743	121	668	246	722	824	46	13	713	14.6	55.9	24.5	38.5	23.4	21.9	72.7	*	20.6		
ESTIMATED POPULATION																				
% STANDARD ERROR																				
% WITH CAPABILITY	81.4	5.6	31.2	11.5	33.7	38.4	2.1	0.6	33.3											

7.4 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS									
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF			
OHIO	5,866	354	2,044	725	4,224	3,958	715	175	884			
ESTIMATED POPULATION	7.9	30.4	13.9	21.2	9.4	9.7	23.0	28.5	19.8			
% STANDARD ERROR	88.5	5.3	30.8	10.9	63.7	59.7	10.8	2.6	13.3			
% WITH CAPABILITY												
OKLAHOMA	3,840	21	1,575	228	2,201	2,331	375	129	329			
ESTIMATED POPULATION	9.9	99.8	16.3	41.4	12.7	12.6	31.6	38.0	28.7			
% STANDARD ERROR	95.5	0.5	39.1	5.7	54.7	58.0	9.3	3.2	8.2			
% WITH CAPABILITY												
OREGON	4,335	300	1,266	640	2,983	2,771	397	56	578			
ESTIMATED POPULATION	9.0	37.3	16.7	23.5	11.0	11.2	28.8	43.0	24.3			
% STANDARD ERROR	87.3	6.0	25.5	12.9	60.0	55.8	8.0	1.1	11.6			
% WITH CAPABILITY												
PENNSYLVANIA	5,332	140	2,357	1,024	3,983	3,933	510	186	515			
ESTIMATED POPULATION	8.4	46.9	13.0	19.6	9.8	10.0	27.9	38.7	21.7			
% STANDARD ERROR	86.6	2.3	38.3	16.6	64.7	63.9	8.3	3.0	8.4			
% WITH CAPABILITY												
RHODE ISLAND	701	89	273	90	486	420	159	3	135			
ESTIMATED POPULATION	24.3	74.9	37.7	67.3	29.1	30.7	48.8	*	58.1			
% STANDARD ERROR	79.8	10.2	31.1	10.2	55.3	47.8	18.1	0.3	15.3			
% WITH CAPABILITY												
SOUTH CAROLINA	1,965	139	714	321	1,163	1,290	317	47	514			
ESTIMATED POPULATION	13.7	53.7	23.5	32.2	17.9	17.4	35.4	77.6	25.4			
% STANDARD ERROR	84.4	6.0	30.7	13.8	50.0	55.4	13.6	2.0	22.1			
% WITH CAPABILITY												
SOUTH DAKOTA	1,217	10	464	83	509	576	120	10	768			
ESTIMATED POPULATION	16.9	*	28.3	60.6	27.1	25.2	47.1	*	20.0			
% STANDARD ERROR	66.0	0.6	25.2	4.5	27.6	31.3	6.5	0.5	41.7			
% WITH CAPABILITY												

7.4 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS							
	AIRCRAFT HAS ELECTRICAL SYSTEM		360 PORT	360 CH FXD	720 PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
TENNESSEE	3,197		59	895	689	2,286	2,341	246	93	289
ESTIMATED POPULATION	11.0		61.8	21.6	24.5	12.8	12.7	37.2	62.7	33.0
% STANDARD ERROR			1.7	25.0	19.3	64.0	65.5	6.9	2.6	8.1
% WITH CAPABILITY										
TEXAS	12,817		493	4,667	1,607	8,699	8,701	1,685	252	2,165
ESTIMATED POPULATION	5.2		27.4	8.9	15.0	6.5	6.4	15.2	26.1	11.3
% STANDARD ERROR	88.0		3.4	32.0	11.0	59.7	59.7	11.6	1.7	14.9
% WITH CAPABILITY										
UTAH	1,611		102	577	231	1,082	857	181	67	362
ESTIMATED POPULATION	15.2		65.9	26.0	40.7	18.3	19.9	40.7	77.1	32.4
% STANDARD ERROR	76.8		4.9	27.5	11.0	51.6	40.8	8.6	3.2	17.3
% WITH CAPABILITY										
VERMONT	498		100	236	81	308	261	18	0	397
ESTIMATED POPULATION	26.5		54.8	40.9	62.1	33.6	38.7	*	0.0	28.7
% STANDARD ERROR	48.1		9.6	22.7	7.8	29.7	25.2	1.7	0.0	38.3
% WITH CAPABILITY										
VIRGINIA	3,306		267	1,219	515	2,096	2,176	274	134	536
ESTIMATED POPULATION	10.4		35.2	17.0	27.8	13.4	13.0	32.3	39.1	22.0
% STANDARD ERROR	85.0		6.9	31.3	13.2	53.9	56.0	7.0	3.4	13.8
% WITH CAPABILITY										
WASHINGTON	5,553		78	2,293	1,220	3,404	3,484	808	94	704
ESTIMATED POPULATION	8.1		53.5	12.6	16.8	10.5	10.5	21.7	52.5	21.6
% STANDARD ERROR	84.4		1.2	34.8	18.5	51.7	52.9	12.3	1.4	10.7
% WITH CAPABILITY										
WEST VIRGINIA	1,060		100	397	117	700	851	171	9	471
ESTIMATED POPULATION	19.5		68.2	32.0	48.0	24.1	22.3	51.8	*	29.3
% STANDARD ERROR	67.7		6.4	25.4	7.5	44.7	54.4	10.9	0.6	30.1
% WITH CAPABILITY										

7.4 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 8 OF 8

STATE	AIRCRAFT HAS ELECTRICAL SYSTEM	VHF COMMUNICATIONS									
		360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF		
WISCONSIN	4,221	295	2,003	614	2,334	2,575	405	162	402		
% ESTIMATED POPULATION	9.5	36.6	13.9	25.8	12.9	12.4	31.9	44.7	26.4		
% STANDARD ERROR	89.8	6.3	42.6	13.1	49.7	54.8	8.6	3.4	8.5		
% WITH CAPABILITY											
WYOMING	916	44	492	145	519	434	20	8	290		
% ESTIMATED POPULATION	20.1	78.8	29.1	46.7	25.9	28.4	*	*	33.6		
% STANDARD ERROR	73.1	3.5	39.3	11.6	41.4	34.6	1.6	0.7	23.2		
% WITH CAPABILITY											
PUERTO RICO	923	15	536	73	501	704	33	2	118		
% ESTIMATED POPULATION	20.8	*	28.8	79.4	27.5	23.8	88.5	*	56.6		
% STANDARD ERROR	92.5	1.5	53.7	7.3	50.1	70.6	3.3	0.2	11.9		
% WITH CAPABILITY											
OTHER U.S. TERRITORIES	174	4	64	54	97	151	8	1	21		
% ESTIMATED POPULATION	34.5	*	50.7	59.6	50.6	38.0	*	*	91.8		
% STANDARD ERROR	96.5	2.3	35.3	30.2	53.9	83.8	4.4	0.7	11.9		
% WITH CAPABILITY											
TOTAL ALL AIRCRAFT	192,407	8,454	69,343	31,324	129,007	127,985	20,152	5,120	28,761		
% ESTIMATED POPULATION	0.5	6.3	1.9	3.2	1.0	0.9	3.9	5.1	2.8		
% STANDARD ERROR	78.9	3.5	28.4	12.8	52.9	52.5	8.3	2.1	11.8		
% WITH CAPABILITY											

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.5 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS								
	AIRCRAFT HAS ELECTRICAL SYSTEM		360 PORT	360 CH FXD	720 PORT	720 CH FXD	720 CH	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
1 TO 5 YEARS OLD											
ESTIMATED POPULATION	7,825		374	1,271	2,411	5,608	4,829	1,268	627	1,320	
% STANDARD ERROR	5.8		30.0	14.8	12.1	6.8	7.2	13.6	17.6	14.7	
% WITH CAPABILITY	17.8		0.9	2.9	5.5	12.8	11.0	2.9	1.4	3.0	
6 TO 10 YEARS OLD											
ESTIMATED POPULATION	7,074		361	1,314	1,642	5,683	5,238	1,327	927	1,087	
% STANDARD ERROR	6.1		32.2	14.5	14.6	6.7	6.9	13.7	12.9	18.0	
% WITH CAPABILITY	19.4		1.0	3.6	4.5	15.6	14.4	3.6	2.5	3.0	
11 TO 15 YEARS OLD											
ESTIMATED POPULATION	24,336		636	5,554	2,481	19,855	19,022	3,719	1,111	1,986	
% STANDARD ERROR	3.5		23.1	8.2	12.0	4.0	4.0	9.4	13.0	12.7	
% WITH CAPABILITY	64.2		1.7	14.6	6.5	52.4	50.2	9.8	2.9	5.2	
16 TO 20 YEARS OLD											
ESTIMATED POPULATION	38,711		1,456	12,057	4,715	29,380	28,048	4,469	1,003	2,486	
% STANDARD ERROR	2.7		15.8	5.5	9.0	3.2	3.3	9.1	14.4	11.0	
% WITH CAPABILITY	100.0		4.9	40.7	15.9	99.2	94.7	15.1	3.4	8.4	
21 TO 25 YEARS OLD											
ESTIMATED POPULATION	22,325		779	9,010	3,377	16,619	16,417	1,951	317	969	
% STANDARD ERROR	3.9		21.3	6.5	10.7	4.6	4.6	14.3	30.1	19.1	
% WITH CAPABILITY	90.6		3.2	36.6	13.7	67.4	66.6	7.9	1.3	3.9	
26 TO 30 YEARS OLD											
ESTIMATED POPULATION	28,418		1,242	12,553	4,159	19,458	21,869	2,853	517	1,507	
% STANDARD ERROR	3.3		18.0	5.4	9.8	4.2	3.9	11.5	21.5	15.5	
% WITH CAPABILITY	100.0		22.8	100.0	76.2	100.0	100.0	52.3	9.5	23.9	

7.5 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS									
	AIRCRAFT HAS ELECTRICAL SYSTEM		360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF		
31 TO 35 YEARS OLD	15,173		408	7,038	2,680	10,412	11,459	1,109	242	607		
ESTIMATED POPULATION	4.5		28.6	7.3	12.0	5.6	5.3	18.5	36.7	22.4		
% STANDARD ERROR			11.1	100.0	72.8	100.0	100.0	30.1	6.6	16.5		
% WITH CAPABILITY												
36 TO 40 YEARS OLD	9,420		226	4,016	1,863	6,196	6,337	903	70	344		
ESTIMATED POPULATION	5.9		40.7	9.6	14.4	7.5	7.4	21.0	66.0	32.9		
% STANDARD ERROR			5.3	94.2	43.7	100.0	100.0	21.2	1.6	8.1		
% WITH CAPABILITY												
41 TO 45 YEARS OLD	4,708		195	1,884	1,151	3,045	2,456	191	1	214		
ESTIMATED POPULATION	7.0		36.3	11.6	16.3	9.1	10.4	39.1	*	42.5		
% STANDARD ERROR			12.8	100.0	75.6	100.0	100.0	12.5	0.1	14.1		
% WITH CAPABILITY												
46 TO 50 YEARS OLD	7,179		795	2,835	2,787	3,412	2,618	332	18	3,431		
ESTIMATED POPULATION	5.0		19.2	8.9	9.9	7.9	9.3	28.5	82.7	8.6		
% STANDARD ERROR			16.4	58.3	57.3	70.2	53.9	6.8	0.4	70.6		
% WITH CAPABILITY												
51 TO 55 YEARS OLD	1,549		312	571	603	790	610	129	0	1,274		
ESTIMATED POPULATION	10.3		26.6	18.5	17.7	14.6	19.1	42.3	0.0	11.2		
% STANDARD ERROR			25.9	47.3	50.0	65.5	50.5	10.7	0.0	100.0		
% WITH CAPABILITY												
56 TO 60 YEARS OLD	78		63	51	119	37	35	6	0	56		
ESTIMATED POPULATION	43.8		63.3	54.2	49.8	41.6	53.3	52.2	0.0	65.6		
% STANDARD ERROR			4.3	3.5	8.2	2.6	2.4	0.4	0.0	3.9		
% WITH CAPABILITY												

7.5 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS							
	AIRCRAFT HAS ELECTRICAL SYSTEM		360 PORT	360 CH FXD	720 PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
OVER 60 YEARS OLD	494		89	305	136	372	344	88	18	145
ESTIMATED POPULATION	26.1		63.8	35.7	46.9	30.2	32.0	66.3	95.1	41.1
% STANDARD ERROR	100.0		21.2	72.4	32.2	88.2	81.6	20.8	4.3	34.4
% WITH CAPABILITY										
YEAR MANUFACTURE UNK	25,116		1,519	10,883	3,200	8,140	8,702	1,806	267	13,535
ESTIMATED POPULATION	3.3		15.1	5.5	10.4	6.2	6.1	13.4	32.7	4.4
% STANDARD ERROR	51.7		3.1	22.4	6.6	16.8	17.9	3.7	0.5	27.9
% WITH CAPABILITY										
TOTAL ALL AIRCRAFT	192,407		8,454	69,343	31,324	129,007	127,985	20,152	5,120	28,761
ESTIMATED POPULATION	0.5		6.3	1.9	3.2	1.0	0.9	3.9	5.1	2.8
% STANDARD ERROR	78.9		3.5	28.4	12.8	52.9	52.5	8.3	2.1	11.8
% WITH CAPABILITY										

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.6 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
FIXED WING										
FIXED WING - PISTON										
1 ENG: 1-3 SEATS										
ESTIMATED POPULATION	10,933	6,491	6,993	46,320	3,944	26,630	93	189	59	29,546
% STANDARD ERROR	5.0	6.8	6.5	1.5	9.5	2.4	66.0	44.9	77.0	2.3
% WITH CAPABILITY	15.9	9.4	10.2	67.4	5.7	38.7	0.1	0.3	0.1	43.0
1 ENG: 4+ SEATS										
ESTIMATED POPULATION	77,843	76,815	75,839	20,045	8,878	92,156	759	487	127	7,622
% STANDARD ERROR	1.1	1.1	1.1	3.5	6.5	0.7	21.5	28.9	52.0	5.8
% WITH CAPABILITY	71.4	70.4	69.5	18.4	8.1	84.5	0.7	0.4	0.1	7.0
1 ENGINE: TOTAL										
ESTIMATED POPULATION	88,775	83,306	82,832	66,365	12,821	118,787	852	676	187	37,168
% STANDARD ERROR	1.1	1.1	1.2	1.5	5.3	0.8	20.4	24.3	43.1	2.2
% WITH CAPABILITY	49.9	46.9	46.6	37.3	7.2	66.8	0.5	0.4	0.1	20.9
2 ENG: 1-6 SEATS										
ESTIMATED POPULATION	13,325	13,163	13,344	473	1,124	13,018	165	183	25	491
% STANDARD ERROR	1.7	1.8	1.7	21.0	16.4	1.8	43.8	47.0	72.7	21.9
% WITH CAPABILITY	88.0	86.9	88.1	3.1	7.4	86.0	1.1	1.2	0.2	3.2
2 ENG: 7+ SEATS										
ESTIMATED POPULATION	5,253	5,277	5,355	293	463	5,229	27	21	6	358
% STANDARD ERROR	2.5	2.4	2.2	22.3	24.6	2.6	87.5	*	*	24.3
% WITH CAPABILITY	83.5	83.9	85.1	4.7	7.4	83.1	0.4	0.3	0.1	5.7
2 ENGINE: TOTAL										
ESTIMATED POPULATION	18,578	18,440	18,699	766	1,587	18,247	192	204	31	848
% STANDARD ERROR	1.4	1.4	1.3	15.5	13.7	1.5	39.6	44.0	63.8	16.3
% WITH CAPABILITY	86.7	86.0	87.2	3.6	7.4	85.1	0.9	1.0	0.1	4.0

7.6 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
PISTON: OTHER										
ESTIMATED POPULATION	34	33	37	15	0	37	0	0	0	15
% STANDARD ERROR	26.3	27.1	24.7	46.6	0.0	24.7	0.0	0.0	0.0	46.6
% WITH CAPABILITY	36.5	35.2	39.5	15.5	0.0	39.5	0.0	0.0	0.0	15.5
PISTON: TOTAL										
ESTIMATED POPULATION	107,388	101,779	101,568	67,146	14,409	137,071	1,044	880	218	38,031
% STANDARD ERROR	1.0	1.0	1.0	1.5	5.0	0.7	18.2	21.3	38.0	2.1
% WITH CAPABILITY	53.9	51.1	51.0	33.7	7.2	68.8	0.5	0.4	0.1	19.1
FIXED WING - TURBOPROP										
1 ENGINE: TOTAL										
ESTIMATED POPULATION	393	390	397	350	59	393	45	4	0	250
% STANDARD ERROR	4.8	4.7	4.7	5.3	78.5	14.6	38.8	*	0.0	11.4
% WITH CAPABILITY	51.9	51.5	52.4	46.2	7.8	51.8	6.0	0.5	0.0	33.0
2 ENG: 1-12 SEATS										
ESTIMATED POPULATION	3,557	3,570	3,547	24	301	3,402	46	21	4	36
% STANDARD ERROR	2.4	2.3	2.4	99.3	27.7	2.9	59.8	78.3	*	77.1
% WITH CAPABILITY	90.8	91.1	90.5	0.6	7.7	86.8	1.2	0.5	0.1	0.9
2 ENG: 13+ SEATS										
ESTIMATED POPULATION	435	436	436	16	34	346	95	1	61	1
% STANDARD ERROR	5.5	5.5	5.5	42.9	39.0	7.4	33.8	44.9	38.6	51.2
% WITH CAPABILITY	83.2	83.3	83.3	3.0	6.5	66.2	18.2	0.2	11.6	0.2
2 ENGINE: TOTAL										
ESTIMATED POPULATION	3,992	4,006	3,982	39	335	3,748	141	22	65	36
% STANDARD ERROR	2.2	2.1	2.2	62.0	25.2	2.8	30.0	74.7	37.5	75.5
% WITH CAPABILITY	89.9	90.2	89.7	0.9	7.5	84.4	3.2	0.5	1.5	0.8

7.6 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
TURBOPROP: OTHER										
ESTIMATED POPULATION	20	20	20	17	0	20	0	0	0	17
% STANDARD ERROR	47.4	47.4	47.4	52.3	0.0	47.4	0.0	0.0	0.0	52.3
% WITH CAPABILITY	27.9	27.9	27.9	24.2	0.0	27.9	0.0	0.0	0.0	24.2
TURBOPROP: TOTAL										
ESTIMATED POPULATION	4,405	4,416	4,399	407	394	4,160	186	26	65	304
% STANDARD ERROR	2.1	2.0	2.1	7.8	24.4	2.8	24.5	68.8	37.5	13.4
% WITH CAPABILITY	83.6	83.8	83.5	7.7	7.5	78.9	3.5	0.5	1.2	5.8
FIXED WING - TURBOJET										
2 ENGINE TURBOJET										
ESTIMATED POPULATION	3,863	3,869	3,835	53	358	3,421	475	55	388	49
% STANDARD ERROR	2.2	2.2	2.3	37.8	21.9	3.5	20.5	71.5	21.7	39.9
% WITH CAPABILITY	91.0	91.1	90.3	1.3	8.4	80.6	11.2	1.3	9.1	1.2
TURBOJET: OTHER										
ESTIMATED POPULATION	291	275	286	49	18	213	89	0	68	37
% STANDARD ERROR	3.1	3.1	3.1	13.3	45.6	10.7	24.1	0.0	29.3	15.9
% WITH CAPABILITY	67.2	63.6	66.1	11.3	4.3	49.2	20.6	0.0	15.7	8.6
TURBOJET: TOTAL										
ESTIMATED POPULATION	4,154	4,144	4,121	102	376	3,634	564	55	457	86
% STANDARD ERROR	2.0	2.0	2.2	20.7	20.9	3.3	17.7	71.5	19.0	23.6
% WITH CAPABILITY	88.8	88.6	88.1	2.2	8.0	77.7	12.0	1.2	9.8	1.8
FIXED WING: TOTAL										
ESTIMATED POPULATION	115,947	110,339	110,089	67,654	15,178	144,865	1,793	961	739	38,420
% STANDARD ERROR	0.9	0.9	0.9	1.5	4.8	0.7	12.2	20.0	16.5	2.1
% WITH CAPABILITY	55.4	52.7	52.6	32.3	7.3	69.2	0.9	0.5	0.4	18.4

7.6 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
ROTORCRAFT										
PISTON										
ESTIMATED POPULATION	139	49	50	3,125	112	1,559	28	0	0	1,608
% STANDARD ERROR	22.9	39.4	36.9	3.1	32.2	5.9	52.2	0.0	0.0	6.5
% WITH CAPABILITY	3.3	1.2	1.2	73.5	2.6	36.7	0.7	0.0	0.0	37.8
1 ENG: TURBINE										
ESTIMATED POPULATION	901	567	579	1,532	233	2,108	96	2	0	268
% STANDARD ERROR	12.4	17.8	17.1	7.7	29.5	4.3	50.3	*	0.0	22.0
% WITH CAPABILITY	31.7	19.9	20.3	53.9	8.2	74.1	3.4	0.1	0.0	9.4
MULTI-ENG: TURBINE										
ESTIMATED POPULATION	554	594	596	136	106	699	28	6	0	20
% STANDARD ERROR	5.7	5.6	5.6	22.2	27.0	3.1	47.3	85.3	0.0	36.2
% WITH CAPABILITY	69.0	74.0	74.3	16.9	13.2	87.1	3.4	0.7	0.0	2.5
TURBINE TOTAL:										
ESTIMATED POPULATION	1,455	1,161	1,175	1,668	339	2,807	123	7	0	288
% STANDARD ERROR	8.0	9.1	8.9	7.3	22.0	3.3	40.4	*	0.0	20.6
% WITH CAPABILITY	39.9	31.8	32.2	45.7	9.3	77.0	3.4	0.2	0.0	7.9
ROTORCRAFT: TOTAL										
ESTIMATED POPULATION	1,594	1,210	1,225	4,793	451	4,366	151	7	0	1,896
% STANDARD ERROR	7.6	8.9	8.7	3.2	18.4	3.0	34.4	*	0.0	6.4
% WITH CAPABILITY	20.2	15.3	15.5	60.7	5.7	55.3	1.9	0.1	0.0	24.0
OTHER AIRCRAFT										
GLIDERS:										
ESTIMATED POPULATION	39	31	20	2,217	21	187	0	8	0	2,067
% STANDARD ERROR	69.2	77.8	97.5	4.1	95.5	30.9	0.0	*	0.0	4.8
% WITH CAPABILITY	1.4	1.1	0.7	80.4	0.8	6.8	0.0	0.3	0.0	75.0

7.6 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
LIGHTER-THAN-AIR:										
ESTIMATED POPULATION	49	49	51	4,629	72	141	0	8	0	4,480
% STANDARD ERROR	83.5	83.5	81.8	3.4	68.4	48.6	0.0	*	0.0	3.8
% WITH CAPABILITY	0.9	0.9	0.9	84.2	1.3	2.6	0.0	0.1	0.0	81.5
EXPERIMENTAL										
HOME-BUILT:										
ESTIMATED POPULATION	967	473	525	9,713	485	3,451	0	55	41	6,918
% STANDARD ERROR	22.2	32.4	30.6	3.5	31.9	10.4	0.0	96.9	*	5.8
% WITH CAPABILITY	7.6	3.7	4.1	76.6	3.8	27.2	0.0	0.4	0.3	54.6
EXHIBITION:										
ESTIMATED POPULATION	178	115	184	1,909	55	482	3	0	0	1,639
% STANDARD ERROR	34.8	43.8	34.2	5.7	64.1	19.8	*	0.0	0.0	7.3
% WITH CAPABILITY	6.8	4.4	7.0	73.0	2.1	18.4	0.1	0.0	0.0	62.6
OTHER:										
ESTIMATED POPULATION	1,114	921	970	1,592	98	1,447	44	2	0	1,243
% STANDARD ERROR	11.4	13.1	12.6	8.4	46.5	9.2	70.0	*	0.0	10.5
% WITH CAPABILITY	33.9	28.0	29.5	48.4	3.0	44.0	1.3	0.1	0.0	37.8
TOTAL ALL AIRCRAFT										
ESTIMATED POPULATION	119,888	113,138	113,064	92,508	16,361	154,939	1,992	1,040	780	56,664
% STANDARD ERROR	0.9	0.9	0.9	1.2	4.6	0.7	11.4	19.3	16.7	1.7
% WITH CAPABILITY	49.1	46.4	46.3	37.9	6.7	63.5	0.8	0.4	0.3	23.2

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.7 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

PRIMARY USE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
EXECUTIVE										
ESTIMATED POPULATION	9,582	9,554	9,529	706	886	9,586	584	126	357	112
% STANDARD ERROR	3.7	3.7	3.7	22.2	17.0	4.0	17.8	50.9	20.5	50.1
% WITH CAPABILITY	91.1	90.8	90.6	6.7	8.4	91.1	5.5	1.2	3.4	1.1
BUSINESS										
ESTIMATED POPULATION	27,287	26,812	26,924	4,591	2,326	30,185	425	217	42	1,767
% STANDARD ERROR	3.2	3.2	3.2	9.2	13.1	3.1	29.4	43.5	72.3	15.4
% WITH CAPABILITY	82.2	80.8	81.1	13.8	7.0	91.0	1.3	0.7	0.1	5.3
PERSONAL										
ESTIMATED POPULATION	58,918	54,935	54,686	56,674	7,443	85,126	443	396	88	32,242
% STANDARD ERROR	2.0	2.0	2.0	1.8	7.3	1.5	26.8	31.9	61.6	2.6
% WITH CAPABILITY	48.6	45.3	45.1	46.8	6.1	70.2	0.4	0.3	0.1	26.6
INSTRUCTIONAL										
ESTIMATED POPULATION	9,325	7,539	7,704	5,433	1,482	13,671	88	3	5	1,091
% STANDARD ERROR	6.4	7.1	7.1	8.2	17.5	5.0	45.7	*	*	18.7
% WITH CAPABILITY	61.2	49.5	50.6	35.7	9.7	89.8	0.6	0.0	0.0	7.2
AERIAL APPLICATION										
ESTIMATED POPULATION	448	272	336	5,068	114	839	2	0	0	4,621
% STANDARD ERROR	23.1	30.9	25.1	4.4	54.6	15.4	*	0.0	0.0	4.6
% WITH CAPABILITY	8.1	4.9	6.1	91.8	2.1	15.2	0.0	0.0	0.0	83.7
AERIAL OBSERVATION										
ESTIMATED POPULATION	2,607	2,231	2,397	2,178	403	4,051	68	11	7	753
% STANDARD ERROR	11.7	12.8	12.4	12.3	30.6	9.1	71.7	*	*	23.7
% WITH CAPABILITY	52.5	44.9	48.3	43.9	8.1	81.6	1.4	0.2	0.1	15.2
SIGHT SEEING										
ESTIMATED POPULATION	337	304	304	1,336	34	663	0	3	0	1,005
% STANDARD ERROR	31.4	33.8	33.2	15.2	83.6	21.5	0.0	*	0.0	17.9
% WITH CAPABILITY	20.0	18.1	18.1	79.3	2.0	39.4	0.0	0.2	0.0	59.7

7.7 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

PRIMARY USE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
EXTERNAL LOAD										
ESTIMATED POPULATION	12	20	14	148	0	165	0	0	0	3
% STANDARD ERROR	52.9	41.5	47.4	31.6	0.0	28.6	0.0	0.0	0.0	92.0
% WITH CAPABILITY	6.9	12.0	8.1	88.0	0.0	98.4	0.0	0.0	0.0	1.6
OTHER WORK USE										
ESTIMATED POPULATION	323	320	331	795	139	819	0	0	0	281
% STANDARD ERROR	32.4	32.9	32.2	19.3	41.5	19.0	0.0	0.0	0.0	35.3
% WITH CAPABILITY	27.5	27.2	28.2	67.7	11.9	69.8	0.0	0.0	0.0	24.0
AIR TAXI										
ESTIMATED POPULATION	3,573	3,522	3,396	286	361	3,554	6	12	13	200
% STANDARD ERROR	7.9	7.9	7.9	25.8	27.7	7.9	*	76.5	97.6	35.3
% WITH CAPABILITY	90.6	89.3	86.1	7.2	9.1	90.1	0.2	0.3	0.3	5.1
OTHER										
ESTIMATED POPULATION	2,423	2,284	2,339	2,167	483	3,031	179	46	51	1,334
% STANDARD ERROR	11.3	11.8	11.6	14.0	27.8	10.6	34.7	85.0	76.9	18.3
% WITH CAPABILITY	52.0	49.0	50.2	46.5	10.4	65.0	3.8	1.0	1.1	28.6
INACTIVE										
ESTIMATED POPULATION	6,641	6,183	6,121	15,915	2,531	8,467	173	146	106	13,028
% STANDARD ERROR	5.8	6.0	6.2	2.6	10.7	5.0	32.8	37.7	36.0	3.1
% WITH CAPABILITY	28.5	26.5	26.2	68.2	10.8	36.3	0.7	0.6	0.5	55.8
TOTAL ALL AIRCRAFT										
ESTIMATED POPULATION	119,888	113,138	113,064	92,508	16,361	154,939	1,992	1,040	780	56,664
% STANDARD ERROR	0.9	0.9	0.9	1.2	4.6	0.7	11.4	19.3	16.7	1.7
% WITH CAPABILITY	49.1	46.4	46.3	37.9	6.7	63.5	0.8	0.4	0.3	23.2

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.8 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 2

REGION	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
ALASKAN										
ESTIMATED POPULATION	1,539	1,210	1,219	5,163	639	2,898	6	3	0	3,328
% STANDARD ERROR	13.3	14.9	14.7	7.3	22.0	10.2	*	*	0.0	9.2
% WITH CAPABILITY	22.7	17.9	18.0	76.2	9.4	42.7	0.1	0.0	0.0	49.1
CENTRAL										
ESTIMATED POPULATION	7,109	6,550	6,461	6,450	998	8,741	201	6	77	4,651
% STANDARD ERROR	7.2	7.5	7.5	7.2	19.4	6.5	40.6	*	47.5	8.3
% WITH CAPABILITY	50.4	46.4	45.8	45.7	7.1	62.0	1.4	0.0	0.5	33.0
EASTERN										
ESTIMATED POPULATION	14,841	14,082	14,192	10,588	1,701	19,804	283	184	140	5,988
% STANDARD ERROR	4.8	5.0	4.9	5.5	15.1	4.2	26.1	49.7	30.6	7.0
% WITH CAPABILITY	55.8	53.0	53.4	39.8	6.4	74.5	1.1	0.7	0.5	22.5
GREAT LAKES										
ESTIMATED POPULATION	21,237	20,220	19,867	17,379	3,756	26,381	292	219	233	11,672
% STANDARD ERROR	4.0	4.0	4.1	4.2	10.0	3.5	27.7	40.6	30.5	5.0
% WITH CAPABILITY	52.5	50.0	49.1	42.9	9.3	65.2	0.7	0.5	0.6	28.8
NEW ENGLAND										
ESTIMATED POPULATION	5,311	4,926	5,067	4,733	511	6,837	92	59	72	3,200
% STANDARD ERROR	8.5	8.8	8.7	8.6	26.6	7.4	67.2	88.1	66.0	10.4
% WITH CAPABILITY	51.0	47.3	48.6	45.4	4.9	65.6	0.9	0.6	0.7	30.7
NORTHWEST MOUNTAIN										
ESTIMATED POPULATION	11,244	10,447	10,189	11,873	2,055	15,702	214	10	71	7,165
% STANDARD ERROR	5.6	5.8	5.9	5.2	13.6	4.7	34.4	*	74.9	6.6
% WITH CAPABILITY	46.6	43.3	42.2	49.2	8.5	65.1	0.9	0.0	0.3	29.7

7.8 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

REGION	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
SOUTHERN										
ESTIMATED POPULATION	22,074	20,953	21,122	12,414	2,942	26,821	379	225	59	7,558
% STANDARD ERROR	3.8	3.9	3.9	5.0	11.6	3.5	26.8	43.1	69.9	6.4
% WITH CAPABILITY	61.7	58.6	59.1	34.7	8.2	75.0	1.1	0.6	0.2	21.1
SOUTHWESTERN										
ESTIMATED POPULATION	15,121	14,137	14,220	11,053	1,962	19,045	273	70	33	7,188
% STANDARD ERROR	4.7	4.9	4.9	5.2	13.7	4.2	34.6	46.2	75.3	6.2
% WITH CAPABILITY	55.7	52.1	52.4	40.7	7.2	70.1	1.0	0.3	0.1	26.5
WESTERN-PACIFIC										
ESTIMATED POPULATION	21,370	20,571	20,685	12,723	1,769	28,694	251	265	95	5,785
% STANDARD ERROR	3.9	3.9	3.9	4.8	13.8	3.3	31.3	39.0	49.6	6.8
% WITH CAPABILITY	60.2	58.0	58.3	35.9	5.0	80.9	0.7	0.7	0.3	16.3
TOTAL ALL AIRCRAFT										
ESTIMATED POPULATION	119,888	113,138	113,064	92,508	16,361	154,939	1,992	1,040	780	56,664
% STANDARD ERROR	0.9	0.9	0.9	1.2	4.6	0.7	11.4	19.3	16.7	1.7
% WITH CAPABILITY	49.1	46.4	46.3	37.9	6.7	63.5	0.8	0.4	0.3	23.2

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.9 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
ALABAMA										
ESTIMATED POPULATION	2,019	2,032	1,921	1,561	290	2,540	15	0	0	979
% STANDARD ERROR	13.8	13.9	14.2	14.2	37.9	12.3	97.8	0.0	0.0	17.0
% WITH CAPABILITY	53.8	54.2	51.2	41.6	7.7	67.7	0.4	0.0	0.0	26.1
ALASKA										
ESTIMATED POPULATION	1,539	1,210	1,219	5,163	639	2,898	6	3	0	3,328
% STANDARD ERROR	13.3	14.9	14.7	7.3	22.0	10.2	*	*	0.0	9.2
% WITH CAPABILITY	22.7	17.9	18.0	76.2	9.4	42.7	0.1	0.0	0.0	49.1
ARIZONA										
ESTIMATED POPULATION	2,630	2,448	2,419	2,577	354	4,079	120	47	34	1,024
% STANDARD ERROR	11.7	12.0	12.1	11.4	33.3	9.5	58.4	85.9	*	16.1
% WITH CAPABILITY	49.2	45.8	45.3	48.3	6.6	76.4	2.2	0.9	0.6	19.2
ARKANSAS										
ESTIMATED POPULATION	1,534	1,450	1,529	1,405	180	1,817	45	0	0	1,078
% STANDARD ERROR	15.4	15.8	15.5	15.2	46.6	14.3	95.6	0.0	0.0	16.9
% WITH CAPABILITY	50.3	47.5	50.1	46.0	5.9	59.5	1.5	0.0	0.0	35.3
CALIFORNIA										
ESTIMATED POPULATION	17,135	16,454	16,625	8,959	1,239	22,104	100	214	55	4,439
% STANDARD ERROR	4.4	4.5	4.5	5.7	16.7	3.8	27.8	44.1	45.3	7.9
% WITH CAPABILITY	63.0	60.5	61.1	32.9	4.6	81.2	0.4	0.8	0.2	16.3
COLORADO										
ESTIMATED POPULATION	2,498	2,323	2,174	1,991	265	3,339	11	0	14	1,095
% STANDARD ERROR	12.4	12.9	13.2	13.4	38.5	10.7	*	0.0	*	17.7
% WITH CAPABILITY	53.8	50.0	46.8	42.9	5.7	71.9	0.2	0.0	0.3	23.6
CONNECTICUT										
ESTIMATED POPULATION	962	840	946	889	51	1,307	34	9	4	567
% STANDARD ERROR	20.1	21.2	20.0	19.6	85.3	17.0	*	*	*	24.3
% WITH CAPABILITY	49.9	43.6	49.1	46.2	2.7	67.8	1.7	0.5	0.2	29.4

7.9 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT															
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP										
DELAWARE																				
ESTIMATED POPULATION	1,152	1,011	989	379	85	1,268	9	0	2	232										
% STANDARD ERROR	17.5	18.5	18.7	26.0	65.6	16.4	*	0.0	*	31.8										
% WITH CAPABILITY	73.5	64.5	63.1	24.2	5.4	80.9	0.6	0.0	0.1	14.8										
DISTRICT OF COLUMBIA																				
ESTIMATED POPULATION	24	24	24	5	5	26	5	0	0	3										
% STANDARD ERROR	*	*	*	*	*	*	*	0.0	0.0	*										
% WITH CAPABILITY	83.3	83.3	83.3	16.7	16.5	88.9	16.5	0.0	0.0	11.1										
FLORIDA																				
ESTIMATED POPULATION	8,145	7,664	7,859	3,329	1,028	9,976	199	84	4	1,526										
% STANDARD ERROR	6.5	6.7	6.6	9.8	19.7	5.8	34.0	77.2	*	14.7										
% WITH CAPABILITY	68.9	64.8	66.5	28.2	8.7	84.4	1.7	0.7	0.0	12.9										
GEORGIA																				
ESTIMATED POPULATION	2,756	2,502	2,592	1,585	519	3,346	17	4	3	905										
% STANDARD ERROR	11.5	12.0	11.9	14.9	27.8	10.6	*	*	*	18.5										
% WITH CAPABILITY	61.9	56.2	58.2	35.6	11.6	75.1	0.4	0.1	0.1	20.3										
HAWAII																				
ESTIMATED POPULATION	267	252	257	272	77	477	2	0	7	61										
% STANDARD ERROR	32.4	33.3	32.7	30.9	55.4	23.8	*	0.0	*	62.7										
% WITH CAPABILITY	48.8	46.0	47.0	49.8	14.0	87.3	0.3	0.0	1.3	11.2										
IDAHO																				
ESTIMATED POPULATION	944	870	764	1,302	226	1,380	11	8	4	828										
% STANDARD ERROR	19.1	20.0	21.6	15.9	43.7	16.0	*	*	*	18.9										
% WITH CAPABILITY	40.8	37.6	33.0	56.2	9.8	59.6	0.5	0.4	0.2	35.8										
ILLINOIS																				
ESTIMATED POPULATION	4,738	4,387	4,166	2,417	606	5,473	102	0	133	1,610										
% STANDARD ERROR	8.9	9.2	9.4	12.1	23.7	8.3	46.9	0.0	41.5	14.4										
% WITH CAPABILITY	64.9	60.1	57.1	33.1	8.3	75.0	1.4	0.0	1.8	22.1										

7.9 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
INDIANA										
ESTIMATED POPULATION	2,612	2,384	2,571	1,679	411	3,051	35	48	2	1,182
% STANDARD ERROR	12.0	12.3	11.9	14.1	30.7	11.0	*	78.6	*	16.3
% WITH CAPABILITY	57.2	52.2	56.3	36.8	9.0	66.8	0.8	1.0	0.0	25.9
IOWA										
ESTIMATED POPULATION	1,569	1,548	1,412	1,417	140	1,998	13	1	17	1,017
% STANDARD ERROR	15.6	15.8	16.4	15.5	50.2	13.8	92.7	*	71.6	18.2
% WITH CAPABILITY	50.3	49.6	45.2	45.4	4.5	64.0	0.4	0.0	0.5	32.6
KANSAS										
ESTIMATED POPULATION	2,379	2,169	2,129	1,254	394	2,484	63	0	16	1,038
% STANDARD ERROR	12.7	13.3	13.3	16.2	32.7	12.4	73.9	0.0	*	17.4
% WITH CAPABILITY	63.1	57.5	56.5	33.3	10.4	65.9	1.7	0.0	0.4	27.5
KENTUCKY										
ESTIMATED POPULATION	1,088	1,082	1,079	1,168	55	1,284	0	18	5	1,032
% STANDARD ERROR	18.9	18.9	19.0	18.1	84.0	17.2	0.0	*	*	19.6
% WITH CAPABILITY	46.5	46.2	46.1	49.9	2.4	54.9	0.0	0.8	0.2	44.1
LOUISIANA										
ESTIMATED POPULATION	1,527	1,374	1,456	1,302	268	1,951	31	2	0	906
% STANDARD ERROR	15.6	16.4	16.1	15.4	34.0	13.6	*	*	0.0	18.7
% WITH CAPABILITY	52.3	47.0	49.9	44.6	9.2	66.8	1.1	0.1	0.0	31.0
MAINE										
ESTIMATED POPULATION	636	510	510	640	63	828	3	0	0	472
% STANDARD ERROR	24.9	27.4	27.9	24.0	69.5	21.7	*	0.0	0.0	28.5
% WITH CAPABILITY	48.1	38.6	38.6	48.5	4.8	62.7	0.2	0.0	0.0	35.7
MARYLAND										
ESTIMATED POPULATION	1,499	1,490	1,560	1,268	324	2,198	14	0	1	669
% STANDARD ERROR	15.7	15.6	15.4	15.9	33.5	12.8	*	0.0	*	21.2
% WITH CAPABILITY	50.3	50.1	52.4	42.6	10.9	73.8	0.5	0.0	0.0	22.5

7.9 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
MASSACHUSETTS										
ESTIMATED POPULATION	2,188	2,149	2,184	907	107	2,716	43	48	65	450
% STANDARD ERROR	13.5	13.8	13.6	19.9	60.4	12.2	99.9	*	70.4	27.6
% WITH CAPABILITY	67.6	66.4	67.5	28.0	3.3	83.9	1.3	1.5	2.0	13.9
MICHIGAN										
ESTIMATED POPULATION	3,836	3,605	3,929	2,793	750	4,924	58	40	62	1,643
% STANDARD ERROR	9.8	10.2	9.8	11.3	22.9	8.7	72.1	*	68.1	14.1
% WITH CAPABILITY	54.1	50.8	55.4	39.4	10.6	69.4	0.8	0.6	0.9	23.2
MINNESOTA										
ESTIMATED POPULATION	2,637	2,528	2,219	3,247	801	3,265	61	2	28	2,241
% STANDARD ERROR	11.9	12.1	12.8	9.9	22.4	10.5	52.4	*	53.7	11.9
% WITH CAPABILITY	42.6	40.8	35.8	52.4	12.9	52.7	1.0	0.0	0.5	36.2
MISSISSIPPI										
ESTIMATED POPULATION	966	995	930	908	91	1,297	0	0	0	682
% STANDARD ERROR	19.2	19.3	19.8	18.6	63.5	17.0	0.0	0.0	0.0	20.4
% WITH CAPABILITY	48.2	49.6	46.4	45.3	4.5	64.6	0.0	0.0	0.0	34.0
MISSOURI										
ESTIMATED POPULATION	2,248	2,018	2,020	2,296	301	3,142	71	0	36	1,386
% STANDARD ERROR	12.9	13.6	13.6	12.8	35.4	11.1	72.6	0.0	80.9	16.1
% WITH CAPABILITY	47.8	42.9	43.0	48.8	6.4	66.8	1.5	0.0	0.8	29.5
MONTANA										
ESTIMATED POPULATION	973	855	934	1,118	276	1,373	0	0	0	712
% STANDARD ERROR	19.3	20.7	20.1	18.3	40.9	16.7	0.0	0.0	0.0	21.8
% WITH CAPABILITY	43.1	37.8	41.4	49.5	12.2	60.8	0.0	0.0	0.0	31.5
NEBRASKA										
ESTIMATED POPULATION	913	815	899	1,483	164	1,117	54	5	8	1,210
% STANDARD ERROR	20.1	21.0	20.4	14.6	42.3	18.3	76.7	*	*	16.0
% WITH CAPABILITY	36.3	32.4	35.7	59.0	6.5	44.4	2.2	0.2	0.3	48.1

7.9 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
NEVADA										
ESTIMATED POPULATION	1,311	1,388	1,355	859	53	2,004	29	4	0	251
% STANDARD ERROR	16.2	15.9	16.1	18.2	46.8	13.0	71.2	*	0.0	31.9
% WITH CAPABILITY	56.9	60.3	58.8	37.3	2.3	87.0	1.2	0.2	0.0	10.9
NEW HAMPSHIRE										
ESTIMATED POPULATION	861	826	754	1,114	139	1,067	5	2	3	852
% STANDARD ERROR	21.0	21.6	22.0	17.4	48.5	18.3	*	*	*	20.1
% WITH CAPABILITY	42.7	40.9	37.4	55.2	6.9	52.9	0.2	0.1	0.1	42.2
NEW JERSEY										
ESTIMATED POPULATION	2,483	2,445	2,342	1,206	214	3,194	7	18	0	527
% STANDARD ERROR	12.2	12.5	12.6	17.3	46.2	10.9	*	*	0.0	24.8
% WITH CAPABILITY	65.7	64.7	62.0	31.9	5.7	84.6	0.2	0.5	0.0	14.0
NEW MEXICO										
ESTIMATED POPULATION	1,285	1,204	1,198	1,278	286	1,415	8	6	18	1,019
% STANDARD ERROR	16.9	17.4	17.3	15.5	37.3	16.0	*	*	*	17.0
% WITH CAPABILITY	49.4	46.3	46.1	49.2	11.0	54.4	0.3	0.2	0.7	39.2
NEW YORK										
ESTIMATED POPULATION	3,390	3,179	3,201	2,890	391	4,853	201	55	87	1,539
% STANDARD ERROR	10.6	10.8	10.8	11.1	31.5	9.0	31.2	91.7	32.2	14.5
% WITH CAPABILITY	51.2	48.0	48.3	43.6	5.9	73.3	3.0	0.8	1.3	23.2
NORTH CAROLINA										
ESTIMATED POPULATION	2,837	2,486	2,616	1,414	368	3,246	87	42	9	881
% STANDARD ERROR	11.8	12.6	12.2	15.8	34.6	11.0	60.4	97.6	100.0	19.4
% WITH CAPABILITY	64.4	56.5	59.4	32.1	8.4	73.7	2.0	1.0	0.2	20.0
NORTH DAKOTA										
ESTIMATED POPULATION	581	647	597	1,467	176	794	7	1	6	1,191
% STANDARD ERROR	25.5	24.5	25.5	15.4	51.3	22.1	*	*	*	16.6
% WITH CAPABILITY	27.1	30.2	27.9	68.5	8.2	37.1	0.3	0.1	0.3	55.6

7.9 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT						
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP	
OHIO											
ESTIMATED POPULATION	4,233	3,927	3,800	2,231	537	5,010	28	31	0	1,422	
% STANDARD ERROR	9.4	9.7	9.8	12.7	25.4	8.7	58.4	91.1	0.0	15.5	
% WITH CAPABILITY	63.8	59.2	57.3	33.6	8.1	75.6	0.4	0.5	0.0	21.5	
OKLAHOMA											
ESTIMATED POPULATION	2,221	1,948	1,947	1,648	471	2,942	72	12	1	876	
% STANDARD ERROR	13.0	13.7	13.8	14.9	28.9	11.3	73.1	78.5	63.7	20.1	
% WITH CAPABILITY	55.2	48.4	48.4	41.0	11.7	73.1	1.8	0.3	0.0	21.8	
OREGON											
ESTIMATED POPULATION	2,360	2,428	2,372	2,358	497	3,113	94	1	2	1,565	
% STANDARD ERROR	12.3	12.2	12.3	12.2	26.9	10.7	59.9	*	*	15.1	
% WITH CAPABILITY	47.5	48.9	47.7	47.5	10.0	62.7	1.9	0.0	0.0	31.5	
PENNSYLVANIA											
ESTIMATED POPULATION	3,640	3,394	3,421	2,282	371	4,718	0	87	18	1,302	
% STANDARD ERROR	10.3	10.7	10.7	12.0	33.3	9.0	0.0	73.2	86.9	15.0	
% WITH CAPABILITY	59.1	55.1	55.6	37.1	6.0	76.6	0.0	1.4	0.3	21.1	
RHODE ISLAND											
ESTIMATED POPULATION	385	376	406	450	126	508	6	0	0	248	
% STANDARD ERROR	32.0	32.3	31.0	31.9	57.4	28.6	*	0.0	0.0	42.8	
% WITH CAPABILITY	43.9	42.8	46.3	51.2	14.4	57.9	0.7	0.0	0.0	28.2	
SOUTH CAROLINA											
ESTIMATED POPULATION	1,213	1,226	1,183	990	201	1,542	25	19	0	728	
% STANDARD ERROR	18.0	18.0	18.2	18.1	45.3	15.7	*	*	0.0	21.2	
% WITH CAPABILITY	52.1	52.7	50.8	42.5	8.6	66.2	1.1	0.8	0.0	31.3	
SOUTH DAKOTA											
ESTIMATED POPULATION	455	537	487	1,300	146	638	0	97	1	1,026	
% STANDARD ERROR	28.3	26.8	27.7	15.6	50.1	24.2	0.0	63.5	*	17.2	
% WITH CAPABILITY	24.7	29.1	26.4	70.5	7.9	34.6	0.0	5.3	0.1	55.7	

7.9 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
TENNESSEE										
ESTIMATED POPULATION	2,382	2,319	2,279	1,039	265	2,770	7	54	38	591
% STANDARD ERROR	12.7	13.0	13.0	18.9	38.4	11.9	*	79.7	*	24.1
% WITH CAPABILITY	66.7	64.9	63.8	29.1	7.4	77.5	0.2	1.5	1.1	16.6
TEXAS										
ESTIMATED POPULATION	8,554	8,162	8,090	5,419	757	10,920	117	51	15	3,309
% STANDARD ERROR	6.5	6.6	6.7	7.6	22.0	5.7	48.5	55.6	81.3	9.3
% WITH CAPABILITY	58.7	56.0	55.6	37.2	5.2	75.0	0.8	0.3	0.1	22.7
UTAH										
ESTIMATED POPULATION	784	697	755	1,176	221	1,275	38	1	51	609
% STANDARD ERROR	21.4	22.5	22.0	18.0	41.7	17.1	84.4	63.7	95.1	25.0
% WITH CAPABILITY	37.4	33.2	36.0	56.1	10.5	60.8	1.8	0.0	2.4	29.0
VERMONT										
ESTIMATED POPULATION	279	226	266	733	24	411	1	0	0	611
% STANDARD ERROR	36.8	41.1	37.8	21.0	*	29.9	*	0.0	0.0	22.9
% WITH CAPABILITY	27.0	21.8	25.7	70.8	2.3	39.7	0.1	0.0	0.0	59.0
VIRGINIA										
ESTIMATED POPULATION	1,989	1,847	1,935	1,735	274	2,726	45	0	32	1,008
% STANDARD ERROR	13.6	14.0	13.8	13.4	36.4	11.8	64.5	0.0	85.1	16.3
% WITH CAPABILITY	51.2	47.5	49.8	44.6	7.0	70.1	1.2	0.0	0.8	25.9
WASHINGTON										
ESTIMATED POPULATION	3,387	2,967	2,899	2,994	518	4,572	55	0	0	1,774
% STANDARD ERROR	10.6	11.6	11.7	10.5	25.5	9.1	43.8	0.0	0.0	13.1
% WITH CAPABILITY	51.5	45.1	44.0	45.5	7.9	69.5	0.8	0.0	0.0	27.0
WEST VIRGINIA										
ESTIMATED POPULATION	664	692	720	824	38	820	2	24	0	708
% STANDARD ERROR	25.2	24.7	24.2	21.6	80.1	22.3	*	*	0.0	23.7
% WITH CAPABILITY	42.4	44.2	46.0	52.6	2.4	52.4	0.1	1.5	0.0	45.2

7.9 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT						
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP	
WISCONSIN											
ESTIMATED POPULATION	2,145	2,204	2,100	2,246	329	3,226	2	0	2	1,356	
% STANDARD ERROR	13.4	13.3	13.6	12.5	32.4	11.1	*	0.0	*	15.4	
% WITH CAPABILITY	45.6	46.9	44.7	47.8	7.0	68.6	0.0	0.0	0.0	28.9	
WYOMING											
ESTIMATED POPULATION	299	307	290	934	53	650	5	0	0	583	
% STANDARD ERROR	33.2	32.7	34.0	19.9	83.3	24.4	*	0.0	0.0	23.7	
% WITH CAPABILITY	23.8	24.5	23.1	74.6	4.2	51.9	0.4	0.0	0.0	46.6	
PUERTO RICO											
ESTIMATED POPULATION	590	568	586	402	126	742	29	4	0	216	
% STANDARD ERROR	25.6	26.0	25.6	32.6	56.2	22.8	*	*	0.0	44.8	
% WITH CAPABILITY	59.1	56.9	58.7	40.2	12.6	74.3	2.9	0.4	0.0	21.7	
OTHER U.S. TERRITORIES											
ESTIMATED POPULATION	106	107	106	73	47	107	0	0	0	27	
% STANDARD ERROR	46.3	45.9	46.2	49.8	59.8	47.1	0.0	0.0	0.0	78.4	
% WITH CAPABILITY	58.8	59.4	58.7	40.6	25.8	59.3	0.0	0.0	0.0	14.8	
TOTAL ALL AIRCRAFT											
ESTIMATED POPULATION	119,888	113,138	113,064	92,508	16,361	154,939	1,992	1,040	780	56,664	
% STANDARD ERROR	0.9	0.9	0.9	1.2	4.6	0.7	11.4	19.3	16.7	1.7	
% WITH CAPABILITY	49.1	46.4	46.3	37.9	6.7	63.5	0.8	0.4	0.3	23.2	

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.10 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
1 TO 5 YEARS OLD										
ESTIMATED POPULATION	4,309	3,664	3,829	5,942	489	5,837	628	52	181	3,796
% STANDARD ERROR	7.6	8.0	8.0	6.7	27.2	6.7	17.8	78.1	30.8	8.6
% WITH CAPABILITY	9.8	8.4	8.7	13.5	1.1	13.3	1.4	0.1	0.4	8.7
6 TO 10 YEARS OLD										
ESTIMATED POPULATION	4,888	4,818	4,862	3,617	375	5,769	237	59	189	2,491
% STANDARD ERROR	7.0	7.1	7.0	9.4	28.2	6.7	31.2	71.9	35.3	11.5
% WITH CAPABILITY	13.4	13.2	13.3	9.9	1.0	15.8	0.6	0.2	0.5	6.8
11 TO 15 YEARS OLD										
ESTIMATED POPULATION	20,341	19,122	19,015	5,295	1,567	22,845	327	134	162	2,524
% STANDARD ERROR	3.9	4.0	4.0	7.9	15.3	3.7	31.8	52.1	33.4	10.8
% WITH CAPABILITY	53.6	50.4	50.1	14.0	4.1	60.2	0.9	0.4	0.4	6.7
16 TO 20 YEARS OLD										
ESTIMATED POPULATION	29,388	27,872	28,421	9,933	2,996	35,349	282	331	55	4,334
% STANDARD ERROR	3.2	3.2	3.2	5.6	11.4	2.9	33.0	37.4	65.4	8.0
% WITH CAPABILITY	99.2	94.1	96.0	33.5	10.1	100.0	1.0	1.1	0.2	14.6
21 TO 25 YEARS OLD										
ESTIMATED POPULATION	15,594	15,615	15,282	6,402	1,822	19,807	57	93	2	2,708
% STANDARD ERROR	4.7	4.7	4.8	7.5	14.4	4.2	78.1	66.1	*	11.5
% WITH CAPABILITY	63.3	63.4	62.0	26.0	7.4	80.4	0.2	0.4	0.0	11.0
26 TO 30 YEARS OLD										
ESTIMATED POPULATION	19,076	18,033	17,737	8,688	2,617	25,074	122	71	20	3,449
% STANDARD ERROR	4.2	4.3	4.3	6.4	12.6	3.6	57.2	67.0	70.2	10.1
% WITH CAPABILITY	100.0	100.0	100.0	100.0	47.9	100.0	2.2	1.3	0.4	63.2

7.10 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
31 TO 35 YEARS OLD										
ESTIMATED POPULATION	9,631	9,537	9,512	5,013	1,263	13,425	54	26	0	1,670
% STANDARD ERROR	5.7	5.7	5.7	8.4	17.3	4.9	79.7	55.6	0.0	14.1
% WITH CAPABILITY	100.0	100.0	100.0	100.0	34.3	100.0	1.5	0.7	0.0	45.4
36 TO 40 YEARS OLD										
ESTIMATED POPULATION	4,855	4,191	4,298	4,383	1,032	7,572	41	2	2	1,467
% STANDARD ERROR	8.4	9.0	8.9	9.0	19.3	6.6	91.4	*	*	16.1
% WITH CAPABILITY	100.0	98.3	100.0	100.0	24.2	100.0	1.0	0.0	0.0	34.4
41 TO 45 YEARS OLD										
ESTIMATED POPULATION	1,972	1,792	1,546	2,715	312	3,383	6	4	2	1,509
% STANDARD ERROR	11.9	13.0	13.7	9.6	31.7	8.4	*	*	*	14.0
% WITH CAPABILITY	100.0	100.0	100.0	100.0	20.5	100.0	0.4	0.3	0.2	99.0
46 TO 50 YEARS OLD										
ESTIMATED POPULATION	1,857	1,357	1,491	10,092	449	4,247	68	2	17	7,542
% STANDARD ERROR	10.9	13.1	12.6	4.4	25.2	7.1	47.9	*	*	5.4
% WITH CAPABILITY	38.2	27.9	30.7	100.0	9.2	87.4	1.4	0.0	0.3	100.0
51 TO 55 YEARS OLD										
ESTIMATED POPULATION	405	310	398	2,834	69	1,060	1	2	0	2,286
% STANDARD ERROR	21.7	25.1	23.7	7.4	34.2	12.6	*	*	0.0	8.5
% WITH CAPABILITY	33.6	25.7	33.0	100.0	5.7	87.8	0.1	0.2	0.0	100.0
56 TO 60 YEARS OLD										
ESTIMATED POPULATION	22	23	23	291	4	46	3	0	0	265
% STANDARD ERROR	72.1	68.2	68.2	28.8	*	45.7	*	0.0	0.0	31.1
% WITH CAPABILITY	1.5	1.6	1.6	20.0	0.3	3.2	0.2	0.0	0.0	18.3

7.10 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
OVER 60 YEARS OLD										
ESTIMATED POPULATION	361	323	243	479	48	423	24	16	0	367
% STANDARD ERROR	30.6	33.7	38.1	26.0	63.3	29.4	73.8	*	0.0	29.2
% WITH CAPABILITY	85.7	76.7	57.8	100.0	11.3	100.0	5.6	3.8	0.0	87.0
YEAR MANUFACTURE UNK										
ESTIMATED POPULATION	7,189	6,481	6,408	26,822	3,318	10,103	143	248	151	22,255
% STANDARD ERROR	6.8	7.0	7.1	3.1	10.2	5.7	44.4	40.2	49.3	3.4
% WITH CAPABILITY	14.8	13.3	13.2	55.2	6.8	20.8	0.3	0.5	0.3	45.8
TOTAL ALL AIRCRAFT	119,888	113,138	113,064	92,508	16,361	154,939	1,992	1,040	780	56,664
ESTIMATED POPULATION	0.9	0.9	0.9	1.2	4.6	0.7	11.4	19.3	16.7	1.7
% STANDARD ERROR	49.1	46.4	46.3	37.9	6.7	63.5	0.8	0.4	0.3	23.2

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
FIXED WING								
FIXED WING - PISTON								
1 ENG: 1-3 SEATS								
ESTIMATED POPULATION	2,651	13,831	4,182	16,356	7,992	5,944	1,881	502
% STANDARD ERROR	11.7	4.4	8.9	3.8	6.0	7.2	13.4	26.3
% WITH CAPABILITY	3.9	20.1	6.1	23.8	11.6	8.6	2.7	0.7
1 ENG: 4+ SEATS								
ESTIMATED POPULATION	4,214	27,794	12,377	67,295	81,188	74,449	47,779	12,276
% STANDARD ERROR	9.6	3.3	5.4	1.5	1.0	1.2	2.0	4.9
% WITH CAPABILITY	3.9	25.5	11.3	61.7	74.4	68.3	43.8	11.3
1 ENGINE: TOTAL								
ESTIMATED POPULATION	6,865	41,625	16,559	83,651	89,180	80,393	49,660	12,778
% STANDARD ERROR	7.4	2.6	4.6	1.4	1.0	1.2	1.9	4.8
% WITH CAPABILITY	3.9	23.4	9.3	47.1	50.2	45.2	27.9	7.2
2 ENG: 1-6 SEATS								
ESTIMATED POPULATION	641	2,835	1,276	10,466	13,188	12,686	11,537	5,744
% STANDARD ERROR	21.6	9.8	15.8	3.1	1.7	2.0	2.6	5.4
% WITH CAPABILITY	4.2	18.7	8.4	69.1	87.1	83.8	76.2	37.9
2 ENG: 7+ SEATS								
ESTIMATED POPULATION	220	1,246	433	4,024	5,038	5,099	4,998	3,066
% STANDARD ERROR	38.9	12.9	24.6	4.8	2.6	2.8	2.6	6.0
% WITH CAPABILITY	3.5	19.8	6.9	64.0	80.1	81.0	79.4	48.7
2 ENGINE: TOTAL								
ESTIMATED POPULATION	862	4,082	1,709	14,490	18,226	17,784	16,535	8,810
% STANDARD ERROR	18.9	7.9	13.3	2.6	1.4	1.7	2.0	4.1
% WITH CAPABILITY	4.0	19.0	8.0	67.6	85.0	83.0	77.1	41.1

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA		
FIXED WING								
FIXED WING - PISTON								
1 ENG: 1-3 SEATS	465	10,892		486	114	62	26	
ESTIMATED POPULATION	26.4	5.1		27.9	54.5	89.3	*	
% STANDARD ERROR	0.7	15.8		0.7	0.2	0.1	0.0	
% WITH CAPABILITY								
1 ENG: 4+ SEATS	6,297	47,653		6,054	1,246	58	265	
ESTIMATED POPULATION	7.7	2.2		7.8	17.4	76.8	41.8	
% STANDARD ERROR	5.8	43.7		5.6	1.1	0.1	0.2	
% WITH CAPABILITY								
1 ENGINE: TOTAL	6,761	58,545		6,541	1,361	120	291	
ESTIMATED POPULATION	7.4	2.0		7.5	16.6	59.2	39.2	
% STANDARD ERROR	3.8	32.9		3.7	0.8	0.1	0.2	
% WITH CAPABILITY								
2 ENG: 1-6 SEATS	1,579	6,703		1,945	253	46	36	
ESTIMATED POPULATION	13.4	5.3		12.3	32.5	71.8	95.8	
% STANDARD ERROR	10.4	44.3		12.8	1.7	0.3	0.2	
% WITH CAPABILITY								
2 ENG: 7+ SEATS	781	2,636		659	130	2	5	
ESTIMATED POPULATION	17.7	7.9		20.6	52.6	*	*	
% STANDARD ERROR	12.4	41.9		10.5	2.1	0.0	0.1	
% WITH CAPABILITY								
2 ENGINE: TOTAL	2,360	9,339		2,604	383	47	41	
ESTIMATED POPULATION	10.7	4.4		10.6	27.9	70.6	88.4	
% STANDARD ERROR	11.0	43.6		12.1	1.8	0.2	0.2	
% WITH CAPABILITY								

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT							NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM			
FIXED WING								
FIXED WING - PISTON								
1 ENG: 1-3 SEATS								
ESTIMATED POPULATION	190	9	58	701	3,871		40,681	
% STANDARD ERROR	47.0	*	60.7	19.3	9.1		1.8	
% WITH CAPABILITY	0.3	0.0	0.1	1.0	5.6		59.2	
1 ENG: 4+ SEATS								
ESTIMATED POPULATION	3,004	1,728	11,831	338	14,847		13,402	
% STANDARD ERROR	10.9	14.2	5.0	29.6	4.7		4.5	
% WITH CAPABILITY	2.8	1.6	10.8	0.3	13.6		12.3	
1 ENGINE: TOTAL								
ESTIMATED POPULATION	3,195	1,737	11,889	1,039	18,718		54,083	
% STANDARD ERROR	10.6	14.1	5.0	16.2	4.2		1.8	
% WITH CAPABILITY	1.8	1.0	6.7	0.6	10.5		30.4	
2 ENG: 1-6 SEATS								
ESTIMATED POPULATION	2,448	4,454	3,513	448	2,901		501	
% STANDARD ERROR	9.6	6.1	8.2	25.2	9.6		21.7	
% WITH CAPABILITY	16.2	29.4	23.2	3.0	19.2		3.3	
2 ENG: 7+ SEATS								
ESTIMATED POPULATION	1,502	3,448	1,333	299	1,309		295	
% STANDARD ERROR	10.4	5.2	13.0	31.1	13.4		23.6	
% WITH CAPABILITY	23.9	54.8	21.2	4.8	20.8		4.7	
2 ENGINE: TOTAL								
ESTIMATED POPULATION	3,949	7,902	4,846	747	4,210		796	
% STANDARD ERROR	7.2	4.1	6.9	19.6	7.8		16.2	
% WITH CAPABILITY	18.4	36.9	22.6	3.5	19.6		3.7	

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
PISTON: OTHER								
ESTIMATED POPULATION	3	1	3	30	17	32	14	0
% STANDARD ERROR	*	*	*	29.0	42.7	28.0	47.1	0.0
% WITH CAPABILITY	2.7	1.6	3.0	32.2	17.9	33.6	15.2	0.0
PISTON: TOTAL								
ESTIMATED POPULATION	7,729	45,708	18,271	98,171	107,422	98,209	66,209	21,588
% STANDARD ERROR	6.9	2.5	4.4	1.3	0.9	1.0	1.5	3.3
% WITH CAPABILITY	3.9	22.9	9.2	49.3	53.9	49.3	33.2	10.8
FIXED WING - TURBOPROP								
1 ENGINE: TOTAL								
ESTIMATED POPULATION	9	5	8	447	434	392	392	57
% STANDARD ERROR	*	*	*	7.0	6.7	4.6	4.9	45.8
% WITH CAPABILITY	1.2	0.7	1.0	59.0	57.2	51.7	51.7	7.6
2 ENG: 1-12 SEATS								
ESTIMATED POPULATION	114	421	236	2,903	3,567	3,517	3,562	2,642
% STANDARD ERROR	42.4	23.5	28.3	4.6	2.3	2.5	2.3	5.4
% WITH CAPABILITY	2.9	10.7	6.0	74.1	91.0	89.8	90.9	67.4
2 ENG: 13+ SEATS								
ESTIMATED POPULATION	17	46	10	385	443	434	441	95
% STANDARD ERROR	43.7	26.3	29.6	8.1	5.3	5.5	5.4	34.7
% WITH CAPABILITY	3.3	8.8	1.8	73.6	84.8	83.0	84.3	18.1
2 ENGINE: TOTAL								
ESTIMATED POPULATION	131	467	245	3,288	4,010	3,951	4,003	2,737
% STANDARD ERROR	37.2	21.3	27.2	4.2	2.1	2.3	2.1	5.3
% WITH CAPABILITY	3.0	10.5	5.5	74.0	90.3	89.0	90.1	61.6

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	L R NAV	VFR ONLY	IFR NAV	APP IFR	OMEGA	OTHER LRNAV
PISTON: OTHER						
ESTIMATED POPULATION	0	13	1	0	1	1
% STANDARD ERROR	0.0	49.3	*	0.0	*	*
% WITH CAPABILITY	0.0	14.1	1.6	0.0	1.6	1.6
PISTON: TOTAL						
ESTIMATED POPULATION	9,121	67,898	9,146	1,744	169	333
% STANDARD ERROR	6.2	1.8	6.2	14.3	46.5	35.9
% WITH CAPABILITY	4.6	34.1	4.6	0.9	0.1	0.2
FIXED WING - TURBOPROP						
1 ENGINE: TOTAL						
ESTIMATED POPULATION	15	87	43	10	0	1
% STANDARD ERROR	93.3	33.0	47.1	*	0.0	*
% WITH CAPABILITY	2.0	11.5	5.7	1.3	0.0	0.2
2 ENG: 1-12 SEATS						
ESTIMATED POPULATION	1,348	1,306	941	263	273	27
% STANDARD ERROR	10.5	10.7	13.8	28.5	24.1	79.0
% WITH CAPABILITY	34.4	33.3	24.0	6.7	7.0	0.7
2 ENG: 13+ SEATS						
ESTIMATED POPULATION	201	155	-39	80	193	48
% STANDARD ERROR	17.5	22.3	637.2	38.5	19.5	43.4
% WITH CAPABILITY	38.5	29.7	-7.6	15.3	36.9	9.1
2 ENGINE: TOTAL						
ESTIMATED POPULATION	1,549	1,461	902	343	466	74
% STANDARD ERROR	9.4	9.9	14.7	23.6	16.2	39.8
% WITH CAPABILITY	34.9	32.9	20.3	7.7	10.5	1.7

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT				GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER SIM DET	GPWS SYSTEM		
PISTON: OTHER						
ESTIMATED POPULATION	4	4	0	1	1	13
% STANDARD ERROR	94.5	91.3	0.0	*	*	50.1
% WITH CAPABILITY	4.3	4.6	0.0	1.6	1.6	13.7
PISTON: TOTAL						
ESTIMATED POPULATION	7,148	9,643	16,735	1,787	22,930	54,892
% STANDARD ERROR	6.2	4.2	4.1	12.5	3.7	1.7
% WITH CAPABILITY	3.6	4.8	8.4	0.9	11.5	27.5
FIXED WING - TURBOPROP						
1 ENGINE: TOTAL						
ESTIMATED POPULATION	79	285	69	10	68	265
% STANDARD ERROR	62.0	7.0	36.5	*	42.2	8.5
% WITH CAPABILITY	10.4	37.5	9.1	1.3	9.0	35.0
2 ENG: 1-12 SEATS						
ESTIMATED POPULATION	3,006	3,437	994	307	1,045	25
% STANDARD ERROR	3.8	2.7	13.4	28.5	12.3	94.9
% WITH CAPABILITY	76.7	87.7	25.4	7.8	26.7	0.6
2 ENG: 13+ SEATS						
ESTIMATED POPULATION	361	408	198	135	34	6
% STANDARD ERROR	6.8	6.1	16.7	24.5	98.3	49.9
% WITH CAPABILITY	69.0	78.0	37.8	25.9	6.5	1.1
2 ENGINE: TOTAL						
ESTIMATED POPULATION	3,367	3,845	1,192	442	1,079	31
% STANDARD ERROR	3.5	2.5	11.5	21.1	12.3	77.1
% WITH CAPABILITY	75.8	86.6	26.8	10.0	24.3	0.7

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
TURBOPROP: OTHER								
ESTIMATED POPULATION	0	0	0	20	17	20	20	0
% STANDARD ERROR	0.0	0.0	0.0	47.4	52.8	47.4	47.4	0.0
% WITH CAPABILITY	0.0	0.0	0.0	27.9	23.8	27.9	27.9	0.0
TURBOPROP: TOTAL								
ESTIMATED POPULATION	140	472	253	3,755	4,461	4,363	4,415	2,795
% STANDARD ERROR	35.5	21.1	26.7	3.8	2.0	2.1	2.0	5.3
% WITH CAPABILITY	2.7	9.0	4.8	71.2	84.6	82.8	83.8	53.0
FIXED WING - TURBOJET								
2 ENGINE TURBOJET								
ESTIMATED POPULATION	123	281	154	3,442	3,802	3,822	3,859	2,095
% STANDARD ERROR	42.0	25.3	26.7	3.3	2.4	2.2	2.2	6.9
% WITH CAPABILITY	2.9	6.6	3.6	81.0	89.5	90.0	90.9	49.3
TURBOJET: OTHER								
ESTIMATED POPULATION	2	8	45	247	258	269	274	162
% STANDARD ERROR	86.1	58.6	39.4	7.6	2.9	3.4	3.1	12.9
% WITH CAPABILITY	0.4	1.8	10.4	57.1	59.7	62.3	63.3	37.6
TURBOJET: TOTAL								
ESTIMATED POPULATION	125	289	199	3,689	4,060	4,091	4,132	2,257
% STANDARD ERROR	41.5	24.6	22.5	3.1	2.2	2.1	2.1	6.5
% WITH CAPABILITY	2.7	6.2	4.2	78.8	86.8	87.4	88.3	48.2
FIXED WING: TOTAL								
ESTIMATED POPULATION	7,994	46,469	18,723	105,615	115,944	106,663	74,757	26,640
% STANDARD ERROR	6.7	2.5	4.3	1.2	0.8	1.0	1.4	2.8
% WITH CAPABILITY	3.8	22.2	8.9	50.5	55.4	51.0	35.7	12.7

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	LONG RANGE NAVIGATION EQUIPMENT						
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA	OTHER LRNAV
TURBOPROP: OTHER	3	0		3	0	6	3
ESTIMATED POPULATION	*	0.0		*	0.0	98.1	*
% STANDARD ERROR							
% WITH CAPABILITY	4.2	0.0		4.2	0.0	8.3	4.2
TURBOPROP: TOTAL	1,568	1,548		948	353	472	79
ESTIMATED POPULATION	9.4	9.5		14.2	23.2	16.1	38.2
% STANDARD ERROR							
% WITH CAPABILITY	29.7	29.4		18.0	6.7	8.9	1.5
FIXED WING - TURBOJET							
2 ENGINE TURBOJET	2,271	554		1,164	226	2,460	586
ESTIMATED POPULATION	6.0	17.8		11.6	30.0	5.1	13.5
% STANDARD ERROR							
% WITH CAPABILITY	53.5	13.0		27.4	5.3	57.9	13.8
TURBOJET: OTHER	160	18		68	12	197	157
ESTIMATED POPULATION	13.0	55.0		28.9	78.9	9.8	12.5
% STANDARD ERROR							
% WITH CAPABILITY	37.0	4.1		15.8	2.7	45.6	36.2
TURBOJET: TOTAL	2,431	572		1,233	238	2,657	743
ESTIMATED POPULATION	5.7	17.3		11.1	28.8	4.8	11.0
% STANDARD ERROR							
% WITH CAPABILITY	51.9	12.2		26.3	5.1	56.8	15.9
FIXED WING: TOTAL	13,119	70,017		11,327	2,335	3,298	1,154
ESTIMATED POPULATION	4.6	1.8		5.2	11.7	5.1	12.8
% STANDARD ERROR							
% WITH CAPABILITY	6.3	33.5		5.4	1.1	1.6	0.6

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT				GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM		
TURBOPROP: OTHER						
ESTIMATED POPULATION	6	6	0	3	3	17
% STANDARD ERROR	98.1	98.1	0.0	*	*	52.3
% WITH CAPABILITY	8.3	8.3	0.0	4.2	4.2	24.2
TURBOPROP: TOTAL						
ESTIMATED POPULATION	3,452	4,136	1,261	455	1,150	313
% STANDARD ERROR	3.7	2.4	11.1	20.7	11.8	10.9
% WITH CAPABILITY	65.5	78.5	23.9	8.6	21.8	5.9
FIXED WING - TURBOJET						
2 ENGINE TURBOJET						
ESTIMATED POPULATION	3,744	3,828	1,113	750	1,746	49
% STANDARD ERROR	2.4	2.2	10.5	13.7	8.5	39.4
% WITH CAPABILITY	88.2	90.1	26.2	17.7	41.1	1.2
TURBOJET: OTHER						
ESTIMATED POPULATION	251	247	76	156	138	50
% STANDARD ERROR	4.2	2.8	27.0	13.9	16.0	13.0
% WITH CAPABILITY	58.0	57.2	17.7	36.1	32.0	11.6
TURBOJET: TOTAL						
ESTIMATED POPULATION	3,994	4,075	1,189	906	1,884	99
% STANDARD ERROR	2.2	2.1	10.0	11.6	7.9	20.5
% WITH CAPABILITY	85.4	87.1	25.4	19.4	40.3	2.1
FIXED WING: TOTAL						
ESTIMATED POPULATION	14,594	17,854	19,186	3,148	25,965	55,304
% STANDARD ERROR	3.2	2.4	3.7	8.4	3.4	1.7
% WITH CAPABILITY	7.0	8.5	9.2	1.5	12.4	26.4

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
ROTORCRAFT								
PISTON								
ESTIMATED POPULATION	51	282	35	305	17	218	23	24
% STANDARD ERROR	30.9	17.9	50.0	16.6	56.7	21.3	55.2	57.9
% WITH CAPABILITY	1.2	6.6	0.8	7.2	0.4	5.1	0.5	0.6
1 ENG: TURBINE								
ESTIMATED POPULATION	34	393	88	1,150	470	1,052	379	259
% STANDARD ERROR	66.1	21.5	47.5	10.2	19.5	10.8	22.3	28.5
% WITH CAPABILITY	1.2	13.8	3.1	40.4	16.5	37.0	13.3	9.1
MULTI-ENG: TURBINE								
ESTIMATED POPULATION	7	158	17	466	562	656	566	229
% STANDARD ERROR	82.0	21.3	60.2	8.3	5.8	3.9	5.4	17.7
% WITH CAPABILITY	0.8	19.7	2.2	58.0	70.1	81.8	70.5	28.6
TURBINE TOTAL:								
ESTIMATED POPULATION	41	551	106	1,616	1,033	1,709	945	488
% STANDARD ERROR	57.0	16.5	40.9	7.7	9.4	6.8	9.5	17.3
% WITH CAPABILITY	1.1	15.1	2.9	44.3	28.3	46.8	25.9	13.4
ROTORCRAFT: TOTAL								
ESTIMATED POPULATION	92	833	140	1,921	1,050	1,926	969	513
% STANDARD ERROR	30.6	12.5	33.2	7.0	9.3	6.5	9.4	16.7
% WITH CAPABILITY	1.2	10.5	1.8	24.3	13.3	24.4	12.3	6.5
OTHER AIRCRAFT								
GLIDERS:								
ESTIMATED POPULATION	21	0	59	66	16	32	4	1
% STANDARD ERROR	95.8	0.0	56.4	53.0	*	76.9	*	*
% WITH CAPABILITY	0.8	0.0	2.1	2.4	0.6	1.2	0.1	0.0

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	L R NAV		VFR ONLY		LORAN		IFR NAV		APP IFR		OMEGA		OTHER LRNAV	
	ESTIMATED POPULATION	% STANDARD ERROR	ESTIMATED POPULATION	% STANDARD ERROR	ESTIMATED POPULATION	% STANDARD ERROR	ESTIMATED POPULATION	% STANDARD ERROR	ESTIMATED POPULATION	% STANDARD ERROR	ESTIMATED POPULATION	% STANDARD ERROR	ESTIMATED POPULATION	% STANDARD ERROR
ROTORCRAFT														
PISTON														
ESTIMATED POPULATION	84		697		9		9		9		0		5	
% STANDARD ERROR	43.5		10.9		72.7		81.9		0.0		0.0		*	
% WITH CAPABILITY	2.0		16.4		0.2		0.2		0.0		0.0		0.1	
1 ENG: TURBINE														
ESTIMATED POPULATION	163		1,444		11		6		2		0		2	
% STANDARD ERROR	36.8		8.0		95.4		*		80.2		0.0		0.1	
% WITH CAPABILITY	5.7		50.8		0.4		0.2		0.0		0.0		0.1	
MULTI-ENG: TURBINE														
ESTIMATED POPULATION	103		438		159		56		2		43		2	
% STANDARD ERROR	23.1		7.8		16.6		30.9		*		27.9		*	
% WITH CAPABILITY	12.8		54.5		19.8		7.0		0.2		5.4		0.2	
TURBINE TOTAL:														
ESTIMATED POPULATION	266		1,882		170		62		4		43		4	
% STANDARD ERROR	24.3		6.4		16.7		32.5		*		27.9		*	
% WITH CAPABILITY	7.3		51.6		4.7		1.7		0.1		1.2		0.1	
ROTORCRAFT: TOTAL														
ESTIMATED POPULATION	350		2,578		179		72		9		43		9	
% STANDARD ERROR	21.2		5.5		16.3		30.2		*		27.9		*	
% WITH CAPABILITY	4.4		32.6		2.3		0.9		0.1		0.5		0.1	
OTHER AIRCRAFT														
GLIDERS:														
ESTIMATED POPULATION	1		15		0		0		14		0		14	
% STANDARD ERROR	*		*		0.0		0.0		*		0.0		*	
% WITH CAPABILITY	0.0		0.5		0.0		0.0		0.0		0.0		0.5	

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT					GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM		
ROTORCRAFT							
PISTON							
ESTIMATED POPULATION	3	0	15	70	239	2,260	
% STANDARD ERROR	*	0.0	74.4	45.9	19.4	4.9	
% WITH CAPABILITY	0.1	0.0	0.4	1.7	5.6	53.1	
1 ENG: TURBINE							
ESTIMATED POPULATION	394	12	87	6	410	474	
% STANDARD ERROR	20.8	82.5	54.8	54.3	21.2	17.3	
% WITH CAPABILITY	13.8	0.4	3.1	0.2	14.4	16.7	
MULTI-ENG: TURBINE							
ESTIMATED POPULATION	590	260	91	19	192	24	
% STANDARD ERROR	5.4	8.9	33.5	81.3	16.8	37.4	
% WITH CAPABILITY	73.5	32.4	11.3	2.4	23.9	2.9	
TURBINE TOTAL:							
ESTIMATED POPULATION	983	272	178	25	602	498	
% STANDARD ERROR	8.9	9.2	31.8	62.9	15.4	16.6	
% WITH CAPABILITY	27.0	7.5	4.9	0.7	16.5	13.7	
ROTORCRAFT: TOTAL							
ESTIMATED POPULATION	986	272	193	95	841	2,758	
% STANDARD ERROR	8.9	9.2	29.9	37.6	12.3	5.0	
% WITH CAPABILITY	12.5	3.4	2.4	1.2	10.6	34.9	
OTHER AIRCRAFT							
GLIDERS:							
ESTIMATED POPULATION	36	0	0	25	103	2,107	
% STANDARD ERROR	72.2	0.0	0.0	86.3	42.4	4.6	
% WITH CAPABILITY	1.3	0.0	0.0	0.9	3.7	76.4	

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
LIGHTER-THAN-AIR:								
ESTIMATED POPULATION	122	49	95	0	49	49	47	54
% STANDARD ERROR	52.4	83.5	59.5	0.0	83.5	83.5	85.1	79.3
% WITH CAPABILITY	2.2	0.9	1.7	0.0	0.9	0.9	0.9	1.0
EXPERIMENTAL								
HOME-BUILT:								
ESTIMATED POPULATION	560	916	1,129	2,173	449	361	259	63
% STANDARD ERROR	29.6	22.8	20.4	14.0	33.2	37.2	44.1	90.2
% WITH CAPABILITY	4.4	7.2	8.9	17.1	3.5	2.8	2.0	0.5
EXHIBITION:								
ESTIMATED POPULATION	6	54	137	337	142	62	75	38
% STANDARD ERROR	*	64.8	40.0	24.4	39.2	60.2	54.7	77.9
% WITH CAPABILITY	0.2	2.1	5.2	12.9	5.4	2.4	2.9	1.4
OTHER:								
ESTIMATED POPULATION	107	386	267	1,128	865	1,033	727	549
% STANDARD ERROR	44.5	22.4	27.5	11.3	13.7	12.1	15.3	18.2
% WITH CAPABILITY	3.2	11.7	8.1	34.3	26.3	31.4	22.1	16.7
TOTAL ALL AIRCRAFT	8,901	48,707	20,550	111,240	118,514	110,127	76,837	27,857
ESTIMATED POPULATION	6.4	2.4	4.1	1.2	0.8	1.0	1.4	2.7
% STANDARD ERROR	3.6	20.0	8.4	45.6	48.6	45.1	31.5	11.4

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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AIRCRAFT TYPE	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV		
	L	R	NAV	VFR ONLY	LORAN	IFR NAV	APP IFR		OMEGA	
LIGHTER-THAN-AIR:										
ESTIMATED POPULATION	0			85		49	0	0	0	0
% STANDARD ERROR	0.0			63.1		83.5	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0			1.5		0.9	0.0	0.0	0.0	0.0
EXPERIMENTAL										
HOME-BUILT:										
ESTIMATED POPULATION	61			2,720		147	2	0	0	41
% STANDARD ERROR	91.3			12.2		58.8	*	0.0	0.0	*
% WITH CAPABILITY	0.5			21.4		1.2	0.0	0.0	0.0	0.3
EXHIBITION:										
ESTIMATED POPULATION	3			179		4	1	1	*	9
% STANDARD ERROR	*			34.7		*	*	*	*	*
% WITH CAPABILITY	0.1			6.8		0.1	0.0	0.0	0.0	0.3
OTHER:										
ESTIMATED POPULATION	141			693		328	59	14	*	2
% STANDARD ERROR	38.6			15.8		24.5	60.4	*	*	*
% WITH CAPABILITY	4.3			21.1		10.0	1.8	0.4	0.4	0.1
TOTAL ALL AIRCRAFT										
ESTIMATED POPULATION	13,676			76,287		12,033	2,468	3,356	*	1,229
% STANDARD ERROR	4.4			1.7		5.1	11.2	5.0	*	12.8
% WITH CAPABILITY	5.6			31.3		4.9	1.0	1.4	*	0.5

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.11 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT						NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM		
LIGHTER-THAN-AIR:							
ESTIMATED POPULATION	56	54	0	162	159	4,407	
% STANDARD ERROR	77.9	79.3	0.0	45.3	45.8	3.9	
% WITH CAPABILITY	1.0	1.0	0.0	3.0	2.9	80.2	
EXPERIMENTAL							
HOME-BUILT:							
ESTIMATED POPULATION	31	2	84	173	994	6,724	
% STANDARD ERROR	*	*	78.1	54.1	21.8	6.0	
% WITH CAPABILITY	0.2	0.0	0.7	1.4	7.8	53.0	
EXHIBITION:							
ESTIMATED POPULATION	6	1	3	22	159	1,772	
% STANDARD ERROR	*	*	*	*	36.9	6.5	
% WITH CAPABILITY	0.2	0.0	0.1	0.8	6.1	67.7	
OTHER:							
ESTIMATED POPULATION	369	190	259	7	647	1,274	
% STANDARD ERROR	22.9	33.0	27.9	*	16.5	10.3	
% WITH CAPABILITY	11.2	5.8	7.9	0.2	19.7	38.7	
TOTAL ALL AIRCRAFT	16,079	18,373	19,724	3,633	28,866	74,346	
ESTIMATED POPULATION	3.0	2.4	3.6	8.1	3.2	1.5	
% STANDARD ERROR	6.6	7.5	8.1	1.5	11.8	30.5	

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.12 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 6

BASIC NAVIGATION EQUIPMENT

PRIMARY USE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
EXECUTIVE								
ESTIMATED POPULATION	346	1,540	814	8,068	9,401	9,802	9,257	5,985
% STANDARD ERROR	27.2	13.4	17.3	4.2	3.7	3.7	3.6	5.3
% WITH CAPABILITY	3.3	14.6	7.7	76.7	89.3	93.2	88.0	56.9
BUSINESS								
ESTIMATED POPULATION	1,312	7,850	4,041	22,257	26,857	25,395	21,376	9,520
% STANDARD ERROR	16.7	6.9	9.7	3.7	3.2	3.3	3.6	5.6
% WITH CAPABILITY	4.0	23.7	12.2	67.1	80.9	76.5	64.4	28.7
PERSONAL								
ESTIMATED POPULATION	6,028	28,556	13,861	58,434	60,552	53,236	31,712	8,049
% STANDARD ERROR	8.4	3.5	5.3	2.1	1.9	2.1	3.0	6.4
% WITH CAPABILITY	5.0	23.6	11.4	48.2	50.0	43.9	26.2	6.6
INSTRUCTIONAL								
ESTIMATED POPULATION	421	3,799	738	10,137	7,212	7,260	4,073	731
% STANDARD ERROR	31.3	10.4	24.6	6.1	7.3	7.2	9.6	22.4
% WITH CAPABILITY	2.8	24.9	4.8	66.6	47.3	47.7	26.7	4.8
AERIAL APPLICATION								
ESTIMATED POPULATION	57	189	58	629	294	241	169	108
% STANDARD ERROR	91.5	32.6	64.8	20.3	29.0	25.0	29.0	38.9
% WITH CAPABILITY	1.0	3.4	1.0	11.4	5.3	4.4	3.1	2.0
AERIAL OBSERVATION								
ESTIMATED POPULATION	127	681	375	2,887	2,340	2,796	1,397	363
% STANDARD ERROR	50.7	23.7	30.5	11.1	12.7	11.4	16.2	30.5
% WITH CAPABILITY	2.6	13.7	7.6	58.1	47.1	56.3	28.1	7.3
SIGHT SEEING								
ESTIMATED POPULATION	62	353	8	313	238	206	50	108
% STANDARD ERROR	82.4	31.6	*	30.6	39.8	42.8	69.4	53.4
% WITH CAPABILITY	3.7	20.9	0.5	18.6	14.1	12.2	3.0	6.4

7.12 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 6

LONG RANGE NAVIGATION EQUIPMENT

PRIMARY USE	LONG RANGE NAVIGATION EQUIPMENT					OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	APP IFR	OMEGA	
EXECUTIVE						
ESTIMATED POPULATION	4,023	3,347	2,360	482	2,471	669
% STANDARD ERROR	6.1	8.6	9.3	21.6	5.4	9.5
% WITH CAPABILITY	38.2	31.8	22.4	4.6	23.5	6.4
BUSINESS						
ESTIMATED POPULATION	2,921	15,918	3,520	615	94	35
% STANDARD ERROR	11.1	4.6	10.0	24.0	45.2	82.5
% WITH CAPABILITY	8.8	48.0	10.6	1.9	0.3	0.1
PERSONAL						
ESTIMATED POPULATION	4,293	46,030	4,664	879	189	164
% STANDARD ERROR	9.4	2.6	9.0	20.0	46.2	52.6
% WITH CAPABILITY	3.5	38.0	3.8	0.7	0.2	0.1
INSTRUCTIONAL						
ESTIMATED POPULATION	402	3,004	247	106	1	1
% STANDARD ERROR	31.5	11.5	39.7	54.1	*	*
% WITH CAPABILITY	2.6	19.7	1.6	0.7	0.0	0.0
AERIAL APPLICATION						
ESTIMATED POPULATION	53	616	4	0	0	0
% STANDARD ERROR	*	18.4	*	0.0	0.0	0.0
% WITH CAPABILITY	1.0	11.1	0.1	0.0	0.0	0.0
AERIAL OBSERVATION						
ESTIMATED POPULATION	241	2,207	223	96	16	23
% STANDARD ERROR	32.9	12.5	40.3	63.4	93.7	*
% WITH CAPABILITY	4.9	44.4	4.5	1.9	0.3	0.5
SIGHT SEEING						
ESTIMATED POPULATION	3	175	109	3	0	0
% STANDARD ERROR	*	34.5	62.6	*	0.0	0.0
% WITH CAPABILITY	0.2	10.4	6.4	0.2	0.0	0.0

7.12 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

PRIMARY USE	OTHER NAVIGATION EQUIPMENT						GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ		
EXECUTIVE								
ESTIMATED POPULATION	7,127	7,689	3,057	1,232	3,349	98		
% STANDARD ERROR	3.5	3.4	8.1	12.7	7.7	56.9		
% WITH CAPABILITY	67.7	73.1	29.0	11.7	31.8	0.9		
BUSINESS								
ESTIMATED POPULATION	3,043	4,323	6,742	653	7,088	2,741		
% STANDARD ERROR	9.9	7.9	6.9	23.0	6.9	12.1		
% WITH CAPABILITY	9.2	13.0	20.3	2.0	21.4	8.3		
PERSONAL								
ESTIMATED POPULATION	2,948	2,185	7,530	713	15,170	41,432		
% STANDARD ERROR	11.0	12.1	6.7	22.9	5.0	2.4		
% WITH CAPABILITY	2.4	1.8	6.2	0.6	12.5	34.2		
INSTRUCTIONAL								
ESTIMATED POPULATION	228	152	417	37	779	6,436		
% STANDARD ERROR	39.9	42.6	29.5	*	22.9	7.4		
% WITH CAPABILITY	1.5	1.0	2.7	0.2	5.1	42.3		
AERIAL APPLICATION								
ESTIMATED POPULATION	44	38	2	177	196	4,629		
% STANDARD ERROR	60.9	85.1	*	32.9	36.8	5.0		
% WITH CAPABILITY	0.8	0.7	0.0	3.2	3.5	83.8		
AERIAL OBSERVATION								
ESTIMATED POPULATION	306	231	386	55	1,078	1,069		
% STANDARD ERROR	25.9	31.9	30.9	80.1	17.4	18.8		
% WITH CAPABILITY	6.2	4.7	7.8	1.1	21.7	21.5		
SIGHT SEEING								
ESTIMATED POPULATION	5	63	0	9	126	1,267		
% STANDARD ERROR	44.7	78.8	0.0	*	52.9	15.8		
% WITH CAPABILITY	0.3	3.8	0.0	0.5	7.5	75.2		

7.12 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

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BASIC NAVIGATION EQUIPMENT

PRIMARY USE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
EXTERNAL LOAD								
ESTIMATED POPULATION	0	1	0	68	8	12	9	2
% STANDARD ERROR	0.0	*	0.0	30.8	57.0	52.7	54.4	*
% WITH CAPABILITY	0.0	0.9	0.0	40.5	4.7	6.9	5.1	1.0
OTHER WORK USE								
ESTIMATED POPULATION	5	271	145	410	319	272	248	54
% STANDARD ERROR	*	31.2	49.1	28.3	31.5	35.5	37.1	72.7
% WITH CAPABILITY	0.4	23.1	12.3	34.9	27.1	23.2	21.1	4.6
AIR TAXI								
ESTIMATED POPULATION	166	632	125	2,986	3,250	3,609	3,139	1,416
% STANDARD ERROR	50.8	18.8	52.8	8.6	8.1	7.8	8.1	13.1
% WITH CAPABILITY	4.2	16.0	3.2	75.7	82.4	91.5	79.6	35.9
OTHER								
ESTIMATED POPULATION	123	508	238	2,014	2,182	1,901	1,762	790
% STANDARD ERROR	49.9	24.1	45.4	12.1	12.4	12.4	12.9	19.9
% WITH CAPABILITY	2.6	10.9	5.1	43.2	46.8	40.8	37.8	17.0
INACTIVE								
ESTIMATED POPULATION	673	5,374	1,198	5,966	6,846	6,047	3,726	1,037
% STANDARD ERROR	19.9	6.9	16.2	6.1	5.6	6.2	8.2	15.6
% WITH CAPABILITY	2.9	23.0	5.1	25.6	29.3	25.9	16.0	4.4
TOTAL ALL AIRCRAFT	8,901	48,707	20,550	111,240	118,514	110,127	76,837	27,857
ESTIMATED POPULATION	6.4	2.4	4.1	1.2	0.8	1.0	1.4	2.7
% STANDARD ERROR	3.6	20.0	8.4	45.6	48.6	45.1	31.5	11.4
% WITH CAPABILITY								

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7-12 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

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LONG RANGE NAVIGATION EQUIPMENT

PRIMARY USE	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA		
EXTERNAL LOAD								
ESTIMATED POPULATION	0	150		0	0	0	0	0
% STANDARD ERROR	0.0	30.9		0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	89.2		0.0	0.0	0.0	0.0	0.0
OTHER WORK USE								
ESTIMATED POPULATION	1	287		3	11	1	10	10
% STANDARD ERROR	*	31.3		*	*	*	*	*
% WITH CAPABILITY	0.1	24.4		0.3	1.0	0.0	0.9	0.9
AIR TAXI								
ESTIMATED POPULATION	367	1,700		294	45	133	6	6
% STANDARD ERROR	23.2	12.1		27.8	49.4	34.1	*	*
% WITH CAPABILITY	9.3	43.1		7.5	1.1	3.4	0.1	0.1
OTHER								
ESTIMATED POPULATION	550	1,780		302	19	97	140	140
% STANDARD ERROR	21.9	14.3		30.9	51.9	35.0	42.7	42.7
% WITH CAPABILITY	11.8	38.2		6.5	0.4	2.1	3.0	3.0
INACTIVE								
ESTIMATED POPULATION	921	4,094		630	123	227	152	152
% STANDARD ERROR	16.7	8.2		20.9	41.8	11.6	48.4	48.4
% WITH CAPABILITY	3.9	17.5		2.7	0.5	1.0	0.7	0.7
TOTAL ALL AIRCRAFT	13,676	76,287		12,033	2,468	3,356	1,229	1,229
ESTIMATED POPULATION	4.4	1.7		5.1	11.2	5.0	12.8	12.8
% STANDARD ERROR	5.6	31.3		4.9	1.0	1.4	0.5	0.5

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.12 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMPUTER AIRCRAFT

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PRIMARY USE	OTHER NAVIGATION EQUIPMENT					
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ
EXTERNAL LOAD						
ESTIMATED POPULATION	37	2	0	0	5	8
% STANDARD ERROR	51.6	*	0.0	0.0	89.7	98.7
% WITH CAPABILITY	21.9	1.0	0.0	0.0	3.1	4.9
OTHER WORK USE						
ESTIMATED POPULATION	113	57	52	29	37	683
% STANDARD ERROR	54.4	69.7	88.8	91.1	70.3	21.5
% WITH CAPABILITY	9.6	4.8	4.5	2.5	3.2	58.2
AIR TAXI						
ESTIMATED POPULATION	839	1,832	475	36	666	68
% STANDARD ERROR	14.1	10.4	25.3	73.8	18.9	48.8
% WITH CAPABILITY	21.3	46.5	12.1	0.9	16.9	1.7
OTHER						
ESTIMATED POPULATION	527	517	419	243	562	1,552
% STANDARD ERROR	18.7	19.4	28.0	40.4	22.7	16.8
% WITH CAPABILITY	11.3	11.1	9.0	5.2	12.1	33.3
INACTIVE						
ESTIMATED POPULATION	790	942	418	348	1,211	14,612
% STANDARD ERROR	12.8	13.9	29.6	17.6	12.9	2.8
% WITH CAPABILITY	3.4	4.0	1.8	1.5	5.2	62.6
TOTAL ALL AIRCRAFT	16,079	18,373	19,724	3,633	28,866	74,346
ESTIMATED POPULATION	3.0	2.4	3.6	8.1	3.2	1.5
% STANDARD ERROR	6.6	7.5	8.1	1.5	11.8	30.5

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.13 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

BASIC NAVIGATION EQUIPMENT

REGION	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
ALASKAN								
ESTIMATED POPULATION	569	1,493	369	2,544	1,278	2,992	653	152
% STANDARD ERROR	24.1	13.4	31.1	11.1	15.5	10.0	20.3	29.7
% WITH CAPABILITY	8.4	22.0	5.4	37.5	18.9	44.1	9.6	2.2
CENTRAL								
ESTIMATED POPULATION	449	3,680	1,192	6,198	6,753	6,130	4,156	2,253
% STANDARD ERROR	28.3	10.3	17.9	7.6	7.3	7.7	9.0	12.1
% WITH CAPABILITY	3.2	26.1	8.5	43.9	47.9	43.5	29.5	16.0
EASTERN								
ESTIMATED POPULATION	1,509	5,811	2,898	14,169	14,947	13,223	9,825	3,647
% STANDARD ERROR	16.6	8.0	11.4	5.0	4.8	5.1	5.9	9.2
% WITH CAPABILITY	5.7	21.9	10.9	53.3	56.2	49.7	37.0	13.7
GREAT LAKES								
ESTIMATED POPULATION	1,365	9,518	3,563	20,273	21,198	19,543	12,563	5,153
% STANDARD ERROR	16.9	6.3	10.1	4.1	4.0	4.1	5.1	7.7
% WITH CAPABILITY	3.4	23.5	8.8	50.1	52.4	48.3	31.0	12.7
NEW ENGLAND								
ESTIMATED POPULATION	476	2,246	1,019	4,849	5,482	4,967	3,004	1,139
% STANDARD ERROR	29.3	13.4	19.6	8.8	8.4	8.7	11.2	17.4
% WITH CAPABILITY	4.6	21.6	9.8	46.5	52.6	47.7	28.8	10.9
NORTHWEST MOUNTAIN								
ESTIMATED POPULATION	1,195	5,088	2,308	10,651	11,203	10,598	6,738	2,091
% STANDARD ERROR	18.2	8.6	13.0	5.8	5.6	5.7	7.2	12.1
% WITH CAPABILITY	5.0	21.1	9.6	44.2	46.5	43.9	27.9	8.7

7.13 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

LONG RANGE NAVIGATION EQUIPMENT

REGION	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	APP IFR	OMEGA			
ALASKAN	137	1,866	102	48	42	5		
ESTIMATED POPULATION	38.4	12.4	42.9	61.9	38.2	*		
% STANDARD ERROR	2.0	27.5	1.5	0.7	0.6	0.1		
% WITH CAPABILITY								
CENTRAL	1,312	3,997	906	188	267	73		
ESTIMATED POPULATION	15.9	9.6	19.4	40.1	26.5	50.7		
% STANDARD ERROR	9.3	28.3	6.4	1.3	1.9	0.5		
% WITH CAPABILITY								
EASTERN	1,869	9,654	1,784	391	462	154		
ESTIMATED POPULATION	12.6	6.1	13.5	29.2	20.1	30.9		
% STANDARD ERROR	7.0	36.3	6.7	1.5	1.7	0.6		
% WITH CAPABILITY								
GREAT LAKES	2,737	14,127	2,406	479	777	203		
ESTIMATED POPULATION	10.7	5.0	12.0	23.0	14.3	32.1		
% STANDARD ERROR	6.8	34.9	5.9	1.2	1.9	0.5		
% WITH CAPABILITY								
NEW ENGLAND	565	4,044	612	93	113	59		
ESTIMATED POPULATION	26.7	9.8	24.3	56.4	46.2	68.7		
% STANDARD ERROR	5.4	38.8	5.9	0.9	1.1	0.6		
% WITH CAPABILITY								
NORTHWEST MOUNTAIN	884	7,708	690	146	252	138		
ESTIMATED POPULATION	19.1	6.8	20.8	46.5	26.4	53.0		
% STANDARD ERROR	3.7	32.0	2.9	0.6	1.0	0.6		
% WITH CAPABILITY								

7.13 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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REGION	OTHER NAVIGATION EQUIPMENT						
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ	
ALASKAN	277	122	0	100	1,699	2,355	
ESTIMATED POPULATION	33.5	30.7	0.0	48.0	13.6	10.9	
% STANDARD ERROR	4.1	1.8	0.0	1.5	25.1	34.7	
% WITH CAPABILITY							
CENTRAL	1,439	1,390	1,431	190	1,574	5,697	
ESTIMATED POPULATION	14.1	13.5	15.6	36.2	14.7	7.8	
% STANDARD ERROR	10.2	9.9	10.1	1.3	11.2	40.4	
% WITH CAPABILITY							
EASTERN	1,990	2,310	2,708	381	3,007	8,925	
ESTIMATED POPULATION	11.1	10.3	11.0	26.5	10.9	6.0	
% STANDARD ERROR	7.5	8.7	10.2	1.4	11.3	33.6	
% WITH CAPABILITY							
GREAT LAKES	2,683	3,502	4,011	815	4,262	14,477	
ESTIMATED POPULATION	9.0	8.3	9.1	18.6	8.9	4.6	
% STANDARD ERROR	6.6	8.7	9.9	2.0	10.5	35.8	
% WITH CAPABILITY							
NEW ENGLAND	570	519	834	161	1,084	3,911	
ESTIMATED POPULATION	23.2	23.4	20.4	36.7	18.5	9.5	
% STANDARD ERROR	5.5	5.0	8.0	1.5	10.4	37.6	
% WITH CAPABILITY							
NORTHWEST MOUNTAIN	1,353	1,425	1,024	341	3,551	9,331	
ESTIMATED POPULATION	13.4	13.4	17.9	26.0	10.0	5.9	
% STANDARD ERROR	5.6	5.9	4.2	1.4	14.7	38.7	
% WITH CAPABILITY							

7.13 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

BASIC NAVIGATION EQUIPMENT

REGION	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
SOUTHERN								
ESTIMATED POPULATION	1,262	8,148	3,458	18,890	21,205	20,505	14,712	5,110
% STANDARD ERROR	16.4	6.8	10.5	4.2	3.9	4.0	4.6	7.7
% WITH CAPABILITY	3.5	22.8	9.7	52.8	59.3	57.3	41.1	14.3
SOUTHWESTERN								
ESTIMATED POPULATION	1,099	5,553	2,213	13,622	15,037	14,100	10,553	3,870
% STANDARD ERROR	18.6	8.3	13.1	5.1	4.8	4.9	5.6	8.7
% WITH CAPABILITY	4.0	20.4	8.1	50.2	55.4	51.9	38.9	14.2
WESTERN-PACIFIC								
ESTIMATED POPULATION	978	7,107	3,521	20,008	21,377	18,035	14,596	4,413
% STANDARD ERROR	19.2	7.2	10.3	4.0	3.9	4.2	4.7	8.4
% WITH CAPABILITY	2.8	20.0	9.9	56.4	60.2	50.8	41.1	12.4
TOTAL ALL AIRCRAFT								
ESTIMATED POPULATION	8,901	48,707	20,550	111,240	118,514	110,127	76,837	27,857
% STANDARD ERROR	6.4	2.4	4.1	1.2	0.8	1.0	1.4	2.7
% WITH CAPABILITY	3.6	20.0	8.4	45.6	48.6	45.1	31.5	11.4

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

7.13 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

LONG RANGE NAVIGATION EQUIPMENT

REGION	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA		
SOUTHERN								
ESTIMATED POPULATION	2,440	14,278		2,490	587	578	162	
% STANDARD ERROR	11.4	5.0		11.9	24.7	17.9	43.2	
% WITH CAPABILITY	6.8	39.9		7.0	1.6	1.6	0.5	
SOUTHWESTERN								
ESTIMATED POPULATION	2,155	8,699		1,688	182	367	272	
% STANDARD ERROR	12.0	6.4		14.3	42.5	19.5	36.2	
% WITH CAPABILITY	7.9	32.0		6.2	0.7	1.4	1.0	
WESTERN-PACIFIC								
ESTIMATED POPULATION	1,577	11,912		1,355	356	497	164	
% STANDARD ERROR	13.5	5.3		15.7	30.1	21.2	36.6	
% WITH CAPABILITY	4.4	33.6		3.8	1.0	1.4	0.5	
TOTAL ALL AIRCRAFT								
ESTIMATED POPULATION	13,676	76,287		12,033	2,468	3,356	1,229	
% STANDARD ERROR	4.4	1.7		5.1	11.2	5.0	12.8	
% WITH CAPABILITY	5.6	31.3		4.9	1.0	1.4	0.5	

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

7.13 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 6 OF 6

REGION	OTHER NAVIGATION EQUIPMENT						GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ		
SOUTHERN								
ESTIMATED POPULATION	3,103	4,259	4,789	655	4,733	9,467		
% STANDARD ERROR	9.0	7.5	8.4	20.7	8.4	5.8		
% WITH CAPABILITY	8.7	11.9	13.4	1.8	13.2	26.5		
SOUTHWESTERN								
ESTIMATED POPULATION	2,296	2,605	2,958	546	4,074	9,074		
% STANDARD ERROR	10.6	9.6	10.6	20.9	9.0	5.8		
% WITH CAPABILITY	8.5	9.6	10.9	2.0	15.0	33.4		
WESTERN-PACIFIC								
ESTIMATED POPULATION	2,332	2,235	1,965	439	4,874	10,979		
% STANDARD ERROR	10.3	10.6	12.7	24.0	8.2	5.2		
% WITH CAPABILITY	6.6	6.3	5.5	1.2	13.7	30.9		
TOTAL ALL AIRCRAFT	16,079	18,373	19,724	3,633	28,866	74,346		
ESTIMATED POPULATION	3.0	2.4	3.6	8.1	3.2	1.5		
% STANDARD ERROR	6.6	7.5	8.1	1.5	11.8	30.5		
% WITH CAPABILITY								

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

7.14 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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BASIC NAVIGATION EQUIPMENT

STATE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
ALABAMA								
ESTIMATED POPULATION	58	527	347	1,999	2,033	1,893	1,381	447
% STANDARD ERROR	79.9	28.3	34.9	13.8	14.0	14.3	16.2	26.5
% WITH CAPABILITY	1.5	14.1	9.2	53.3	54.2	50.5	36.8	11.9
ALASKA								
ESTIMATED POPULATION	569	1,493	369	2,544	1,278	2,992	653	152
% STANDARD ERROR	24.1	13.4	31.1	11.1	15.5	10.0	20.3	29.7
% WITH CAPABILITY	8.4	22.0	5.4	37.5	18.9	44.1	9.6	2.2
ARIZONA								
ESTIMATED POPULATION	45	912	613	2,873	2,838	2,368	1,872	425
% STANDARD ERROR	75.1	20.6	25.3	11.2	11.3	12.2	13.9	26.9
% WITH CAPABILITY	0.8	17.1	11.5	53.8	53.1	44.3	35.1	8.0
ARKANSAS								
ESTIMATED POPULATION	139	312	198	1,641	1,613	1,428	1,038	342
% STANDARD ERROR	57.1	31.7	41.8	15.0	15.2	15.9	18.2	30.5
% WITH CAPABILITY	4.5	10.2	6.5	53.8	52.8	46.8	34.0	11.2
CALIFORNIA								
ESTIMATED POPULATION	905	5,464	2,639	15,429	16,896	14,208	11,581	3,628
% STANDARD ERROR	20.3	8.2	11.9	4.6	4.5	4.9	5.4	9.3
% WITH CAPABILITY	3.3	20.1	9.7	56.7	62.1	52.2	42.6	13.3
COLORADO								
ESTIMATED POPULATION	250	1,048	576	2,218	2,458	2,394	1,724	478
% STANDARD ERROR	39.7	19.7	26.9	13.2	12.5	12.7	14.9	25.9
% WITH CAPABILITY	5.4	22.6	12.4	47.8	53.0	51.6	37.1	10.3
CONNECTICUT								
ESTIMATED POPULATION	93	446	151	897	960	872	470	285
% STANDARD ERROR	63.6	29.9	44.1	21.0	20.0	20.9	27.9	35.7
% WITH CAPABILITY	4.8	23.2	7.9	46.5	49.8	45.3	24.4	14.8

7.14 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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LONG RANGE NAVIGATION EQUIPMENT

STATE	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA		
ALABAMA	335	1,303		305	87	62	22	
ESTIMATED POPULATION	33.6	17.6		33.3	68.2	66.6	*	
% STANDARD ERROR	8.9	34.7		8.1	2.3	1.7	0.6	
% WITH CAPABILITY								
ALASKA	137	1,866		102	48	42	5	
ESTIMATED POPULATION	38.4	12.4		42.9	61.9	38.2	*	
% STANDARD ERROR	2.0	27.5		1.5	0.7	0.6	0.1	
% WITH CAPABILITY								
ARIZONA	111	1,637		149	7	51	3	
ESTIMATED POPULATION	59.8	15.0		48.2	*	82.1	*	
% STANDARD ERROR	2.1	30.7		2.8	0.1	1.0	0.1	
% WITH CAPABILITY								
ARKANSAS	164	802		241	45	11	28	
ESTIMATED POPULATION	41.6	21.1		39.7	95.7	86.5	*	
% STANDARD ERROR	5.4	26.3		7.9	1.5	0.3	0.9	
% WITH CAPABILITY								
CALIFORNIA	1,298	9,293		1,120	312	402	157	
ESTIMATED POPULATION	14.8	6.1		17.3	32.6	23.5	37.6	
% STANDARD ERROR	4.8	34.2		4.1	1.1	1.5	0.6	
% WITH CAPABILITY								
COLORADO	337	1,290		56	1	87	17	
ESTIMATED POPULATION	33.0	17.1		71.9	*	48.7	*	
% STANDARD ERROR	7.3	27.8		1.2	0.0	1.9	0.4	
% WITH CAPABILITY								
CONNECTICUT	94	763		127	57	73	37	
ESTIMATED POPULATION	64.4	21.9		52.9	78.3	61.6	92.6	
% STANDARD ERROR	4.9	39.6		6.6	3.0	3.8	1.9	
% WITH CAPABILITY								

7.14 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 3 OF 24

STATE	OTHER NAVIGATION EQUIPMENT							NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM			
ALABAMA								
ESTIMATED POPULATION	229	464	538	52	368		1,412	
% STANDARD ERROR	34.0	25.0	26.2	66.6	30.2		15.3	
% WITH CAPABILITY	6.1	12.4	14.3	1.4	9.8		37.7	
ALASKA								
ESTIMATED POPULATION	277	122	0	100	1,699		2,355	
% STANDARD ERROR	33.5	30.7	0.0	48.0	13.6		10.9	
% WITH CAPABILITY	4.1	1.8	0.0	1.5	25.1		34.7	
ARIZONA								
ESTIMATED POPULATION	252	212	325	38	617		1,955	
% STANDARD ERROR	29.2	34.1	32.7	61.2	23.0		12.9	
% WITH CAPABILITY	4.7	4.0	6.1	0.7	11.5		36.6	
ARKANSAS								
ESTIMATED POPULATION	167	392	237	90	524		1,255	
% STANDARD ERROR	35.9	25.3	37.6	55.3	25.7		16.5	
% WITH CAPABILITY	5.5	12.8	7.8	2.9	17.2		41.1	
CALIFORNIA								
ESTIMATED POPULATION	1,960	1,789	1,378	321	3,923		7,962	
% STANDARD ERROR	11.6	12.1	15.2	28.3	9.3		6.3	
% WITH CAPABILITY	7.2	6.6	5.1	1.2	14.4		29.3	
COLORADO								
ESTIMATED POPULATION	250	357	252	50	757		1,721	
% STANDARD ERROR	30.3	27.3	35.2	82.4	22.1		14.6	
% WITH CAPABILITY	5.4	7.7	5.4	1.1	16.3		37.1	
CONNECTICUT								
ESTIMATED POPULATION	137	111	211	14	331		671	
% STANDARD ERROR	46.5	49.1	41.9	*	35.0		22.5	
% WITH CAPABILITY	7.1	5.8	11.0	0.7	17.2		34.9	

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STATE	BASIC NAVIGATION EQUIPMENT									
	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV		
DELAWARE										
ESTIMATED POPULATION	45	254	219	987	1,090	928	819	408		
% STANDARD ERROR	60.7	35.1	38.9	18.9	17.8	19.0	20.1	26.0		
% WITH CAPABILITY	2.9	16.2	14.0	63.0	69.6	59.2	52.3	26.0		
DISTRICT OF COLUMBIA										
ESTIMATED POPULATION	5	5	5	19	24	23	21	5		
% STANDARD ERROR	*	*	*	*	*	*	*	*		
% WITH CAPABILITY	16.5	16.5	16.8	64.8	83.3	78.0	72.1	16.5		
FLORIDA										
ESTIMATED POPULATION	562	2,716	1,106	6,607	7,683	7,901	5,455	1,834		
% STANDARD ERROR	24.8	10.9	18.4	7.3	6.8	6.6	7.9	13.1		
% WITH CAPABILITY	4.8	23.0	9.4	55.9	65.0	66.8	46.1	15.5		
GEORGIA										
ESTIMATED POPULATION	70	1,007	251	2,399	2,522	2,500	1,897	819		
% STANDARD ERROR	58.6	19.3	38.1	12.5	11.9	12.0	13.6	19.4		
% WITH CAPABILITY	1.6	22.6	5.6	53.9	56.6	56.1	42.6	18.4		
HAWAII										
ESTIMATED POPULATION	0	152	15	298	212	175	184	16		
% STANDARD ERROR	0.0	47.7	*	28.9	37.6	39.1	39.1	*		
% WITH CAPABILITY	0.0	27.8	2.8	54.6	38.8	32.1	33.7	2.9		
IDAHO										
ESTIMATED POPULATION	112	774	194	787	946	1,044	529	224		
% STANDARD ERROR	56.6	23.0	46.3	20.1	19.3	18.8	24.9	37.8		
% WITH CAPABILITY	4.8	33.4	8.4	34.0	40.9	45.1	22.9	9.7		
ILLINOIS										
ESTIMATED POPULATION	317	1,748	932	4,055	4,227	4,154	3,210	1,271		
% STANDARD ERROR	36.2	14.6	20.8	9.5	9.4	9.4	10.5	15.9		
% WITH CAPABILITY	4.3	24.0	12.8	55.6	57.9	56.9	44.0	17.4		

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LONG RANGE NAVIGATION EQUIPMENT

STATE	LORAN-----					APP IFR	OMEGA	OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	IFR NAV	IFR NAV			
DELAWARE	133	654	117	41	8	22		
ESTIMATED POPULATION	51.5	23.0	47.9	83.7	*	49.4		
% STANDARD ERROR	8.5	41.7	7.5	2.6		1.4	0.5	
% WITH CAPABILITY								
DISTRICT OF COLUMBIA	11	5	5	5	3	0		
ESTIMATED POPULATION	*	*	*	*	*	0.0		
% STANDARD ERROR	36.5	16.8	16.5	16.5		0.0	8.7	
% WITH CAPABILITY								
FLORIDA	1,053	4,548	924	238	95	261		
ESTIMATED POPULATION	17.4	8.7	19.7	38.3	*	27.2	61.5	
% STANDARD ERROR	8.9	38.5	7.8	2.0		2.2	0.8	
% WITH CAPABILITY								
GEORGIA	245	2,114	428	31	12	55		
ESTIMATED POPULATION	33.5	13.4	27.8	*	*	49.0		
% STANDARD ERROR	5.5	47.5	9.6	0.7		1.2	0.3	
% WITH CAPABILITY								
HAWAII	6	74	4	2	3	4		
ESTIMATED POPULATION	*	57.7	*	*	*	*		
% STANDARD ERROR	1.1	13.5	0.6	0.4		0.8	0.5	
% WITH CAPABILITY								
IDAHO	19	695	19	0	4	9		
ESTIMATED POPULATION	*	22.5	*	0.0	*	98.6		
% STANDARD ERROR	0.8	30.0	0.8	0.0		0.4	0.2	
% WITH CAPABILITY								
ILLINOIS	852	2,962	565	124	74	127		
ESTIMATED POPULATION	20.4	11.4	25.5	46.0	*	36.6	51.0	
% STANDARD ERROR	11.7	40.6	7.7	1.7		1.7	1.0	
% WITH CAPABILITY								

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STATE	OTHER NAVIGATION EQUIPMENT						GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPS SYSTEM	GPS SYSTEM			
DELAWARE	147	265	245	53	376	380		
ESTIMATED POPULATION	38.5	31.4	36.4	79.7	31.2	27.7		
% STANDARD ERROR	9.4	16.9	15.6	3.4	24.0	24.3		
% WITH CAPABILITY								
DISTRICT OF COLUMBIA	9	9	6	9	0	0		
ESTIMATED POPULATION	*	*	*	*	0.0	0.0		
% STANDARD ERROR	32.5	32.5	20.0	32.5	0.0	0.0		
% WITH CAPABILITY								
FLORIDA	1,246	1,288	1,788	357	2,155	2,315		
ESTIMATED POPULATION	14.7	13.7	13.8	29.4	12.4	11.9		
% STANDARD ERROR	10.5	10.9	15.1	3.0	18.2	19.6		
% WITH CAPABILITY								
GEORGIA	620	660	477	32	461	1,030		
ESTIMATED POPULATION	19.8	19.7	25.3	81.4	26.2	17.9		
% STANDARD ERROR	13.9	14.8	10.7	0.7	10.3	23.1		
% WITH CAPABILITY								
HAWAII	19	75	62	8	122	320		
ESTIMATED POPULATION	*	56.4	62.1	*	43.9	28.4		
% STANDARD ERROR	3.5	13.7	11.4	1.4	22.4	58.5		
% WITH CAPABILITY								
IDAHO	170	163	4	69	475	913		
ESTIMATED POPULATION	42.1	42.1	*	48.6	27.3	18.3		
% STANDARD ERROR	7.3	7.0	0.2	3.0	20.5	39.4		
% WITH CAPABILITY								
ILLINOIS	797	914	901	183	1,017	2,079		
ESTIMATED POPULATION	18.4	17.8	19.6	38.0	18.3	13.0		
% STANDARD ERROR	10.9	12.5	12.4	2.5	13.9	28.5		
% WITH CAPABILITY								

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BASIC NAVIGATION EQUIPMENT

STATE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
INDIANA								
ESTIMATED POPULATION	67	977	392	2,578	2,664	2,474	1,611	837
% STANDARD ERROR	71.9	20.0	29.2	11.8	11.8	12.2	14.6	20.0
% WITH CAPABILITY	1.5	21.4	8.6	56.4	58.3	54.2	35.3	18.3
IOWA								
ESTIMATED POPULATION	136	751	264	1,336	1,496	1,248	827	462
% STANDARD ERROR	56.3	22.2	34.7	16.9	15.9	17.2	20.2	27.2
% WITH CAPABILITY	4.4	24.1	8.5	42.8	47.9	40.0	26.5	14.8
KANSAS								
ESTIMATED POPULATION	168	1,096	294	1,947	2,084	2,027	1,526	736
% STANDARD ERROR	45.6	19.2	37.9	13.6	13.3	13.7	15.3	21.4
% WITH CAPABILITY	4.5	29.1	7.8	51.6	55.3	53.8	40.5	19.5
KENTUCKY								
ESTIMATED POPULATION	77	493	280	928	1,061	1,031	892	234
% STANDARD ERROR	65.1	28.5	39.4	20.1	19.1	19.3	20.5	36.0
% WITH CAPABILITY	3.3	21.1	12.0	39.7	45.4	44.1	38.1	10.0
LOUISIANA								
ESTIMATED POPULATION	44	265	320	1,380	1,547	1,400	1,016	291
% STANDARD ERROR	81.2	36.6	34.8	16.7	15.7	16.1	18.9	33.0
% WITH CAPABILITY	1.5	9.1	11.0	47.3	53.0	48.0	34.8	10.0
MAINE								
ESTIMATED POPULATION	110	292	135	617	699	589	152	53
% STANDARD ERROR	65.5	38.7	53.5	25.1	24.3	25.7	45.3	73.7
% WITH CAPABILITY	8.3	22.1	10.2	46.7	52.9	44.6	11.5	4.0
MARYLAND								
ESTIMATED POPULATION	57	426	332	1,611	1,574	1,350	1,084	213
% STANDARD ERROR	85.6	28.7	35.5	15.1	15.6	16.4	18.0	35.0
% WITH CAPABILITY	1.9	14.3	11.2	54.1	52.9	45.3	36.4	7.2

7.14 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
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LONG RANGE NAVIGATION EQUIPMENT

STATE	L R NAV		VFR ONLY		IFR NAV		APP IFR		OMEGA	OTHER LRNAV
INDIANA	306	1,400	385	150	176	11				
ESTIMATED POPULATION	29.4	16.4	29.3	39.8	31.2	*				
% STANDARD ERROR	6.7	30.7	8.4	3.3	3.8	0.2				
% WITH CAPABILITY										
IOWA	346	970	214	45	16	17				
ESTIMATED POPULATION	31.8	20.0	41.4	92.6	*	*				
% STANDARD ERROR	11.1	31.1	6.9	1.5	0.5	0.5				
% WITH CAPABILITY										
KANSAS	469	1,235	200	39	126	13				
ESTIMATED POPULATION	28.3	17.6	40.1	*	41.7	87.1				
% STANDARD ERROR	12.5	32.8	5.3	1.0	3.3	0.3				
% WITH CAPABILITY										
KENTUCKY	221	1,046	180	45	18	2				
ESTIMATED POPULATION	41.0	20.0	43.3	96.1	87.7	80.2				
% STANDARD ERROR	9.4	44.7	7.7	1.9	0.8	0.1				
% WITH CAPABILITY										
LOUISIANA	178	996	164	30	63	17				
ESTIMATED POPULATION	42.7	18.9	46.1	99.2	57.2	*				
% STANDARD ERROR	6.1	34.1	5.6	1.0	2.1	0.6				
% WITH CAPABILITY										
MAINE	56	753	40	3	3	3				
ESTIMATED POPULATION	83.9	23.7	88.2	*	*	*				
% STANDARD ERROR	4.2	57.0	3.0	0.2	0.2	0.2				
% WITH CAPABILITY										
MARYLAND	117	751	160	18	5	9				
ESTIMATED POPULATION	52.2	21.7	46.1	71.1	*	*				
% STANDARD ERROR	3.9	25.2	5.4	0.6	0.2	0.3				
% WITH CAPABILITY										

7.14 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
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STATE	OTHER NAVIGATION EQUIPMENT							GPS SYSTEM	GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	GPS SYSTEM	NO NAV EQ			
INDIANA	350	468	632	56	469	1,572				
ESTIMATED POPULATION	24.8	23.3	22.8	67.3	25.9	14.8				
% STANDARD ERROR	7.7	10.2	13.8	1.2	10.3	34.4				
% WITH CAPABILITY										
IOWA	245	270	294	39	259	1,303				
ESTIMATED POPULATION	36.3	29.7	34.1	94.6	34.9	16.5				
% STANDARD ERROR	7.9	8.7	9.4	1.2	8.3	41.8				
% WITH CAPABILITY										
KANSAS	542	477	382	41	586	1,175				
ESTIMATED POPULATION	23.5	23.9	30.1	81.9	24.4	16.9				
% STANDARD ERROR	14.4	12.7	10.1	1.1	15.5	31.2				
% WITH CAPABILITY										
KENTUCKY	174	319	279	48	143	812				
ESTIMATED POPULATION	37.3	30.3	37.1	73.2	49.5	21.5				
% STANDARD ERROR	7.4	13.6	11.9	2.1	6.1	34.7				
% WITH CAPABILITY										
LOUISIANA	258	245	424	73	292	1,052				
ESTIMATED POPULATION	32.0	31.8	29.4	49.9	35.0	17.8				
% STANDARD ERROR	8.8	8.4	14.5	2.5	10.0	36.0				
% WITH CAPABILITY										
MAINE	22	70	29	6	182	352				
ESTIMATED POPULATION	96.0	64.6	92.0	*	46.5	30.8				
% STANDARD ERROR	1.7	5.3	2.2	0.4	13.8	26.7				
% WITH CAPABILITY										
MARYLAND	182	169	241	59	611	1,079				
ESTIMATED POPULATION	34.3	35.7	35.9	79.4	24.8	17.4				
% STANDARD ERROR	6.1	5.7	8.1	2.0	20.5	36.2				
% WITH CAPABILITY										

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BASIC NAVIGATION EQUIPMENT

STATE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
MASSACHUSETTS								
ESTIMATED POPULATION	102	744	436	1,910	2,315	2,110	1,509	529
% STANDARD ERROR	62.7	24.1	31.6	14.4	13.3	13.9	16.4	26.8
% WITH CAPABILITY	3.2	23.0	13.5	59.0	71.5	65.2	46.6	16.3
MICHIGAN								
ESTIMATED POPULATION	166	1,535	907	3,828	3,990	3,437	2,262	760
% STANDARD ERROR	53.0	16.2	19.4	9.9	9.8	10.4	12.7	20.7
% WITH CAPABILITY	2.3	21.6	12.8	54.0	56.3	48.5	31.9	10.7
MINNESOTA								
ESTIMATED POPULATION	294	1,623	318	2,622	2,574	2,729	1,449	596
% STANDARD ERROR	36.4	15.2	33.5	11.7	12.0	11.7	15.4	22.6
% WITH CAPABILITY	4.8	26.2	5.1	42.3	41.6	44.1	23.4	9.6
MISSISSIPPI								
ESTIMATED POPULATION	111	573	83	807	856	1,003	643	196
% STANDARD ERROR	56.1	26.8	63.0	21.1	20.6	18.9	23.0	37.0
% WITH CAPABILITY	5.5	28.5	4.1	40.2	42.7	50.0	32.1	9.8
MISSOURI								
ESTIMATED POPULATION	115	1,281	418	1,981	2,204	2,004	1,337	795
% STANDARD ERROR	51.9	18.0	29.6	13.7	13.0	13.7	16.2	20.6
% WITH CAPABILITY	2.4	27.2	8.9	42.1	46.9	42.6	28.4	16.9
MONTANA								
ESTIMATED POPULATION	0	516	158	924	1,149	922	656	151
% STANDARD ERROR	0.0	27.6	54.7	20.3	18.5	20.1	23.6	45.3
% WITH CAPABILITY	0.0	22.9	7.0	40.9	50.9	40.8	29.1	6.7
NEBRASKA								
ESTIMATED POPULATION	29	552	217	934	970	851	465	260
% STANDARD ERROR	98.0	26.2	45.5	20.0	19.7	20.5	26.3	34.8
% WITH CAPABILITY	1.2	22.0	8.6	37.2	38.6	33.9	18.5	10.4

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LONG RANGE NAVIGATION EQUIPMENT

STATE	LONG RANGE NAVIGATION EQUIPMENT						OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA	
MASSACHUSETTS	290	1,436	262	24	25	18	
ESTIMATED POPULATION	38.3	16.5	39.2	83.1	90.5	*	
% STANDARD ERROR	8.9	44.4	8.1	0.7	0.8	0.6	
% WITH CAPABILITY							
MICHIGAN	600	3,015	496	48	159	58	
ESTIMATED POPULATION	25.4	11.4	27.7	83.4	35.9	63.2	
% STANDARD ERROR	8.5	42.5	7.0	0.7	2.2	0.8	
% WITH CAPABILITY							
MINNESOTA	251	1,865	169	46	60	4	
ESTIMATED POPULATION	29.5	13.7	43.9	70.5	56.1	*	
% STANDARD ERROR	4.1	30.1	2.7	0.7	1.0	0.1	
% WITH CAPABILITY							
MISSISSIPPI	97	830	163	16	31	9	
ESTIMATED POPULATION	47.5	21.5	47.5	96.7	82.0	*	
% STANDARD ERROR	4.9	41.4	8.1	0.8	1.5	0.4	
% WITH CAPABILITY							
MISSOURI	366	1,368	300	75	81	33	
ESTIMATED POPULATION	28.9	16.4	32.7	54.5	44.1	76.0	
% STANDARD ERROR	7.8	29.1	6.4	1.6	1.7	0.7	
% WITH CAPABILITY							
MONTANA	94	592	97	28	7	5	
ESTIMATED POPULATION	61.0	26.4	58.8	*	*	*	
% STANDARD ERROR	4.2	26.2	4.3	1.2	0.3	0.2	
% WITH CAPABILITY							
NEBRASKA	130	423	191	28	44	10	
ESTIMATED POPULATION	42.8	28.1	44.2	93.0	65.7	*	
% STANDARD ERROR	5.2	16.8	7.6	1.1	1.7	0.4	
% WITH CAPABILITY							

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STATE	OTHER NAVIGATION EQUIPMENT						
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ	
MASSACHUSETTS							
ESTIMATED POPULATION	314	187	406	105	272	818	
% STANDARD ERROR	33.5	41.9	30.0	43.5	38.5	22.0	
% WITH CAPABILITY	9.7	5.8	12.5	3.2	8.4	25.3	
MICHIGAN							
ESTIMATED POPULATION	417	559	861	161	647	2,228	
% STANDARD ERROR	22.1	20.1	20.5	39.8	21.5	12.5	
% WITH CAPABILITY	5.9	7.9	12.1	2.3	9.1	31.4	
MINNESOTA							
ESTIMATED POPULATION	204	345	380	156	651	2,773	
% STANDARD ERROR	34.1	26.4	28.8	47.9	22.2	10.9	
% WITH CAPABILITY	3.3	5.6	6.1	2.5	10.5	44.8	
MISSISSIPPI							
ESTIMATED POPULATION	112	200	89	34	95	725	
% STANDARD ERROR	46.5	35.0	58.6	92.0	56.2	20.8	
% WITH CAPABILITY	5.6	10.0	4.5	1.7	4.7	36.1	
MISSOURI							
ESTIMATED POPULATION	467	470	646	66	537	1,845	
% STANDARD ERROR	24.9	24.3	23.9	41.9	25.7	14.5	
% WITH CAPABILITY	9.9	10.0	13.7	1.4	11.4	39.2	
MONTANA							
ESTIMATED POPULATION	97	93	67	25	390	975	
% STANDARD ERROR	54.3	53.4	71.6	*	30.6	19.1	
% WITH CAPABILITY	4.3	4.1	3.0	1.1	17.3	43.2	
NEBRASKA							
ESTIMATED POPULATION	185	173	109	44	192	1,374	
% STANDARD ERROR	38.9	38.5	52.8	88.4	41.4	15.3	
% WITH CAPABILITY	7.3	6.9	4.3	1.8	7.6	54.7	

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BASIC NAVIGATION EQUIPMENT

STATE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
NEVADA								
ESTIMATED POPULATION	27	578	248	1,379	1,410	1,214	937	343
% STANDARD ERROR	75.8	25.3	37.7	15.7	16.1	17.1	19.1	30.7
% WITH CAPABILITY	1.2	25.1	10.8	59.9	61.2	52.7	40.7	14.9
NEW HAMPSHIRE								
ESTIMATED POPULATION	84	462	149	755	783	774	439	131
% STANDARD ERROR	67.0	28.1	50.7	22.1	21.6	21.7	27.7	42.8
% WITH CAPABILITY	4.2	22.9	7.4	37.4	38.8	38.4	21.8	6.5
NEW JERSEY								
ESTIMATED POPULATION	136	691	782	2,266	2,509	2,375	1,925	815
% STANDARD ERROR	57.0	24.1	22.8	12.7	12.2	12.6	13.7	20.5
% WITH CAPABILITY	3.6	18.3	20.7	60.0	66.4	62.9	51.0	21.6
NEW MEXICO								
ESTIMATED POPULATION	202	498	134	888	1,312	1,163	1,005	344
% STANDARD ERROR	45.1	27.8	51.8	19.9	16.9	17.6	18.8	29.4
% WITH CAPABILITY	7.8	19.1	5.2	34.1	50.4	44.7	38.6	13.2
NEW YORK								
ESTIMATED POPULATION	714	1,656	472	3,480	3,624	3,111	1,827	644
% STANDARD ERROR	24.5	15.0	27.5	10.4	10.2	11.0	13.8	22.2
% WITH CAPABILITY	10.8	25.0	7.1	52.5	54.7	47.0	27.6	9.7
NORTH CAROLINA								
ESTIMATED POPULATION	267	1,270	474	2,622	2,779	2,327	1,737	696
% STANDARD ERROR	37.7	18.5	28.3	12.2	12.0	13.0	14.7	23.6
% WITH CAPABILITY	6.1	28.8	10.8	59.6	63.1	52.9	39.5	15.8
NORTH DAKOTA								
ESTIMATED POPULATION	146	507	127	565	854	571	452	225
% STANDARD ERROR	51.6	29.2	56.2	26.2	21.7	26.1	29.7	39.6
% WITH CAPABILITY	6.8	23.7	5.9	26.4	39.9	26.7	21.1	10.5

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LONG RANGE NAVIGATION EQUIPMENT

STATE	LORAN				OMEGA	OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	APP IFR		
NEVADA						
ESTIMATED POPULATION	154	895	79	32	39	1
% STANDARD ERROR	41.0	20.4	61.9	98.3	51.1	52.7
% WITH CAPABILITY	6.7	38.9	3.4	1.4	1.7	0.0
NEW HAMPSHIRE						
ESTIMATED POPULATION	98	568	88	5	10	1
% STANDARD ERROR	61.5	25.7	61.1	*	*	*
% WITH CAPABILITY	4.9	28.1	4.3	0.3	0.5	0.0
NEW JERSEY						
ESTIMATED POPULATION	437	1,490	380	0	110	26
% STANDARD ERROR	27.2	16.0	28.5	0.0	41.9	83.4
% WITH CAPABILITY	11.6	39.4	10.1	0.0	2.9	0.7
NEW MEXICO						
ESTIMATED POPULATION	260	586	95	0	38	2
% STANDARD ERROR	37.3	24.6	64.3	0.0	78.8	*
% WITH CAPABILITY	10.0	22.5	3.6	0.0	1.5	0.1
NEW YORK						
ESTIMATED POPULATION	384	2,546	296	166	87	65
% STANDARD ERROR	28.5	12.5	33.7	49.1	34.1	36.7
% WITH CAPABILITY	5.8	38.4	4.5	2.5	1.3	1.0
NORTH CAROLINA						
ESTIMATED POPULATION	222	2,039	114	32	47	9
% STANDARD ERROR	39.0	13.9	76.3	92.3	47.1	100.0
% WITH CAPABILITY	5.0	46.3	2.6	0.7	1.1	0.2
NORTH DAKOTA						
ESTIMATED POPULATION	87	300	94	39	10	0
% STANDARD ERROR	65.8	34.9	65.9	95.7	*	0.0
% WITH CAPABILITY	4.0	14.0	4.4	1.8	0.4	0.0

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STATE	OTHER NAVIGATION EQUIPMENT						
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ	
NEVADA							
ESTIMATED POPULATION	101	146	195	73	159	736	
% STANDARD ERROR	42.3	40.3	42.0	63.8	43.8	19.3	
% WITH CAPABILITY	4.4	6.3	8.5	3.2	6.9	32.0	
NEW HAMPSHIRE							
ESTIMATED POPULATION	68	74	63	38	159	1,024	
% STANDARD ERROR	52.0	52.3	62.0	89.8	41.4	18.5	
% WITH CAPABILITY	3.4	3.7	3.1	1.9	7.9	50.7	
NEW JERSEY							
ESTIMATED POPULATION	439	436	642	23	412	892	
% STANDARD ERROR	24.5	24.0	23.8	79.4	28.5	20.4	
% WITH CAPABILITY	11.6	11.5	17.0	0.6	10.9	23.6	
NEW MEXICO							
ESTIMATED POPULATION	233	194	238	24	441	1,219	
% STANDARD ERROR	34.3	35.8	38.6	91.4	28.5	16.0	
% WITH CAPABILITY	9.0	7.5	9.1	0.9	17.0	46.9	
NEW YORK							
ESTIMATED POPULATION	390	332	544	119	460	2,310	
% STANDARD ERROR	24.6	23.4	23.3	40.1	27.7	12.3	
% WITH CAPABILITY	5.9	5.0	8.2	1.8	6.9	34.9	
NORTH CAROLINA							
ESTIMATED POPULATION	264	631	735	72	679	1,072	
% STANDARD ERROR	37.9	23.4	22.0	56.7	24.8	18.2	
% WITH CAPABILITY	6.0	14.3	16.7	1.6	15.4	24.4	
NORTH DAKOTA							
ESTIMATED POPULATION	67	134	66	32	320	1,231	
% STANDARD ERROR	69.8	50.5	73.3	*	35.5	16.5	
% WITH CAPABILITY	3.1	6.3	3.1	1.5	14.9	57.5	

7.14 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
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STATE	BASIC NAVIGATION EQUIPMENT									
	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV		
OHIO										
ESTIMATED POPULATION	146	1,575	506	3,966	4,157	3,656	1,945	836		
% STANDARD ERROR	45.9	16.0	27.7	9.7	9.5	10.1	13.1	18.7		
% WITH CAPABILITY	2.2	23.8	7.6	59.8	62.7	55.1	29.3	12.6		
OKLAHOMA										
ESTIMATED POPULATION	255	928	326	2,178	2,275	2,077	1,395	564		
% STANDARD ERROR	40.8	21.3	35.6	13.1	13.0	13.5	16.3	23.7		
% WITH CAPABILITY	6.3	23.1	8.1	54.1	56.6	51.6	34.7	14.0		
OREGON										
ESTIMATED POPULATION	242	719	473	2,471	2,562	2,364	1,792	588		
% STANDARD ERROR	41.8	22.4	26.7	12.2	11.8	12.3	14.1	23.4		
% WITH CAPABILITY	4.9	14.5	9.5	49.7	51.6	47.6	36.1	11.8		
PENNSYLVANIA										
ESTIMATED POPULATION	355	1,574	588	3,346	3,488	3,143	2,283	987		
% STANDARD ERROR	35.3	16.0	24.8	10.8	10.5	11.1	12.9	18.9		
% WITH CAPABILITY	5.8	25.6	9.5	54.4	56.7	51.1	37.1	16.0		
RHODE ISLAND										
ESTIMATED POPULATION	25	155	100	408	439	398	287	105		
% STANDARD ERROR	*	52.8	62.1	31.1	29.8	31.3	36.1	56.8		
% WITH CAPABILITY	2.9	17.6	11.4	46.5	50.0	45.3	32.7	12.0		
SOUTH CAROLINA										
ESTIMATED POPULATION	34	527	207	1,083	1,259	1,036	684	289		
% STANDARD ERROR	*	28.4	40.6	18.5	17.7	19.4	22.8	33.5		
% WITH CAPABILITY	1.4	22.6	8.9	46.5	54.1	44.5	29.4	12.4		
SOUTH DAKOTA										
ESTIMATED POPULATION	10	366	41	337	494	447	384	105		
% STANDARD ERROR	*	32.3	86.4	32.4	28.1	29.2	31.1	54.6		
% WITH CAPABILITY	0.5	19.9	2.2	18.3	26.8	24.3	20.8	5.7		

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LONG RANGE NAVIGATION EQUIPMENT

STATE	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	APP IFR	OMEGA			
OHIO	345	2,614	377	42	184	35		
ESTIMATED POPULATION	24.2	12.0	28.6	70.1	29.5	75.9		
% STANDARD ERROR	5.2	39.4	5.7	0.6	2.8	0.5		
% WITH CAPABILITY								
OKLAHOMA	295	1,518	99	1	93	90		
ESTIMATED POPULATION	32.3	15.9	66.5	*	43.2	66.9		
% STANDARD ERROR	7.3	37.7	2.5	0.0	2.3	2.2		
% WITH CAPABILITY								
OREGON	146	2,133	281	79	72	37		
ESTIMATED POPULATION	35.8	13.1	33.3	53.4	40.9	*		
% STANDARD ERROR	2.9	42.9	5.7	1.6	1.4	0.7		
% WITH CAPABILITY								
PENNSYLVANIA	452	2,485	460	56	135	0		
ESTIMATED POPULATION	24.3	12.3	27.6	76.8	46.1	0.0		
% STANDARD ERROR	7.4	40.4	7.5	0.9	2.2	0.0		
% WITH CAPABILITY								
RHODE ISLAND	23	279	89	1	2	0		
ESTIMATED POPULATION	*	39.7	62.4	*	*	0.0		
% STANDARD ERROR	2.6	31.8	10.1	0.2	0.3	0.0		
% WITH CAPABILITY								
SOUTH CAROLINA	73	742	49	0	32	11		
ESTIMATED POPULATION	74.2	22.7	75.9	0.0	96.6	*		
% STANDARD ERROR	3.1	31.9	2.1	0.0	1.4	0.5		
% WITH CAPABILITY								
SOUTH DAKOTA	21	258	33	1	6	17		
ESTIMATED POPULATION	*	37.8	*	*	*	*		
% STANDARD ERROR	1.1	14.0	1.8	0.1	0.4	0.9		
% WITH CAPABILITY								

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STATE	OTHER NAVIGATION EQUIPMENT							NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM			
OHIO								
ESTIMATED POPULATION	482	711	658	55	536	1,779		
% STANDARD ERROR	21.0	19.2	23.0	37.8	27.2	14.1		
% WITH CAPABILITY	7.3	10.7	9.9	0.8	8.1	26.8		
OKLAHOMA								
ESTIMATED POPULATION	316	411	299	88	459	1,168		
% STANDARD ERROR	29.4	26.9	32.7	55.5	27.1	17.3		
% WITH CAPABILITY	7.9	10.2	7.4	2.2	11.4	29.0		
OREGON								
ESTIMATED POPULATION	354	409	298	84	715	1,552		
% STANDARD ERROR	25.4	24.9	34.4	50.7	21.1	15.1		
% WITH CAPABILITY	7.1	8.2	6.0	1.7	14.4	31.2		
PENNSYLVANIA								
ESTIMATED POPULATION	465	626	579	23	434	1,933		
% STANDARD ERROR	25.4	22.5	25.3	95.3	27.6	13.0		
% WITH CAPABILITY	7.5	10.2	9.4	0.4	7.0	31.4		
RHODE ISLAND								
ESTIMATED POPULATION	12	59	105	0	31	353		
% STANDARD ERROR	*	70.9	57.2	0.0	*	35.5		
% WITH CAPABILITY	1.4	6.7	11.9	0.0	3.5	40.2		
SOUTH CAROLINA								
ESTIMATED POPULATION	156	169	256	27	324	847		
% STANDARD ERROR	43.2	42.0	35.9	*	32.4	19.8		
% WITH CAPABILITY	6.7	7.3	11.0	1.2	13.9	36.4		
SOUTH DAKOTA								
ESTIMATED POPULATION	47	59	50	38	116	1,187		
% STANDARD ERROR	72.0	66.1	87.0	92.1	55.3	16.2		
% WITH CAPABILITY	2.5	3.2	2.7	2.1	6.3	64.4		

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BASIC NAVIGATION EQUIPMENT

STATE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
TENNESSEE								
ESTIMATED POPULATION	53	730	523	2,030	2,289	2,155	1,522	520
% STANDARD ERROR	63.0	24.7	28.0	13.6	12.9	13.4	15.3	24.3
% WITH CAPABILITY	1.5	20.4	14.6	56.8	64.1	60.3	42.6	14.6
TEXAS								
ESTIMATED POPULATION	459	3,551	1,235	7,535	8,291	8,032	6,100	2,329
% STANDARD ERROR	27.1	10.5	17.6	7.0	6.6	6.7	7.5	11.5
% WITH CAPABILITY	3.1	24.4	8.5	51.7	56.9	55.2	41.9	16.0
UTAH								
ESTIMATED POPULATION	97	364	208	902	777	647	435	158
% STANDARD ERROR	63.5	33.2	45.8	20.1	21.7	23.3	27.1	40.4
% WITH CAPABILITY	4.6	17.4	9.9	43.0	37.0	30.8	20.7	7.5
VERMONT								
ESTIMATED POPULATION	61	147	48	262	286	223	145	36
% STANDARD ERROR	81.6	52.1	85.0	36.6	37.7	41.4	51.2	89.7
% WITH CAPABILITY	5.9	14.2	4.7	25.3	27.6	21.5	14.0	3.4
VIRGINIA								
ESTIMATED POPULATION	162	931	468	1,839	2,022	1,681	1,355	500
% STANDARD ERROR	47.0	20.2	29.7	14.2	13.6	14.7	16.2	24.3
% WITH CAPABILITY	4.2	24.0	12.0	47.3	52.0	43.2	34.8	12.8
WASHINGTON								
ESTIMATED POPULATION	491	1,348	680	2,890	3,005	2,850	1,412	386
% STANDARD ERROR	28.5	16.8	23.5	11.4	11.5	11.6	16.6	29.3
% WITH CAPABILITY	7.5	20.5	10.3	43.9	45.7	43.3	21.5	5.9
WEST VIRGINIA								
ESTIMATED POPULATION	33	273	32	622	616	612	512	76
% STANDARD ERROR	*	40.8	89.5	25.3	26.2	25.5	28.6	60.6
% WITH CAPABILITY	2.1	17.4	2.1	39.7	39.3	39.1	32.7	4.8

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LONG RANGE NAVIGATION EQUIPMENT

STATE	LONG RANGE NAVIGATION EQUIPMENT										OTHER LRNAV
	L R NAV	VFR ONLY	LORAN		IFR NAV	APP IFR	OMEGA				
TENNESSEE	156	1,386	273	102	72	2					
ESTIMATED POPULATION	36.9	17.0	34.2	60.4	53.9	*					
% STANDARD ERROR	4.4	38.8	7.6	2.9	2.0	0.0					
% WITH CAPABILITY											
TEXAS	1,258	4,797	1,090	105	163	135					
ESTIMATED POPULATION	15.8	8.8	17.4	53.8	23.0	51.8					
% STANDARD ERROR	8.6	32.9	7.5	0.7	1.1	0.9					
% WITH CAPABILITY											
UTAH	21	537	50	9	21	50					
ESTIMATED POPULATION	*	25.9	66.5	*	*	95.4					
% STANDARD ERROR	1.0	25.6	2.4	0.4	1.0	2.4					
% WITH CAPABILITY											
VERMONT	5	245	8	1	0	0					
ESTIMATED POPULATION	*	40.1	*	*	0.0	0.0					
% STANDARD ERROR	0.5	23.6	0.8	0.1	0.0	0.0					
% WITH CAPABILITY											
VIRGINIA	212	1,170	296	78	93	41					
ESTIMATED POPULATION	31.9	17.5	33.5	56.5	44.5	78.4					
% STANDARD ERROR	5.4	30.1	7.6	2.0	2.4	1.1					
% WITH CAPABILITY											
WASHINGTON	258	2,197	171	29	50	14					
ESTIMATED POPULATION	36.5	13.1	42.5	*	64.7	*					
% STANDARD ERROR	3.9	33.4	2.6	0.4	0.8	0.2					
% WITH CAPABILITY											
WEST VIRGINIA	123	553	71	28	9	2					
ESTIMATED POPULATION	59.0	27.1	66.7	*	*	*					
% STANDARD ERROR	7.8	35.3	4.5	1.8	0.6	0.1					
% WITH CAPABILITY											

7.14 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
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STATE	OTHER NAVIGATION EQUIPMENT						
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ	
TENNESSEE							
ESTIMATED POPULATION	210	417	596	18	332	863	
% STANDARD ERROR	34.8	24.7	25.7	*	30.2	20.9	
% WITH CAPABILITY	5.9	11.7	16.7	0.5	9.3	24.2	
TEXAS							
ESTIMATED POPULATION	1,322	1,364	1,759	271	2,358	4,380	
% STANDARD ERROR	14.4	13.6	13.8	30.1	11.8	8.5	
% WITH CAPABILITY	9.1	9.4	12.1	1.9	16.2	30.1	
UTAH							
ESTIMATED POPULATION	148	90	133	16	157	1,080	
% STANDARD ERROR	40.7	55.0	50.7	*	47.5	18.9	
% WITH CAPABILITY	7.0	4.3	6.3	0.8	7.5	51.5	
VERMONT							
ESTIMATED POPULATION	16	18	20	0	109	693	
% STANDARD ERROR	*	*	*	0.0	54.6	21.7	
% WITH CAPABILITY	1.5	1.7	2.0	0.0	10.5	66.9	
VIRGINIA							
ESTIMATED POPULATION	274	382	381	88	552	1,545	
% STANDARD ERROR	29.4	25.7	29.5	60.6	25.4	14.3	
% WITH CAPABILITY	7.0	9.8	9.8	2.3	14.2	39.7	
WASHINGTON							
ESTIMATED POPULATION	286	238	190	77	981	2,417	
% STANDARD ERROR	29.7	33.7	40.6	53.1	19.9	11.4	
% WITH CAPABILITY	4.3	3.6	2.9	1.2	14.9	36.7	
WEST VIRGINIA							
ESTIMATED POPULATION	85	90	71	6	162	787	
% STANDARD ERROR	49.5	57.5	70.3	*	52.3	22.7	
% WITH CAPABILITY	5.4	5.8	4.5	0.4	10.4	50.3	

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BASIC NAVIGATION EQUIPMENT

STATE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
WISCONSIN								
ESTIMATED POPULATION	218	1,188	340	2,321	2,238	2,074	1,250	524
% STANDARD ERROR	42.8	17.7	33.8	13.0	13.2	13.7	17.1	25.3
% WITH CAPABILITY	4.6	25.3	7.2	49.4	47.6	44.1	26.6	11.2
WYOMING								
ESTIMATED POPULATION	3	320	20	460	306	377	189	107
% STANDARD ERROR	*	34.5	*	27.7	32.8	30.2	39.3	48.4
% WITH CAPABILITY	0.2	25.5	1.6	36.8	24.4	30.1	15.1	8.5
PUERTO RICO								
ESTIMATED POPULATION	29	303	133	339	646	580	430	74
% STANDARD ERROR	93.7	38.9	59.5	34.2	25.0	25.6	29.3	61.3
% WITH CAPABILITY	2.9	30.4	13.3	33.9	64.7	58.1	43.1	7.4
OTHER U.S. TERRITORIES								
ESTIMATED POPULATION	1	1	59	105	99	148	92	3
% STANDARD ERROR	*	*	60.8	46.7	48.8	37.5	47.8	*
% WITH CAPABILITY	0.6	0.7	32.7	58.1	55.0	81.8	51.0	1.8
TOTAL ALL AIRCRAFT								
ESTIMATED POPULATION	8,901	48,707	20,550	111,240	118,514	110,127	76,837	27,857
% STANDARD ERROR	6.4	2.4	4.1	1.2	0.8	1.0	1.4	2.7
% WITH CAPABILITY	3.6	20.0	8.4	45.6	48.6	45.1	31.5	11.4

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

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LONG RANGE NAVIGATION EQUIPMENT

STATE	LORAN				APP IFR	OMEGA	OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	IFR NAV			
WISCONSIN	277	1,712	288	29	56	3	
ESTIMATED POPULATION	35.6	15.6	34.9	88.4	56.6	*	
% STANDARD ERROR	5.9	36.4	6.1	0.6	1.2	0.1	
% WITH CAPABILITY							
WYOMING	9	264	16	0	7	10	
ESTIMATED POPULATION	*	37.7	*	0.0	*	*	
% STANDARD ERROR	0.7	21.1	1.3	0.0	0.6	0.8	
% WITH CAPABILITY							
PUERTO RICO	37	215	55	37	0	0	
ESTIMATED POPULATION	*	46.8	78.5	*	0.0	0.0	
% STANDARD ERROR	3.7	21.5	5.5	3.7	0.0	0.0	
% WITH CAPABILITY							
OTHER U.S. TERRITORIES	8	68	3	3	0	0	
ESTIMATED POPULATION	*	51.5	*	*	0.0	0.0	
% STANDARD ERROR	4.4	37.6	1.7	1.7	0.0	0.0	
% WITH CAPABILITY							
TOTAL ALL AIRCRAFT	13,676	76,287	12,033	2,468	3,356	1,229	
ESTIMATED POPULATION	4.4	1.7	5.1	11.2	5.0	12.8	
% STANDARD ERROR	5.6	31.3	4.9	1.0	1.4	0.5	
% WITH CAPABILITY							

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

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STATE	OTHER NAVIGATION EQUIPMENT						GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ		
WISCONSIN								
ESTIMATED POPULATION	321	312	463	131	505	1,626		
% STANDARD ERROR	28.6	29.9	27.4	53.1	26.1	14.3		
% WITH CAPABILITY	6.8	6.6	9.8	2.8	10.7	34.6		
WYOMING								
ESTIMATED POPULATION	48	73	80	20	77	674		
% STANDARD ERROR	66.7	59.7	63.4	*	60.3	22.6		
% WITH CAPABILITY	3.9	5.9	6.4	1.6	6.1	53.8		
PUERTO RICO								
ESTIMATED POPULATION	93	103	18	16	106	375		
% STANDARD ERROR	65.6	63.1	*	*	58.7	34.2		
% WITH CAPABILITY	9.3	10.3	1.8	1.6	10.6	37.5		
OTHER U.S. TERRITORIES								
ESTIMATED POPULATION	0	21	16	0	123	23		
% STANDARD ERROR	0.0	89.5	*	0.0	39.8	83.3		
% WITH CAPABILITY	0.0	11.7	9.1	0.0	68.0	12.5		
TOTAL ALL AIRCRAFT	16,079	18,373	19,724	3,633	28,866	74,346		
ESTIMATED POPULATION	3.0	2.4	3.6	8.1	3.2	1.5		
% STANDARD ERROR	6.6	7.5	8.1	1.5	11.8	30.5		

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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BASIC NAVIGATION EQUIPMENT

AGE OF AIRCRAFT	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
1 TO 5 YEARS OLD								
ESTIMATED POPULATION	306	599	1,024	4,528	3,595	3,690	3,381	1,449
% STANDARD ERROR	37.3	21.5	19.7	7.6	8.3	7.9	8.4	12.8
% WITH CAPABILITY	0.7	1.4	2.3	10.3	8.2	8.4	7.7	3.3
6 TO 10 YEARS OLD								
ESTIMATED POPULATION	166	737	835	4,757	4,825	4,934	4,574	2,996
% STANDARD ERROR	43.6	18.5	20.3	7.5	7.1	7.0	7.2	8.8
% WITH CAPABILITY	0.5	2.0	2.3	13.0	13.2	13.5	12.5	8.2
11 TO 15 YEARS OLD								
ESTIMATED POPULATION	830	4,366	2,338	17,246	19,019	18,963	16,231	7,719
% STANDARD ERROR	21.2	9.3	12.6	4.3	4.0	4.0	4.3	6.0
% WITH CAPABILITY	2.2	11.5	6.2	45.5	50.2	50.0	42.8	20.4
16 TO 20 YEARS OLD								
ESTIMATED POPULATION	1,892	8,810	3,459	25,814	29,080	28,216	20,579	7,654
% STANDARD ERROR	14.7	6.6	10.5	3.5	3.2	3.2	3.8	6.2
% WITH CAPABILITY	6.4	29.7	11.7	87.2	98.2	95.3	69.5	25.8
21 TO 25 YEARS OLD								
ESTIMATED POPULATION	1,133	6,012	2,681	13,872	15,555	14,866	9,815	3,107
% STANDARD ERROR	18.9	8.0	12.1	5.1	4.7	4.9	6.0	10.3
% WITH CAPABILITY	4.6	24.4	10.9	56.3	63.1	60.3	39.8	12.6
26 TO 30 YEARS OLD								
ESTIMATED POPULATION	1,465	9,476	2,981	17,059	19,887	17,075	10,044	2,336
% STANDARD ERROR	16.5	6.4	11.7	4.5	4.1	4.4	5.7	11.8
% WITH CAPABILITY	26.8	100.0	54.6	100.0	100.0	100.0	100.0	42.8

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

LONG RANGE NAVIGATION EQUIPMENT

AGE OF AIRCRAFT	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA		
1 TO 5 YEARS OLD								
ESTIMATED POPULATION	1,085	2,518		1,096	231	528	166	
% STANDARD ERROR	14.3	11.1		14.5	29.0	18.6	34.3	
% WITH CAPABILITY	2.5	5.7		2.5	0.5	1.2	0.4	
6 TO 10 YEARS OLD								
ESTIMATED POPULATION	1,263	3,066		1,185	272	704	253	
% STANDARD ERROR	12.8	9.5		15.8	29.5	14.2	24.4	
% WITH CAPABILITY	3.5	8.4		3.2	0.7	1.9	0.7	
11 TO 15 YEARS OLD								
ESTIMATED POPULATION	2,954	10,310		2,193	390	1,028	403	
% STANDARD ERROR	9.6	5.7		12.3	26.9	11.2	26.8	
% WITH CAPABILITY	7.8	27.2		5.8	1.0	2.7	1.1	
16 TO 20 YEARS OLD								
ESTIMATED POPULATION	3,379	16,887		2,928	825	617	72	
% STANDARD ERROR	9.9	4.5		11.0	20.9	15.6	65.2	
% WITH CAPABILITY	11.4	57.0		9.9	2.8	2.1	0.2	
21 TO 25 YEARS OLD								
ESTIMATED POPULATION	1,406	10,320		1,031	123	91	52	
% STANDARD ERROR	15.4	6.0		18.2	52.7	40.9	79.3	
% WITH CAPABILITY	5.7	41.9		4.2	0.5	0.4	0.2	
26 TO 30 YEARS OLD								
ESTIMATED POPULATION	1,311	12,999		1,750	260	214	50	
% STANDARD ERROR	16.9	5.3		14.4	38.6	33.7	58.0	
% WITH CAPABILITY	24.0	100.0		32.1	4.8	3.9	0.9	

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	OTHER NAVIGATION EQUIPMENT				GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM		
1 TO 5 YEARS OLD						
ESTIMATED POPULATION	1,732	1,370	1,405	491	2,459	3,928
% STANDARD ERROR	10.9	12.1	13.6	24.9	10.6	8.2
% WITH CAPABILITY	3.9	3.1	3.2	1.1	5.6	9.0
6 TO 10 YEARS OLD						
ESTIMATED POPULATION	2,223	2,124	2,347	517	1,538	2,416
% STANDARD ERROR	8.9	8.9	10.0	19.8	12.9	11.3
% WITH CAPABILITY	6.1	5.8	6.4	1.4	4.2	6.6
11 TO 15 YEARS OLD						
ESTIMATED POPULATION	4,401	5,595	5,096	833	4,164	4,575
% STANDARD ERROR	6.8	6.2	8.0	16.7	8.6	8.6
% WITH CAPABILITY	11.6	14.8	13.4	2.2	11.0	12.1
16 TO 20 YEARS OLD						
ESTIMATED POPULATION	3,877	5,196	4,738	594	6,409	8,011
% STANDARD ERROR	8.3	6.7	8.7	22.4	7.4	6.4
% WITH CAPABILITY	13.1	17.5	16.0	2.0	21.6	27.0
21 TO 25 YEARS OLD						
ESTIMATED POPULATION	1,336	1,781	2,522	176	3,583	4,634
% STANDARD ERROR	14.5	11.9	11.8	37.6	10.0	9.0
% WITH CAPABILITY	5.4	7.2	10.2	0.7	14.5	18.8
26 TO 30 YEARS OLD						
ESTIMATED POPULATION	1,186	1,240	2,023	182	3,428	6,609
% STANDARD ERROR	15.6	13.5	13.0	38.3	10.4	7.4
% WITH CAPABILITY	21.7	22.7	37.1	3.3	62.8	100.0

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

BASIC NAVIGATION EQUIPMENT

AGE OF AIRCRAFT	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
31 TO 35 YEARS OLD								
ESTIMATED POPULATION	547	4,810	2,227	9,479	10,318	8,841	5,225	1,140
% STANDARD ERROR	26.5	9.0	12.9	5.8	5.6	6.0	7.7	17.0
% WITH CAPABILITY	14.9	100.0	60.5	100.0	100.0	100.0	100.0	31.0
36 TO 40 YEARS OLD								
ESTIMATED POPULATION	403	2,553	1,159	5,282	4,709	4,020	1,823	301
% STANDARD ERROR	30.3	12.1	18.0	8.1	8.6	9.2	13.8	34.2
% WITH CAPABILITY	9.5	59.9	27.2	100.0	100.0	94.3	42.8	7.1
41 TO 45 YEARS OLD								
ESTIMATED POPULATION	162	1,356	588	2,504	1,823	1,452	729	78
% STANDARD ERROR	40.5	14.7	24.3	10.2	12.7	14.5	20.4	43.9
% WITH CAPABILITY	10.7	89.0	38.6	100.0	100.0	95.3	47.8	5.1
46 TO 50 YEARS OLD								
ESTIMATED POPULATION	676	2,085	1,183	2,833	1,712	997	387	134
% STANDARD ERROR	20.4	10.8	15.0	8.9	11.7	14.6	22.3	42.7
% WITH CAPABILITY	13.9	42.9	24.3	58.3	35.2	20.5	8.0	2.8
51 TO 55 YEARS OLD								
ESTIMATED POPULATION	140	374	286	574	254	320	165	15
% STANDARD ERROR	33.1	21.5	26.6	18.9	30.1	24.5	35.1	86.7
% WITH CAPABILITY	11.6	31.0	23.7	47.5	21.0	26.5	13.7	1.3
56 TO 60 YEARS OLD								
ESTIMATED POPULATION	40	9	9	40	26	19	16	6
% STANDARD ERROR	96.5	*	*	45.0	68.4	77.7	88.5	*
% WITH CAPABILITY	2.7	0.6	0.6	2.7	1.8	1.3	1.1	0.4

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

LONG RANGE NAVIGATION EQUIPMENT

AGE OF AIRCRAFT	LONG RANGE NAVIGATION EQUIPMENT						OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA	
31 TO 35 YEARS OLD	1,088	6,920	1,152	186	17	68	
ESTIMATED POPULATION	18.8	7.2	18.3	43.4	53.9	72.6	
% STANDARD ERROR	29.6	100.0	31.3	5.1	0.4	1.8	
% WITH CAPABILITY							
36 TO 40 YEARS OLD	265	4,003	99	24	6	17	
ESTIMATED POPULATION	33.4	9.4	60.2	81.9	47.9	91.5	
% STANDARD ERROR	6.2	93.9	2.3	0.6	0.1	0.4	
% WITH CAPABILITY							
41 TO 45 YEARS OLD	46	1,785	36	3	2	2	
ESTIMATED POPULATION	83.4	12.5	59.7	*	*	*	
% STANDARD ERROR	3.0	100.0	2.4	0.2	0.1	0.2	
% WITH CAPABILITY							
46 TO 50 YEARS OLD	79	1,969	65	0	26	8	
ESTIMATED POPULATION	57.1	10.9	67.3	0.0	90.9	*	
% STANDARD ERROR	1.6	40.5	1.3	0.0	0.5	0.2	
% WITH CAPABILITY							
51 TO 55 YEARS OLD	21	556	10	2	0	2	
ESTIMATED POPULATION	88.0	18.3	85.9	*	0.0	*	
% STANDARD ERROR	1.7	46.1	0.8	0.2	0.0	0.2	
% WITH CAPABILITY							
56 TO 60 YEARS OLD	4	32	6	0	0	0	
ESTIMATED POPULATION	*	60.1	*	0.0	0.0	0.0	
% STANDARD ERROR	0.3	2.2	0.4	0.0	0.0	0.0	
% WITH CAPABILITY							

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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AGE OF AIRCRAFT	OTHER NAVIGATION EQUIPMENT						GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM			
31 TO 35 YEARS OLD								
ESTIMATED POPULATION	417	146	863	76	2,217	3,439		
% STANDARD ERROR	28.9	36.7	19.1	56.9	12.8	10.3		
% WITH CAPABILITY	11.3	4.0	23.4	2.1	60.2	93.4		
36 TO 40 YEARS OLD								
ESTIMATED POPULATION	91	52	78	49	1,319	2,536		
% STANDARD ERROR	45.2	64.0	51.7	73.6	16.9	12.2		
% WITH CAPABILITY	2.1	1.2	1.8	1.2	30.9	59.5		
41 TO 45 YEARS OLD								
ESTIMATED POPULATION	51	16	56	5	692	1,967		
% STANDARD ERROR	75.5	69.9	83.9	*	21.1	11.7		
% WITH CAPABILITY	3.3	1.0	3.7	0.3	45.4	100.0		
46 TO 50 YEARS OLD								
ESTIMATED POPULATION	12	7	83	189	1,281	8,281		
% STANDARD ERROR	*	*	43.1	38.2	13.8	5.1		
% WITH CAPABILITY	0.2	0.1	1.7	3.9	26.4	100.0		
51 TO 55 YEARS OLD								
ESTIMATED POPULATION	146	15	8	45	230	2,466		
% STANDARD ERROR	37.7	*	*	49.3	31.1	8.0		
% WITH CAPABILITY	12.1	1.3	0.6	3.7	19.1	100.0		
56 TO 60 YEARS OLD								
ESTIMATED POPULATION	0	0	0	1	6	264		
% STANDARD ERROR	0.0	0.0	0.0	80.9	*	30.9		
% WITH CAPABILITY	0.0	0.0	0.0	0.1	0.4	18.2		

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	BASIC NAVIGATION EQUIPMENT											
	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV				
OVER 60 YEARS OLD												
ESTIMATED POPULATION	63	88	45	311	319	284	217	77				
% STANDARD ERROR	83.8	61.1	*	32.5	34.1	36.1	41.6	60.4				
% WITH CAPABILITY	14.9	20.9	10.7	73.7	75.8	67.5	51.4	18.3				
YEAR MANUFACTURE UNK												
ESTIMATED POPULATION	1,080	7,432	1,736	6,941	7,392	6,450	3,652	843				
% STANDARD ERROR	18.6	6.8	14.7	6.8	6.8	7.0	9.1	17.6				
% WITH CAPABILITY	2.2	15.3	3.6	14.3	15.2	13.3	7.5	1.7				
TOTAL ALL AIRCRAFT	8,901	48,707	20,550	111,240	118,514	110,127	76,837	27,857				
ESTIMATED POPULATION	6.4	2.4	4.1	1.2	0.8	1.0	1.4	2.7				
% STANDARD ERROR	3.6	20.0	8.4	45.6	48.6	45.1	31.5	11.4				

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	LONG RANGE NAVIGATION EQUIPMENT						OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	APP IFR	OMEGA		
OVER 60 YEARS OLD							
ESTIMATED POPULATION	144	167	83	0	18	0	0
% STANDARD ERROR	55.6	41.8	72.8	0.0	95.1	0.0	0.0
% WITH CAPABILITY	34.2	39.5	19.8	0.0	4.3	0.0	0.0
YEAR MANUFACTURE UNK							
ESTIMATED POPULATION	632	4,754	400	151	106	136	136
% STANDARD ERROR	22.0	8.6	28.0	45.5	48.4	54.6	54.6
% WITH CAPABILITY	1.3	9.8	0.8	0.3	0.2	0.3	0.3
TOTAL ALL AIRCRAFT	13,676	76,287	12,033	2,468	3,356	1,229	1,229
ESTIMATED POPULATION	4.4	1.7	5.1	11.2	5.0	12.8	12.8
% STANDARD ERROR	5.6	31.3	4.9	1.0	1.4	0.5	0.5

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.15 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

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AGE OF AIRCRAFT	OTHER NAVIGATION EQUIPMENT						NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM		
OVER 60 YEARS OLD							
ESTIMATED POPULATION	25	25	108	0	23	440	
% STANDARD ERROR	81.5	81.5	57.2	0.0	*	26.4	
% WITH CAPABILITY	6.0	6.0	25.6	0.0	5.5	100.0	
YEAR MANUFACTURE UNK							
ESTIMATED POPULATION	582	807	398	473	1,517	24,779	
% STANDARD ERROR	20.0	16.7	28.5	23.8	14.2	3.2	
% WITH CAPABILITY	1.2	1.7	0.8	1.0	3.1	51.0	
TOTAL ALL AIRCRAFT	16,079	18,373	19,724	3,633	28,866	74,346	
ESTIMATED POPULATION	3.0	2.4	3.6	8.1	3.2	1.5	
% STANDARD ERROR	6.6	7.5	8.1	1.5	11.8	30.5	

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.16 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	GUIDANCE AND CONTROL EQUIPMENT										FL DATA REC'D	NO GCE
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	-----AUTOPILOT-AXIS CONTROLS----- LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE		
FIXED WING												
FIXED WING - PISTON												
1 ENG: 1-3 SEATS												
ESTIMATED POPULATION	32	97	17	682	211	464	273	3	2	57,815		
% STANDARD ERROR	62.4	67.0	*	22.2	36.0	25.5	34.1	*	*	0.9		
% WITH CAPABILITY	0.0	0.1	0.0	1.0	0.3	0.7	0.4	0.0	0.0	84.1		
1 ENG: 4+ SEATS												
ESTIMATED POPULATION	6,331	474	754	38,761	19,403	30,953	19,543	226	151	58,368		
% STANDARD ERROR	6.5	28.4	22.2	2.2	3.6	2.7	3.7	41.6	57.5	1.5		
% WITH CAPABILITY	5.8	0.4	0.7	35.5	17.8	28.4	17.9	0.2	0.1	53.5		
1 ENGINE: TOTAL												
ESTIMATED POPULATION	6,363	571	772	39,442	19,614	31,417	19,816	230	153	116,183		
% STANDARD ERROR	6.5	26.2	21.8	2.2	3.6	2.7	3.7	41.2	57.1	0.9		
% WITH CAPABILITY	3.6	0.3	0.4	22.2	11.0	17.7	11.1	0.1	0.1	65.3		
2 ENG: 1-6 SEATS												
ESTIMATED POPULATION	3,654	408	306	10,365	10,012	9,729	8,141	124	0	2,776		
% STANDARD ERROR	6.6	28.5	29.8	3.0	3.2	3.4	4.1	53.8	0.0	9.4		
% WITH CAPABILITY	24.1	2.7	2.0	68.4	66.1	64.2	53.7	0.8	0.0	18.3		
2 ENG: 7+ SEATS												
ESTIMATED POPULATION	2,368	148	242	4,487	4,369	4,314	3,994	60	6	1,047		
% STANDARD ERROR	8.1	44.9	35.4	3.2	3.6	3.6	4.2	70.8	*	10.6		
% WITH CAPABILITY	37.6	2.3	3.8	71.3	69.4	68.6	63.5	1.0	0.1	16.6		
2 ENGINE: TOTAL												
ESTIMATED POPULATION	6,021	556	548	14,852	14,381	14,043	12,134	184	6	3,823		
% STANDARD ERROR	5.1	24.1	22.8	2.3	2.5	2.6	3.0	43.0	*	7.4		
% WITH CAPABILITY	28.1	2.6	2.6	69.3	67.1	65.5	56.6	0.9	0.0	17.8		

7.16 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 5

AIRCRAFT TYPE	FLIGHT DIRECT	EFIS	FL MGT COMPTR	GUIDANCE AND CONTROL EQUIPMENT			AUTO LAND	FL DATA REC'D	NO GCE
				LONGITUDE	VERTICAL	LATERAL			
				-----	-----	-----			
				AUTOPILOT-AXIS CONTROLS	APP	MODE			
PISTON: OTHER									
ESTIMATED POPULATION	1	0	0	4	4	4	0	0	48
% STANDARD ERROR	*	0.0	0.0	94.5	94.5	94.5	0.0	0.0	19.7
% WITH CAPABILITY	1.6	0.0	0.0	4.3	4.3	4.3	0.0	0.0	50.7
PISTON: TOTAL									
ESTIMATED POPULATION	12,386	1,127	1,320	54,298	33,999	45,464	31,952	159	120,053
% STANDARD ERROR	4.2	17.8	15.9	1.7	2.3	2.0	2.6	55.4	0.9
% WITH CAPABILITY	6.2	0.6	0.7	27.2	17.1	22.8	16.0	0.1	60.2
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL									
ESTIMATED POPULATION	331	16	8	354	354	341	350	0	382
% STANDARD ERROR	8.1	80.3	*	6.6	6.5	7.7	6.5	0.0	6.9
% WITH CAPABILITY	43.7	2.1	1.0	46.7	46.7	45.0	46.2	0.0	50.4
2 ENG: 1-12 SEATS									
ESTIMATED POPULATION	3,176	338	385	3,451	3,443	3,389	3,336	9	102
% STANDARD ERROR	3.7	25.7	22.2	2.6	2.6	2.7	2.9	72.7	42.1
% WITH CAPABILITY	81.1	8.6	9.8	88.1	87.9	86.5	85.1	0.2	2.6
2 ENG: 13+ SEATS									
ESTIMATED POPULATION	304	258	234	326	325	326	307	74	116
% STANDARD ERROR	11.3	16.0	18.3	9.1	9.1	9.1	9.6	31.9	18.2
% WITH CAPABILITY	58.1	49.4	44.8	62.3	62.1	62.3	58.8	14.2	22.1
2 ENGINE: TOTAL									
ESTIMATED POPULATION	3,480	597	620	3,777	3,768	3,716	3,643	84	217
% STANDARD ERROR	3.5	16.2	15.5	2.5	2.5	2.6	2.8	29.4	22.0
% WITH CAPABILITY	78.4	13.4	14.0	85.0	84.8	83.7	82.0	1.9	4.9

7-16 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

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AIRCRAFT TYPE	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	-----LONGITUDE	-----VERTICAL	-----LATERAL	-----APP MODE	AUTO LAND	FL DATA RECORDER	NO GCE
TURBOPROP: OTHER										
ESTIMATED POPULATION	3	0	0	6	6	6	6	0	3	31
% STANDARD ERROR	*	0.0	0.0	98.1	98.1	98.1	98.1	0.0	*	33.4
% WITH CAPABILITY	4.2	0.0	0.0	8.3	8.3	8.3	8.3	0.0	4.2	43.8
TURBOPROP: TOTAL										
ESTIMATED POPULATION	3,814	612	628	4,137	4,128	4,063	3,999	1	87	630
% STANDARD ERROR	3.2	15.9	15.4	2.3	2.4	2.5	2.6	58.6	28.8	8.8
% WITH CAPABILITY	72.4	11.6	11.9	78.5	78.3	77.1	75.9	0.0	1.6	12.0
FIXED WING - TURBOJET										
2 ENGINE TURBOJET										
ESTIMATED POPULATION	3,704	1,362	1,803	3,742	3,723	3,747	3,538	171	437	53
% STANDARD ERROR	2.6	9.5	7.5	2.6	2.6	2.5	3.1	37.8	18.9	37.4
% WITH CAPABILITY	87.2	32.1	42.5	88.1	87.7	88.2	83.3	4.0	10.3	1.2
TURBOJET: OTHER										
ESTIMATED POPULATION	255	98	135	252	250	251	245	0	76	77
% STANDARD ERROR	3.3	20.5	14.8	3.6	3.6	3.6	3.9	0.0	26.6	9.5
% WITH CAPABILITY	58.9	22.8	31.2	58.2	57.8	58.1	56.8	0.0	17.7	17.8
TURBOJET: TOTAL										
ESTIMATED POPULATION	3,959	1,460	1,939	3,993	3,973	3,998	3,784	171	513	130
% STANDARD ERROR	2.4	8.9	7.1	2.5	2.4	2.4	2.9	37.8	16.6	16.2
% WITH CAPABILITY	84.6	31.2	41.4	85.3	84.9	85.4	80.9	3.7	11.0	2.8
FIXED WING: TOTAL										
ESTIMATED POPULATION	20,159	3,199	3,886	62,428	42,100	53,525	39,734	585	759	120,814
% STANDARD ERROR	2.7	8.1	6.9	1.5	1.9	1.8	2.1	23.8	16.5	0.9
% WITH CAPABILITY	9.6	1.5	1.9	29.8	20.1	25.6	19.0	0.3	0.4	57.7

7.16 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 4 OF 5

AIRCRAFT TYPE	FLIGHT DIRECT	EFIS	FL MGT COMPR	GUIDANCE AND CONTROL EQUIPMENT			AUTO LAND	FL DATA REC'D	NO GCE
				LONGITUDE	VERTICAL	AUTOPILOT-AXIS CONTROLS----- LATERAL APP MODE			
ROTORCRAFT									
PISTON									
ESTIMATED POPULATION	1	0	4	0	0	5	0	0	3,272
% STANDARD ERROR	*	0.0	*	0.0	0.0	*	0.0	0.0	2.9
% WITH CAPABILITY	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	76.9
1 ENG: TURBINE									
ESTIMATED POPULATION	105	5	36	206	203	179	151	0	2,262
% STANDARD ERROR	43.5	*	86.8	31.9	32.3	34.1	39.7	0.0	3.9
% WITH CAPABILITY	3.7	0.2	1.3	7.2	7.1	6.3	5.3	0.0	79.5
MULTI-ENG: TURBINE									
ESTIMATED POPULATION	269	57	39	317	220	312	271	1	412
% STANDARD ERROR	8.4	33.3	34.2	8.3	10.5	8.3	8.6	*	6.6
% WITH CAPABILITY	33.6	7.1	4.8	39.5	27.4	38.9	33.8	0.1	51.3
TURBINE TOTAL:									
ESTIMATED POPULATION	374	62	74	523	423	491	422	1	2,674
% STANDARD ERROR	13.6	33.2	45.2	13.5	16.4	13.5	15.2	*	3.4
% WITH CAPABILITY	10.3	1.7	2.0	14.3	11.6	13.5	11.6	0.0	73.3
ROTORCRAFT: TOTAL									
ESTIMATED POPULATION	376	62	78	523	423	496	422	1	5,946
% STANDARD ERROR	13.6	33.2	43.7	13.5	16.4	13.5	15.2	*	2.2
% WITH CAPABILITY	4.8	0.8	1.0	6.6	5.4	6.3	5.3	0.0	75.3
OTHER AIRCRAFT									
GLIDERS:									
ESTIMATED POPULATION	3	0	0	0	0	0	0	0	2,266
% STANDARD ERROR	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
% WITH CAPABILITY	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.2

7.16 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 EXCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	GUIDANCE AND CONTROL EQUIPMENT										NO GCE	
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	-----LONGITUDE	-----VERTICAL	-----LATERAL	-----APP MODE	AUTO LAND	FL DATA RECORDER			
LIGHTER-THAN-AIR:												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	4,680
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.2
EXPERIMENTAL												
HOME-BUILT:												
ESTIMATED POPULATION	37	0	0	344	156	174	55	0	41	0	10,244	
% STANDARD ERROR	*	0.0	0.0	38.1	57.0	54.0	96.2	0.0	*	0.0	3.1	
% WITH CAPABILITY	0.3	0.0	0.0	2.7	1.2	1.4	0.4	0.0	0.3	0.0	80.8	
EXHIBITION:												
ESTIMATED POPULATION	11	0	1	19	18	20	1	1	52	0	2,054	
% STANDARD ERROR	*	0.0	*	*	*	*	*	*	66.3	*	4.9	
% WITH CAPABILITY	0.4	0.0	0.0	0.7	0.7	0.8	0.0	0.0	2.0	0.0	78.5	
OTHER:												
ESTIMATED POPULATION	500	119	142	639	583	494	582	0	5	0	2,095	
% STANDARD ERROR	19.3	42.2	38.4	16.6	17.6	19.4	17.6	0.0	*	0.0	6.2	
% WITH CAPABILITY	15.2	3.6	4.3	19.4	17.7	15.0	17.7	0.0	0.1	0.0	63.7	
TOTAL ALL AIRCRAFT												
ESTIMATED POPULATION	21,086	3,380	4,108	63,954	43,281	54,708	40,794	587	880	148,099		
% STANDARD ERROR	2.6	7.8	6.7	1.5	1.9	1.7	2.1	23.7	15.8	0.8		
% WITH CAPABILITY	8.6	1.4	1.7	26.2	17.7	22.4	16.7	0.2	0.4	60.7		

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.17 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 2

PRIMARY USE	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPT	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE
EXECUTIVE										
ESTIMATED POPULATION	7,153	1,669	2,226	8,855	8,622	8,643	8,130	180	391	1,324
% STANDARD ERROR	3.6	9.0	7.2	3.8	3.6	3.8	3.8	40.5	19.2	15.4
% WITH CAPABILITY	68.0	15.9	21.2	84.2	81.9	82.1	77.3	1.7	3.7	12.6
BUSINESS										
ESTIMATED POPULATION	6,183	737	868	19,065	14,015	16,284	13,209	234	98	11,932
% STANDARD ERROR	6.7	20.2	19.2	3.8	4.4	4.2	4.7	39.9	68.5	5.6
% WITH CAPABILITY	18.6	2.2	2.6	57.5	42.2	49.1	39.8	0.7	0.3	36.0
PERSONAL										
ESTIMATED POPULATION	3,814	338	389	25,704	13,011	20,592	12,672	53	129	90,489
% STANDARD ERROR	9.1	35.3	30.3	3.3	4.9	3.8	5.0	78.1	54.0	1.3
% WITH CAPABILITY	3.1	0.3	0.3	21.2	10.7	17.0	10.5	0.0	0.1	74.7
INSTRUCTIONAL										
ESTIMATED POPULATION	329	46	16	2,120	1,189	1,704	981	3	0	12,823
% STANDARD ERROR	30.6	98.7	*	13.1	17.0	14.5	18.4	*	0.0	5.2
% WITH CAPABILITY	2.2	0.3	0.1	13.9	7.8	11.2	6.4	0.0	0.0	84.2
AERIAL APPLICATION										
ESTIMATED POPULATION	26	0	12	54	42	46	40	0	2	5,448
% STANDARD ERROR	97.0	0.0	*	73.1	78.5	73.1	80.5	0.0	*	4.4
% WITH CAPABILITY	0.5	0.0	0.2	1.0	0.8	0.8	0.7	0.0	0.0	98.7
AERIAL OBSERVATION										
ESTIMATED POPULATION	251	0	87	943	667	862	600	0	2	3,887
% STANDARD ERROR	35.5	0.0	65.0	19.8	22.7	20.4	23.7	0.0	*	9.3
% WITH CAPABILITY	5.1	0.0	1.8	19.0	13.4	17.4	12.1	0.0	0.0	78.3
SIGHT SEEING										
ESTIMATED POPULATION	3	0	0	53	0	53	0	0	0	1,629
% STANDARD ERROR	83.2	0.0	0.0	88.4	0.0	88.4	0.0	0.0	0.0	13.6
% WITH CAPABILITY	0.1	0.0	0.0	3.1	0.0	3.1	0.0	0.0	0.0	96.7

7.17 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY PRIMARY USE
 EXCLUDES COMMUTER AIRCRAFT

PRIMARY USE	GUIDANCE AND CONTROL EQUIPMENT										FL DATA REC'D	NO GCE	
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE			
EXTERNAL LOAD													
ESTIMATED POPULATION	3	0	0	20	14	20	9	0	0	0	0	148	
% STANDARD ERROR	92.1	0.0	0.0	38.0	48.8	38.0	54.4	0.0	0.0	0.0	0.0	31.7	
% WITH CAPABILITY	1.9	0.0	0.0	12.1	8.4	12.1	5.1	0.0	0.0	0.0	0.0	87.9	
OTHER WORK USE													
ESTIMATED POPULATION	17	0	1	146	64	138	11	0	0	0	0	942	
% STANDARD ERROR	*	0.0	*	51.0	67.6	50.1	*	0.0	0.0	0.0	0.0	17.5	
% WITH CAPABILITY	1.5	0.0	0.0	12.4	5.4	11.8	0.9	0.0	0.0	0.0	0.0	80.2	
AIR TAXI													
ESTIMATED POPULATION	1,476	25	24	2,605	2,295	2,439	2,318	2	16	16	16	1,197	
% STANDARD ERROR	11.5	78.2	81.8	9.6	10.0	9.7	10.1	*	85.5	85.5	85.5	12.4	
% WITH CAPABILITY	37.4	0.6	0.6	66.0	58.2	61.8	58.8	0.0	0.4	0.4	0.4	30.3	
OTHER													
ESTIMATED POPULATION	717	195	136	1,349	1,083	1,169	1,120	67	64	64	64	3,081	
% STANDARD ERROR	18.2	30.6	38.1	14.9	16.5	16.0	16.2	78.4	44.3	44.3	44.3	11.3	
% WITH CAPABILITY	15.4	4.2	2.9	28.9	23.2	25.1	24.0	1.4	1.4	1.4	1.4	66.1	
INACTIVE													
ESTIMATED POPULATION	828	218	202	2,823	2,103	2,527	1,508	34	138	138	138	19,900	
% STANDARD ERROR	16.7	33.0	37.5	9.8	10.6	10.1	12.7	66.0	22.6	22.6	22.6	2.3	
% WITH CAPABILITY	3.5	0.9	0.9	12.1	9.0	10.8	6.5	0.1	0.6	0.6	0.6	85.3	
TOTAL ALL AIRCRAFT													
ESTIMATED POPULATION	21,086	3,380	4,108	63,954	43,281	54,708	40,794	587	880	880	880	148,099	
% STANDARD ERROR	2.6	7.8	6.7	1.5	1.9	1.7	2.1	23.7	15.8	15.8	15.8	0.8	
% WITH CAPABILITY	8.6	1.4	1.7	26.2	17.7	22.4	16.7	0.2	0.4	0.4	0.4	60.7	

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.18 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

REGION	GUIDANCE AND CONTROL EQUIPMENT										FL DATA REC'D	NO GCE
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	AUTOPILOT-AXIS CONTROLS	LATERAL APP MODE	AUTO LAND	FL DATA REC'D	NO GCE			
ALASKAN	163	3	11	313	194	287	157	0	13	6,370		
ESTIMATED POPULATION	37.1	*	97.5	29.0	38.9	31.1	40.4	0.0	73.4	6.5		
% STANDARD ERROR	2.4	0.0	0.2	4.6	2.9	4.2	2.3	0.0	0.2	94.0		
% WITH CAPABILITY												
CENTRAL	1,692	407	311	3,767	2,882	3,400	2,417	28	14	9,884		
ESTIMATED POPULATION	12.8	25.9	26.1	9.5	10.5	9.9	11.3	*	76.3	6.0		
% STANDARD ERROR	12.0	2.9	2.2	26.7	20.4	24.1	17.1	0.2	0.1	70.1		
% WITH CAPABILITY												
EASTERN	2,471	344	371	8,473	5,281	6,999	5,351	1	107	17,003		
ESTIMATED POPULATION	10.0	23.0	22.9	6.3	7.6	6.8	7.7	*	33.7	4.4		
% STANDARD ERROR	9.3	1.3	1.4	31.9	19.9	26.3	20.1	0.0	0.4	64.0		
% WITH CAPABILITY												
GREAT LAKES	3,438	588	885	11,484	7,606	9,840	7,457	65	200	27,310		
ESTIMATED POPULATION	8.4	18.4	15.0	5.3	6.3	5.7	6.5	68.4	30.2	3.4		
% STANDARD ERROR	8.5	1.5	2.2	28.4	18.8	24.3	18.4	0.2	0.5	67.5		
% WITH CAPABILITY												
NEW ENGLAND	729	81	176	2,833	1,881	2,269	1,894	29	19	7,106		
ESTIMATED POPULATION	20.1	55.2	37.8	11.4	13.8	12.8	13.9	*	*	7.1		
% STANDARD ERROR	7.0	0.8	1.7	27.2	18.1	21.8	18.2	0.3	0.2	68.2		
% WITH CAPABILITY												
NORTHWEST MOUNTAIN	1,731	345	328	5,357	3,297	4,184	3,001	48	85	17,952		
ESTIMATED POPULATION	12.5	28.5	27.0	8.0	9.9	9.1	10.4	83.5	66.8	4.3		
% STANDARD ERROR	7.2	1.4	1.4	22.2	13.7	17.4	12.4	0.2	0.4	74.4		
% WITH CAPABILITY												

7.18 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 2

REGION	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE
ALASKAN										
ESTIMATED POPULATION	163	3	11	313	194	287	157	0	13	6,370
% STANDARD ERROR	37.1	*	97.5	29.0	38.9	31.1	40.4	0.0	73.4	6.5
% WITH CAPABILITY	2.4	0.0	0.2	4.6	2.9	4.2	2.3	0.0	0.2	94.0
CENTRAL										
ESTIMATED POPULATION	1,692	407	311	3,767	2,882	3,400	2,417	28	14	9,884
% STANDARD ERROR	12.8	25.9	26.1	9.5	10.5	9.9	11.3	*	76.3	6.0
% WITH CAPABILITY	12.0	2.9	2.2	26.7	20.4	24.1	17.1	0.2	0.1	70.1
EASTERN										
ESTIMATED POPULATION	2,471	344	371	8,473	5,281	6,999	5,351	1	107	17,003
% STANDARD ERROR	10.0	23.0	22.9	6.3	7.6	6.8	7.7	*	33.7	4.4
% WITH CAPABILITY	9.3	1.3	1.4	31.9	19.9	26.3	20.1	0.0	0.4	64.0
GREAT LAKES										
ESTIMATED POPULATION	3,438	588	885	11,484	7,606	9,840	7,457	65	200	27,310
% STANDARD ERROR	8.4	18.4	15.0	5.3	6.3	5.7	6.5	68.4	30.2	3.4
% WITH CAPABILITY	8.5	1.5	2.2	28.4	18.8	24.3	18.4	0.2	0.5	67.5
NEW ENGLAND										
ESTIMATED POPULATION	729	81	176	2,833	1,881	2,269	1,894	29	19	7,106
% STANDARD ERROR	20.1	55.2	37.8	11.4	13.8	12.8	13.9	*	*	7.1
% WITH CAPABILITY	7.0	0.8	1.7	27.2	18.1	21.8	18.2	0.3	0.2	68.2
NORTHWEST MOUNTAIN										
ESTIMATED POPULATION	1,731	345	328	5,357	3,297	4,184	3,001	48	85	17,952
% STANDARD ERROR	12.5	28.5	27.0	8.0	9.9	9.1	10.4	83.5	66.8	4.3
% WITH CAPABILITY	7.2	1.4	1.4	22.2	13.7	17.4	12.4	0.2	0.4	74.4

7.19 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY STATE OF BASED AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

STATE	FLIGHT DIRECT	EFIS	FL MGT COMPTR	GUIDANCE AND CONTROL EQUIPMENT				AUTO LAND	FL DATA RECORDER	NO GCE
				-----AUTOPILOT-AXIS CONTROLS-----	LONGITUDE	VERTICAL	LATERAL			
ALABAMA	498	119	57	996	624	999	762	2	2	2,585
ESTIMATED POPULATION	24.7	56.2	68.2	18.7	22.6	18.5	20.9	*	*	11.9
% STANDARD ERROR	13.3	3.2	1.5	26.5	16.6	26.6	20.3	0.0	0.1	68.9
% WITH CAPABILITY										
ALASKA	163	3	11	313	194	287	157	0	13	6,370
ESTIMATED POPULATION	37.1	*	97.5	29.0	38.9	31.1	40.4	0.0	73.4	6.5
% STANDARD ERROR	2.4	0.0	0.2	4.6	2.9	4.2	2.3	0.0	0.2	94.0
% WITH CAPABILITY										
ARIZONA	310	76	51	1,392	904	1,065	813	5	7	3,874
ESTIMATED POPULATION	32.4	67.0	81.8	16.1	19.4	17.9	20.3	*	*	9.4
% STANDARD ERROR	5.8	1.4	1.0	26.1	16.9	19.9	15.2	0.1	0.1	72.5
% WITH CAPABILITY										
ARKANSAS	362	51	69	925	772	906	681	0	12	2,006
ESTIMATED POPULATION	29.2	58.9	52.3	19.4	20.9	19.9	21.7	0.0	*	13.1
% STANDARD ERROR	11.9	1.7	2.3	30.3	25.3	29.7	22.3	0.0	0.4	65.7
% WITH CAPABILITY										
CALIFORNIA	2,712	518	578	8,433	5,758	7,392	5,447	150	114	16,916
ESTIMATED POPULATION	10.3	22.9	21.8	6.3	7.4	6.7	7.7	47.1	60.4	4.3
% STANDARD ERROR	10.0	1.9	2.1	31.0	21.2	27.2	20.0	0.6	0.4	62.2
% WITH CAPABILITY										
COLORADO	332	58	104	1,403	744	1,110	809	13	16	3,075
ESTIMATED POPULATION	28.0	68.4	56.0	16.4	20.9	17.9	20.8	*	*	11.0
% STANDARD ERROR	7.1	1.3	2.2	30.2	16.0	23.9	17.4	0.3	0.3	66.2
% WITH CAPABILITY										
CONNECTICUT	152	61	73	485	448	459	424	1	5	1,317
ESTIMATED POPULATION	43.8	69.0	61.2	27.5	28.8	28.2	29.7	*	*	16.6
% STANDARD ERROR	7.9	3.2	3.8	25.2	23.3	23.9	22.0	0.1	0.3	68.4
% WITH CAPABILITY										

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STATE	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	AUTOPILOT-AXIS CONTROLS	LATERAL	APP MODE	AUTO LAND	FL DATA RECORDER	NO GCE
DELAWARE										
ESTIMATED POPULATION	377	54	68	740	557	679	506	0	2	780
% STANDARD ERROR	28.1	81.1	65.1	21.3	23.5	22.3	25.0	0.0	*	20.2
% WITH CAPABILITY	24.0	3.4	4.3	47.2	35.5	43.3	32.3	0.0	0.1	49.8
DISTRICT OF COLUMBIA										
ESTIMATED POPULATION	8	7	7	13	13	13	13	0	5	16
% STANDARD ERROR	*	*	*	*	*	*	*	0.0	*	*
% WITH CAPABILITY	27.3	25.2	25.2	43.8	43.8	43.8	43.8	0.0	16.5	56.2
FLORIDA										
ESTIMATED POPULATION	1,455	232	349	4,809	3,294	3,958	2,785	25	115	6,693
% STANDARD ERROR	13.5	32.9	27.4	8.4	9.8	9.2	10.6	*	40.7	7.2
% WITH CAPABILITY	12.3	2.0	3.0	40.7	27.9	33.5	23.6	0.2	1.0	56.6
GEORGIA										
ESTIMATED POPULATION	553	16	97	1,720	1,085	1,371	920	0	1	2,615
% STANDARD ERROR	21.0	77.5	41.1	14.1	16.7	15.6	17.9	0.0	*	11.9
% WITH CAPABILITY	12.4	0.4	2.2	38.6	24.4	30.8	20.7	0.0	0.0	58.7
HAWAII										
ESTIMATED POPULATION	18	3	6	118	100	101	40	0	0	425
% STANDARD ERROR	*	*	*	49.1	52.1	49.5	85.6	0.0	0.0	24.7
% WITH CAPABILITY	3.4	0.5	1.0	21.5	18.2	18.5	7.3	0.0	0.0	77.7
IDAHO										
ESTIMATED POPULATION	147	10	45	374	296	295	201	2	4	1,938
% STANDARD ERROR	43.1	*	83.7	30.3	33.4	33.3	38.5	*	*	13.2
% WITH CAPABILITY	6.4	0.4	1.9	16.1	12.8	12.7	8.7	0.1	0.2	83.7
ILLINOIS										
ESTIMATED POPULATION	819	106	262	2,727	1,985	2,285	1,751	0	18	4,220
% STANDARD ERROR	18.0	39.5	30.3	11.4	13.0	12.3	14.0	0.0	76.6	9.4
% WITH CAPABILITY	11.2	1.5	3.6	37.4	27.2	31.3	24.0	0.0	0.2	57.8

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STATE	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE
INDIANA	627	131	156	1,448	1,068	1,281	761	0	24	2,840
ESTIMATED POPULATION	20.3	36.5	32.4	15.6	17.5	16.2	19.4	0.0	62.7	11.2
% STANDARD ERROR	13.7	2.9	3.4	31.7	23.4	28.0	16.7	0.0	0.5	62.2
% WITH CAPABILITY										
IOWA	306	49	58	838	616	656	556	0	2	2,139
ESTIMATED POPULATION	31.4	75.1	74.8	20.7	23.0	23.1	24.8	0.0	*	13.1
% STANDARD ERROR	9.8	1.6	1.9	26.9	19.7	21.0	17.8	0.0	0.0	68.6
% WITH CAPABILITY										
KANSAS	662	146	88	1,120	975	1,057	769	2	0	2,624
ESTIMATED POPULATION	21.5	44.3	49.5	17.3	18.2	17.6	20.0	*	0.0	12.0
% STANDARD ERROR	17.6	3.9	2.3	29.7	25.9	28.1	20.4	0.0	0.0	69.6
% WITH CAPABILITY										
KENTUCKY	227	8	8	604	462	543	416	24	31	1,716
ESTIMATED POPULATION	33.9	*	*	24.2	26.6	25.2	27.6	*	*	15.3
% STANDARD ERROR	9.7	0.3	0.4	25.8	19.7	23.2	17.8	1.0	1.3	73.3
% WITH CAPABILITY										
LOUISIANA	263	33	37	801	471	763	570	17	38	2,017
ESTIMATED POPULATION	31.9	96.4	*	21.3	25.5	21.8	24.5	*	*	12.9
% STANDARD ERROR	9.0	1.1	1.3	27.4	16.1	26.1	19.5	0.6	1.3	69.1
% WITH CAPABILITY										
MAINE	42	3	7	198	109	261	150	2	3	1,034
ESTIMATED POPULATION	88.4	*	*	40.8	52.9	38.6	46.9	*	*	19.4
% STANDARD ERROR	3.2	0.2	0.5	15.0	8.2	19.7	11.4	0.1	0.2	78.3
% WITH CAPABILITY										
MARYLAND	177	9	27	855	420	722	490	0	3	1,985
ESTIMATED POPULATION	35.5	95.5	78.9	20.1	26.6	21.9	25.1	0.0	*	13.3
% STANDARD ERROR	5.9	0.3	0.9	28.7	14.1	24.2	16.5	0.0	0.1	66.7
% WITH CAPABILITY										

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STATE	FLIGHT DIRECT	EFIS	FL MGT COMPTR	GUIDANCE AND CONTROL EQUIPMENT				AUTO LAND	FL DATA RECORDER	NO GCE
				-----AUTOPILOT-AXIS CONTROLS-----	LONGITUDE	VERTICAL	LATERAL APP MODE			
MASSACHUSETTS										
ESTIMATED POPULATION	337	9	38	1,469	980	1,077	876	23	10	1,602
% STANDARD ERROR	30.9	*	73.5	16.3	19.9	18.8	21.1	*	*	15.7
% WITH CAPABILITY	10.4	0.3	1.2	45.4	30.3	33.3	27.1	0.7	0.3	49.5
MICHIGAN										
ESTIMATED POPULATION	539	126	158	2,057	1,179	1,970	1,537	62	102	4,743
% STANDARD ERROR	21.7	43.1	35.9	13.0	16.2	13.4	15.2	70.0	49.9	8.9
% WITH CAPABILITY	7.6	1.8	2.2	29.0	16.6	27.8	21.7	0.9	1.4	66.9
MINNESOTA										
ESTIMATED POPULATION	392	57	70	1,389	943	1,103	806	0	16	4,561
% STANDARD ERROR	27.0	55.2	55.0	15.8	18.5	17.3	20.0	0.0	*	8.7
% WITH CAPABILITY	6.3	0.9	1.1	22.4	15.2	17.8	13.0	0.0	0.3	73.6
MISSISSIPPI										
ESTIMATED POPULATION	231	11	38	551	360	519	315	3	5	1,356
% STANDARD ERROR	36.3	91.2	89.7	24.8	27.9	25.9	31.4	*	*	15.8
% WITH CAPABILITY	11.5	0.5	1.9	27.4	17.9	25.9	15.7	0.2	0.3	67.6
MISSOURI										
ESTIMATED POPULATION	536	183	128	1,234	903	1,177	714	0	12	3,230
% STANDARD ERROR	22.2	39.5	37.6	16.8	18.9	17.0	20.6	0.0	80.2	11.0
% WITH CAPABILITY	11.4	3.9	2.7	26.2	19.2	25.0	15.2	0.0	0.3	68.7
MONTANA										
ESTIMATED POPULATION	99	34	12	450	230	359	211	0	4	1,647
% STANDARD ERROR	52.9	*	*	29.4	39.5	32.9	40.7	0.0	*	14.9
% WITH CAPABILITY	4.4	1.5	0.5	19.9	10.2	15.9	9.4	0.0	0.2	72.9
NEBRASKA										
ESTIMATED POPULATION	188	29	36	575	388	510	377	26	0	1,892
% STANDARD ERROR	37.9	78.6	70.1	25.2	29.2	26.3	29.5	*	0.0	13.2
% WITH CAPABILITY	7.5	1.2	1.4	22.9	15.4	20.3	15.0	1.0	0.0	75.2

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STATE	GUIDANCE AND CONTROL EQUIPMENT										
	FLIGHT DIRECT	EFIS	FL MGT COMPT	-----LONGITUDE	-----VERTICAL	-----LATERAL	-----APP MODE	AUTO LAND	FL DATA REC'DER	NO GCE	
NEVADA	306	30	95	887	588	670	418	0	13	1,328	
% ESTIMATED POPULATION	32.1	63.9	59.2	20.4	24.2	23.3	28.5	0.0	66.4	14.9	
% STANDARD ERROR	13.3	1.3	4.1	38.5	25.5	29.1	18.1	0.0	0.6	57.7	
% WITH CAPABILITY											
NEW HAMPSHIRE	109	3	6	339	141	269	225	3	0	1,623	
% ESTIMATED POPULATION	45.2	*	*	31.5	38.7	34.6	37.7	*	0.0	14.8	
% STANDARD ERROR	5.4	0.1	0.3	16.8	7.0	13.4	11.1	0.2	0.0	80.4	
% WITH CAPABILITY											
NEW JERSEY	466	51	52	1,451	1,068	1,389	1,123	0	15	2,006	
% ESTIMATED POPULATION	24.7	45.7	66.0	15.6	17.9	15.8	17.3	0.0	80.1	13.8	
% STANDARD ERROR	12.3	1.4	1.4	38.4	28.3	36.8	29.7	0.0	0.4	53.1	
% WITH CAPABILITY											
NEW MEXICO	214	23	14	780	490	754	415	27	3	1,674	
% ESTIMATED POPULATION	34.7	*	*	21.8	26.1	21.8	28.1	*	*	13.8	
% STANDARD ERROR	8.2	0.9	0.5	30.0	18.8	29.0	16.0	1.0	0.1	64.4	
% WITH CAPABILITY											
NEW YORK	339	108	74	1,844	919	1,363	1,143	1	56	4,673	
% ESTIMATED POPULATION	22.7	35.7	36.2	13.9	17.8	15.8	17.2	*	39.3	9.0	
% STANDARD ERROR	5.1	1.6	1.1	27.8	13.9	20.6	17.3	0.0	0.8	70.5	
% WITH CAPABILITY											
NORTH CAROLINA	628	75	57	1,504	1,169	1,347	971	31	0	2,729	
% ESTIMATED POPULATION	24.4	69.1	68.4	15.8	17.7	16.9	19.6	*	0.0	11.9	
% STANDARD ERROR	14.3	1.7	1.3	34.2	26.6	30.6	22.1	0.7	0.0	62.0	
% WITH CAPABILITY											
NORTH DAKOTA	123	9	12	286	229	295	197	2	0	1,821	
% ESTIMATED POPULATION	51.7	*	*	34.6	39.2	34.7	41.5	*	0.0	14.1	
% STANDARD ERROR	5.7	0.4	0.6	13.4	10.7	13.8	9.2	0.1	0.0	85.0	
% WITH CAPABILITY											

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STATE	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA RECORDER	NO GCE
OHIO	647	143	137	2,201	1,408	1,834	1,549	0	35	4,075
ESTIMATED POPULATION	20.0	44.8	40.5	12.4	15.0	13.6	14.5	0.0	48.6	9.6
% STANDARD ERROR	9.8	2.1	2.1	33.2	21.2	27.7	23.4	0.0	0.5	61.5
% WITH CAPABILITY										
OKLAHOMA	484	107	177	1,170	850	1,067	869	0	15	2,721
ESTIMATED POPULATION	25.1	54.5	42.6	17.5	19.9	18.2	19.9	0.0	61.5	11.8
% STANDARD ERROR	12.0	2.7	4.4	29.1	21.1	26.5	21.6	0.0	0.4	67.7
% WITH CAPABILITY										
OREGON	675	109	86	1,581	1,076	1,172	886	29	10	3,287
ESTIMATED POPULATION	21.0	48.3	40.1	15.0	17.7	17.4	19.2	*	*	10.3
% STANDARD ERROR	13.6	2.2	1.7	31.8	21.7	23.6	17.8	0.6	0.2	66.2
% WITH CAPABILITY										
PENNSYLVANIA	519	27	43	2,062	1,260	1,401	1,002	0	4	3,871
ESTIMATED POPULATION	21.7	66.3	60.9	13.4	16.5	15.9	18.0	0.0	*	9.6
% STANDARD ERROR	8.4	0.4	0.7	33.5	20.5	22.8	16.3	0.0	0.1	62.9
% WITH CAPABILITY										
RHODE ISLAND	64	3	51	213	104	107	141	0	1	647
ESTIMATED POPULATION	67.0	*	75.8	42.4	55.8	60.1	50.3	0.0	*	26.1
% STANDARD ERROR	7.3	0.4	5.8	24.3	11.8	12.2	16.0	0.0	0.1	73.7
% WITH CAPABILITY										
SOUTH CAROLINA	237	3	9	542	318	496	292	0	2	1,661
ESTIMATED POPULATION	36.0	*	*	26.1	32.2	27.3	32.9	0.0	*	14.7
% STANDARD ERROR	10.2	0.1	0.4	23.3	13.7	21.3	12.6	0.0	0.1	71.4
% WITH CAPABILITY										
SOUTH DAKOTA	67	0	18	363	180	266	198	0	0	1,442
ESTIMATED POPULATION	71.2	0.0	*	32.7	46.3	38.2	44.0	0.0	0.0	14.9
% STANDARD ERROR	3.6	0.0	1.0	19.7	9.8	14.4	10.7	0.0	0.0	78.2
% WITH CAPABILITY										

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STATE	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA RECORDER	NO GCE
TENNESSEE										
ESTIMATED POPULATION	611	81	70	1,178	764	970	783	41	7	2,259
% STANDARD ERROR	22.6	65.0	69.6	17.0	19.8	18.7	20.3	*	*	13.4
% WITH CAPABILITY	17.1	2.3	2.0	33.0	21.4	27.2	21.9	1.1	0.2	63.2
TEXAS										
ESTIMATED POPULATION	1,717	226	311	4,940	3,810	4,426	3,690	91	76	8,945
% STANDARD ERROR	12.7	31.7	25.5	8.3	9.3	8.7	9.4	61.8	48.4	6.2
% WITH CAPABILITY	11.8	1.6	2.1	33.9	26.2	30.4	25.3	0.6	0.5	61.4
UTAH										
ESTIMATED POPULATION	142	45	12	464	248	232	247	4	46	1,558
% STANDARD ERROR	41.5	71.1	*	27.6	34.7	35.5	35.2	*	*	15.7
% WITH CAPABILITY	6.8	2.1	0.6	22.1	11.8	11.0	11.8	0.2	2.2	74.3
VERMONT										
ESTIMATED POPULATION	24	2	2	128	99	95	78	0	0	882
% STANDARD ERROR	*	*	*	54.7	64.6	65.5	73.0	0.0	0.0	19.4
% WITH CAPABILITY	2.3	0.2	0.2	12.4	9.6	9.2	7.6	0.0	0.0	85.2
VIRGINIA										
ESTIMATED POPULATION	425	87	99	1,139	819	1,062	734	0	23	2,582
% STANDARD ERROR	24.4	50.1	47.7	17.2	19.5	17.8	20.7	0.0	93.2	11.6
% WITH CAPABILITY	10.9	2.2	2.5	29.3	21.1	27.3	18.9	0.0	0.6	66.4
WASHINGTON										
ESTIMATED POPULATION	217	83	57	923	558	860	508	0	0	5,369
% STANDARD ERROR	34.6	59.9	58.2	20.0	24.9	21.0	25.9	0.0	0.0	8.1
% WITH CAPABILITY	3.3	1.3	0.9	14.0	8.5	13.1	7.7	0.0	0.0	81.6
WEST VIRGINIA										
ESTIMATED POPULATION	161	1	2	369	225	370	339	0	1	1,090
% STANDARD ERROR	48.3	56.4	*	33.0	40.5	33.3	35.5	0.0	56.4	18.9
% WITH CAPABILITY	10.3	0.0	0.1	23.6	14.4	23.6	21.6	0.0	0.0	69.6

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STATE	GUIDANCE AND CONTROL EQUIPMENT										FL DATA REC'D	NO GCE
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE		
WISCONSIN	225	15	72	1,012	614	805	657	2	4	3,608		
% ESTIMATED POPULATION	33.3	99.2	56.9	19.3	23.2	21.2	22.8	*	*	10.1		
% STANDARD ERROR	4.8	0.3	1.5	21.5	13.1	17.1	14.0	0.0	0.1	76.8		
% WITH CAPABILITY												
WYOMING	119	5	12	163	144	156	139	0	5	1,079		
% ESTIMATED POPULATION	51.4	*	*	43.0	46.3	43.1	47.6	0.0	*	18.4		
% STANDARD ERROR	9.5	0.4	1.0	13.0	11.5	12.5	11.1	0.0	0.4	86.1		
% WITH CAPABILITY												
PUERTO RICO	22	0	2	333	279	336	290	0	0	652		
% ESTIMATED POPULATION	*	0.0	*	34.2	38.3	34.2	37.1	0.0	0.0	25.4		
% STANDARD ERROR	2.2	0.0	0.2	33.3	27.9	33.6	29.1	0.0	0.0	65.3		
% WITH CAPABILITY												
OTHER U.S. TERRITORIES	2	0	0	14	15	18	13	0	0	163		
% ESTIMATED POPULATION	*	0.0	0.0	*	*	*	*	0.0	0.0	34.8		
% STANDARD ERROR	1.3	0.0	0.0	7.5	8.1	9.8	7.4	0.0	0.0	90.2		
% WITH CAPABILITY												
TOTAL ALL AIRCRAFT	21,086	3,380	4,108	63,954	43,281	54,708	40,794	587	880	148,099		
% ESTIMATED POPULATION	2.6	7.8	6.7	1.5	1.9	1.7	2.1	23.7	15.8	0.8		
% STANDARD ERROR	8.6	1.4	1.7	26.2	17.7	22.4	16.7	0.2	0.4	60.7		
% WITH CAPABILITY												

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

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 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	-----AUTOPILOT-AXIS CONTROLS----- LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA RECORDER	NO GCE
1 TO 5 YEARS OLD										
ESTIMATED POPULATION	2,050	1,016	1,003	2,978	2,704	2,572	2,568	2	105	7,192
% STANDARD ERROR	10.1	13.8	13.6	9.1	9.4	9.8	9.4	*	32.7	6.0
% WITH CAPABILITY	4.7	2.3	2.3	6.8	6.2	5.9	5.9	0.0	0.2	16.4
6 TO 10 YEARS OLD										
ESTIMATED POPULATION	2,997	903	1,004	4,058	3,765	3,600	3,645	34	170	4,342
% STANDARD ERROR	8.2	14.0	13.2	7.5	7.7	8.0	7.9	95.2	33.1	8.5
% WITH CAPABILITY	8.2	2.5	2.8	11.1	10.3	9.9	10.0	0.1	0.5	11.9
11 TO 15 YEARS OLD										
ESTIMATED POPULATION	6,585	426	788	14,129	10,413	12,441	10,837	337	243	10,575
% STANDARD ERROR	5.9	23.7	16.3	4.5	5.1	4.9	5.1	32.2	35.7	5.7
% WITH CAPABILITY	17.4	1.1	2.1	37.3	27.5	32.8	28.6	0.9	0.6	27.9
16 TO 20 YEARS OLD										
ESTIMATED POPULATION	5,706	503	837	18,066	11,784	14,948	11,583	109	68	20,299
% STANDARD ERROR	6.7	26.1	19.4	4.0	4.9	4.5	5.1	56.0	60.3	4.0
% WITH CAPABILITY	19.3	1.7	2.8	61.0	39.8	50.5	39.1	0.4	0.2	68.5
21 TO 25 YEARS OLD										
ESTIMATED POPULATION	1,506	156	48	8,352	4,935	7,149	4,738	2	25	13,889
% STANDARD ERROR	13.6	49.7	76.3	6.4	8.0	6.9	8.4	*	85.2	5.1
% WITH CAPABILITY	6.1	0.6	0.2	33.9	20.0	29.0	19.2	0.0	0.1	56.4
26 TO 30 YEARS OLD										
ESTIMATED POPULATION	984	166	174	8,398	4,736	6,760	3,524	26	127	19,558
% STANDARD ERROR	16.1	50.7	41.5	6.2	7.9	6.8	9.2	*	42.5	4.2
% WITH CAPABILITY	18.0	3.0	3.2	100.0	86.8	100.0	64.6	0.5	2.3	100.0

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 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	-----LONGITUDE	-----AUTOPILOT-AXIS CONTROLS-----	LATERAL APP MODE	AUTO LAND	FL DATA REC'D	NO GCE	
31 TO 35 YEARS OLD	392	41	94	3,568	1,922	3,241	1,745	27	11	11,621
ESTIMATED POPULATION	28.9	55.1	62.3	9.4	13.2	10.1	14.1	*	59.8	5.4
% STANDARD ERROR	10.6	1.1	2.6	96.9	52.2	88.1	47.4	0.7	0.3	100.0
% WITH CAPABILITY										
36 TO 40 YEARS OLD	81	35	2	1,214	744	1,126	603	0	5	8,044
ESTIMATED POPULATION	39.0	*	*	17.5	22.3	18.0	25.2	0.0	20.1	6.5
% STANDARD ERROR	1.9	0.8	0.0	28.5	17.4	26.4	14.1	0.0	0.1	100.0
% WITH CAPABILITY										
41 TO 45 YEARS OLD	17	1	1	255	117	193	81	1	0	4,703
ESTIMATED POPULATION	51.6	*	*	36.8	49.3	41.2	53.5	*	0.0	7.0
% STANDARD ERROR	1.1	0.1	0.1	16.7	7.7	12.7	5.3	0.1	0.0	100.0
% WITH CAPABILITY										
46 TO 50 YEARS OLD	22	0	5	110	53	109	44	0	3	11,911
ESTIMATED POPULATION	59.0	0.0	*	46.2	57.1	39.3	61.4	0.0	*	4.0
% STANDARD ERROR	0.5	0.0	0.1	2.3	1.1	2.2	0.9	0.0	0.1	100.0
% WITH CAPABILITY										
51 TO 55 YEARS OLD	4	1	3	4	10	11	1	0	0	3,350
ESTIMATED POPULATION	*	*	*	*	52.4	69.1	*	0.0	0.0	6.9
% STANDARD ERROR	0.3	0.1	0.3	0.3	0.8	0.9	0.1	0.0	0.0	100.0
% WITH CAPABILITY										
56 TO 60 YEARS OLD	2	0	0	0	0	0	0	0	0	312
ESTIMATED POPULATION	97.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4
% STANDARD ERROR	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4
% WITH CAPABILITY										

7.20 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 3 OF 3

AGE OF AIRCRAFT	GUIDANCE AND CONTROL EQUIPMENT										NO GCE	
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	-----AUTOPILOT-AXIS CONTROLS----- LONGITUDE VERTICAL		LATERAL	APP MODE	AUTO LAND	FL DATA RECORDER			
OVER 60 YEARS OLD												
ESTIMATED POPULATION	78	0	0	225	177	182	159	0	0	0	598	
% STANDARD ERROR	60.0	0.0	0.0	38.4	43.0	41.3	47.9	0.0	0.0	0.0	23.6	
% WITH CAPABILITY	18.5	0.0	0.0	53.4	41.9	43.2	37.8	0.0	0.0	0.0	100.0	
YEAR MANUFACTURE UNK												
ESTIMATED POPULATION	661	131	149	2,596	1,922	2,378	1,266	49	122	31,705		
% STANDARD ERROR	20.6	42.4	41.6	11.2	12.4	11.7	15.8	83.0	52.5	2.8		
% WITH CAPABILITY	1.4	0.3	0.3	5.3	4.0	4.9	2.6	0.1	0.3	65.2		
TOTAL ALL AIRCRAFT	21,086	3,380	4,108	63,954	43,281	54,708	40,794	587	880	148,099		
ESTIMATED POPULATION	2.6	7.8	6.7	1.5	1.9	1.7	2.1	23.7	15.8	0.8		
% STANDARD ERROR	8.6	1.4	1.7	26.2	17.7	22.4	16.7	0.2	0.4	60.7		

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

7.21 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IFR FLIGHT PLANS
BY TRANSPONDER EQUIPPED AIRCRAFT BY AIRCRAFT TYPE

PAGE 1 OF 2

AIRCRAFT TYPE	ESTIMATED NUMBER AIRCRAFT FLOWN IFR	PERCENT STANDARD ERROR	ESTIMATED PERCENT ACTIVE FLOWN IFR	TOTAL HOURS FLOWN IFR	PERCENT STANDARD ERROR	PERCENT OF TOTAL HOURS	EST. NUMBER FLOWN IFR WITH TRANSPONDER ⁿ	PERCENT STANDARD ERROR	PERCENT AIRCRAFT FLOWN TRANSPONDER
FIXED WING									
FIXED WING - PISTON									
1 ENG: 1-3 SEATS	3,487	11.5	8.5	91,714	11.5	1.9	427	10.7	12.3
1 ENG: 4+ SEATS	47,155	2.2	52.7	2,414,857	2.2	20.5	24,631	2.0	52.2
1 ENGINE: TOTAL	50,642	2.2	38.8	2,506,572	2.1	15.2	25,058	2.0	49.5
2 ENG: 1-6 SEATS	11,705	2.7	100.0	971,772	2.7	60.0	9,345	2.5	79.8
2 ENG: 7+ SEATS	5,336	3.0	97.6	581,612	3.0	65.1	4,424	3.0	82.9
2 ENGINE: TOTAL	17,041	2.1	100.0	1,553,384	2.0	61.8	13,770	1.9	80.8
PISTON: OTHER	42	36.9	100.0	1,133	36.9	100.0	19	21.0	45.1
PISTON: TOTAL	67,727	1.7	46.0	4,061,089	1.5	21.3	38,848	1.4	57.4
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL	238	29.3	34.0	90,492	29.3	37.1	120	31.1	50.3
2 ENG: 1-12 SEATS	4,016	0.9	100.0	902,156	0.9	100.0	3,944	1.0	98.2
2 ENG: 13+ SEATS	744	2.7	100.0	188,121	2.7	100.0	688	1.5	92.5
2 ENGINE: TOTAL	4,760	0.9	100.0	1,090,277	0.5	100.0	4,633	0.9	97.3
TURBOPROP: OTHER	53	21.7	100.0	911	21.7	27.8	53	0.0	100.0
TURBOPROP: TOTAL	5,052	1.6	100.0	1,181,681	2.4	96.3	4,806	1.2	95.1
FIXED WING - TURBOJET									
2 ENGINE: TOTAL	4,103	1.3	100.0	1,209,435	1.3	100.0	3,860	1.8	94.1

7.21 1993 GENERAL AVIATION ACTIVE AIRCRAFT AND TOTAL HOURS FLOWN UNDER IFR FLIGHT PLANS
BY TRANSPONDER EQUIPPED AIRCRAFT BY AIRCRAFT TYPE

PAGE 2 OF 2

AIRCRAFT TYPE	ESTIMATED NUMBER AIRCRAFT FLOWN IFR	PERCENT STANDARD ERROR	ESTIMATED PERCENT ACTIVE FLOWN IFR	TOTAL HOURS FLOWN IFR	PERCENT STANDARD ERROR	PERCENT OF TOTAL HOURS	EST. NUMBER FLOWN IFR WITH TRANSPONDER ⁿ	PERCENT STANDARD ERROR	PERCENT AIRCRAFT FLOWN TRANSPONDER
TURBOJET: OTHER	329	4.7	100.0	78,816	4.7	100.0	273	3.0	83.0
TURBOJET: TOTAL	4,433	1.3	100.0	1,288,251	0.3	100.0	4,134	1.7	93.3
FIXED WING: TOTAL	77,213	1.5	49.7	6,439,619	1.1	30.1	47,789	1.2	61.9
ROTORCRAFT									
PISTON: TOTAL	25	76.1	1.6	2,773	76.1	0.7	0	0.0	1.8
1 ENG: TURBINE	140	43.8	6.5	10,922	43.8	1.0	10	15.6	7.2
MULTI-ENG: TURBINE	287	10.9	40.0	13,448	10.9	3.5	184	8.7	64.3
TURBINE: TOTAL	427	16.1	14.9	24,370	20.5	1.7	194	8.3	45.6
ROTORCRAFT: TOTAL	453	15.8	10.1	27,143	0.0	1.5	195	8.3	43.1
OTHER AIRCRAFT									
GLIDERS:	131	44.7	8.0	4,133	44.7	2.6	8	0.0	6.4
LIGHTER-THAN-AIR:	142	59.8	4.0	6,825	59.8	3.2	4	0.0	3.1
EXPERIMENTAL:									
HOME BUILT:	225	62.9	3.3	5,292	62.9	1.8	4	0.0	2.1
EXHIBITION:	61	74.7	3.8	2,385	74.7	2.7	1	0.0	2.6
OTHER:	876	16.9	35.6	88,410	16.9	27.2	243	12.2	27.7
TOTAL ALL AIRCRAFT	79,104	1.5	44.9	6,573,809	1.1	27.0	48,247	1.2	61.0

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

ⁿ INCLUDES MODE A, MODE C, AND MODE S

CHAPTER VIII

AVIONICS FOR COMMUTER AIRCRAFT ONLY

8.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMPUTER AIRCRAFT ONLY

AIRCRAFT TYPE	AIRCRAFT SYSTEMS				VHF COMMUNICATIONS				NO VHF
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	
FIXED WING									
FIXED WING - PISTON									
1 ENG: 1-3 SEATS									
ESTIMATED POPULATION	128	0	43	0	0	126	41	0	507
% STANDARD ERROR	**	0.0	**	0.0	0.0	**	**	0.0	**
% WITH CAPABILITY	23.2	0.0	7.7	0.0	0.0	22.8	7.3	0.0	91.8
1 ENG: 4+ SEATS									
ESTIMATED POPULATION	433	0	235	0	395	361	117	0	8
% STANDARD ERROR	1.3	0.0	18.5	0.0	7.4	8.4	36.5	0.0	50.5
% WITH CAPABILITY	97.4	0.0	52.9	0.0	88.9	81.2	26.3	0.0	1.7
1 ENGINE: TOTAL									
ESTIMATED POPULATION	561	0	278	0	395	487	157	0	515
% STANDARD ERROR	1.0	0.0	15.7	0.0	7.4	6.3	27.1	0.0	0.8
% WITH CAPABILITY	56.3	0.0	27.9	0.0	39.6	48.8	15.8	0.0	51.6
2 ENG: 1-6 SEATS									
ESTIMATED POPULATION	63	0	5	1	61	54	45	1	0
% STANDARD ERROR	**	0.0	**	72.8	**	**	**	72.8	0.0
% WITH CAPABILITY	100.0	0.0	8.4	1.8	96.7	86.3	71.3	1.8	0.0
2 ENG: 7+ SEATS									
ESTIMATED POPULATION	486	0	100	1	389	463	11	0	30
% STANDARD ERROR	3.3	0.0	28.2	*	7.8	4.6	*	0.0	71.3
% WITH CAPABILITY	96.2	0.0	19.8	0.2	77.1	91.7	2.2	0.0	6.0
2 ENGINE: TOTAL									
ESTIMATED POPULATION	549	0	105	2	450	517	56	1	30
% STANDARD ERROR	3.0	0.0	26.7	67.8	6.8	4.1	25.2	72.8	71.3
% WITH CAPABILITY	96.7	0.0	18.6	0.4	79.3	91.1	9.9	0.2	5.3

8.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

AIRCRAFT TYPE	AIRCRAFT SYSTEMS				VHF COMMUNICATIONS				
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF
PISTON: OTHER	0	0	0	0	0	0	0	0	0
ESTIMATED POPULATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY									
PISTON: TOTAL	1,110	0	383	2	845	1,004	213	1	545
ESTIMATED POPULATION	1.5	0.0	13.6	67.8	5.0	3.7	21.1	72.8	4.0
% STANDARD ERROR	70.9	0.0	24.5	0.1	54.0	64.2	13.6	0.1	34.8
% WITH CAPABILITY									
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL	98	0	0	1	98	98	0	0	0
ESTIMATED POPULATION	**	0.0	0.0	**	**	**	0.0	0.0	0.0
% STANDARD ERROR	98.9	0.0	0.0	1.1	98.9	98.9	0.0	0.0	0.0
% WITH CAPABILITY									
2 ENG: 1-12 SEATS	335	156	170	0	351	521	166	228	0
ESTIMATED POPULATION	11.4	**	17.7	0.0	3.2	**	5.4	0.7	0.0
% STANDARD ERROR	64.3	30.0	32.7	0.0	67.4	100.0	31.9	43.8	0.0
% WITH CAPABILITY									
2 ENG: 13+ SEATS	214	0	45	0	165	215	2	203	0
ESTIMATED POPULATION	0.4	0.0	81.6	0.0	22.1	**	83.5	10.4	0.0
% STANDARD ERROR	99.3	0.0	20.7	0.0	76.6	99.6	1.1	93.8	0.1
% WITH CAPABILITY									
2 ENGINE: TOTAL	549	156	215	0	516	736	168	431	0
ESTIMATED POPULATION	7.0	**	22.0	0.0	7.4	**	5.5	4.9	0.0
% STANDARD ERROR	74.6	21.2	29.2	0.0	70.1	99.9	22.9	58.4	0.0
% WITH CAPABILITY									

8.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

AIRCRAFT TYPE	AIRCRAFT SYSTEMS										VHF COMMUNICATIONS			
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF					
TURBOPROP: OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESTIMATED POPULATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% WITH CAPABILITY														
TURBOPROP: TOTAL	648	156	215	1	615	834	168	431	0					
ESTIMATED POPULATION	5.9	**	22.0	**	6.2	**	5.5	4.9	0					
% STANDARD ERROR	77.5	18.7	25.7	0.1	73.5	99.8	20.1	51.5	0					
% WITH CAPABILITY														
FIXED WING - TURBOJET														
2 ENGINE TURBOJET	17	0	0	0	17	17	4	17	0					
ESTIMATED POPULATION	**	0.0	0.0	0.0	**	**	53.7	**	0.0					
% STANDARD ERROR	100.0	0.0	0.0	0.0	100.0	100.0	25.0	100.0	0.0					
% WITH CAPABILITY														
TURBOJET: OTHER	0	0	0	0	0	0	0	0	0					
ESTIMATED POPULATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
% WITH CAPABILITY														
TURBOJET: TOTAL	17	0	0	0	17	17	4	17	0					
ESTIMATED POPULATION	**	0.0	0.0	0.0	**	**	53.7	**	0.0					
% STANDARD ERROR	100.0	0.0	0.0	0.0	100.0	100.0	25.0	100.0	0.0					
% WITH CAPABILITY														
FIXED WING: TOTAL	1,775	156	598	3	1,477	1,856	386	449	545					
ESTIMATED POPULATION	2.4	**	11.8	45.2	3.9	2.0	11.9	4.7	4.0					
% STANDARD ERROR	73.4	6.5	24.7	0.1	61.1	76.7	16.0	18.6	22.5					
% WITH CAPABILITY														

8.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMPUTER AIRCRAFT ONLY

AIRCRAFT TYPE	AIRCRAFT SYSTEMS										VHF COMMUNICATIONS				
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF						
ROTORCRAFT															
PISTON															
ESTIMATED POPULATION	40	0	27	0	14	6	0	0	0						
% STANDARD ERROR	**	0.0	**	0.0	**	64.1	0.0	0.0	0.0						
% WITH CAPABILITY	100.0	0.0	66.3	0.0	33.7	13.9	0.0	0.0	0.0						
1 ENG: TURBINE															
ESTIMATED POPULATION	173	0	2	0	192	77	0	0	0						
% STANDARD ERROR	11.7	0.0	**	0.0	**	27.6	0.0	0.0	0.0						
% WITH CAPABILITY	90.4	0.0	1.1	0.0	100.0	40.0	0.0	0.0	0.0						
MULTI-ENG: TURBINE															
ESTIMATED POPULATION	226	0	46	0	225	204	3	91	0						
% STANDARD ERROR	**	0.0	**	0.0	**	4.0	*	18.1	0.0						
% WITH CAPABILITY	100.0	0.0	20.3	0.0	99.5	90.5	1.1	40.4	0.0						
TURBINE TOTAL:															
ESTIMATED POPULATION	399	0	48	0	416	281	3	91	0						
% STANDARD ERROR	5.1	0.0	**	0.0	**	8.1	*	18.1	0.0						
% WITH CAPABILITY	95.6	0.0	11.5	0.0	99.7	67.3	0.6	21.9	0.0						
ROTORCRAFT: TOTAL															
ESTIMATED POPULATION	439	0	75	0	430	286	3	91	0						
% STANDARD ERROR	4.6	0.0	**	0.0	**	8.0	*	18.1	0.0						
% WITH CAPABILITY	96.0	0.0	16.3	0.0	93.9	62.6	0.6	19.9	0.0						
OTHER AIRCRAFT															
GLIDERS:															
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	2						
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**						
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0						

8.1 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
BY AIRCRAFT TYPE
FOR COMMUTER AIRCRAFT ONLY

PAGE 5 OF 5

AIRCRAFT TYPE	AIRCRAFT SYSTEMS										VHF COMMUNICATIONS												
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 PORT	360 CH	360 FXD	720 PORT	720 CH	720 FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF	AIRCRAFT HAS ELECTRICAL SYSTEM	360 PORT	360 CH	360 FXD	720 PORT	720 CH	720 FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF	
LIGHTER-THAN-AIR:																							
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
EXPERIMENTAL																							
HOME-BUILT:																							
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EXHIBITION:																							
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER:																							
ESTIMATED POPULATION	44	0	0	0	0	0	0	0	0	0	84	66	2	16	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	49.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	27.1	*	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% WITH CAPABILITY	52.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	78.2	1.9	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL ALL AIRCRAFT	2,258	156	673	3	1,991	2,208	390	556	549														
ESTIMATED POPULATION	2.3	**	10.5	45.2	2.9	2.1	12.1	5.7	4.0														
% STANDARD ERROR	76.2	5.3	22.7	0.1	67.2	74.5	13.2	18.8	18.5														
% WITH CAPABILITY																							

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.2 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

REGION	AIRCRAFT SYSTEMS		VHF COMMUNICATIONS									
	AIRCRAFT HAS ELECTRICAL SYSTEM		360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF		
ALASKAN	204		0	29	0	189	148	26	21	5		
ESTIMATED POPULATION	14.0		0.0	39.0	0.0	15.3	19.3	25.6	49.3	80.5		
% STANDARD ERROR	100.0		0.0	14.2	0.0	92.5	72.7	12.7	10.4	2.2		
% WITH CAPABILITY												
CENTRAL	310		0	21	0	294	306	0	76	0		
ESTIMATED POPULATION	13.6		0.0	80.7	0.0	13.2	13.8	0.0	50.5	0.0		
% STANDARD ERROR	100.0		0.0	6.6	0.0	94.9	98.6	0.0	24.4	0.0		
% WITH CAPABILITY												
EASTERN	245		156	156	0	48	229	156	216	23		
ESTIMATED POPULATION	13.2		**	**	0.0	53.6	11.3	**	7.0	84.8		
% STANDARD ERROR	97.4		62.1	62.1	0.0	18.9	91.0	62.1	85.9	9.0		
% WITH CAPABILITY												
GREAT LAKES	64		0	36	0	35	36	2	27	422		
ESTIMATED POPULATION	48.2		0.0	77.6	0.0	40.6	38.5	**	49.9	**		
% STANDARD ERROR	13.3		0.0	7.4	0.0	7.1	7.4	0.4	5.5	86.7		
% WITH CAPABILITY												
NEW ENGLAND	119		0	88	0	86	87	9	3	0		
ESTIMATED POPULATION	32.3		0.0	32.4	0.0	44.0	44.4	77.7	**	0.0		
% STANDARD ERROR	97.9		0.0	73.0	0.0	71.4	72.0	7.7	2.3	0.0		
% WITH CAPABILITY												
NORTHWEST MOUNTAIN	459		0	153	1	458	417	112	30	0		
ESTIMATED POPULATION	8.8		0.0	33.3	**	8.9	9.1	40.2	36.1	0.0		
% STANDARD ERROR	99.7		0.0	33.3	0.2	99.5	90.5	24.4	6.6	0.0		
% WITH CAPABILITY												

8.2 1993 GENERAL AVIATION AIRCRAFT WITH VHF COMMUNICATIONS EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

REGION	AIRCRAFT SYSTEMS										VHF COMMUNICATIONS				
	AIRCRAFT HAS ELECTRICAL SYSTEM	360 CH PORT	360 CH FXD	720 CH PORT	720 CH FXD	1+ SYS	HF RADIO	COCKPIT VCE REC	NO VHF						
SOUTHERN	428	0	113	2	295	477	49	35	88						
ESTIMATED POPULATION	8.2	0.0	19.6	67.8	14.5	9.5	20.9	32.7	**						
% STANDARD ERROR	86.9	0.0	22.9	0.4	59.9	96.8	9.9	7.1	17.9						
% WITH CAPABILITY															
SOUTHWESTERN	263	0	36	0	223	152	0	137	3						
ESTIMATED POPULATION	19.9	0.0	99.6	0.0	16.9	30.4	0.0	31.7	43.8						
% STANDARD ERROR	100.0	0.0	13.8	0.0	84.9	58.0	0.0	52.1	1.2						
% WITH CAPABILITY															
WESTERN-PACIFIC	165	0	40	0	362	356	35	12	9						
ESTIMATED POPULATION	12.7	0.0	26.0	0.0	12.2	12.2	**	40.1	*						
% STANDARD ERROR	44.4	0.0	10.7	0.0	97.2	95.5	9.5	3.1	2.5						
% WITH CAPABILITY															
TOTAL ALL AIRCRAFT	2,258	156	673	3	1,991	2,208	390	556	549						
ESTIMATED POPULATION	2.3	**	10.5	45.2	2.9	2.1	12.1	5.7	4.0						
% STANDARD ERROR	76.2	5.3	22.7	0.1	67.2	74.5	13.2	18.8	18.5						
% WITH CAPABILITY															

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.3 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT				NO TRANS EQUIP	
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I		TCAS II
FIXED WING										
FIXED WING - PISTON										
1 ENG: 1-3 SEATS										
ESTIMATED POPULATION	2	2	2	548	0	88	41	0	0	422
% STANDARD ERROR	**	**	**	**	0.0	**	**	0.0	0.0	**
% WITH CAPABILITY	0.4	0.4	0.4	99.1	0.0	15.9	7.3	0.0	0.0	76.3
1 ENG: 4+ SEATS										
ESTIMATED POPULATION	263	272	287	121	117	319	0	0	0	125
% STANDARD ERROR	16.4	16.0	10.7	10.8	43.1	3.4	0.0	0.0	0.0	8.7
% WITH CAPABILITY	59.1	61.3	64.7	27.1	26.4	71.8	0.0	0.0	0.0	28.2
1 ENGINE: TOTAL										
ESTIMATED POPULATION	265	274	289	668	117	407	41	0	0	547
% STANDARD ERROR	16.3	15.8	10.6	1.9	43.1	2.7	**	0.0	0.0	2.0
% WITH CAPABILITY	26.6	27.5	29.0	67.0	11.8	40.8	4.1	0.0	0.0	54.8
2 ENG: 1-6 SEATS										
ESTIMATED POPULATION	63	63	63	0	0	63	0	0	0	0
% STANDARD ERROR	**	**	**	0.0	0.0	**	0.0	0.0	0.0	0.0
% WITH CAPABILITY	100.0	100.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
2 ENG: 7+ SEATS										
ESTIMATED POPULATION	490	489	490	16	12	479	0	0	0	25
% STANDARD ERROR	3.1	3.1	3.1	96.2	*	4.0	0.0	0.0	0.0	76.7
% WITH CAPABILITY	96.9	96.9	96.9	3.1	2.4	94.8	0.0	0.0	0.0	5.0
2 ENGINE: TOTAL										
ESTIMATED POPULATION	552	552	552	16	12	542	0	0	0	25
% STANDARD ERROR	2.7	2.7	2.7	96.2	*	3.6	0.0	0.0	0.0	76.7
% WITH CAPABILITY	97.3	97.2	97.3	2.7	2.1	95.4	0.0	0.0	0.0	4.4

8.3 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
BY AIRCRAFT TYPE
FOR COMMUTER AIRCRAFT ONLY

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
PISTON: OTHER										
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PISTON: TOTAL										
ESTIMATED POPULATION	817	827	842	684	129	949	41	0	0	572
% STANDARD ERROR	5.6	5.6	4.0	2.9	40.6	2.3	**	0.0	0.0	3.9
% WITH CAPABILITY	52.2	52.8	53.8	43.7	8.3	60.6	2.6	0.0	0.0	36.5
FIXED WING - TURBOPROP										
1 ENGINE: TOTAL										
ESTIMATED POPULATION	98	98	98	1	0	98	0	0	0	1
% STANDARD ERROR	**	**	**	**	0.0	**	0.0	0.0	0.0	**
% WITH CAPABILITY	98.9	98.9	98.9	1.1	0.0	98.9	0.0	0.0	0.0	1.1
2 ENG: 1-12 SEATS										
ESTIMATED POPULATION	521	521	520	0	241	503	6	0	0	12
% STANDARD ERROR	**	**	0.5	0.0	**	2.6	*	0.0	0.0	97.2
% WITH CAPABILITY	100.0	100.0	99.7	0.0	46.3	96.5	1.2	0.0	0.0	2.2
2 ENG: 13+ SEATS										
ESTIMATED POPULATION	216	216	216	0	141	86	9	36	0	14
% STANDARD ERROR	**	**	**	0.0	3.8	6.0	29.1	99.6	0.0	38.0
% WITH CAPABILITY	100.0	100.0	100.0	0.0	65.5	39.6	4.1	16.9	0.0	6.3
2 ENGINE: TOTAL										
ESTIMATED POPULATION	737	737	736	0	383	588	15	36	0	25
% STANDARD ERROR	**	**	0.3	0.0	1.4	2.4	60.1	99.6	0.0	49.3
% WITH CAPABILITY	100.0	100.0	99.8	0.0	51.9	79.9	2.1	4.9	0.0	3.4

8.3 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
TURBOPROP: OTHER										
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TURBOPROP: TOTAL										
ESTIMATED POPULATION	835	835	834	1	383	687	15	36	0	26
% STANDARD ERROR	**	**	0.3	**	1.4	2.1	60.1	99.6	0.0	47.2
% WITH CAPABILITY	99.9	99.9	99.7	0.1	45.7	82.1	1.8	4.4	0.0	3.1
FIXED WING - TURBOJET										
2 ENGINE TURBOJET										
ESTIMATED POPULATION	17	17	17	0	3	17	0	0	0	0
% STANDARD ERROR	**	**	**	0.0	**	**	0.0	0.0	0.0	0.0
% WITH CAPABILITY	100.0	100.0	100.0	0.0	18.6	100.0	0.0	0.0	0.0	0.0
TURBOJET: OTHER										
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TURBOJET: TOTAL										
ESTIMATED POPULATION	17	17	17	0	3	17	0	0	0	0
% STANDARD ERROR	**	**	**	0.0	**	**	0.0	0.0	0.0	0.0
% WITH CAPABILITY	100.0	100.0	100.0	0.0	18.6	100.0	0.0	0.0	0.0	0.0
FIXED WING: TOTAL										
ESTIMATED POPULATION	1,670	1,679	1,693	685	515	1,653	56	36	0	598
% STANDARD ERROR	2.7	2.7	2.0	2.9	10.2	1.6	16.5	99.6	0.0	4.2
% WITH CAPABILITY	69.0	69.4	70.0	28.3	21.3	68.3	2.3	1.5	0.0	24.7

8.3 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
BY AIRCRAFT TYPE
FOR COMMUTER AIRCRAFT ONLY

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
ROTORCRAFT										
PISTON										
ESTIMATED POPULATION	6	6	6	35	0	38	0	0	0	2
% STANDARD ERROR	64.1	64.1	64.1	10.3	0.0	**	0.0	0.0	0.0	**
% WITH CAPABILITY	13.9	13.9	13.9	86.1	0.0	94.0	0.0	0.0	0.0	6.0
1 ENG: TURBINE										
ESTIMATED POPULATION	2	2	2	189	41	192	0	0	0	0
% STANDARD ERROR	**	**	**	**	33.8	**	0.0	0.0	0.0	0.0
% WITH CAPABILITY	1.1	1.1	1.1	98.9	21.5	100.0	0.0	0.0	0.0	0.0
MULTI-ENG: TURBINE										
ESTIMATED POPULATION	198	192	193	26	0	225	0	0	0	1
% STANDARD ERROR	**	8.0	7.9	**	0.0	**	0.0	0.0	0.0	**
% WITH CAPABILITY	87.9	85.0	85.5	11.6	0.0	99.5	0.0	0.0	0.0	0.5
TURBINE TOTAL:										
ESTIMATED POPULATION	200	194	195	216	41	416	0	0	0	1
% STANDARD ERROR	**	7.9	7.9	**	33.8	**	0.0	0.0	0.0	**
% WITH CAPABILITY	48.0	46.5	46.8	51.7	9.9	99.7	0.0	0.0	0.0	0.3
ROTORCRAFT: TOTAL										
ESTIMATED POPULATION	206	200	201	250	41	454	0	0	0	4
% STANDARD ERROR	1.7	7.9	7.8	1.4	33.8	**	0.0	0.0	0.0	**
% WITH CAPABILITY	45.0	43.6	43.9	54.7	9.0	99.2	0.0	0.0	0.0	0.8
OTHER AIRCRAFT										
GLIDERS:										
ESTIMATED POPULATION	0	0	0	2	0	0	0	0	0	2
% STANDARD ERROR	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0

8.3 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
BY AIRCRAFT TYPE
FOR COMPUTER AIRCRAFT ONLY

PAGE 5 OF 5

AIRCRAFT TYPE	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
LIGHTER-THAN-AIR:										
ESTIMATED POPULATION	0	0	0	2	0	0	0	0	0	2
% STANDARD ERROR	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0
EXPERIMENTAL										
HOME-BUILT:										
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EXHIBITION:										
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER:										
ESTIMATED POPULATION	66	66	66	18	4	80	0	0	0	0
% STANDARD ERROR	27.1	27.1	27.1	97.0	*	12.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	78.2	78.2	78.2	21.8	5.2	94.8	0.0	0.0	0.0	0.0
TOTAL ALL AIRCRAFT										
ESTIMATED POPULATION	1,941	1,945	1,959	958	561	2,186	56	36	0	606
% STANDARD ERROR	2.5	2.7	2.1	2.8	9.9	1.3	16.5	99.6	0.0	4.2
% WITH CAPABILITY	65.5	65.6	66.1	32.3	18.9	73.8	1.9	1.2	0.0	20.4

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8.4 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
BY REGION OF BASED AIRCRAFT
FOR COMMUTER AIRCRAFT ONLY

PAGE 1 OF 2

REGION	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
ALASKAN										
ESTIMATED POPULATION	131	134	134	63	17	121	0	0	0	78
% STANDARD ERROR	22.0	18.7	18.7	17.5	73.6	22.2	0.0	0.0	0.0	17.0
% WITH CAPABILITY	64.2	65.8	65.8	31.0	8.4	59.5	0.0	0.0	0.0	38.0
CENTRAL										
ESTIMATED POPULATION	310	310	310	0	69	241	0	0	0	0
% STANDARD ERROR	13.6	13.6	13.6	0.0	54.8	7.6	0.0	0.0	0.0	0.0
% WITH CAPABILITY	100.0	100.0	100.0	0.0	22.4	77.6	0.0	0.0	0.0	0.0
EASTERN										
ESTIMATED POPULATION	252	252	252	0	172	194	0	0	0	48
% STANDARD ERROR	12.8	12.8	12.8	0.0	12.1	7.5	0.0	0.0	0.0	48.1
% WITH CAPABILITY	100.0	100.0	100.0	0.0	68.6	77.1	0.0	0.0	0.0	18.9
GREAT LAKES										
ESTIMATED POPULATION	63	63	37	423	3	64	0	0	0	422
% STANDARD ERROR	49.3	49.3	38.3	**	43.6	48.5	0.0	0.0	0.0	**
% WITH CAPABILITY	13.0	13.0	7.6	87.0	0.7	13.2	0.1	0.0	0.0	86.7
NEW ENGLAND										
ESTIMATED POPULATION	89	89	89	33	54	114	0	0	0	7
% STANDARD ERROR	42.9	42.9	42.9	22.2	51.5	33.4	0.0	0.0	0.0	*
% WITH CAPABILITY	73.1	73.1	73.1	26.9	44.5	94.0	0.0	0.0	0.0	6.0
NORTHWEST MOUNTAIN										
ESTIMATED POPULATION	313	313	362	97	185	410	15	0	0	43
% STANDARD ERROR	17.7	17.7	10.1	17.9	24.9	9.6	61.5	0.0	0.0	7.6
% WITH CAPABILITY	67.9	67.9	78.7	21.0	40.1	89.0	3.2	0.0	0.0	9.4

8.4 1993 GENERAL AVIATION AIRCRAFT WITH PRECISION APPROACH AND TRANSPONDER EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

REGION	PRECISION APPROACH EQUIPMENT				TRANSPONDER EQUIPMENT					
	LOCALIZER	MARKER BEACON	GLIDE SLOPE	NO PREC EQUIP	MODE A TRANSP	MODE C TRANSP	MODE S TRANSP	TCAS I	TCAS II	NO TRANS EQUIP
SOUTHERN										
ESTIMATED POPULATION	333	333	333	160	15	450	41	0	0	2
% STANDARD ERROR	12.2	12.2	12.2	15.8	**	10.2	**	0.0	0.0	**
% WITH CAPABILITY	67.6	67.6	67.6	32.4	3.1	91.3	8.2	0.0	0.0	0.5
SOUTHWESTERN										
ESTIMATED POPULATION	148	148	148	115	36	223	0	36	0	3
% STANDARD ERROR	30.9	30.9	30.9	24.0	99.6	16.9	0.0	99.6	0.0	43.8
% WITH CAPABILITY	56.2	56.2	56.2	43.8	13.8	84.9	0.0	13.8	0.0	1.2
WESTERN-PACIFIC										
ESTIMATED POPULATION	304	304	295	68	8	370	0	0	0	3
% STANDARD ERROR	14.3	14.3	14.7	21.2	53.6	12.3	0.0	0.0	0.0	**
% WITH CAPABILITY	81.5	81.5	79.1	18.2	2.2	99.2	0.0	0.0	0.0	0.8
TOTAL ALL AIRCRAFT										
ESTIMATED POPULATION	1,941	1,945	1,959	958	561	2,186	56	36	0	606
% STANDARD ERROR	2.5	2.7	2.1	2.8	9.9	1.3	16.5	99.6	0.0	4.2
% WITH CAPABILITY	65.5	65.6	66.1	32.3	18.9	73.8	1.9	1.2	0.0	20.4

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

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BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
FIXED WING								
FIXED WING - PISTON								
1 ENG: 1-3 SEATS	0	41	88	0	88	2	2	0
ESTIMATED POPULATION	0.0	**	**	0.0	**	**	**	0.0
% STANDARD ERROR	0.0	7.3	15.9	0.0	15.9	0.4	0.4	0.0
% WITH CAPABILITY								
1 ENG: 4+ SEATS	0	103	1	269	303	263	89	0
ESTIMATED POPULATION	0.0	49.1	*	11.9	3.4	16.7	33.8	0.0
% STANDARD ERROR	0.0	23.2	0.1	60.6	68.2	59.3	20.0	0.0
% WITH CAPABILITY								
1 ENGINE: TOTAL	0	144	88	269	391	266	91	0
ESTIMATED POPULATION	0.0	35.3	2.4	11.9	2.6	16.5	33.0	0.0
% STANDARD ERROR	0.0	14.4	8.9	27.0	39.2	26.6	9.1	0.0
% WITH CAPABILITY								
2 ENG: 1-6 SEATS	0	42	0	21	60	63	60	19
ESTIMATED POPULATION	0.0	1.9	0.0	3.8	**	**	**	**
% STANDARD ERROR	0.0	66.2	0.0	33.8	94.9	100.0	94.9	30.3
% WITH CAPABILITY								
2 ENG: 7+ SEATS	0	116	18	374	465	447	400	249
ESTIMATED POPULATION	0.0	26.1	83.1	8.3	4.7	5.7	6.3	5.0
% STANDARD ERROR	0.0	23.0	3.6	74.0	92.0	88.5	79.3	49.3
% WITH CAPABILITY								
2 ENGINE: TOTAL	0	158	18	395	524	510	460	268
ESTIMATED POPULATION	0.0	19.3	83.1	7.8	4.1	5.0	5.5	4.6
% STANDARD ERROR	0.0	27.8	3.2	69.6	92.3	89.8	81.0	47.2
% WITH CAPABILITY								

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	LONG RANGE NAVIGATION EQUIPMENT						OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA	
FIXED WING							
FIXED WING - PISTON							
1 ENG: 1-3 SEATS	0	88		0	0	0	0
ESTIMATED POPULATION	0.0	**		0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	15.9		0.0	0.0	0.0	0.0
% WITH CAPABILITY							
1 ENG: 4+ SEATS	0	109		0	0	0	0
ESTIMATED POPULATION	0.0	28.1		0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	24.6		0.0	0.0	0.0	0.0
% WITH CAPABILITY							
1 ENGINE: TOTAL	0	197		0	0	0	0
ESTIMATED POPULATION	0.0	15.6		0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	19.8		0.0	0.0	0.0	0.0
% WITH CAPABILITY							
2 ENG: 1-6 SEATS	36	38		1	1	0	0
ESTIMATED POPULATION	2.2	2.5		72.8	72.8	0.0	0.0
% STANDARD ERROR	57.8	61.0		1.8	1.8	0.0	0.0
% WITH CAPABILITY							
2 ENG: 7+ SEATS	21	64		22	0	0	0
ESTIMATED POPULATION	53.2	40.4		52.3	0.0	0.0	0.0
% STANDARD ERROR	4.1	12.6		4.4	0.0	0.0	0.0
% WITH CAPABILITY							
2 ENGINE: TOTAL	57	102		23	1	0	0
ESTIMATED POPULATION	19.5	25.2		50.0	72.8	0.0	0.0
% STANDARD ERROR	10.1	17.9		4.1	0.2	0.0	0.0
% WITH CAPABILITY							

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

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AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT				GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM		
FIXED WING						
FIXED WING - PISTON						
1 ENG: 1-3 SEATS						
ESTIMATED POPULATION	0	0	0	0	0	462
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	83.6
1 ENG: 4+ SEATS						
ESTIMATED POPULATION	10	0	0	0	26	163
% STANDARD ERROR	59.7	0.0	0.0	0.0	35.5	27.0
% WITH CAPABILITY	2.2	0.0	0.0	0.0	5.8	36.6
1 ENGINE: TOTAL						
ESTIMATED POPULATION	10	0	0	0	26	625
% STANDARD ERROR	59.7	0.0	0.0	0.0	35.5	7.0
% WITH CAPABILITY	1.0	0.0	0.0	0.0	2.6	62.7
2 ENG: 1-6 SEATS						
ESTIMATED POPULATION	13	16	37	1	10	0
% STANDARD ERROR	7.5	**	2.1	72.8	8.3	0.0
% WITH CAPABILITY	20.2	25.2	59.6	1.8	15.4	0.0
2 ENG: 7+ SEATS						
ESTIMATED POPULATION	257	319	11	3	41	30
% STANDARD ERROR	8.0	7.7	83.1	45.1	47.0	64.0
% WITH CAPABILITY	51.0	63.1	2.2	0.5	8.0	6.0
2 ENGINE: TOTAL						
ESTIMATED POPULATION	270	335	49	4	50	30
% STANDARD ERROR	7.7	7.3	19.2	38.4	37.9	64.0
% WITH CAPABILITY	47.6	58.9	8.6	0.7	8.8	5.4

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
PISTON: OTHER								
ESTIMATED POPULATION	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PISTON: TOTAL								
ESTIMATED POPULATION	0	302	106	664	915	775	551	268
% STANDARD ERROR	0.0	19.6	14.3	6.7	2.6	6.5	7.1	4.6
% WITH CAPABILITY	0.0	19.3	6.8	42.5	58.5	49.6	35.2	17.1
FIXED WING - TURBOPROP								
1 ENGINE: TOTAL								
ESTIMATED POPULATION	0	0	0	98	98	98	98	0
% STANDARD ERROR	0.0	0.0	0.0	**	**	**	**	0.0
% WITH CAPABILITY	0.0	0.0	0.0	98.9	98.9	98.9	98.9	0.0
2 ENG: 1-12 SEATS								
ESTIMATED POPULATION	0	2	0	345	509	509	509	364
% STANDARD ERROR	0.0	**	0.0	3.3	2.2	2.2	2.2	9.0
% WITH CAPABILITY	0.0	0.4	0.0	66.2	97.8	97.8	97.8	69.8
2 ENG: 13+ SEATS								
ESTIMATED POPULATION	3	36	1	162	203	203	203	12
% STANDARD ERROR	40.8	99.6	*	22.7	2.5	2.5	2.5	30.8
% WITH CAPABILITY	1.5	16.9	0.6	74.8	93.8	93.8	93.8	5.7
2 ENGINE: TOTAL								
ESTIMATED POPULATION	3	39	1	506	712	712	712	376
% STANDARD ERROR	40.8	94.1	*	7.6	1.7	1.7	1.7	8.8
% WITH CAPABILITY	0.4	5.2	0.2	68.7	96.6	96.6	96.6	51.0

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

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LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	-----LORAN-----					OMEGA	OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	APP IFR			
PISTON: OTHER							
ESTIMATED POPULATION	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PISTON: TOTAL							
ESTIMATED POPULATION	57	299	23	1	0	0	0
% STANDARD ERROR	19.5	13.4	50.0	72.8	0.0	0.0	0.0
% WITH CAPABILITY	3.7	19.1	1.5	0.1	0.0	0.0	0.0
FIXED WING - TURBOPROP							
1 ENGINE: TOTAL							
ESTIMATED POPULATION	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 ENG: 1-12 SEATS							
ESTIMATED POPULATION	94	195	259	6	17	0	0
% STANDARD ERROR	24.4	13.6	14.4	36.4	*	0.0	0.0
% WITH CAPABILITY	18.1	37.5	49.6	1.2	3.2	0.0	0.0
2 ENG: 13+ SEATS							
ESTIMATED POPULATION	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.2	0.1	0.0	0.0	0.0	0.0
2 ENGINE: TOTAL							
ESTIMATED POPULATION	94	196	259	6	17	0	0
% STANDARD ERROR	24.4	13.6	14.4	36.4	*	0.0	0.0
% WITH CAPABILITY	12.8	26.6	35.1	0.8	2.3	0.0	0.0

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

PAGE 6 OF 15

AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT						GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ		
PISTON: OTHER	0	0	0	0	0	0	0	
ESTIMATED POPULATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% WITH CAPABILITY								
PISTON: TOTAL	280	335	49	4	76	655	655	
ESTIMATED POPULATION	7.7	7.3	19.2	38.4	27.8	7.3	7.3	
% STANDARD ERROR	17.9	21.4	3.1	0.2	4.9	41.9	41.9	
% WITH CAPABILITY								
FIXED WING - TURBOPROP								
1 ENGINE: TOTAL	98	98	0	0	0	1	1	
ESTIMATED POPULATION	**	**	0.0	0.0	0.0	**	**	
% STANDARD ERROR	98.9	98.9	0.0	0.0	0.0	1.1	1.1	
% WITH CAPABILITY								
2 ENG: 1-12 SEATS	481	520	6	209	31	12	12	
ESTIMATED POPULATION	2.4	0.3	36.4	5.4	80.7	97.2	97.2	
% STANDARD ERROR	92.4	99.8	1.2	40.2	5.9	2.2	2.2	
% WITH CAPABILITY								
2 ENG: 13+ SEATS	91	117	3	66	1	13	13	
ESTIMATED POPULATION	40.5	32.9	*	55.5	**	38.7	38.7	
% STANDARD ERROR	42.1	54.0	1.2	30.6	0.5	6.2	6.2	
% WITH CAPABILITY								
2 ENGINE: TOTAL	572	636	9	275	32	25	25	
ESTIMATED POPULATION	6.7	6.0	40.4	13.9	78.2	49.7	49.7	
% STANDARD ERROR	77.7	86.4	1.2	37.4	4.3	3.4	3.4	
% WITH CAPABILITY								

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
TURBOPROP: OTHER								
ESTIMATED POPULATION	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TURBOPROP: TOTAL								
ESTIMATED POPULATION	3	39	1	605	810	810	810	376
% STANDARD ERROR	40.8	94.1	*	6.3	1.5	1.5	1.5	8.8
% WITH CAPABILITY	0.4	4.6	0.2	72.3	96.9	96.9	96.9	45.0
FIXED WING - TURBOJET								
2 ENGINE TURBOJET								
ESTIMATED POPULATION	0	0	0	9	17	17	17	17
% STANDARD ERROR	0.0	0.0	0.0	48.6	**	**	**	**
% WITH CAPABILITY	0.0	0.0	0.0	50.0	100.0	100.0	100.0	100.0
TURBOJET: OTHER								
ESTIMATED POPULATION	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TURBOJET: TOTAL								
ESTIMATED POPULATION	0	0	0	9	17	17	17	17
% STANDARD ERROR	0.0	0.0	0.0	48.6	**	**	**	**
% WITH CAPABILITY	0.0	0.0	0.0	50.0	100.0	100.0	100.0	100.0
FIXED WING: TOTAL								
ESTIMATED POPULATION	3	340	108	1,278	1,743	1,603	1,378	661
% STANDARD ERROR	40.8	20.4	14.2	4.6	1.5	3.3	3.0	5.3
% WITH CAPABILITY	0.1	14.1	4.5	52.8	72.1	66.3	57.0	27.3

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV
	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA		
TURBOPROP: OTHER	0	0		0	0	0		0
ESTIMATED POPULATION	0.0	0.0		0.0	0.0	0.0		0.0
% STANDARD ERROR	0.0	0.0		0.0	0.0	0.0		0.0
% WITH CAPABILITY								
TURBOPROP: TOTAL	94	196		259	6	17		0
ESTIMATED POPULATION	24.4	13.6		14.4	36.4	*		0.0
% STANDARD ERROR	11.3	23.4		30.9	0.7	2.0		0.0
% WITH CAPABILITY								0.0
FIXED WING - TURBOJET								
2 ENGINE TURBOJET	9	1		0	0	8		0
ESTIMATED POPULATION	48.6	*		0.0	0.0	52.8		0.0
% STANDARD ERROR	50.0	6.4		0.0	0.0	43.6		0.0
% WITH CAPABILITY								
TURBOJET: OTHER	0	0		0	0	0		0
ESTIMATED POPULATION	0.0	0.0		0.0	0.0	0.0		0.0
% STANDARD ERROR	0.0	0.0		0.0	0.0	0.0		0.0
% WITH CAPABILITY								
TURBOJET: TOTAL	9	1		0	0	8		0
ESTIMATED POPULATION	48.6	*		0.0	0.0	52.8		0.0
% STANDARD ERROR	50.0	6.4		0.0	0.0	43.6		0.0
% WITH CAPABILITY								
FIXED WING: TOTAL	160	496		282	7	24		0
ESTIMATED POPULATION	16.2	9.7		13.8	32.8	97.8		0.0
% STANDARD ERROR	6.6	20.5		11.7	0.3	1.0		0.0
% WITH CAPABILITY								

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

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AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT							GPS SYSTEM	GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPWS SYSTEM	GPS SYSTEM	NO NAV EQ			
TURBOPROP: OTHER										
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TURBOPROP: TOTAL										
ESTIMATED POPULATION	671	735	9	275	32	26				
% STANDARD ERROR	5.8	5.2	40.4	13.9	78.2	47.6				
% WITH CAPABILITY	80.2	87.9	1.0	32.9	3.8	3.1				
FIXED WING - TURBOJET										
2 ENGINE TURBOJET										
ESTIMATED POPULATION	17	17	0	4	5	0				
% STANDARD ERROR	**	**	0.0	92.0	77.3	0.0				
% WITH CAPABILITY	100.0	100.0	0.0	25.0	31.4	0.0				
TURBOJET: OTHER										
ESTIMATED POPULATION	0	0	0	0	0	0				
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0				
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0				
TURBOJET: TOTAL										
ESTIMATED POPULATION	17	17	0	4	5	0				
% STANDARD ERROR	**	**	0.0	92.0	77.3	0.0				
% WITH CAPABILITY	100.0	100.0	0.0	25.0	31.4	0.0				
FIXED WING: TOTAL										
ESTIMATED POPULATION	968	1,087	57	283	113	681				
% STANDARD ERROR	4.6	4.2	17.4	13.6	29.1	7.3				
% WITH CAPABILITY	40.0	44.9	2.4	11.7	4.7	28.2				

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
ROTORCRAFT								
PISTON								
ESTIMATED POPULATION	0	6	0	6	6	6	6	0
% STANDARD ERROR	0.0	64.1	0.0	64.1	64.1	64.1	64.1	0.0
% WITH CAPABILITY	0.0	13.9	0.0	13.9	13.9	13.9	13.9	0.0
1 ENG: TURBINE								
ESTIMATED POPULATION	0	0	54	42	0	4	0	0
% STANDARD ERROR	0.0	0.0	**	66.3	0.0	*	0.0	0.0
% WITH CAPABILITY	0.0	0.0	28.2	22.0	0.0	2.2	0.0	0.0
MULTI-ENG: TURBINE								
ESTIMATED POPULATION	0	1	0	197	172	199	193	0
% STANDARD ERROR	0.0	*	0.0	3.1	8.9	**	7.9	0.0
% WITH CAPABILITY	0.0	0.5	0.0	87.4	76.2	88.4	85.5	0.0
TURBINE TOTAL:								
ESTIMATED POPULATION	0	1	54	239	172	204	193	0
% STANDARD ERROR	0.0	*	**	12.0	8.9	3.7	7.9	0.0
% WITH CAPABILITY	0.0	0.3	12.9	57.4	41.2	48.8	46.3	0.0
ROTORCRAFT: TOTAL								
ESTIMATED POPULATION	0	7	54	245	177	209	199	0
% STANDARD ERROR	0.0	*	**	11.8	8.9	4.0	7.9	0.0
% WITH CAPABILITY	0.0	1.5	11.8	53.6	38.8	45.7	43.4	0.0
OTHER AIRCRAFT								
GLIDERS:								
ESTIMATED POPULATION	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

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LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA	OTHER LRNAV
ROTORCRAFT							
PISTON	0	25	0	0	0	0	0
ESTIMATED POPULATION	0.0	**	0.0	0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	62.8	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY							
1 ENG: TURBINE	0	126	0	0	0	0	0
ESTIMATED POPULATION	0.0	16.2	0.0	0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	65.6	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY							
MULTI-ENG: TURBINE	0	161	90	0	0	0	0
ESTIMATED POPULATION	0.0	9.5	20.7	0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	71.4	40.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY							
TURBINE TOTAL:	0	287	90	0	0	0	0
ESTIMATED POPULATION	0.0	8.9	20.7	0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	68.7	21.6	0.0	0.0	0.0	0.0
% WITH CAPABILITY							
ROTORCRAFT: TOTAL	0	312	90	0	0	0	0
ESTIMATED POPULATION	0.0	8.2	20.7	0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	68.2	19.7	0.0	0.0	0.0	0.0
% WITH CAPABILITY							
OTHER AIRCRAFT							
GLIDERS:	0	0	0	0	0	0	0
ESTIMATED POPULATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY							

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

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AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT						NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM		
ROTORCRAFT							
PISTON							
ESTIMATED POPULATION	0	0	0	0	4	6	
% STANDARD ERROR	0.0	0.0	0.0	0.0	**	64.1	
% WITH CAPABILITY	0.0	0.0	0.0	0.0	9.4	13.9	
1 ENG: TURBINE							
ESTIMATED POPULATION	0	0	0	0	79	41	
% STANDARD ERROR	0.0	0.0	0.0	0.0	31.2	33.8	
% WITH CAPABILITY	0.0	0.0	0.0	0.0	41.1	21.5	
MULTI-ENG: TURBINE							
ESTIMATED POPULATION	191	172	0	0	64	0	
% STANDARD ERROR	8.0	8.9	0.0	0.0	27.6	0.0	
% WITH CAPABILITY	84.6	76.4	0.0	0.0	28.3	0.0	
TURBINE TOTAL:							
ESTIMATED POPULATION	191	172	0	0	143	41	
% STANDARD ERROR	8.0	8.9	0.0	0.0	21.2	33.8	
% WITH CAPABILITY	45.7	41.3	0.0	0.0	34.2	9.9	
ROTORCRAFT: TOTAL							
ESTIMATED POPULATION	191	172	0	0	147	47	
% STANDARD ERROR	8.0	8.9	0.0	0.0	20.7	30.7	
% WITH CAPABILITY	41.7	37.7	0.0	0.0	32.0	10.2	
OTHER AIRCRAFT							
GLIDERS:							
ESTIMATED POPULATION	0	0	0	0	0	2	
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	**	
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	100.0	

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

BASIC NAVIGATION EQUIPMENT

AIRCRAFT TYPE	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
LIGHTER-THAN-AIR:								
ESTIMATED POPULATION	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EXPERIMENTAL								
HOME-BUILT:								
ESTIMATED POPULATION	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EXHIBITION:								
ESTIMATED POPULATION	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER:								
ESTIMATED POPULATION	0	12	0	54	61	66	66	57
% STANDARD ERROR	0.0	*	0.0	38.5	31.2	27.1	27.1	35.8
% WITH CAPABILITY	0.0	14.2	0.0	63.9	73.0	78.2	78.2	67.3

TOTAL ALL AIRCRAFT	3	359	162	1,577	1,982	1,878	1,643	718
ESTIMATED POPULATION	40.8	19.9	9.5	4.4	1.9	3.0	2.9	5.7
% STANDARD ERROR	0.1	12.1	5.5	53.2	66.8	63.4	55.4	24.2

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

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LONG RANGE NAVIGATION EQUIPMENT

AIRCRAFT TYPE	LONG RANGE NAVIGATION EQUIPMENT							OTHER LRNAV		
	L	R	NAV	VFR ONLY	LORAN	IFR NAV	APP IFR		OMEGA	
LIGHTER-THAN-AIR:										
ESTIMATED POPULATION	0			0	0	0	0	0	0	0
% STANDARD ERROR	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
EXPERIMENTAL										
HOME-BUILT:										
ESTIMATED POPULATION	0			0	0	0	0	0	0	0
% STANDARD ERROR	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
EXHIBITION:										
ESTIMATED POPULATION	0			0	0	0	0	0	0	0
% STANDARD ERROR	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER:										
ESTIMATED POPULATION	1			60	4	0	0	2	0	0
% STANDARD ERROR	*			32.4	*	0.0	0.0	*	0.0	0.0
% WITH CAPABILITY	1.5			71.4	4.6	0.0	0.0	1.9	0.0	0.0
TOTAL ALL AIRCRAFT	161			868	376	7	0	26	0	0
ESTIMATED POPULATION	16.4			6.7	11.8	32.8	0.0	94.6	0.0	0.0
% STANDARD ERROR	5.4			29.3	12.7	0.2	0.0	0.9	0.0	0.0

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.5 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

PAGE 15 OF 15

AIRCRAFT TYPE	OTHER NAVIGATION EQUIPMENT						NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPS/S SYSTEM	GPS SYSTEM		
LIGHTER-THAN-AIR:							
ESTIMATED POPULATION	0	0	0	0	0	0	2
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	100.0
EXPERIMENTAL							
HOME-BUILT:							
ESTIMATED POPULATION	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EXHIBITION:							
ESTIMATED POPULATION	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER:							
ESTIMATED POPULATION	25	54	5	0	7	0	0
% STANDARD ERROR	78.0	38.3	*	0.0	*	0.0	0.0
% WITH CAPABILITY	30.1	64.2	6.2	0.0	7.8	0.0	0.0
TOTAL ALL AIRCRAFT							
ESTIMATED POPULATION	1,184	1,313	63	283	266	732	732
% STANDARD ERROR	4.3	4.0	23.0	13.6	17.3	7.1	7.1
% WITH CAPABILITY	39.9	44.3	2.1	9.6	9.0	24.7	24.7

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.6 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

BASIC NAVIGATION EQUIPMENT

REGION	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
ALASKAN								
ESTIMATED POPULATION	0	11	0	153	91	159	115	32
% STANDARD ERROR	0.0	46.2	0.0	19.3	23.9	18.6	20.7	37.2
% WITH CAPABILITY	0.0	5.3	0.0	75.0	44.8	78.0	56.3	15.8
CENTRAL								
ESTIMATED POPULATION	0	20	4	280	308	310	308	208
% STANDARD ERROR	0.0	90.2	36.9	13.7	13.7	13.6	13.7	0.9
% WITH CAPABILITY	0.0	6.3	1.4	90.3	99.3	100.0	99.3	67.1
EASTERN								
ESTIMATED POPULATION	0	0	0	48	202	204	204	157
% STANDARD ERROR	0.0	0.0	0.0	53.6	12.6	12.5	12.5	**
% WITH CAPABILITY	0.0	0.0	0.0	18.9	80.4	81.1	81.1	62.6
GREAT LAKES								
ESTIMATED POPULATION	0	28	0	35	63	63	36	28
% STANDARD ERROR	0.0	97.8	0.0	40.6	49.3	49.3	38.5	48.9
% WITH CAPABILITY	0.0	5.8	0.0	7.1	13.0	13.0	7.4	5.8
NEW ENGLAND								
ESTIMATED POPULATION	0	10	0	85	87	95	85	8
% STANDARD ERROR	0.0	70.8	0.0	44.5	43.5	40.9	44.0	*
% WITH CAPABILITY	0.0	8.6	0.0	70.5	72.2	78.2	69.9	6.7
NORTHWEST MOUNTAIN								
ESTIMATED POPULATION	0	51	1	364	364	314	210	18
% STANDARD ERROR	0.0	80.8	*	10.1	10.1	17.8	17.5	63.1
% WITH CAPABILITY	0.0	11.1	0.1	79.0	79.0	68.3	45.5	3.9

8.6 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

LONG RANGE NAVIGATION EQUIPMENT

REGION	LONG RANGE NAVIGATION EQUIPMENT						OTHER LRNAV
	L R NAV	VFR ONLY	IFR NAV	APP IFR	OMEGA		
ALASKAN							
ESTIMATED POPULATION	11	69	11	0	0	0	0
% STANDARD ERROR	83.1	29.5	83.1	0.0	0.0	0.0	0.0
% WITH CAPABILITY	5.5	33.7	5.5	0.0	0.0	0.0	0.0
CENTRAL							
ESTIMATED POPULATION	9	22	6	6	14	0	0
% STANDARD ERROR	28.9	81.5	36.4	36.4	36.0	0.0	0.0
% WITH CAPABILITY	2.8	7.0	2.0	2.0	4.4	0.0	0.0
EASTERN							
ESTIMATED POPULATION	0	156	2	0	0	0	0
% STANDARD ERROR	0.0	**	55.4	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	62.1	0.6	0.0	0.0	0.0	0.0
GREAT LAKES							
ESTIMATED POPULATION	4	19	0	0	4	0	0
% STANDARD ERROR	92.0	67.6	0.0	0.0	92.0	0.0	0.0
% WITH CAPABILITY	0.9	3.9	0.0	0.0	0.9	0.0	0.0
NEW ENGLAND							
ESTIMATED POPULATION	10	91	0	0	3	0	0
% STANDARD ERROR	*	40.3	0.0	0.0	*	0.0	0.0
% WITH CAPABILITY	8.5	75.3	0.0	0.0	2.6	0.0	0.0
NORTHWEST MOUNTAIN							
ESTIMATED POPULATION	75	65	77	0	2	0	0
% STANDARD ERROR	7.7	19.4	11.8	0.0	*	0.0	0.0
% WITH CAPABILITY	16.4	14.0	16.7	0.0	0.3	0.0	0.0

8.6 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

REGION	OTHER NAVIGATION EQUIPMENT							NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPWS SYSTEM	GPS SYSTEM			
ALASKAN								
ESTIMATED POPULATION	84	41	0	14	74		33	
% STANDARD ERROR	22.9	33.7	0.0	52.8	31.3		32.3	
% WITH CAPABILITY	41.2	20.0	0.0	7.0	36.4		16.4	
CENTRAL								
ESTIMATED POPULATION	227	234	6	3	18		0	
% STANDARD ERROR	7.8	7.8	36.4	45.1	28.7		0.0	
% WITH CAPABILITY	73.1	75.6	2.0	0.8	5.8		0.0	
EASTERN								
ESTIMATED POPULATION	193	214	1	191	9		48	
% STANDARD ERROR	7.5	11.8	**	7.6	96.7		48.1	
% WITH CAPABILITY	76.6	85.2	0.4	75.9	3.6		18.9	
GREAT LAKES								
ESTIMATED POPULATION	21	35	0	21	13		422	
% STANDARD ERROR	61.4	39.7	0.0	61.9	44.0		**	
% WITH CAPABILITY	4.4	7.2	0.0	4.4	2.7		86.7	
NEW ENGLAND								
ESTIMATED POPULATION	10	26	0	3	10		1	
% STANDARD ERROR	*	94.4	0.0	**	*		*	
% WITH CAPABILITY	8.1	21.1	0.0	2.3	8.6		0.9	
NORTHWEST MOUNTAIN								
ESTIMATED POPULATION	186	203	5	9	35		137	
% STANDARD ERROR	18.1	17.3	*	94.4	6.6		32.1	
% WITH CAPABILITY	40.4	44.2	1.1	2.0	7.6		29.7	

8.6 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMPUTER AIRCRAFT ONLY

BASIC NAVIGATION EQUIPMENT

REGION	VOR 100CH PORT	VOR 100CH FXD	VOR 200CH PORT	VOR 200CH FXD	1+ VOR	ADF	DME	RNAV
SOUTHERN								
ESTIMATED POPULATION	0	124	103	263	422	327	276	69
% STANDARD ERROR	0.0	20.8	14.7	14.2	9.7	12.5	13.6	34.7
% WITH CAPABILITY	0.0	25.2	20.9	53.3	85.7	66.4	56.0	14.0
SOUTHWESTERN								
ESTIMATED POPULATION	0	48	0	133	148	148	137	12
% STANDARD ERROR	0.0	81.1	0.0	25.3	30.9	30.9	31.7	*
% WITH CAPABILITY	0.0	18.4	0.0	50.6	56.2	56.2	52.1	4.6
WESTERN-PACIFIC								
ESTIMATED POPULATION	3	66	54	216	296	258	273	185
% STANDARD ERROR	40.8	25.0	**	19.3	14.2	15.3	15.5	20.2
% WITH CAPABILITY	0.9	17.6	14.5	58.1	79.4	69.3	73.2	49.6
TOTAL ALL AIRCRAFT								
ESTIMATED POPULATION	3	359	162	1,577	1,982	1,878	1,643	718
% STANDARD ERROR	40.8	19.9	9.5	4.4	1.9	3.0	2.9	5.7
% WITH CAPABILITY	0.1	12.1	5.5	53.2	66.8	63.4	55.4	24.2

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.6 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

LONG RANGE NAVIGATION EQUIPMENT

REGION	L R NAV	VFR ONLY	LORAN	IFR NAV	APP IFR	OMEGA	OTHER LRNAV
SOUTHERN	16	145	1	3	0	0	0
ESTIMATED POPULATION	4.9	16.4	72.8	**	0.0	0.0	0.0
% STANDARD ERROR	3.3	29.4	0.2	0.6			
% WITH CAPABILITY							
SOUTHWESTERN	0	209	0	0	0	0	0
ESTIMATED POPULATION	0.0	17.3	0.0	0.0	0.0	0.0	0.0
% STANDARD ERROR	0.0	79.6	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY							
WESTERN-PACIFIC	35	92	0	0	0	0	0
ESTIMATED POPULATION	**	1.5	0.0	0.0	0.0	0.0	0.0
% STANDARD ERROR	9.4	24.8	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY							
TOTAL ALL AIRCRAFT	161	868	7	26	0	0	0
ESTIMATED POPULATION	16.4	6.7	32.8	94.6	0.0	0.0	0.0
% STANDARD ERROR	5.4	29.3	0.2	0.9			
% WITH CAPABILITY							

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.6 1993 GENERAL AVIATION AIRCRAFT WITH NAVIGATION EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

REGION	OTHER NAVIGATION EQUIPMENT						GPS SYSTEM	NO NAV EQ
	RADAR ALTIM	WEATHER RADAR	THUNDER STM DET	GPS SYSTEM	GPS SYSTEM			
SOUTHERN								
ESTIMATED POPULATION	136	224	15	6	36	49		
% STANDARD ERROR	10.5	14.4	65.1	44.8	75.9	6.1		
% WITH CAPABILITY	27.6	45.4	3.0	1.1	7.3	10.0		
SOUTHWESTERN								
ESTIMATED POPULATION	135	137	0	36	0	3		
% STANDARD ERROR	32.2	31.7	0.0	99.6	0.0	43.8		
% WITH CAPABILITY	51.3	52.1	0.0	13.8	0.0	1.2		
WESTERN-PACIFIC								
ESTIMATED POPULATION	192	199	35	0	71	39		
% STANDARD ERROR	19.5	18.9	**	0.0	19.7	25.5		
% WITH CAPABILITY	51.6	53.3	9.4	0.0	19.0	10.5		
TOTAL ALL AIRCRAFT								
ESTIMATED POPULATION	1,184	1,313	63	283	266	732		
% STANDARD ERROR	4.3	4.0	23.0	13.6	17.3	7.1		
% WITH CAPABILITY	39.9	44.3	2.1	9.6	9.0	24.7		

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.7 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

PAGE 1 OF 5

AIRCRAFT TYPE	GUIDANCE AND CONTROL EQUIPMENT										NO GCE	
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA RECORDER			
FIXED WING												
FIXED WING - PISTON												
1 ENG: 1-3 SEATS												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	550
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.5
1 ENG: 4+ SEATS												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	444
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
1 ENGINE: TOTAL												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	994
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.7
2 ENG: 1-6 SEATS												
ESTIMATED POPULATION	48	0	0	63	63	55	61	0	0	0	0	0
% STANDARD ERROR	2.0	0.0	0.0	**	**	**	**	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	76.3	0.0	0.0	100.0	100.0	88.1	96.7	0.0	0.0	0.0	0.0	0.0
2 ENG: 7+ SEATS												
ESTIMATED POPULATION	273	0	0	353	353	353	335	0	0	0	0	152
% STANDARD ERROR	0.5	0.0	0.0	7.5	7.5	7.5	8.3	0.0	0.0	0.0	0.0	17.3
% WITH CAPABILITY	54.1	0.0	0.0	69.8	69.8	69.8	66.3	0.0	0.0	0.0	0.0	30.2
2 ENGINE: TOTAL												
ESTIMATED POPULATION	321	0	0	416	416	408	396	0	0	0	0	152
% STANDARD ERROR	0.5	0.0	0.0	6.3	6.3	6.4	7.0	0.0	0.0	0.0	0.0	17.3
% WITH CAPABILITY	56.6	0.0	0.0	73.2	73.2	71.8	69.7	0.0	0.0	0.0	0.0	26.8

8.7 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

AIRCRAFT TYPE	GUIDANCE AND CONTROL EQUIPMENT										FL DATA REC'D	NO GCE
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE		
PISTON: OTHER												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PISTON: TOTAL												
ESTIMATED POPULATION	321	0	0	416	416	408	396	0	0	0	0	1,146
% STANDARD ERROR	0.5	0.0	0.0	6.3	6.3	6.4	7.0	0.0	0.0	0.0	0.0	2.3
% WITH CAPABILITY	20.5	0.0	0.0	26.6	26.6	26.1	25.3	0.0	0.0	0.0	0.0	73.3
FIXED WING - TURBOPROP												
1 ENGINE: TOTAL												
ESTIMATED POPULATION	98	0	0	98	98	98	98	0	0	0	0	1
% STANDARD ERROR	**	0.0	0.0	**	**	**	**	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	98.9	0.0	0.0	98.9	98.9	98.9	98.9	0.0	0.0	0.0	0.0	1.1
2 ENG: 1-12 SEATS												
ESTIMATED POPULATION	455	6	6	455	455	455	455	0	0	0	0	66
% STANDARD ERROR	0.4	36.4	36.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	2.6
% WITH CAPABILITY	87.4	1.2	1.2	87.4	87.4	87.4	87.4	0.0	0.0	0.0	0.0	12.6
2 ENG: 13+ SEATS												
ESTIMATED POPULATION	92	17	2	45	45	45	45	0	48	48	48	121
% STANDARD ERROR	41.4	*	**	80.5	80.5	81.1	81.1	0.0	76.3	76.3	76.3	31.6
% WITH CAPABILITY	42.6	8.0	0.9	20.8	20.8	20.7	20.7	0.0	22.1	22.1	22.1	56.0
2 ENGINE: TOTAL												
ESTIMATED POPULATION	547	23	8	500	500	500	500	0	48	48	48	187
% STANDARD ERROR	7.0	90.0	23.4	7.2	7.2	7.3	7.3	0.0	76.3	76.3	76.3	20.5
% WITH CAPABILITY	74.3	3.2	1.1	67.9	67.9	67.8	67.8	0.0	6.5	6.5	6.5	25.3

8.7 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMPUTER AIRCRAFT ONLY

AIRCRAFT TYPE	GUIDANCE AND CONTROL EQUIPMENT										NO GCE	
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	-----AUTOPILOT-AXIS CONTROLS----- LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE		
TURBOPROP: OTHER												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TURBOPROP: TOTAL												
ESTIMATED POPULATION	646	23	8	599	599	598	598	0	48	188		
% STANDARD ERROR	5.9	90.0	23.4	6.1	6.1	6.1	6.1	0.0	76.3	20.4		
% WITH CAPABILITY	77.2	2.8	1.0	71.6	71.6	71.5	71.5	0.0	5.7	22.4		
FIXED WING - TURBOJET												
2 ENGINE TURBOJET												
ESTIMATED POPULATION	13	4	3	17	17	17	17	0	1	0		
% STANDARD ERROR	30.7	92.0	**	**	**	**	**	0.0	*	0.0		
% WITH CAPABILITY	75.0	25.0	18.6	100.0	100.0	100.0	100.0	0.0	6.4	0.0		
TURBOJET: OTHER												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0		
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
TURBOJET: TOTAL												
ESTIMATED POPULATION	13	4	3	17	17	17	17	0	1	0		
% STANDARD ERROR	30.7	92.0	**	**	**	**	**	0.0	*	0.0		
% WITH CAPABILITY	75.0	25.0	18.6	100.0	100.0	100.0	100.0	0.0	6.4	0.0		
FIXED WING: TOTAL												
ESTIMATED POPULATION	980	28	11	1,031	1,031	1,023	1,011	0	49	1,334		
% STANDARD ERROR	3.9	77.3	16.8	4.3	4.3	4.4	4.5	0.0	74.7	3.5		
% WITH CAPABILITY	40.5	1.1	0.5	42.6	42.6	42.3	41.8	0.0	2.0	55.2		

8.7 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

AIRCRAFT TYPE	GUIDANCE AND CONTROL EQUIPMENT										FL DATA REC'D	NO GCE	
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE			
ROTORCRAFT													
PISTON													
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0	40
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
1 ENG: TURBINE													
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0	192
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
MULTI-ENG: TURBINE													
ESTIMATED POPULATION	84	2	51	119	119	119	119	119	118	118	0	0	55
% STANDARD ERROR	7.1	55.4	34.4	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.0	0.0	32.2
% WITH CAPABILITY	37.4	0.7	22.8	52.7	52.7	52.7	52.7	52.7	52.3	52.3	0.0	0.0	24.3
TURBINE TOTAL:													
ESTIMATED POPULATION	84	2	51	119	119	119	119	119	118	118	0	0	246
% STANDARD ERROR	7.1	55.4	34.4	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.0	0.0	7.2
% WITH CAPABILITY	20.2	0.4	12.3	28.5	28.5	28.5	28.5	28.5	28.3	28.3	0.0	0.0	59.0
ROTORCRAFT: TOTAL													
ESTIMATED POPULATION	84	2	51	119	119	119	119	119	118	118	0	0	287
% STANDARD ERROR	7.1	55.4	34.4	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.0	0.0	6.2
% WITH CAPABILITY	18.4	0.3	11.2	26.0	26.0	26.0	26.0	26.0	25.8	25.8	0.0	0.0	62.6
OTHER AIRCRAFT													
GLIDERS:													
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0	2
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

8.7 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY AIRCRAFT TYPE
 FOR COMMUTER AIRCRAFT ONLY

PAGE 5 OF 5

AIRCRAFT TYPE	GUIDANCE AND CONTROL EQUIPMENT										FL DATA RECORDER	NO GCE
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	AUTOPILOT-AXIS CONTROLS	LATERAL	APP MODE	AUTO LAND	FL DATA RECORDER	NO GCE		
LIGHTER-THAN-AIR:												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	2
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
EXPERIMENTAL												
HOME-BUILT:												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EXHIBITION:												
ESTIMATED POPULATION	0	0	0	0	0	0	0	0	0	0	0	0
% STANDARD ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% WITH CAPABILITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER:												
ESTIMATED POPULATION	56	0	0	59	58	59	55	0	0	0	0	23
% STANDARD ERROR	36.1	0.0	0.0	33.3	34.5	33.3	37.0	0.0	0.0	0.0	0.0	84.2
% WITH CAPABILITY	66.8	0.0	0.0	70.3	68.8	70.3	65.7	0.0	0.0	0.0	0.0	27.0
TOTAL ALL AIRCRAFT	1,120	29	63	1,210	1,208	1,202	1,184	0	0	0	49	1,648
ESTIMATED POPULATION	3.9	73.1	28.3	4.0	4.1	4.1	4.2	0.0	0.0	0.0	74.7	3.2
% STANDARD ERROR	37.8	1.0	2.1	40.8	40.8	40.5	40.0	0.0	0.0	0.0	1.6	55.6

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

8.8 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

REGION	GUIDANCE AND CONTROL EQUIPMENT									
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	-----AUTOPILOT-AXIS CONTROLS----- LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA RECDR	NO GCE
ALASKAN										
ESTIMATED POPULATION	48	0	0	42	42	35	42	0	0	156
% STANDARD ERROR	29.8	0.0	0.0	29.5	29.5	35.9	29.5	0.0	0.0	15.9
% WITH CAPABILITY	23.5	0.0	0.0	20.7	20.7	17.0	20.7	0.0	0.0	76.5
CENTRAL										
ESTIMATED POPULATION	219	6	6	239	239	239	234	0	0	72
% STANDARD ERROR	3.6	36.4	36.4	7.7	7.7	7.7	7.8	0.0	0.0	53.2
% WITH CAPABILITY	70.4	2.0	2.0	76.9	76.9	76.9	75.6	0.0	0.0	23.1
EASTERN										
ESTIMATED POPULATION	173	17	2	165	165	165	165	0	6	77
% STANDARD ERROR	12.0	*	55.4	**	**	**	**	0.0	**	31.7
% WITH CAPABILITY	68.8	6.7	0.6	65.7	65.7	65.7	65.7	0.0	2.5	30.8
GREAT LAKES										
ESTIMATED POPULATION	10	5	1	14	14	14	14	0	1	471
% STANDARD ERROR	40.7	72.6	**	40.5	40.5	41.6	41.6	0.0	**	6.5
% WITH CAPABILITY	2.1	1.1	0.2	2.9	2.9	2.8	2.8	0.0	0.3	97.0
NEW ENGLAND										
ESTIMATED POPULATION	17	0	0	23	23	23	21	0	0	95
% STANDARD ERROR	*	0.0	0.0	*	*	*	*	0.0	0.0	31.7
% WITH CAPABILITY	14.0	0.0	0.0	18.9	18.9	18.9	17.1	0.0	0.0	78.8
NORTHWEST MOUNTAIN										
ESTIMATED POPULATION	185	1	1	172	170	172	167	0	2	270
% STANDARD ERROR	16.8	**	**	19.0	19.0	19.0	18.9	0.0	*	8.9
% WITH CAPABILITY	40.1	0.2	0.2	37.3	37.0	37.3	36.2	0.0	0.4	58.7

8.8 1993 GENERAL AVIATION AIRCRAFT WITH GUIDANCE AND CONTROL EQUIPMENT
 BY REGION OF BASED AIRCRAFT
 FOR COMMUTER AIRCRAFT ONLY

REGION	GUIDANCE AND CONTROL EQUIPMENT										FL DATA REC'D	NO GCE
	FLIGHT DIRECT	EFIS	FL MGT COMPTR	LONGITUDE	VERTICAL	LATERAL	APP MODE	AUTO LAND	FL DATA REC'D	NO GCE		
SOUTHERN												
ESTIMATED POPULATION	198	0	3	249	249	249	236	0	3	229		
% STANDARD ERROR	12.6	0.0	**	14.5	14.5	14.5	14.9	0.0	96.3	13.8		
% WITH CAPABILITY	40.3	0.0	0.7	50.5	50.5	50.5	48.0	0.0	0.6	46.5		
SOUTHWESTERN												
ESTIMATED POPULATION	51	0	50	85	85	85	85	0	36	126		
% STANDARD ERROR	77.8	0.0	35.5	46.6	46.6	46.6	46.6	0.0	99.6	24.6		
% WITH CAPABILITY	19.2	0.0	18.9	32.4	32.4	32.4	32.4	0.0	13.8	47.9		
WESTERN-PACIFIC												
ESTIMATED POPULATION	220	0	0	221	221	221	220	0	0	150		
% STANDARD ERROR	16.9	0.0	0.0	16.8	16.8	16.8	16.9	0.0	0.0	17.2		
% WITH CAPABILITY	59.1	0.0	0.0	59.3	59.3	59.3	59.0	0.0	0.0	40.4		
TOTAL ALL AIRCRAFT												
ESTIMATED POPULATION	1,120	29	63	1,210	1,208	1,202	1,184	0	49	1,648		
% STANDARD ERROR	3.9	73.1	28.3	4.0	4.1	4.1	4.2	0.0	74.7	3.2		
% WITH CAPABILITY	37.8	1.0	2.1	40.8	40.8	40.5	40.0	0.0	1.6	55.6		

NOTE: COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.

** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

CHAPTER IX

NATIONAL AIRSPACE SYSTEM (NAS) CAPABILITY GROUPS BASED ON AVIONICS

CHAPTER IX

NATIONAL AIRSPACE SYSTEM (NAS) CAPABILITY GROUPS BASED ON AVIONICS

Estimates of the number of aircraft containing various individual pieces of avionics equipment (the basis for Chapter VII) do not provide enough information to determine an aircraft's overall ability to use the National Airspace System (NAS). To obtain a certain capability or privilege, an aircraft may be required to have several pieces of avionics gear. This requirement led to the study of groups of avionics equipment, rather than individual pieces, and to the development of two avionics capability group classifications, hierarchical and nonhierarchical. These two capability group classifications provide a framework for the general aviation fleet by relating airborne avionics equipment groups to aircraft capability to perform in the NAS, and they facilitate analysis of the activity and characteristics of the general aviation fleet.

This chapter presents two figures and 11 tables on hierarchical and nonhierarchical statistics. Figures 9.1 and 9.2 list the hierarchical and nonhierarchical capability groups, respectively. Tables 9.1-9.5 consider hierarchical capability groups in eight different categories, by: aircraft type, age of aircraft, total flight hour groups, primary use, and region of based aircraft, respectively. Tables 9.7-9.11 present nonhierarchical capability groups in five categories. The table in between these two groups, Table 9.6, is a comparison between nonhierarchical and hierarchical capability groups.

The hierarchical class consists of avionics groupings which comply with FAA requirements for use in various aspects of the NAS. FAA regulations address three basic capabilities, the capability to: (a) fly in different segments of the airspace; (b) fly under visual flight rules (VFR) and instrument flight rules (IFR); and (c) land at different classes of airports. These groups are called hierarchical because, in general, the avionics equipment and associated capabilities for one capability group are a subset of the avionics equipment and associated capabilities for the next higher group, and so on.

The second class of capability groups, nonhierarchical, consists of avionics groupings not required by FAA regulations, but which give an aircraft additional capability in the NAS. The nonhierarchical groups were formed by grouping together component pieces of avionics equipment which, as a whole, form a complete avionics system. A complete avionics system enables an aircraft to make full use of a communications, navigation, or surveillance system in the NAS.

Figure 9.1
HIERARCHICAL CAPABILITY GROUPS

GROUP	AVIONICS	CAPABILITIES
1	No Regulatory Avionics	<p>A. • Up to and including 12,000 feet Mean Sea Level (MSL). • Gliders—up to and including 18,000 feet Mean Sea Level (MSL). • ADF—Colored airways below 12,500 feet MSL. • VOR or RNAV—VOR airways below 12,500 feet MSL. • RNAV—Low altitude RNAV airways below 12,500 feet MSL.</p> <p>B. • VFR flight, day and night.</p> <p>C. • Uncontrolled airports.</p>
2	Two-way Communications	<p>A. • Up to and including 12,500 feet Mean Sea Level (MSL). • Gliders—up to and including 18,000 feet Mean Sea Level (MSL).</p> <p>B. • VFR flight, day and night.</p> <p>C. • Non-TCA controlled airports. • Group III TCAs. • Helicopter with 4096 code transponders Group III TCAs • Helicopters—Group I and II TCAs below 1,000 feet Above Ground Level (AGL).</p> <p><i>NOTE:</i> Air taxis with navigation system and transponder: Group II TCAs.</p> <p>Air taxis with navigation system, transponder and altitude reporting: Group I TCAs and non-positive controlled airspace.</p> <p>Air taxis with navigation system, DME, transponder and altitude reporting: Group I TCAs and positive controlled airspace.</p>
3	Two-way Communications Two Systems—Air Taxis Very High Frequency Omni- Directional Radio Range (VOR) or Automatic Direction Finder (ADF) or Area Navigational Equipment (RNAV)	<p>A. • Up to and including 12,500 feet Mean Sea Level (MSL). • Gliders up to and including 18,000 feet Mean Sea Level (MSL). • ADF—Colored airways below 12,500 feet MSL. • VOR or RNAV—VOR airways below 12,500 feet MSL. • RNAV—Low altitude RNAV airways below 12,500 feet MSL.</p> <p>B. • IFR flight.</p> <p>C. • Non-TCA controlled airways. • Group III TCAs. • Helicopter with 4096 code transponders Group III TCAs • Helicopters—Group I and II TCAs below 1,000 feet Above Ground Level (AGL).</p>

Figure 9.1

HIERARCHICAL CAPABILITY GROUPS (Cont.)

GROUP	AVIONICS	CAPABILITIES
4	Two-way Communications Two Systems—Air Taxic 4096 Code Transponder VOR or RNAV	A. • Up to and including 12,500 feet Mean Sea Level (MSL). • Gliders up to and including 18,000 feet Mean Sea Level MSL). • VOR airways below 12,500 feet MSL. • RNAV—Low altitude RNAV airways below 12,500 feet MSL. B. • IFR flight. C. • Non-TCA controlled airways. • Group II TCAs. • Helicopter—Group I TCAs below 1,000 feet AGL.
5	4096 Code Transponder Altitude Encoding Equipment	A. • Non-positive controlled airspace. B. • VFR flight, day and night. C. • Uncontrolled airports. • Group III TCAs.
6	Two-way Communications 4096 Code Transponder Altitude Encoding Equipment	A. • Non-positive controlled airspace. B. • VFR flight, day and night. C. • Uncontrolled airports. • Group III TCAs. • Helicopters—Group I TCAs.
7	Two-way Communications 4096 Code Transponder Altitude Encoding Equipment VOR	A. • Non-positive controlled airspace. • VOR airways. B. • IFR flight. C. • Group I TCAs.
8	Two-way Communications 4096 Code Transponder Altitude Encoding Equipment VOR and/or RNAV Distance Measuring Equipment (DME)	A. • Positive controlled airspace. • Jet routes. • RNAV—RNAV routes. B. • IFR flight. C. • Uncontrolled airports. • Group I TCAs.

- A. Airport Segment
- B. Flight Rules
- C. Airport Class

Figure 9.2

NONHIERARCHICAL CAPABILITY GROUPS

GROUP	AVIONICS	CAPABILITIES
1	Localizer (LOC)	Partial use of airport Instrument Landing System (ILS)
2	LOC, Marker Beacon (MB)	Partial use of airport ILS.
3	LOC, MB, Glide Slope (GS)	full use of airport ILS.
4	Long Range Navigation (LRNAV) (LORAN, VFR only, Enroute IFR, Terminal IFR and Omega or other Visual Flight Rules only)	Area navigation over long distances and large bodies of water.
5	Radar Altimeter (RA)	Determination of altitude above level of terrain.
No Group	No Regulatory Avionics	

9.1 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY AIRCRAFT TYPE
 INCLUDES COMMUTER AIRCRAFT

HIERARCHICAL CAPABILITY GROUPS

AIRCRAFT TYPE	1	2	3	4	5	6	7	8	TOTAL
FIXED - WING									
FIXED WING - PISTON									
1 ENG: 1-3 SEATS	19,092	7,849	9,716	2,203	843	2,945	23,996	2,168	68,813
ESTIMATE	3.1	6.6	6.1	13.9	22.9	10.9	2.8	13.0	**
% STD. ERROR	27.7	11.4	14.1	3.2	1.2	4.3	34.9	3.2	
ROW %	60.6	41.9	52.8	25.1	26.4	32.2	31.1	2.7	28.0
COLUMN %									
1 ENG: 4+ SEATS	2,205	1,349	4,539	4,286	1,763	1,691	45,223	48,551	109,606
ESTIMATE	10.6	14.4	8.5	9.5	15.8	14.9	2.2	2.0	**
% STD. ERROR	2.0	1.2	4.1	3.9	1.6	1.5	41.3	44.3	
ROW %	7.0	7.2	24.6	48.8	55.1	18.5	58.6	61.4	44.6
COLUMN %									
2 ENG: 1-6 SEATS	188	43	291	585	65	80	1,961	11,974	15,187
ESTIMATE	30.2	57.6	35.3	24.0	53.0	53.0	12.8	2.4	**
% STD. ERROR	1.2	0.3	1.9	3.9	0.4	0.5	12.9	78.8	
ROW %	0.6	0.2	1.6	6.7	2.0	0.9	2.5	15.1	6.2
COLUMN %									
2 ENG: 7+ SEATS	253	163	125	90	143	214	495	5,099	6,581
ESTIMATE	27.3	43.7	54.7	50.1	47.9	38.3	19.4	3.4	**
% STD. ERROR	3.8	2.5	1.9	1.4	2.2	3.3	7.5	77.5	
ROW %	0.8	0.9	0.7	1.0	4.5	2.3	0.6	6.5	2.7
COLUMN %									
PISTON: OTHER	16	11	0	0	0	0	42	26	95
ESTIMATE	68.8	83.6	0.0	0.0	0.0	0.0	34.5	50.3	**
% STD. ERROR	16.8	11.6	0.0	0.0	0.0	0.0	44.2	27.4	
ROW %	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
COLUMN %									
FIXED WING - TURBOPROP									
1 ENGINE: TOTAL	164	73	17	104	3	47	56	342	807
ESTIMATE	24.7	47.1	75.0	48.0	*	43.8	45.6	15.3	**
% STD. ERROR	20.3	9.0	2.1	12.9	0.4	5.8	6.9	42.4	
ROW %	0.5	0.4	0.1	1.2	0.1	0.5	0.1	0.4	0.3
COLUMN %									

9.1 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY AIRCRAFT TYPE
 INCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 4

HIERARCHICAL CAPABILITY GROUPS

AIRCRAFT TYPE	1	2	3	4	5	6	7	8	TOTAL
2 ENG: 1-12 SEATS	14	0	14	188	44	14	5	3,807	4,086
ESTIMATE	87.1	0.0	*	38.6	86.3	*	75.3	2.2	**
% STD. ERROR	0.3	0.0	0.3	4.6	1.1	0.3	0.1	93.2	
ROW %	0.0	0.0	0.1	2.1	1.4	0.2	0.0	4.8	1.7
COLUMN %									
2 ENG: 13+ SEATS	22	0	8	235	13	5	8	576	868
ESTIMATE	40.5	0.0	77.0	15.3	70.8	85.8	44.1	6.7	**
% STD. ERROR	2.5	0.0	0.9	27.1	1.5	0.6	0.9	66.4	
ROW %	0.1	0.0	0.0	2.7	0.4	0.1	0.0	0.7	0.4
COLUMN %									
TURBOPROP: OTHER	0	0	0	0	0	0	0	71	71
ESTIMATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	**
% STD. ERROR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
ROW %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
COLUMN %									
FIXED WING - TURBOJET	18	10	2	495	37	33	24	3,652	4,272
2 ENGINE: TOTAL	81.9	96.5	*	20.8	84.5	56.5	96.4	3.0	**
ESTIMATE	0.4	0.2	0.0	11.6	0.9	0.8	0.6	85.5	
% STD. ERROR	0.1	0.1	0.0	5.6	1.2	0.4	0.0	4.6	1.7
ROW %									
COLUMN %									
TURBOJET: OTHER	46	18	2	92	15	18	31	210	434
ESTIMATE	18.5	32.1	*	23.7	60.9	32.4	23.7	11.3	**
% STD. ERROR	10.6	4.1	0.5	21.2	3.5	4.1	7.1	48.4	
ROW %	0.1	0.1	0.0	1.0	0.5	0.2	0.0	0.3	0.2
COLUMN %									
ROTORCRAFT	1,097	923	342	21	63	1,294	497	36	4,274
PISTON: TOTAL	9.5	11.1	19.2	69.9	39.8	8.3	13.0	53.5	**
ESTIMATE	25.7	21.6	8.0	0.5	1.5	30.3	11.6	0.8	
% STD. ERROR	3.5	4.9	1.9	0.2	2.0	14.2	0.6	0.0	1.7
ROW %									
COLUMN %									

9.1 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY AIRCRAFT TYPE
 INCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	HIERARCHICAL CAPABILITY GROUPS								TOTAL	
	1	2	3	4	5	6	7	8		
1 ENG: TURBINE	ESTIMATE	236	161	36	72	108	775	1,243	409	3,040
	% STD. ERROR	15.1	34.4	79.4	55.2	39.2	15.2	10.5	22.9	**
	ROW %	7.8	5.3	1.2	2.4	3.6	25.5	40.9	13.5	1.2
MULTI-ENG: TURBINE	COLUMN %	0.7	0.9	0.2	0.8	3.4	8.5	1.6	0.5	
	ESTIMATE	8	15	1	35	10	109	86	642	906
	% STD. ERROR	51.0	36.2	*	39.9	93.1	29.6	28.2	5.8	**
OTHER AIRCRAFT	ROW %	0.9	1.7	0.1	3.9	1.1	12.0	9.5	70.9	
	COLUMN %	0.0	0.1	0.0	0.4	0.3	1.2	0.1	0.8	0.4
	ESTIMATE	927	1,500	95	6	0	156	71	4	2,760
GLIDERS:	% STD. ERROR	12.9	8.4	48.6	*	0.0	37.5	56.7	*	**
	ROW %	33.6	54.3	3.4	0.2	0.0	5.7	2.6	0.1	
	COLUMN %	2.9	8.0	0.5	0.1	0.0	1.7	0.1	0.0	1.1
LIGHTER-THAN-AIR:	ESTIMATE	2,996	2,099	231	0	0	80	33	59	5,497
	% STD. ERROR	8.1	11.3	42.4	0.0	0.0	72.9	*	85.4	**
	ROW %	54.5	38.2	4.2	0.0	0.0	1.5	0.6	1.1	
EXPERIMENTAL	COLUMN %	9.5	11.2	1.3	0.0	0.0	0.9	0.0	0.1	2.2
	ESTIMATE	3,166	2,676	2,419	251	56	1,331	2,455	329	12,683
	% STD. ERROR	12.1	13.5	14.4	49.1	*	20.4	14.2	42.7	**
HOME BUILT:	ROW %	25.0	21.1	19.1	2.0	0.4	10.5	19.4	2.6	
	COLUMN %	10.0	14.3	13.1	2.9	1.8	14.6	3.2	0.4	5.2
	ESTIMATE	589	1,267	153	15	2	136	340	115	2,617
EXHIBITION:	% STD. ERROR	19.0	10.6	41.2	*	*	43.8	26.6	47.8	**
	ROW %	22.5	48.4	5.8	0.6	0.1	5.2	13.0	4.4	
	COLUMN %	1.9	6.8	0.8	0.2	0.1	1.5	0.4	0.1	1.1

9.1 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY AIRCRAFT TYPE
 INCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	HIERARCHICAL CAPABILITY GROUPS								TOTAL
	1	2	3	4	5	6	7	8	
OTHER EXPERIMENTAL	480	557	423	100	32	205	609	969	3,374
% ESTIMATE	21.5	19.7	23.1	50.1	89.2	34.4	18.6	13.8	**
% STD. ERROR	14.2	16.5	12.5	3.0	0.9	6.1	18.0	28.7	
ROW %	1.5	3.0	2.3	1.1	1.0	2.2	0.8	1.2	1.4
COLUMN %									
ALL AIRCRAFT	31,517	18,713	18,416	8,779	3,197	9,133	77,177	79,039	245,971
% ESTIMATE	2.6	4.0	4.4	6.5	11.3	5.9	1.7	1.4	
% STD. ERROR	12.8	7.6	7.5	3.6	1.3	3.7	31.4	32.1	
ROW %									

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

HIERARCHICAL CAPABILITY GROUPS KEY

- 1 - NO REGULATORY AVIONICS.
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- 8 - TWO-WAY COMMUNICATIONS, TWO SYSTEMS: AIR TAXIS; MODE_S CAPABILITY, ALTITUDE ENCODING EQUIPMENT, VOR AND DME OR RNAV.

9.2 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

HIERARCHICAL CAPABILITY GROUPS

AGE OF AIRCRAFT	1	2	3	4	5	6	7	8	TOTAL
1 - 5 YEARS	ESTIMATE	1,948	2,279	1,153	891	1,128	2,557	3,545	13,666
	% STD. ERROR	12.9	12.8	21.6	14.5	16.2	12.3	8.6	4.4
	ROW %	14.3	16.7	8.4	6.5	8.3	18.7	25.9	5.6
	COLUMN %	6.2	12.2	6.3	10.1	5.1	3.3	4.5	
6 - 10 YEARS	ESTIMATE	1,320	1,234	299	238	161	1,503	5,026	10,395
	% STD. ERROR	18.8	17.2	40.8	30.0	48.2	16.8	7.1	5.6
	ROW %	12.7	11.9	2.9	2.3	1.5	14.5	48.4	4.2
	COLUMN %	4.2	6.6	1.6	2.7	5.0	1.9	6.4	
11 - 15 YEARS	ESTIMATE	2,055	1,171	428	926	487	8,652	21,559	36,243
	% STD. ERROR	12.0	17.7	26.4	20.5	29.3	6.6	3.7	2.8
	ROW %	5.7	3.2	1.2	2.6	1.3	23.9	59.5	14.7
	COLUMN %	6.5	6.3	2.3	10.5	15.2	11.2	27.3	
16 - 20 YEARS	ESTIMATE	2,370	1,289	1,251	970	720	14,815	18,736	41,274
	% STD. ERROR	12.0	17.7	18.1	21.2	24.6	17.6	4.1	2.7
	ROW %	5.7	3.1	3.0	2.4	1.7	35.9	45.4	16.8
	COLUMN %	7.5	6.9	6.8	11.0	22.5	12.3	23.7	
21 - 25 YEARS	ESTIMATE	835	1,149	1,592	740	280	10,063	9,236	24,586
	% STD. ERROR	21.5	18.1	17.3	23.0	39.2	6.2	6.3	3.8
	ROW %	3.4	4.7	6.5	3.0	1.1	40.9	37.6	10.0
	COLUMN %	2.6	6.1	8.6	8.4	8.8	13.0	11.7	
26 - 30 YEARS	ESTIMATE	842	803	1,736	1,227	606	14,010	9,849	29,588
	% STD. ERROR	19.6	20.8	16.4	19.3	27.7	5.3	5.8	3.4
	ROW %	2.8	2.7	5.9	4.1	2.0	47.4	33.3	12.0
	COLUMN %	2.7	4.3	9.4	14.0	19.0	18.2	12.5	
31 - 35 YEARS	ESTIMATE	442	270	1,130	818	136	7,579	4,334	15,260
	% STD. ERROR	25.4	37.7	18.8	23.4	49.1	7.0	8.8	4.6
	ROW %	2.9	1.8	7.4	5.4	0.9	49.7	28.4	6.2
	COLUMN %	1.4	1.4	6.1	9.3	4.3	9.8	5.5	

9.2 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

HIERARCHICAL CAPABILITY GROUPS

AGE OF AIRCRAFT	1	2	3	4	5	6	7	8	TOTAL
36 - 40 YEARS	ESTIMATE	270	626	945	330	511	4,988	1,668	9,467
	% STD. ERROR	38.6	25.4	21.3	36.0	29.2	8.5	14.4	5.9
	ROW %	2.9	6.6	10.0	3.5	5.4	52.7	17.6	3.8
	COLUMN %	0.9	3.3	5.1	3.8	4.1	6.5	2.1	0.4
41 - 45 YEARS	ESTIMATE	411	405	1,147	99	368	3,188	829	6,449
	% STD. ERROR	28.2	26.9	17.1	42.9	27.3	9.2	19.4	6.1
	ROW %	6.4	6.3	17.8	1.5	5.7	49.4	12.9	2.6
	COLUMN %	1.3	2.2	6.2	1.1	0.1	4.1	1.0	0.4
46 - 50 YEARS	ESTIMATE	4,139	2,670	2,587	280	629	3,251	364	14,033
	% STD. ERROR	8.9	11.8	11.5	36.4	21.5	9.2	23.8	4.0
	ROW %	29.5	19.0	18.4	2.0	4.5	23.2	2.6	5.7
	COLUMN %	13.1	14.3	14.0	3.2	6.9	4.2	0.5	1.5
51 - 55 YEARS	ESTIMATE	1,353	871	589	17	177	514	111	3,703
	% STD. ERROR	13.4	18.3	21.7	82.6	30.0	18.8	31.0	7.5
	ROW %	36.5	23.5	15.9	0.5	4.8	13.9	3.0	1.5
	COLUMN %	4.3	4.7	3.2	0.2	1.9	0.7	0.1	0.1
56 - 60 YEARS	ESTIMATE	56	49	63	1	4	29	2	205
	% STD. ERROR	70.6	88.3	86.0	*	*	42.4	*	39.5
	ROW %	27.3	23.9	30.7	0.5	2.0	14.1	1.0	0.1
	COLUMN %	0.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0
OVER 60 YEARS	ESTIMATE	130	303	0	44	10	201	225	919
	% STD. ERROR	53.2	39.1	0.0	54.5	*	44.5	41.2	20.7
	ROW %	14.1	33.0	0.0	4.8	1.1	21.9	24.5	0.3
	COLUMN %	0.4	1.6	0.0	0.5	0.2	0.3	0.3	0.4

9.2 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

AGE OF AIRCRAFT	HIERARCHICAL CAPABILITY GROUPS								TOTAL
	1	2	3	4	5	6	7	8	
YEAR MANUFACTURED UNKNOWN	15,347	5,596	5,494	2,197	322	1,847	5,826	3,557	40,185
% STD. ERROR	4.4	7.9	8.5	13.1	34.8	14.4	8.1	9.3	2.6
ROW %	38.2	13.9	13.7	5.5	0.8	4.6	14.5	8.9	
COLUMN %	48.7	29.9	29.8	25.0	10.1	20.2	7.5	4.5	16.3
ALL AIRCRAFT	31,517	18,713	18,416	8,779	3,197	9,133	77,177	79,039	245,971
% STD. ERROR	2.6	4.0	4.4	6.5	11.3	5.9	1.7	1.4	
ROW %	12.8	7.6	7.5	3.6	1.3	3.7	31.4	32.1	

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

HIERARCHICAL CAPABILITY GROUPS KEY

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- 6 - TWO-WAY COMMUNICATIONS, MODE_S CAPABILITY, ALTITUDE ENCODING EQUIPMENT.
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9.3 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY TOTAL FLIGHT HOUR RANGES
 EXCLUDES COMMUTER AIRCRAFT

TOTAL FLIGHT HOUR RANGES			HIERARCHICAL CAPABILITY GROUPS							
	1	2	3	4	5	6	7	8	TOTAL	
1 - 50 HOURS	ESTIMATE	9,284	8,109	8,891	3,145	1,037	2,428	27,861	16,032	76,788
	% STD. ERROR	5.9	6.6	6.8	11.6	19.4	12.2	3.5	4.7	1.9
	ROW %	12.1	10.6	11.6	4.1	1.4	3.2	36.3	20.9	31.2
	COLUMN %	29.5	43.3	48.3	35.8	32.4	26.6	36.1	20.3	
51 - 100 HOURS	ESTIMATE	2,109	3,054	2,697	1,193	508	1,638	21,487	21,354	54,039
	% STD. ERROR	13.5	11.2	12.3	18.5	30.2	14.9	4.1	3.9	2.4
	ROW %	3.9	5.7	5.0	2.2	0.9	3.0	39.8	39.5	22.0
	COLUMN %	6.7	16.3	14.6	13.6	15.9	17.9	27.8	27.0	
101 - 150 HOURS	ESTIMATE	861	795	515	386	405	805	7,278	12,192	23,237
	% STD. ERROR	20.4	20.3	26.7	29.5	31.9	22.5	7.4	5.3	3.9
	ROW %	3.7	3.4	2.2	1.7	1.7	3.5	31.3	52.5	9.4
	COLUMN %	2.7	4.2	2.8	4.4	12.7	8.8	9.4	15.4	
151 - 200 HOURS	ESTIMATE	712	215	139	231	257	466	3,710	7,401	13,130
	% STD. ERROR	20.8	36.1	30.6	32.3	42.4	25.3	10.7	6.8	5.2
	ROW %	5.4	1.6	1.1	1.8	2.0	3.5	28.3	56.4	5.3
	COLUMN %	2.3	1.1	0.8	2.6	8.0	5.1	4.8	9.4	
201 - 300 HOURS	ESTIMATE	1,435	191	360	363	203	577	3,023	7,551	13,702
	% STD. ERROR	15.1	40.3	33.2	29.7	41.5	23.5	12.0	6.6	5.0
	ROW %	10.5	1.4	2.6	2.6	1.5	4.2	22.1	55.1	5.6
	COLUMN %	4.6	1.0	2.0	4.1	6.3	6.3	3.9	9.6	
301 - 400 HOURS	ESTIMATE	656	332	92	254	227	344	2,559	4,158	8,624
	% STD. ERROR	22.9	32.8	70.0	32.6	46.0	26.7	13.2	8.8	6.4
	ROW %	7.6	3.8	1.1	2.9	2.6	4.0	29.7	48.2	3.5
	COLUMN %	2.1	1.8	0.5	2.9	7.1	3.8	3.3	5.3	
401 - 500 HOURS	ESTIMATE	556	179	7	207	71	389	1,498	1,843	4,750
	% STD. ERROR	27.6	46.0	*	35.7	71.4	25.2	17.8	12.8	8.7
	ROW %	11.7	3.8	0.1	4.4	1.5	8.2	31.5	38.8	1.9
	COLUMN %	1.8	1.0	0.0	2.4	2.2	4.3	1.9	2.3	

9.3 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY TOTAL FLIGHT HOUR RANGES
 EXCLUDES COMMUTER AIRCRAFT

HIERARCHICAL CAPABILITY GROUPS

TOTAL FLIGHT HOUR RANGES	1	2	3	4	5	6	7	8	TOTAL
501 - 700 HOURS									
ESTIMATE	467	117	55	449	100	157	1,668	2,258	5,271
% STD. ERROR	26.2	43.8	62.1	28.5	70.3	37.7	16.4	11.0	8.0
ROW %	8.9	2.2	1.0	8.5	1.9	3.0	31.6	42.8	
COLUMN %	1.5	0.6	0.3	5.1	3.1	1.7	2.2	2.9	2.1
701 - 1000 HOURS									
ESTIMATE	41	7	18	118	51	199	1,071	1,118	2,621
% STD. ERROR	71.3	*	*	34.3	64.9	32.1	20.4	17.8	11.7
ROW %	1.6	0.3	0.7	4.5	1.9	7.6	40.9	42.7	
COLUMN %	0.1	0.0	0.1	1.3	1.6	2.2	1.4	1.4	1.1
1001 - 1300 HOURS									
ESTIMATE	0	5	0	4	0	53	342	194	598
% STD. ERROR	0.0	*	0.0	*	0.0	73.2	36.0	35.4	24.5
ROW %	0.0	0.8	0.0	0.7	0.0	8.9	57.2	32.4	
COLUMN %	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.2	0.2
1301 - 1600 HOURS									
ESTIMATE	0	0	0	0	0	0	215	167	382
% STD. ERROR	0.0	0.0	0.0	0.0	0.0	0.0	43.9	51.1	33.3
ROW %	0.0	0.0	0.0	0.0	0.0	0.0	56.3	43.7	
COLUMN %	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2
OVER 1600 HOURS									
ESTIMATE	0	0	0	0	8	10	1	12	31
% STD. ERROR	0.0	0.0	0.0	0.0	*	44.7	*	69.5	50.1
ROW %	0.0	0.0	0.0	0.0	25.8	32.3	3.2	38.7	
COLUMN %	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0
INACTIVE									
ESTIMATE	15,397	5,709	5,643	2,430	329	2,068	6,464	4,760	42,798
% STD. ERROR	4.4	7.8	8.3	12.3	34.2	13.5	7.7	7.8	2.5
ROW %	36.0	13.3	13.2	5.7	0.8	4.8	15.1	11.1	
COLUMN %	48.9	30.5	30.6	27.7	10.3	22.6	8.4	6.0	17.4
ALL AIRCRAFT									
ESTIMATE	31,517	18,713	18,416	8,779	3,197	9,133	77,177	79,039	245,971
% STD. ERROR	2.6	4.0	4.4	6.5	11.3	5.9	1.7	1.4	
ROW %	12.8	7.6	7.5	3.6	1.3	3.7	31.4	32.1	

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

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9.4 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY ACTUAL USE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 2

HIERARCHICAL CAPABILITY GROUPS

ACTUAL USE	1	2	3	4	5	6	7	8	TOTAL	
EXECUTIVE	ESTIMATE	36	20	33	836	88	206	537	8,294	10,048
	% STD. ERROR	75.1	*	77.7	16.3	53.9	36.9	23.4	4.1	3.6
	ROW %	0.4	0.2	0.3	8.3	0.9	2.1	5.3	82.5	4.1
BUSINESS	COLUMN %	0.1	0.1	0.2	9.5	2.8	2.3	0.7	10.5	4.1
	ESTIMATE	314	247	585	849	464	454	7,229	17,957	28,099
	% STD. ERROR	32.6	35.6	23.0	20.7	28.4	26.0	7.1	4.0	3.2
PERSONAL	ROW %	1.1	0.9	2.1	3.0	1.7	1.6	25.7	63.9	11.4
	COLUMN %	1.0	1.3	3.2	9.7	14.5	5.0	9.4	22.7	11.4
	ESTIMATE	6,366	6,766	7,487	2,898	1,332	2,869	40,199	31,144	99,061
INSTRUCTIONAL	% STD. ERROR	6.0	5.9	6.4	11.3	17.3	10.0	2.6	3.0	1.3
	ROW %	6.4	6.8	7.6	2.9	1.3	2.9	40.6	31.4	40.3
	COLUMN %	20.2	36.2	40.7	33.0	41.7	31.4	52.1	39.4	40.3
AERIAL APPLICATION	ESTIMATE	202	207	690	475	274	471	8,776	5,023	16,118
	% STD. ERROR	35.3	34.6	23.0	28.6	38.7	20.5	6.3	8.6	4.5
	ROW %	1.3	1.3	4.3	2.9	1.7	2.9	54.4	31.2	6.6
AERIAL OBSERVATION	COLUMN %	0.6	1.1	3.7	5.4	8.6	5.2	11.4	6.4	6.6
	ESTIMATE	3,938	486	152	49	44	117	389	135	5,311
	% STD. ERROR	5.4	23.0	45.1	89.1	47.3	38.4	25.2	35.3	4.2
TOTAL	ROW %	74.1	9.2	2.9	0.9	0.8	2.2	7.3	2.5	2.2
	COLUMN %	12.5	2.6	0.8	0.6	1.4	1.3	0.5	0.2	2.2
	ESTIMATE	205	182	232	102	67	345	2,085	1,367	4,585
TOTAL	% STD. ERROR	41.9	39.8	36.4	51.9	56.2	21.5	13.0	16.3	8.4
	ROW %	4.5	4.0	5.1	2.2	1.5	7.5	45.5	29.8	1.9
	COLUMN %	0.7	1.0	1.3	1.2	2.1	3.8	2.7	1.7	1.9

9.4 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY ACTUAL USE
 EXCLUDES COMMUTER AIRCRAFT

HIERARCHICAL CAPABILITY GROUPS

ACTUAL USE	1	2	3	4	5	6	7	8	TOTAL
SIGHT SEEING	ESTIMATE	397	396	133	11	160	296	138	1,552
	% STD. ERROR	27.3	27.8	47.8	*	40.4	33.4	51.3	13.7
	ROW %	25.6	25.5	8.6	0.7	10.3	19.1	8.9	0.6
EXTERNAL LOAD	COLUMN %	1.3	2.1	0.7	0.1	1.8	0.4	0.2	
	ESTIMATE	0	5	2	0	59	52	8	125
	% STD. ERROR	5.7	*	78.8	0.0	51.5	44.3	73.1	31.4
OTHER WORK USE	ROW %	0.0	4.0	1.6	0.0	47.2	41.6	6.4	0.1
	COLUMN %	0.0	0.0	0.0	0.0	0.6	0.1	0.0	
	ESTIMATE	77	176	2	15	148	360	179	977
AIR TAXI	% STD. ERROR	56.1	40.7	*	98.2	39.5	26.6	41.9	16.3
	ROW %	7.9	18.0	0.2	1.5	15.1	36.8	18.3	0.4
	COLUMN %	0.2	0.9	0.0	0.2	1.6	0.5	0.2	
OTHER	ESTIMATE	0	193	16	95	352	327	2,310	3,316
	% STD. ERROR	0.0	39.4	*	52.8	28.2	30.8	9.9	8.3
	ROW %	0.0	5.8	0.5	2.9	10.6	9.9	69.7	1.3
INACTIVE	COLUMN %	0.0	1.0	0.1	1.1	3.9	0.4	2.9	
	ESTIMATE	241	577	176	253	190	909	1,505	4,018
	% STD. ERROR	37.3	22.1	36.2	27.5	39.3	18.5	13.9	8.4
ALL AIRCRAFT	ROW %	6.0	14.4	4.4	6.3	4.7	22.6	37.5	2.5
	COLUMN %	0.8	3.1	1.0	2.9	2.1	1.2	1.9	17.4
	ESTIMATE	15,397	5,709	5,643	2,430	2,068	6,464	4,760	42,798
ALL AIRCRAFT	% STD. ERROR	4.4	7.8	8.3	12.3	13.5	7.7	7.8	2.5
	ROW %	36.0	13.3	13.2	5.7	4.8	15.1	11.1	6.0
	COLUMN %	48.9	30.5	30.6	27.7	22.6	8.4	6.0	17.4
ALL AIRCRAFT	ESTIMATE	31,517	18,713	18,416	8,779	9,133	77,177	79,039	245,971
	% STD. ERROR	2.6	4.0	4.4	6.5	5.9	1.7	1.4	32.1
	ROW %	12.8	7.6	7.5	3.6	3.7	31.4	32.1	

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

HIERARCHICAL CAPABILITY GROUPS KEY

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9.5 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY REGION OF BASED AIRCRAFT
 INCLUDES COMMUTER AIRCRAFT

REGION OF BASED AIRCRAFT	HIERARCHICAL CAPABILITY GROUPS								TOTAL		
	1	2	3	4	5	6	7	8			
ALASKAN	ESTIMATE	816	1,263	2,141	384	9	554	2,018	830	8,015	
	% STD. ERROR	18.6	16.7	12.8	27.3	89.5	26.5	12.9	18.7	18.7	6.0
	ROW %	10.2	15.8	26.7	4.8	0.1	6.9	25.2	10.4	10.4	3.3
	COLUMN %	2.6	6.7	11.6	4.4	0.3	6.1	2.6	1.1	1.1	3.3
CENTRAL	ESTIMATE	2,550	1,032	1,795	762	194	436	4,660	4,133	15,563	
	% STD. ERROR	12.2	19.5	15.0	22.0	47.0	28.4	9.8	9.1	4.9	
	ROW %	16.4	6.6	11.5	4.9	1.2	2.8	29.9	26.6	26.6	
	COLUMN %	8.1	5.5	9.7	8.7	6.1	4.8	6.0	5.2	5.2	6.3
EASTERN	ESTIMATE	3,228	1,937	2,097	751	601	758	9,904	10,120	29,398	
	% STD. ERROR	10.4	13.6	14.1	21.5	27.3	21.7	6.4	5.9	3.5	
	ROW %	11.0	6.6	7.1	2.6	2.0	2.6	33.7	34.4	34.4	
	COLUMN %	10.2	10.4	11.4	8.6	18.8	8.3	12.8	12.8	12.8	12.0
GREAT LAKES	ESTIMATE	6,741	3,186	3,992	2,249	325	1,204	14,087	12,806	44,589	
	% STD. ERROR	7.2	11.4	10.0	13.3	36.0	17.9	5.3	5.2	2.7	
	ROW %	15.1	7.1	9.0	5.0	0.7	2.7	31.6	28.7	28.7	
	COLUMN %	21.4	17.0	21.7	25.6	10.2	13.2	18.3	16.2	16.2	18.1
NEW ENGLAND	ESTIMATE	1,808	1,165	840	290	69	317	3,826	3,212	11,527	
	% STD. ERROR	15.0	19.1	23.0	35.4	74.1	31.5	10.5	11.0	5.9	
	ROW %	15.7	10.1	7.3	2.5	0.6	2.8	33.2	27.9	27.9	
	COLUMN %	5.7	6.2	4.6	3.3	2.2	3.5	5.0	4.1	4.1	4.7

9.5 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY REGION OF BASED AIRCRAFT
 INCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 2

REGION OF BASED AIRCRAFT	HIERARCHICAL CAPABILITY GROUPS								TOTAL	
	1	2	3	4	5	6	7	8		
NORTHWEST MOUNTAIN	ESTIMATE	3,751	2,855	2,288	1,150	270	981	9,153	6,809	27,256
	% STD. ERROR	10.2	11.2	14.0	18.9	39.1	17.8	6.6	7.3	3.6
	ROW %	13.8	10.5	8.4	4.2	1.0	3.6	33.6	25.0	11.1
SOUTHERN	COLUMN %	11.9	15.3	12.4	13.1	8.4	10.7	11.9	8.6	
	ESTIMATE	4,483	2,620	1,990	1,334	694	1,706	11,818	15,178	39,822
	% STD. ERROR	9.1	12.2	15.1	17.5	24.0	14.5	5.8	4.6	2.9
SOUTHWESTERN	ROW %	11.3	6.6	5.0	3.3	1.7	4.3	29.7	38.1	
	COLUMN %	14.2	14.0	10.8	15.2	21.7	18.7	15.3	19.2	16.2
	ESTIMATE	5,032	2,008	1,740	980	545	953	8,518	10,674	30,450
WESTERN-PACIFIC	% STD. ERROR	8.2	13.5	15.6	20.1	27.8	17.5	7.0	5.7	3.4
	ROW %	16.5	6.6	5.7	3.2	1.8	3.1	28.0	35.1	
	COLUMN %	16.0	10.7	9.4	11.2	17.0	10.4	11.0	13.5	12.4
ALL AIRCRAFT	ESTIMATE	2,981	2,681	1,544	848	492	2,232	13,244	15,330	39,351
	% STD. ERROR	10.3	11.0	15.6	20.2	27.8	12.5	5.3	4.7	2.8
	ROW %	7.6	6.8	3.9	2.2	1.3	5.7	33.7	39.0	
TOTAL	COLUMN %	9.5	14.3	8.4	9.7	15.4	24.4	17.2	19.4	16.0
	ESTIMATE	31,517	18,713	18,416	8,779	3,197	9,133	77,177	79,039	245,971
	% STD. ERROR	2.6	4.0	4.4	6.5	11.3	5.9	1.7	1.4	
TOTAL	ROW %	12.8	7.6	7.5	3.6	1.3	3.7	31.4	32.1	

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
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9.6 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY NONHIERARCHICAL CAPABILITY GROUPS
 INCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 2

NONHIERARCHICAL	HIERARCHICAL CAPABILITY GROUPS								TOTAL	
	1	2	3	4	5	6	7	8		
LOCALIZER	ESTIMATE	174	11	679	493	216	244	11,100	1,284	14,201
	% STD. ERROR	48.4	*	24.6	28.0	48.9	40.3	5.8	17.6	5.1
	ROW %	1.2	0.1	4.8	3.5	1.5	1.7	78.2	9.0	5.8
LOCALIZER, MARKER BEACON	COLUMN %	0.6	0.1	3.7	5.6	6.8	2.7	14.4	1.6	5.8
	ESTIMATE	4	82	111	578	23	99	2,835	657	4,389
	% STD. ERROR	99.5	73.9	58.2	27.9	63.4	62.7	12.3	23.1	9.6
LOCALIZER, MARKER BEACON, GLIDE SLOPE	ROW %	0.1	1.9	2.5	13.2	0.5	2.3	64.6	15.0	1.8
	COLUMN %	0.0	0.4	0.6	6.6	0.7	1.1	3.7	0.8	1.8
	ESTIMATE	146	91	664	2,485	1,286	560	29,538	59,649	94,419
LOCALIZER, MARKER BEACON, GLIDE SLOPE, RADAR ALTIMETER	% STD. ERROR	48.1	61.6	25.0	12.4	18.5	26.6	3.4	1.8	1.2
	ROW %	0.2	0.1	0.7	2.6	1.4	0.6	31.3	63.2	1.2
	COLUMN %	0.5	0.5	3.6	28.3	40.2	6.1	38.3	75.5	38.4
LONG RANGE NAV (INCLUDES OMEGA, LORAN-C)	ESTIMATE	37	0	32	1,164	123	67	378	14,665	16,467
	% STD. ERROR	82.5	0.0	53.0	13.5	42.6	53.6	31.2	3.2	2.8
	ROW %	0.2	0.0	0.2	7.1	0.7	0.4	2.3	89.1	2.8
RADAR ALTIMETER	COLUMN %	0.1	0.0	0.2	13.3	3.8	0.7	0.5	18.6	6.7
	ESTIMATE	395	1,840	3,055	2,713	1,833	4,558	36,142	46,995	97,530
	% STD. ERROR	30.8	15.6	11.9	11.0	14.9	8.8	3.0	2.2	1.4
RADAR ALTIMETER	ROW %	0.4	1.9	3.1	2.8	1.9	4.7	37.1	48.2	1.4
	COLUMN %	1.3	9.8	16.6	30.9	57.3	49.9	46.8	59.5	39.7
	ESTIMATE	66	62	110	1,391	230	233	967	14,970	18,030
RADAR ALTIMETER	% STD. ERROR	64.7	56.2	50.7	13.2	37.7	39.1	18.9	3.1	2.8
	ROW %	0.4	0.3	0.6	7.7	1.3	1.3	5.4	83.0	2.8
	COLUMN %	0.2	0.3	0.6	15.8	7.2	2.6	1.3	18.9	7.3

9.6 1993 GENERAL AVIATION AIRCRAFT HIERARCHICAL CAPABILITY GROUPS
 BY NONHIERARCHICAL CAPABILITY GROUPS
 INCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 2

NONHIERARCHICAL	HIERARCHICAL CAPABILITY GROUPS								TOTAL	
	1	2	3	4	5	6	7	8		
NO REGULATORY AVIONICS	ESTIMATE	30,824	16,644	14,507	3,204	891	4,104	19,783	1,474	91,432
	% STD. ERROR	2.6	4.2	5.0	11.3	20.9	8.8	4.3	16.0	1.2
	ROW %	33.7	18.2	15.9	3.5	1.0	4.5	21.6	1.6	1.6
	COLUMN %	97.8	88.9	78.8	36.5	27.9	44.9	25.6	1.9	37.2
ALL AIRCRAFT	ESTIMATE	31,517	18,713	18,416	8,779	3,197	9,133	77,177	79,039	245,971
	% STD. ERROR	2.6	4.0	4.4	6.5	11.3	5.9	1.7	1.4	
	ROW %	12.8	7.6	7.5	3.6	1.3	3.7	31.4	32.1	

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9.7 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY AIRCRAFT TYPE
 INCLUDES COMMUTER AIRCRAFT

AIRCRAFT TYPE	NONHIERARCHICAL CAPABILITY GROUPS					TOTAL		
	1	2	3	4	5			
FIXED - WING								
FIXED WING - PISTON								
1 ENG: 1-3 SEATS	ESTIMATE	6,107	771	5,335	12,995	220	47,982	68,813
	% STD. ERROR	7.9	22.6	8.1	4.9	45.9	1.5	**
	ROW %	8.9	1.1	7.8	18.9	0.3	69.7	0.0
	COLUMN %	43.0	17.6	5.7	13.3	1.2	52.5	28.0
1 ENG: 4+ SEATS	ESTIMATE	5,953	3,156	70,261	56,394	3,125	17,226	109,606
	% STD. ERROR	8.0	11.5	1.3	1.9	10.8	4.0	**
	ROW %	5.4	2.9	64.1	51.5	2.9	15.7	0.0
	COLUMN %	41.9	71.9	74.4	57.8	17.3	18.8	44.6
2 ENG: 1-6 SEATS	ESTIMATE	368	131	11,292	8,995	2,635	500	15,187
	% STD. ERROR	30.7	48.2	2.6	4.0	9.5	22.5	**
	ROW %	2.4	0.9	74.4	59.2	17.4	3.3	0.0
	COLUMN %	2.6	3.0	12.0	9.2	14.6	0.5	6.2
2 ENG: 7+ SEATS	ESTIMATE	149	23	4,356	3,608	1,696	362	6,581
	% STD. ERROR	39.8	*	4.1	6.0	9.8	21.6	**
	ROW %	2.3	0.3	66.2	54.8	25.8	5.5	0.0
	COLUMN %	1.0	0.5	4.6	3.7	9.4	0.4	2.7
PISTON: OTHER								
	ESTIMATE	7	0	48	27	7	21	95
	% STD. ERROR	*	0.0	30.4	48.9	*	58.1	**
	ROW %	7.4	0.0	50.5	28.4	7.4	22.1	0.0
	COLUMN %	0.0	0.0	0.1	0.0	0.0	0.0	0.0
FIXED WING - TURBOPROP								
1 ENGINE: TOTAL	ESTIMATE	3	0	310	138	133	292	807
	% STD. ERROR	*	0.0	19.8	24.1	45.2	7.6	**
	ROW %	0.4	0.0	38.4	17.1	16.5	36.2	0.0
	COLUMN %	0.0	0.0	0.3	0.1	0.7	0.3	0.3

9.7 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY AIRCRAFT TYPE
 INCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 4

NONHIERARCHICAL CAPABILITY GROUPS

AIRCRAFT TYPE	1	2	3	4	5	NO GROUP	TOTAL
2 ENG: 1-12 SEATS	ESTIMATE	17	16	688	2,830	3,392	0
	% STD. ERROR	98.2	74.9	15.2	5.2	3.1	0.0
	ROW %	0.4	0.4	16.8	69.3	83.0	0.0
	COLUMN %	0.1	0.4	0.7	2.9	18.8	0.0
2 ENG: 13+ SEATS	ESTIMATE	0	0	214	406	634	16
	% STD. ERROR	0.0	0.0	18.1	8.2	6.1	46.7
	ROW %	0.0	0.0	24.7	46.8	73.0	1.8
	COLUMN %	0.0	0.0	0.2	0.4	3.5	0.0
TURBOPROP: OTHER	ESTIMATE	0	0	50	21	21	0
	% STD. ERROR	0.0	0.0	23.8	56.7	56.7	0.0
	ROW %	0.0	0.0	70.4	29.6	29.6	0.0
	COLUMN %	0.0	0.0	0.1	0.0	0.1	0.0
FIXED WING - TURBOJET	ESTIMATE	4	46	146	3,593	4,094	21
	% STD. ERROR	*	82.6	25.3	3.1	1.0	63.3
	ROW %	0.1	1.1	3.4	84.1	95.8	0.5
	COLUMN %	0.0	1.0	0.2	3.7	22.7	0.0
TURBOJET: OTHER	ESTIMATE	32	0	47	235	280	76
	% STD. ERROR	23.1	0.0	24.4	8.5	4.3	12.8
	ROW %	7.4	0.0	10.8	54.1	64.5	17.5
	COLUMN %	0.2	0.0	0.0	0.2	1.6	0.1
ROTORCRAFT PISTON: TOTAL	ESTIMATE	115	8	39	852	4	3,310
	% STD. ERROR	28.1	83.2	51.8	10.7	*	2.8
	ROW %	2.7	0.2	0.9	19.9	0.1	77.4
	COLUMN %	0.8	0.2	0.0	0.9	0.0	3.6
							4,274
							**
							0.0
							1.7
							868
							**
							0.0
							0.4
							71
							**
							0.0
							0.0
							4,272
							**
							0.0
							1.7
							434
							**
							0.0
							0.2
							4,274
							**
							0.0
							1.7

9.7 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY AIRCRAFT TYPE
 INCLUDES COMPUTER AIRCRAFT

PAGE 3 OF 4

AIRCRAFT TYPE	NONHIERARCHICAL CAPABILITY GROUPS							TOTAL
	1	2	3	4	5	NO GROUP		
1 ENG: TURBINE	ESTIMATE	412	76	286	1,733	439	981	3,040
	% STD. ERROR	22.5	60.8	28.8	7.2	21.0	11.5	**
	ROW %	13.6	2.5	9.4	57.0	14.4	32.3	0.0
	COLUMN %	2.9	1.7	0.3	1.8	2.4	1.1	1.2
MULTI-ENG: TURBINE	ESTIMATE	22	1	21	724	722	37	906
	% STD. ERROR	69.1	*	77.0	4.9	4.9	31.9	**
	ROW %	2.4	0.1	2.3	79.9	79.7	4.1	0.0
	COLUMN %	0.2	0.0	0.0	0.7	4.0	0.0	0.4
OTHER AIRCRAFT GLIDERS:	ESTIMATE	26	0	23	18	45	2,659	2,760
	% STD. ERROR	93.4	0.0	*	*	71.3	1.8	**
	ROW %	0.9	0.0	0.8	0.7	1.6	96.3	0.0
	COLUMN %	0.2	0.0	0.0	0.0	0.2	2.9	1.1
LIGHTER-THAN-AIR:	ESTIMATE	0	0	59	162	68	5,269	5,497
	% STD. ERROR	0.0	0.0	85.4	50.9	79.3	1.8	**
	ROW %	0.0	0.0	1.1	2.9	1.2	95.9	0.0
	COLUMN %	0.0	0.0	0.1	0.2	0.4	5.8	2.2
EXPERIMENTAL HOME BUILT:	ESTIMATE	597	149	385	3,466	37	8,760	12,683
	% STD. ERROR	31.4	64.0	39.4	11.4	*	4.7	**
	ROW %	4.7	1.2	3.0	27.3	0.3	69.1	0.0
	COLUMN %	4.2	3.4	0.4	3.6	0.2	9.6	5.2
EXHIBITION:	ESTIMATE	82	9	125	223	8	2,258	2,617
	% STD. ERROR	57.0	*	45.8	33.7	*	4.1	**
	ROW %	3.1	0.3	4.8	8.5	0.3	86.3	0.0
	COLUMN %	0.6	0.2	0.1	0.2	0.0	2.5	1.1

9.7 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY AIRCRAFT TYPE
 INCLUDES COMPUTER AIRCRAFT

PAGE 4 OF 4

AIRCRAFT TYPE	NONHIERARCHICAL CAPABILITY GROUPS					NO GROUP	TOTAL
	1	2	3	4	5		
OTHER EXPERIMENTAL	307	2	733	1,111	469	1,663	3,374
ESTIMATE	27.6	*	16.6	12.5	21.8	8.9	**
% STD. ERROR	9.1	0.1	21.7	32.9	13.9	49.3	0.0
ROW %	2.2	0.0	0.8	1.1	2.6	1.8	1.4
COLUMN %							
ALL AIRCRAFT	14,201	4,389	94,419	97,530	18,030	91,432	245,971
ESTIMATE	5.1	9.6	1.2	1.4	2.8	1.2	*
% STD. ERROR	5.8	1.8	38.4	39.7	7.3	37.2	*
ROW %							

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 ** IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF LESS THAN 0.1 PERCENT (%).
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

NONHIERARCHICAL CAPABILITY GROUPS KEY

- 1 - LOCALIZER (LOC)
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 - 5 - RADAR ALTIMETER (RA)
- NO GROUP - NO REGULATORY AVIONICS

9.8 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 3

NONHIERARCHICAL CAPABILITY GROUPS

AGE OF AIRCRAFT	NONHIERARCHICAL CAPABILITY GROUPS					NO GROUP	TOTAL	
	1	2	3	4	5			
1 - 5 YEARS	ESTIMATE	840	86	2,361	5,038	2,431	6,258	13,666
	% STD. ERROR	21.7	43.4	11.1	7.9	9.1	7.0	4.4
	ROW %	6.1	0.6	17.3	36.9	17.8	45.8	0.0
	COLUMN %	5.9	2.0	2.5	5.2	13.5	6.8	5.6
6 - 10 YEARS	ESTIMATE	287	49	3,102	5,420	2,670	3,316	10,395
	% STD. ERROR	39.7	81.9	10.5	7.3	8.4	11.0	5.6
	ROW %	2.8	0.5	29.8	52.1	25.7	31.9	0.0
	COLUMN %	2.0	1.1	3.3	5.6	14.8	3.6	4.2
11 - 15 YEARS	ESTIMATE	2,053	436	20,180	17,922	5,480	6,190	36,243
	% STD. ERROR	13.5	33.5	4.1	4.2	6.4	7.4	2.8
	ROW %	5.7	1.2	55.7	49.4	15.1	17.1	0.0
	COLUMN %	14.5	9.9	21.4	18.4	30.4	6.8	14.7
16 - 20 YEARS	ESTIMATE	2,642	743	22,497	20,251	3,465	9,038	41,274
	% STD. ERROR	12.7	23.5	3.9	4.1	8.9	6.5	2.7
	ROW %	6.4	1.8	54.5	49.1	8.4	21.9	0.0
	COLUMN %	18.6	16.9	23.8	20.8	19.2	9.9	16.8
21 - 25 YEARS	ESTIMATE	861	479	12,793	11,688	1,482	6,201	24,586
	% STD. ERROR	21.4	28.8	5.4	5.6	13.9	8.2	3.8
	ROW %	3.5	1.9	52.0	47.5	6.0	25.2	0.0
	COLUMN %	6.1	10.9	13.5	12.0	8.2	6.8	10.0
26 - 30 YEARS	ESTIMATE	2,682	1,058	14,397	14,638	1,026	6,827	29,588
	% STD. ERROR	12.9	20.9	4.9	5.1	17.0	7.7	3.4
	ROW %	9.1	3.6	48.7	49.5	3.5	23.1	0.0
	COLUMN %	18.9	24.1	15.2	15.0	5.7	7.5	12.0
31 - 35 YEARS	ESTIMATE	1,088	228	7,294	7,313	411	3,926	15,260
	% STD. ERROR	19.5	43.4	6.8	7.1	27.4	9.7	4.6
	ROW %	7.1	1.5	47.8	47.9	2.7	25.7	0.0
	COLUMN %	7.7	5.2	7.7	7.5	2.3	4.3	6.2

9.8 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 3

AGE OF AIRCRAFT	NONHIERARCHICAL CAPABILITY GROUPS							TOTAL
	1	2	3	4	5	NO GROUP		
36 - 40 YEARS	ESTIMATE	751	273	3,493	4,151	82	2,977	9,467
	% STD. ERROR	23.7	36.0	10.1	9.3	53.9	11.5	5.9
	ROW %	7.9	2.9	36.9	43.8	0.9	31.4	0.0
	COLUMN %	5.3	6.2	3.7	4.3	0.5	3.3	3.8
41 - 45 YEARS	ESTIMATE	544	249	1,597	2,055	58	3,242	6,449
	% STD. ERROR	22.4	40.0	13.7	11.8	68.5	9.5	6.1
	ROW %	8.4	3.9	24.8	31.9	0.9	50.3	0.0
	COLUMN %	3.8	5.7	1.7	2.1	0.3	3.5	2.6
46 - 50 YEARS	ESTIMATE	674	84	1,089	2,370	94	10,597	14,033
	% STD. ERROR	19.5	54.6	16.6	11.1	51.8	4.9	4.0
	ROW %	4.8	0.6	7.8	16.9	0.7	75.5	0.0
	COLUMN %	4.7	1.9	1.2	2.4	0.5	11.6	5.7
51 - 55 YEARS	ESTIMATE	125	1	132	439	81	3,076	3,703
	% STD. ERROR	33.8	*	27.5	19.8	53.9	8.5	7.5
	ROW %	3.4	0.0	3.6	11.9	2.2	83.1	0.0
	COLUMN %	0.9	0.0	0.1	0.5	0.4	3.4	1.5
56 - 60 YEARS	ESTIMATE	13	0	8	19	0	172	205
	% STD. ERROR	44.0	0.0	*	70.9	0.0	46.3	39.5
	ROW %	6.3	0.0	3.9	9.3	0.0	83.9	0.0
	COLUMN %	0.1	0.0	0.0	0.0	0.0	0.2	0.1
OVER 60 YEARS	ESTIMATE	32	81	228	284	25	447	919
	% STD. ERROR	63.7	72.1	41.1	34.2	82.3	31.6	20.7
	ROW %	3.5	8.8	24.8	30.9	2.7	48.6	0.0
	COLUMN %	0.2	1.8	0.2	0.3	0.1	0.5	0.4

9.8 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY AGE OF AIRCRAFT
 EXCLUDES COMMUTER AIRCRAFT

PAGE 3 OF 3

AGE OF AIRCRAFT	NONHIERARCHICAL CAPABILITY GROUPS					TOTAL
	1	2	3	4	5	
YEAR MANUFACTURED	1,609	622	5,248	5,942	724	29,165
UNKNOWN	16.7	25.5	8.0	8.0	18.1	3.1
ESTIMATE	4.0	1.5	13.1	14.8	1.8	72.6
% STD. ERROR	11.3	14.2	5.6	6.1	4.0	31.9
ROW %						0.0
COLUMN %						16.3
ALL AIRCRAFT	14,201	4,389	94,419	97,530	18,030	91,432
ESTIMATE	5.1	9.6	1.2	1.4	2.8	1.2
% STD. ERROR	5.8	1.8	38.4	39.7	7.3	37.2
ROW %						

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

NONHIERARCHICAL CAPABILITY GROUPS KEY

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 - 5 - RADAR ALTIMETER (RA)
- NO GROUP - NO REGULATORY AVIONICS

9.9 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY TOTAL FLIGHT HOUR RANGES
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 3

NONHIERARCHICAL CAPABILITY GROUPS

TOTAL FLIGHT HOUR RANGES	NONHIERARCHICAL CAPABILITY GROUPS					NO GROUP	TOTAL	
	1	2	3	4	5			
1 - 50 HOURS	ESTIMATE	4,824	1,733	22,885	27,221	1,989	34,715	76,788
	% STD. ERROR	9.0	15.8	3.9	3.6	12.7	2.9	1.9
	ROW %	6.3	2.3	29.8	35.4	2.6	45.2	0.0
	COLUMN %	34.0	39.5	24.2	27.9	11.0	38.0	31.2
51 - 100 HOURS	ESTIMATE	3,684	986	28,284	26,999	2,830	12,538	54,039
	% STD. ERROR	10.4	20.2	3.4	3.6	11.1	5.5	2.4
	ROW %	6.8	1.8	52.3	50.0	5.2	23.2	0.0
	COLUMN %	25.9	22.5	30.0	27.7	15.7	13.7	22.0
101 - 150 HOURS	ESTIMATE	1,164	245	14,200	13,580	2,321	3,669	23,237
	% STD. ERROR	19.1	38.4	5.0	5.1	10.8	10.2	3.9
	ROW %	5.0	1.1	61.1	58.4	10.0	15.8	0.0
	COLUMN %	8.2	5.6	15.0	13.9	12.9	4.0	9.4
151 - 200 HOURS	ESTIMATE	540	209	7,712	6,861	1,882	2,107	13,130
	% STD. ERROR	26.8	45.5	7.1	7.3	12.1	12.9	5.2
	ROW %	4.1	1.6	58.7	52.3	14.3	16.0	0.0
	COLUMN %	3.8	4.8	8.2	7.0	10.4	2.3	5.3
201 - 300 HOURS	ESTIMATE	495	289	6,849	6,893	2,647	2,933	13,702
	% STD. ERROR	30.5	37.5	7.6	6.9	9.0	10.9	5.0
	ROW %	3.6	2.1	50.0	50.3	19.3	21.4	0.0
	COLUMN %	3.5	6.6	7.3	7.1	14.7	3.2	5.6
301 - 400 HOURS	ESTIMATE	538	70	3,362	3,522	2,100	2,157	8,624
	% STD. ERROR	28.7	83.3	11.2	9.3	10.1	13.6	6.4
	ROW %	6.2	0.8	39.0	40.8	24.4	25.0	0.0
	COLUMN %	3.8	1.6	3.6	3.6	11.6	2.4	3.5

9.9 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY TOTAL FLIGHT HOUR RANGES
 EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 3

TOTAL FLIGHT HOUR RANGES	NONHIERARCHICAL CAPABILITY GROUPS						TOTAL	
	1	2	3	4	5	NO GROUP		
401 - 500 HOURS	ESTIMATE	308	108	1,694	1,733	969	1,425	4,750
	% STD. ERROR	38.2	58.3	15.3	12.6	15.1	17.2	8.7
	ROW %	6.5	2.3	35.7	36.5	20.4	30.0	0.0
	COLUMN %	2.2	2.5	1.8	1.8	5.4	1.6	1.9
501 - 700 HOURS	ESTIMATE	562	5	1,703	2,223	1,458	1,321	5,271
	% STD. ERROR	27.9	*	15.1	11.2	11.3	17.0	8.0
	ROW %	10.7	0.1	32.3	42.2	27.7	25.1	0.0
	COLUMN %	4.0	0.1	1.8	2.3	8.1	1.4	2.1
701 - 1000 HOURS	ESTIMATE	245	50	985	1,075	365	734	2,621
	% STD. ERROR	43.5	*	20.4	16.0	19.8	23.8	11.7
	ROW %	9.3	1.9	37.6	41.0	13.9	28.0	0.0
	COLUMN %	1.7	1.1	1.0	1.1	2.0	0.8	1.1
1001 - 1300 HOURS	ESTIMATE	94	0	223	155	87	145	598
	% STD. ERROR	69.1	0.0	39.5	38.0	53.8	54.8	24.5
	ROW %	15.7	0.0	37.3	25.9	14.5	24.2	0.0
	COLUMN %	0.7	0.0	0.2	0.2	0.5	0.2	0.2
1301 - 1600 HOURS	ESTIMATE	35	0	298	115	7	42	382
	% STD. ERROR	94.4	0.0	40.3	63.3	*	52.5	33.3
	ROW %	9.2	0.0	78.0	30.1	1.8	11.0	0.0
	COLUMN %	0.2	0.0	0.3	0.1	0.0	0.0	0.2
OVER 1600 HOURS	ESTIMATE	0	0	1	20	10	10	31
	% STD. ERROR	0.0	0.0	*	45.9	62.9	*	50.1
	ROW %	0.0	0.0	3.2	64.5	32.3	32.3	0.0
	COLUMN %	0.0	0.0	0.0	0.0	0.1	0.0	0.0

9.9 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY TOTAL FLIGHT HOUR RANGES
 EXCLUDES COMMUTER AIRCRAFT

PAGE 3 OF 3

TOTAL FLIGHT HOUR RANGES	NONHIERARCHICAL CAPABILITY GROUPS					NO GROUP	TOTAL
	1	2	3	4	5		
INACTIVE	1,712	693	6,222	7,134	1,365	29,635	42,798
ESTIMATE	16.2	24.2	7.3	7.2	12.5	3.1	2.5
% STD. ERROR	4.0	1.6	14.5	16.7	3.2	69.2	0.0
ROW %	12.1	15.8	6.6	7.3	7.6	32.4	17.4
COLUMN %							
ALL AIRCRAFT	14,201	4,389	94,419	97,530	18,030	91,432	245,971
ESTIMATE	5.1	9.6	1.2	1.4	2.8	1.2	
% STD. ERROR	5.8	1.8	38.4	39.7	7.3	37.2	
ROW %							

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

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 - 5 - RADAR ALTIMETER (RA)
- NO GROUP - NO REGULATORY AVIONICS

9.10 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY ACTUAL USE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 2

NONHIERARCHICAL CAPABILITY GROUPS

ACTUAL USE	NONHIERARCHICAL CAPABILITY GROUPS					NO GROUP	TOTAL	
	1	2	3	4	5			
EXECUTIVE	ESTIMATE	166	112	2,105	7,260	7,245	292	10,048
	% STD. ERROR	33.7	51.2	11.8	4.4	3.5	33.6	3.6
	ROW %	1.7	1.1	20.9	72.3	72.1	2.9	0.0
BUSINESS	COLUMN %	1.2	2.6	2.2	7.4	40.2	0.3	4.1
	ESTIMATE	1,107	454	19,774	16,629	2,694	2,360	28,099
	% STD. ERROR	18.3	28.2	3.9	4.3	10.2	11.9	3.2
PERSONAL	ROW %	3.9	1.6	70.4	59.2	9.6	8.4	0.0
	COLUMN %	7.8	10.3	20.9	17.1	14.9	2.6	11.4
	ESTIMATE	6,511	2,162	44,245	44,794	3,090	30,749	99,061
INSTRUCTIONAL	% STD. ERROR	7.3	13.3	2.4	2.4	10.4	2.7	1.3
	ROW %	6.6	2.2	44.7	45.2	3.1	31.0	0.0
	COLUMN %	45.8	49.3	46.9	45.9	17.1	33.6	40.3
AERIAL APPLICATION	ESTIMATE	1,860	226	8,214	4,439	350	4,701	16,118
	% STD. ERROR	14.2	42.3	6.7	9.1	30.8	8.5	4.5
	ROW %	11.5	1.4	51.0	27.5	2.2	29.2	0.0
AERIAL OBSERVATION	COLUMN %	13.1	5.1	8.7	4.6	1.9	5.1	6.6
	ESTIMATE	121	21	191	499	66	4,648	5,311
	% STD. ERROR	38.7	*	36.5	21.7	58.2	4.4	4.2
TOTAL	ROW %	2.3	0.4	3.6	9.4	1.2	87.5	0.0
	COLUMN %	0.9	0.5	0.2	0.5	0.4	5.1	2.2
	ESTIMATE	402	88	1,897	2,278	259	1,370	4,585
TOTAL	% STD. ERROR	26.8	67.2	14.1	12.1	27.7	15.2	8.4
	ROW %	8.8	1.9	41.4	49.7	5.6	29.9	0.0
	COLUMN %	2.8	2.0	2.0	2.3	1.4	1.5	1.9

9.10 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY ACTUAL USE
 EXCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 2

ACTUAL USE	NONHIERARCHICAL CAPABILITY GROUPS										TOTAL		
	1	2	3	4	5	NO GROUP							
SIGHT SEEING	ESTIMATE	40	43	315	271	2	1,063						1,552
	% STD. ERROR	90.9	94.7	35.3	34.6	*	15.8						13.7
	ROW %	2.6	2.8	20.3	17.5	0.1	68.5						0.0
EXTERNAL LOAD	COLUMN %	0.3	1.0	0.3	0.3	0.0	1.2						0.6
	ESTIMATE	6	0	3	103	37	16						125
	% STD. ERROR	*	0.6	*	35.0	50.4	93.3						31.4
OTHER WORK USE	ROW %	4.8	0.0	2.4	82.4	29.6	12.8						0.0
	COLUMN %	0.0	0.0	0.0	0.1	0.2	0.0						0.1
	ESTIMATE	45	1	172	257	89	540						977
AIR TAXI	% STD. ERROR	68.5	*	43.9	30.5	57.6	21.7						16.3
	ROW %	4.6	0.1	17.6	26.3	9.1	55.3						0.0
	COLUMN %	0.3	0.0	0.2	0.3	0.5	0.6						0.4
OTHER	ESTIMATE	91	159	2,026	1,820	808	108						3,316
	% STD. ERROR	52.4	48.8	11.5	11.3	14.2	44.0						8.3
	ROW %	2.7	4.8	61.1	54.9	24.4	3.3						0.0
INACTIVE	COLUMN %	0.6	3.6	2.1	1.9	4.5	0.1						1.3
	ESTIMATE	153	8	1,635	1,905	553	1,289						4,018
	% STD. ERROR	38.2	*	14.5	12.4	16.4	14.9						8.4
ALL AIRCRAFT	ROW %	3.8	0.2	40.7	47.4	13.8	32.1						0.0
	COLUMN %	1.1	0.2	1.7	2.0	3.1	1.4						1.6
	ESTIMATE	1,712	693	6,222	7,134	1,365	29,635						42,798
TOTAL	% STD. ERROR	16.2	24.2	7.3	7.2	12.5	3.1						2.5
	ROW %	4.0	1.6	14.5	16.7	3.2	69.2						0.0
	COLUMN %	12.1	15.8	6.6	7.3	7.6	32.4						17.4
TOTAL	ESTIMATE	14,201	4,389	94,419	97,530	18,030	91,432						245,971
	% STD. ERROR	5.1	9.6	1.2	1.4	2.8	1.2						1.2
	ROW %	5.8	1.8	38.4	39.7	7.3	37.2						37.2

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
 AN ASTERISK (*) IN A PERCENT STANDARD ERROR COLUMN INDICATES A PERCENT STANDARD ERROR OF 100.0 OR GREATER.

NONHIERARCHICAL CAPABILITY GROUPS KEY

- 1 - LOCALIZER (LOC)
 - 2 - LOCALIZER, MARKER BEACON (MB)
 - 3 - LOCALIZER, MARKER BEACON, GLIDE SLOPE (GS)
 - 4 - LONG RANGE NAVIGATION (LRNAV) - INCLUDES (LORAN ,VFR ONLY; ENROUTE IFR; TERMINAL IFR & OMEGA)
 - 5 - RADAR ALTIMETER (RA)
- NO GROUP - NO REGULATORY AVIONICS

9.11 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY REGION OF BASED AIRCRAFT
 INCLUDES COMMUTER AIRCRAFT

PAGE 1 OF 2

REGION OF BASED AIRCRAFT	NONHIERARCHICAL CAPABILITY GROUPS					NO GROUP TOTAL		
	1	2	3	4	5			
ALASKAN	ESTIMATE	408	181	1,154	2,365	417	4,638	8,015
	% STD. ERROR	28.4	46.0	16.0	11.3	27.2	8.3	6.0
	ROW %	5.1	2.3	14.4	29.5	5.2	57.9	0.0
	COLUMN %	2.9	4.1	1.2	2.4	2.3	5.1	3.3
CENTRAL	ESTIMATE	993	330	4,908	5,362	1,577	6,445	15,563
	% STD. ERROR	20.9	37.3	9.0	8.3	13.8	7.8	4.9
	ROW %	6.4	2.1	31.5	34.5	10.1	41.4	0.0
	COLUMN %	7.0	7.5	5.2	5.5	8.7	7.0	6.3
EASTERN	ESTIMATE	1,662	471	11,868	12,483	2,218	10,169	29,398
	% STD. ERROR	16.0	31.5	5.7	5.4	10.7	6.0	3.5
	ROW %	5.7	1.6	40.4	42.5	7.5	34.6	0.0
	COLUMN %	11.7	10.7	12.6	12.8	12.3	11.1	12.0
GREAT LAKES	ESTIMATE	2,598	966	16,399	18,142	2,871	17,123	44,589
	% STD. ERROR	12.9	20.7	4.7	4.5	9.0	4.5	2.7
	ROW %	5.8	2.2	36.8	40.7	6.4	38.4	0.0
	COLUMN %	18.3	22.0	17.4	18.6	15.9	18.7	18.1
NEW ENGLAND	ESTIMATE	669	183	4,268	5,021	641	4,507	11,527
	% STD. ERROR	25.6	49.6	9.8	8.9	22.4	9.5	5.9
	ROW %	5.8	1.6	37.0	43.6	5.6	39.1	0.0
	COLUMN %	4.7	4.2	4.5	5.1	3.6	4.9	4.7

9.11 1993 GENERAL AVIATION AIRCRAFT NONHIERARCHICAL CAPABILITY GROUPS
 BY REGION OF BASED AIRCRAFT
 INCLUDES COMMUTER AIRCRAFT

PAGE 2 OF 2

REGION OF BASED AIRCRAFT	NONHIERARCHICAL CAPABILITY GROUPS					NO GROUP TOTAL		
	1	2	3	4	5			
NORTHWEST MOUNTAIN	ESTIMATE	1,645	756	8,449	9,181	1,519	11,897	27,256
	% STD. ERROR	15.2	23.3	6.8	6.4	12.7	5.6	3.6
	ROW %	6.0	2.8	31.0	33.7	5.6	43.6	0.0
	COLUMN %	11.6	17.2	8.9	9.4	8.4	13.0	11.1
SOUTHERN	ESTIMATE	2,362	429	17,945	18,686	3,625	11,860	39,822
	% STD. ERROR	13.1	31.6	4.5	4.4	8.3	5.6	2.9
	ROW %	5.9	1.1	45.1	46.9	9.1	29.8	0.0
	COLUMN %	16.6	9.8	19.0	19.2	20.1	13.0	16.2
SOUTHWESTERN	ESTIMATE	1,715	567	11,559	11,556	2,572	11,623	30,450
	% STD. ERROR	15.7	27.0	5.7	5.6	10.1	5.5	3.4
	ROW %	5.6	1.9	38.0	38.0	8.4	38.2	0.0
	COLUMN %	12.1	12.9	12.2	11.8	14.3	12.7	12.4
WESTERN-PACIFIC	ESTIMATE	2,160	509	17,910	14,805	2,574	13,105	39,351
	% STD. ERROR	13.6	26.9	4.4	4.8	10.0	5.1	2.8
	ROW %	5.5	1.3	45.5	37.6	6.5	33.3	0.0
	COLUMN %	15.2	11.6	19.0	15.2	14.3	14.3	16.0
ALL AIRCRAFT	ESTIMATE	14,201	4,389	94,419	97,530	18,030	91,432	245,971
	% STD. ERROR	5.1	9.6	1.2	1.4	2.8	1.2	1.2
	ROW %	5.8	1.8	38.4	39.7	7.3	37.2	37.2

NOTE: ROW AND COLUMN SUMMATIONS MAY DIFFER FROM PRINTED TOTALS DUE TO ESTIMATION PROCEDURES.
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APPENDIX A

**METHODOLOGY FOR THE 1993 GENERAL AVIATION AND AIR TAXI ACTIVITY
AND AVIONICS (GAATAA) SURVEY**

APPENDIX A

METHODOLOGY FOR THE 1993 GENERAL AVIATION AND AIR TAXI ACTIVITY AND AVIONICS (GAATAA) SURVEY

1. OVERVIEW

In 1994, the name of the General Aviation Activity and Avionics (GAAA) Survey was changed to the General Aviation and Air Taxi Activity and Avionics (GAATAA) Survey to reflect that the survey does include air taxi aircraft. Any aircraft identified as a commuter were excluded from most of the survey results. The number of computed aircraft types was expanded from 13 to 19 and the minimum manufacturer/model group cell was changed from 20 aircraft to 50 aircraft. Two new use categories were added. The survey methods used for the 1993 survey are almost identical to those used in previous surveys, except that data obtained in the 1990 telephone survey (see section 5.2, Adjustment of the 1991 GAAA Survey Data, on page A-14), have been used to make necessary adjustments to active aircraft and hours flown estimates.

1.1 Purpose of Survey

The purpose of the General Aviation and Air Taxi Activity and Avionics (GAATAA) Survey is to provide the Federal Aviation Administration (FAA) with information on the activity and avionics of the general aviation and air taxi fleet. The information obtained from the survey enables the FAA to monitor the general aviation fleet so that it can, among other activities, anticipate and meet demand for National Airspace System (NAS) facilities and services, assess the impact of regulatory changes on the fleet, and implement measures to assure the safe operation in the airspace of all aircraft.

1.2 Background

Prior to the current survey method, the FAA used the Aircraft Registration Eligibility, Identification, and Activity Report, AC Form 8050-73, to collect data on general aviation activity and avionics. The form was sent annually to all owners of civil aircraft in the United States and served two purposes: (1) Part 1 was the mandatory aircraft registration revalidation form, and (2) Part 2 was voluntary and applied to general aviation aircraft only, asking questions on the owner-discretionary characteristics of the aircraft such as flight hours, avionics equipment, base location, and use. This information was used by the FAA to estimate aircraft activity.

In 1978, the FAA replaced AC Form 8050-73 with a new system: Part 1 was replaced by a triennial registration program. In January 1978, the FAA implemented a new procedure, known as triennial revalidation, for maintaining its master file. Instead of requiring all aircraft owners to revalidate and update their aircraft registration annually, FAA only required revalidation for those aircraft owners who had not contacted the FAA registry for three years. This less frequent updating of the master file affected its accuracy and representativeness:

- 1) the accuracy of owners has deteriorated;
- 2) the master file contained a residue of aircraft which, under the old revalidation system, would have been deregistered and purged from the file but now remain under the new system.

Part 2 was replaced by the annual General Aviation Activity and Avionics Survey, FAA Form 1800-54, shown in Figure A.1. The survey is conducted annually, based on a statistically selected sample of aircraft, and it requests the same type of information as Part 2 of AC Form 8050-73. The first survey took place in 1978, collecting data on the 1977 general aviation fleet. The 1993 statistics in this report were derived from the seventeenth survey, which took place in 1994. Benefits resulting from the new system of data collection include quicker processing of the results, improved data quality, and a considerable savings in time and money to both the public and the Federal Government.

2. SURVEY COVERAGE

2.1 Aircraft

The General Aviation and Air Taxi Activity and Avionics (GAATAA) Survey covers, through a stratified probability sample, all civil aircraft registered with the FAA except those operated under Federal Aviation Regulations (FAR) Part 121. FAR Part 121, as modified by Special Federal Aviation Regulation 38 (SFAR-38), governs air carriers carrying passengers and cargo for hire and conducting scheduled and charter operations with aircraft having a seating capacity of more than 30 seats and/or a payload capacity of more than 7,500 pounds. Thus, the survey includes aircraft operating under:

- Part 91: General operating and flight rules.
- Part 125: Certification and operations: Airplanes having a seating capacity of 20 or more passengers or a maximum payload capacity of 6,000 pounds or more (but not for hire).
- Part 133: Rotorcraft external load operations.
- Part 135: Air taxi operators and commercial operators (aircraft identified as commuters during the survey are excluded from most of the survey results).
- Part 137: Agricultural aircraft operations.

Certain aircraft meeting the above criteria have been excluded from the survey. This group includes aircraft registered to dealers, aircraft in the process of being sold or with registration pending, aircraft with known invalid addresses, and aircraft for which not enough information was available to categorize them properly for sampling purposes.

Figure A.1 SURVEY QUESTIONNAIRE (Front Side)

Form Approved OMB NO. 2120-0060


 U.S. Department of Transportation Federal Aviation Administration	1993 GENERAL AVIATION AND AIR TAXI ACTIVITY AND AVIONICS SURVEY (As of December 31, 1993)
Submission of this form is voluntary. The information you provide will be used only for statistical purposes and will not be published or released in any form that would reveal specific information reported by an individually identifiable respondent.	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><input type="checkbox"/> _____</p> <p><input type="checkbox"/> _____</p> </div> <div style="width: 45%; text-align: right;"> <p>1. AIRCRAFT CHARACTERISTICS:</p> <p>Federal Aviation Administration 800 Independence Ave., SW APO-110 (Survey) Washington, DC 20591 Fax No. (202) 267-9636</p> </div> </div> <p><i>INSTRUCTIONS: Please answer questions for the aircraft at right. Mail the completed questionnaire in the enclosed, postage-paid envelope to:</i></p>	
2. Did you operate this aircraft in 1993 primarily as an air carrier (FAR Parts 121 or 127 operator), or lease this aircraft to an air carrier? <input type="checkbox"/> YES Do not complete the rest of this form. Please return the form to the address shown above in the enclosed, postage-paid envelope. <input type="checkbox"/> NO Continue.	
3. Did you operate this aircraft in 1993 primarily as a commuter (FAR Part 135 operator performing scheduled passenger service only), or lease this aircraft to a commuter? <input type="checkbox"/> YES Go to question 16. <input type="checkbox"/> NO This form should be completed for all general aviation aircraft and air taxi aircraft (FAR Part 135 operators except commuter air carriers.)	
4. Was the aircraft flown in Calendar Year 1993? <input type="checkbox"/> YES Continue. <input type="checkbox"/> NO Survey is complete. Please return the form to the address shown above in the enclosed, postage-paid envelope.	
5. In what year was this aircraft manufactured?	
6. What were the total lifetime airframe hours as of December 31, 1993?	
LIFETIME HRS	
7. In what state was this aircraft based as of December 31, 1993?	
HRS FLOWN	
8. How many hours did this aircraft fly in Calendar Year 1993? (Include estimated rental and leased hours.)	
PERCENT OF HRS FLOWN	
9. What percent of the hours entered in Question 8 did this aircraft fly in each of the following use categories?	
CORPORATE/EXECUTIVE TRANSPORTATION--Company flying with a paid, professional crew.....a.	%
BUSINESS TRANSPORTATION--Individual use of an aircraft for business transportation without a paid, professional crew.....b.	%
PERSONAL/RECREATIONAL--Flying for personal reasons (excludes business transportation).....c.	%
INSTRUCTIONAL--Flying under the supervision of a flight instructor (excludes proficiency flight).....d.	%
AERIAL APPLICATION--Agriculture, health, forestry, cloud seeding, firefighting, insect control, etc.....e.	%
AERIAL OBSERVATION--Aerial mapping/photography, patrol, search and rescue, hunting, highway traffic advisory, ranching, surveillance, oil and mineral exploration, criminal pursuit, fish spotting, etc.....f.	%
SIGHT SEEING--All commercial sight seeing.....g.	%
EXTERNAL LOAD--Operations under FAR Part 133, rotorcraft external load operations, examples include helicopter hoist, hauling logs, etc.....h.	%
OTHER WORK USE--Construction work (not FAR Part 135 operation) parachuting, aerial advertising, towing gliders, etc.....i.	%
AIR TAXI--FAR Part 135 unscheduled passenger and all cargo operations (except commuter air carrier).....j.	%
What was the average revenue in dollars per hour for this aircraft in air taxi operations?.....k.	\$
OTHER--Experimentation, R&D, testing, Government demonstration, air show, air racing, etc.....l.	%
TOTAL (a+b+c+d+e+f+g+h+i+j+l) = 100%	
10. Was the aircraft rented or leased to others in 1993? <input type="checkbox"/> YES <input type="checkbox"/> NO	
RENTAL HRS	
If "YES," for how many rental or leased hours.....a.	

Figure A.1 SURVEY QUESTIONNAIRE (Back Side)

Form Approved OMB NO. 2120-0060

<p>11. What kind/grade of fuel was primarily used in this aircraft in 1993? Please check one.</p> <p>Jet Fuela.</p> <p>Aviation Fuel: 80 Octane.....b.</p> <p>Aviation Fuel: 100 Octanec.</p> <p>Aviation Fuel: 100 Octane-Low Leadd.</p> <p>Automotive Gasoline.....e.</p> <p>Propanef.</p>		<p>Transponder Equipment</p> <p>Mode A Transponder (TSO-c74-b/c).....k. <input type="checkbox"/></p> <p>Mode C (Altitude Encoding).....l. <input type="checkbox"/></p> <p>Mode S Transponder (TSO-c112).....m. <input type="checkbox"/></p> <p>TCAS I.....n. <input type="checkbox"/></p> <p>TCAS II.....o. <input type="checkbox"/></p> <p>No Transponder equipment.....p. <input type="checkbox"/></p>
<p>12. In 1993, how many hours were flown under:?</p> <p>IFR Flight Plans.....a.</p> <p>VFR Flight Plans.....b.</p> <p>No Flight Plans.....c.</p> <p>Other/Unknown.....d.</p> <p>Total Hours (equal to number of hours reported in Question 8)</p>	<p>HRS FLOWN</p>	<p>Navigation Equipment</p> <p>VOR Receiver:</p> <p>100 channel (Portable).....q. <input type="checkbox"/></p> <p>(Fixed).....r. <input type="checkbox"/></p> <p>200 channel (Portable).....s. <input type="checkbox"/></p> <p>(Fixed).....t. <input type="checkbox"/></p> <p>More than one VOR Receiver.....u. <input type="checkbox"/></p> <p>Automatic Direction Finder (ADF).....v. <input type="checkbox"/></p> <p>Distance Measuring Equipment (DME).....w. <input type="checkbox"/></p> <p>Area Navigation Equipment (RNAV).....x. <input type="checkbox"/></p> <p>Long Range Navigation Equipment (LRNAV).....y. <input type="checkbox"/></p> <p>LORAN C VFR only.....z. <input type="checkbox"/></p> <p>IFR Navigation.....aa. <input type="checkbox"/></p> <p>IFR Approach.....bb. <input type="checkbox"/></p> <p>OMEGA-VLF.....cc. <input type="checkbox"/></p> <p>Global Position System (GPS).....dd. <input type="checkbox"/></p> <p>Other (Doppler, INS, other).....ee. <input type="checkbox"/></p> <p>No Navigation Equipment.....ff. <input type="checkbox"/></p>
<p>13. Of the IFR flight plan hours reported in Question 12(a), what percent of the hours did this aircraft fly under:</p> <p>Day Instrument Meteorological Conditions (IMC).....a. %</p> <p>Day Visual Meteorological Conditions (VMC).....b. %</p> <p>Night Instrument Meteorological Conditions (IMC).....c. %</p> <p>Night Visual Meteorological Conditions (VMC).....d. %</p> <p style="text-align: right;">TOTAL (a+b+c+d) = 100%</p>	<p>%</p>	
<p>14. Of the total hours reported in Questions 12(b)(c)(d), what percent of the hours did the aircraft fly under:?</p> <p>Day Visual Meteorological Conditions (VMC).....a. %</p> <p>Night Visual Meteorological Conditions (VMC).....b. %</p> <p style="text-align: right;">TOTAL (a+b) = 100%</p>	<p>%</p>	
<p>15. How many landings (including water, and touch and go landings) did this aircraft perform in each of the following categories in Calendar Year 1993?</p> <p>LOCAL FLIGHT.....a.</p> <p>CROSS COUNTRY FLIGHT.....b.</p>	<p>NUMBER OF LANDINGS</p>	<p>Precision Approach Equipment</p> <p>Localizer.....gg. <input type="checkbox"/></p> <p>Marker Beacon.....hh. <input type="checkbox"/></p> <p>Glide Slope.....ii. <input type="checkbox"/></p> <p>No Precision Approach Equipment.....jj. <input type="checkbox"/></p>
<p>16. Does this aircraft have an electrical system to operate avionics equipment? a. <input type="checkbox"/> YES b. <input type="checkbox"/> NO</p> <p>Check all boxes that reflect this aircraft's avionics equipment capabilities as of December 1993:</p> <p>Communication equipment</p> <p>360 channel (50 kHz channel spacing): Portable....c. <input type="checkbox"/></p> <p>Fixed.....d. <input type="checkbox"/></p> <p>720 channel or more (25 kHz channel spacing): Portable....e. <input type="checkbox"/></p> <p>Fixed.....f. <input type="checkbox"/></p> <p>HF Radio.....g. <input type="checkbox"/></p> <p>More than one communication system.....h. <input type="checkbox"/></p> <p>Cockpit Voice Recorder.....i. <input type="checkbox"/></p> <p>No communication equipment.....j. <input type="checkbox"/></p>		<p>Guidance and Control Equipment</p> <p>Flight Director.....kk. <input type="checkbox"/></p> <p>Electronic Flight Instrument System (EFIS).....ll. <input type="checkbox"/></p> <p>Flight Management System.....mm. <input type="checkbox"/></p> <p>Autopilot-Axis Controls:</p> <p>Longitudinal.....nn. <input type="checkbox"/></p> <p>Vertical.....oo. <input type="checkbox"/></p> <p>Lateral.....pp. <input type="checkbox"/></p> <p>Approach Mode.....qq. <input type="checkbox"/></p> <p>Autoland.....rr. <input type="checkbox"/></p> <p>Flight Data Recorder.....ss. <input type="checkbox"/></p> <p>No Navigation and Control Equipment.....tt. <input type="checkbox"/></p> <p>Other Avionics</p> <p>Radar Altimeter.....uu. <input type="checkbox"/></p> <p>Weather Radar.....vv. <input type="checkbox"/></p> <p>Thunderstorm Detection Equipment.....ww. <input type="checkbox"/></p> <p>Ground Proximity Warning System.....xx. <input type="checkbox"/></p>
<p>-Agency Display of Estimated Burden of the General Aviation and Air Taxi Activity and Avionics Survey-</p> <p>The public reporting burden for this collection of information is estimated to average 15 minutes per response. If you wish to comment on the accuracy of the estimate or to make suggestions for reducing this burden, please direct your comments to FAA and the OMB at the following addresses:</p>		
<p>U.S. DOT Federal Aviation Administration 800 Independence Avenue, S.W. APO-110 (Survey) Washington, DC 20591</p>		<p>Office of Management and Budget Paperwork Reduction Project (2120-0060) Washington, DC 20503</p>

2.2 Geographic

The sample survey covers general aviation and air taxi aircraft registered with the United States Aircraft Registry as of December 31, 1993. Over 99 percent of these aircraft are registered to owners living in the 50 states; the District of Columbia; Puerto Rico; and other U.S. territories, which include American Samoa, Guam, and the Virgin Islands.¹

2.3 Content

The survey questionnaire, FAA Form 1800-54 shown previously in Figure A.1, requests the aircraft owner to provide the following information on the sampled aircraft's characteristics and uses for various periods:

- 1) year aircraft was manufactured, hours by use, IFR hours, percentage of hours flown in Instrument Meteorological Conditions (IMC) and Visual Meteorological Conditions (VMC) during the day and evening, fuel type, and number of local and cross country landings for the entire calendar year 1993;
- 2) airframe hour reading and the aircraft's base location as of December 31, 1993; and
- 3) avionics equipment currently on board the aircraft.

3. SURVEY METHOD

The survey data were collected by mailing the questionnaire to the owners of the sampled aircraft in three mailings. The first mailing in February, 1994 covered all 29,950 aircraft in the sample and had a response rate of 47.3 percent, as shown in Table A.1. This accounted for approximately 76 percent of the total responses to the survey. The second mailing in March, 1994 included only those aircraft in the sample that had not yet responded. The second mailing had a response rate of 17.8 percent, which accounted for approximately 19 percent of the total responses to the survey. The third mailing in May, 1994 was sent to the owners of the sampled aircraft who had not responded to the first or second mailings as of a specified date. The third mailing produced a response rate of 8.1 percent, or approximately 5 percent of the total responses to the survey. The overall survey responses resulted in a response rate of 65.7 percent.

TABLE A.1 SUMMARY OF RESPONSE INFORMATION

<u>PHASE</u>	<u>VALID SAMPLE²</u>	<u>RESPONSES</u>	<u>RESPONSE RATE</u>	<u>% TOTAL RESPONSE</u>
1st Mailing	29,950	14,171	47.3	76.0
2nd Mailing	19,640	3,500	17.8	18.8
3rd Mailing	12,240	988	8.1	5.3
TOTAL:	28,411³	18,659	65.7	100.0

¹ Source: FAA Aircraft Registration Master File as of December 31, 1993.

² The Initial Valid Sample Size includes a total of 172 museum aircraft which were removed from the 1st mailing and considered as inactive aircraft which were not flown in 1993. All 172 museum aircraft are included in the total responses and were made a part of the final survey results.

³ The Total Valid Sample Size used to compute the overall survey response rate excludes all Postmaster returns (PMRs) and the 172 museum aircraft which were removed from all three mailings. The formula used to compute response rate was Total Number of Responses divided by the Sample Size minus the PMRs.

Each of the three mailings was accompanied by a cover letter, shown respectively in Figures A.2, A.3, and A.4 at the back of this Appendix.

4. SAMPLE DESIGN

4.1 Sample Frame and Size

The FAA Mike Monroney Aeronautical Center in Oklahoma City maintains the Aircraft Registration Master File, which is the official record of registered civil aircraft in the United States.

The sample frame is made up of all aircraft identified as general aviation in the master file (according to the definition in Section 2.1), with the following exceptions:

- 1) aircraft registered to dealers;
- 2) aircraft with "Sale Reported" or "Registration Pending" appearing in the record instead of the owner's name;
- 3) aircraft with a known, inaccurate owner's address; and
- 4) aircraft with missing state of registration, aircraft make-model- series code, or aircraft type information.

For calendar year 1993, the sample frame consisted of 245,971 general aviation aircraft records from which 29,950 records were sampled, yielding a 12.2 percent sample. Table A.2 shows, by aircraft type, the distribution of the sample compared to that of the population. This clearly demonstrates the disproportionality of the sample to the population, an intended result of the sample design to gain efficiency and to control errors.

4.2 Description of Sample Design

The sample design employed was a stratified, systematic design from a random start. The sample was selected from a two-way stratified frame matrix. The two stratification criteria were:

- 1) state or territory of aircraft registration, and
- 2) a variable called the make-model index, constructed from a combination of the aircraft type and the aircraft manufacturer/model group.

**TABLE A.2 SAMPLE AND POPULATION
DISTRIBUTION BY AIRCRAFT TYPE**

<u>TYPE</u>	<u>APPROXIMATE POPULATION</u>	<u>SAMPLE SIZE</u>	<u>SAMPLE AS % OF POPULATION</u>
Fixed Wing - Piston			
1 Engine: 1-3 Seats	68,813	9,277	13.48
1 Engine: 4+ Seats	109,606	7,902	7.21
2 Engine: 1-6 Seats	15,187	2,142	14.1
2 Engine: 7+ Seats	6581	1,354	20.57
Piston: Other	95	73	76.84
Fixed Wing - Turboprop			
1 Engine: Total	807	196	24.29
2 Engine: 1-12 Seats	4,086	758	18.55
2 Engine: 13+ Seats	868	611	70.39
Turboprop: Other	71	42	59.15
Fixed Wing - Turbojet			
2 Engine	4,272	790	18.49
Turbojet: Other	434	240	55.3
Rotorcraft			
Piston	4,274	1,741	40.73
1 Engine: Turbine	3,040	780	25.66
Multi-Engine: Turbine	906	398	43.93
Other Aircraft			
Gliders	2,760	730	26.45
Lighter-than-Air	5,497	829	15.08
Experimental			
Home Built	12,683	722	5.69
Exhibition	2,617	623	23.81
Other	3,374	742	21.99
TOTAL:	245,971	29,950	12.18

The 54 levels of the state criterion and the 241 levels of the make-model index yielded a matrix of 54 by 241 or 13,014 cells (strata) among which the frame was divided for sampling.

The FAA's primary requirement is for estimates of average annual flight hours per aircraft, necessitating optimal determination of sample sizes based on flight hour variation by state and by make-model index, and not on population. Hence, the sample was not proportional to size, and a sampling fraction was determined for each cell with a non-zero population. Sampling was then

performed systematically from a random start within individual cells, yielding a final sample size of 29,950 aircraft.

Initially, each aircraft in the sample was given a weight which was the inverse of its cell's sampling fraction, and which corresponded to the number of aircraft in the sample frame represented by that aircraft. When all responses to the survey were tallied, each weight was adjusted according to the response rate for the cell, counting an aircraft for which no survey questions were answered as a non-respondent, and an aircraft for which at least one question was answered as a respondent.

The weight adjustment is described as follows:

- 1) non-respondents' weights were changed to zero; and
- 2) the weights of all responding aircraft were adjusted uniformly by dividing the initial weight by the response rate for the cell.

This method of weight adjustment has several attributes. It actually incorporates the response rates into the final weights and simplifies estimation procedures.

4.3 Error

Errors associated with estimates derived from sample survey results fall into two categories: sampling and non-sampling errors. Sampling errors occur because the estimates are based on a sample rather than the entire population.

Non-sampling errors arise from a number of sources such as non-response, inability or unwillingness of respondents to provide correct information, differences in interpretation of questions, mistakes in recording or coding the data obtained, and others. The following sections discuss the two types of errors.

4.4 Sampling Error

In a designed survey, the sampling error associated with an estimate is generally unknown, but a measurable quantity, known as the standard error, is often used as a guide to the potential magnitude of sampling error. The standard error measures the variation which would occur among the estimates from all possible samples of the same design from the same population. It measures the precision with which an estimate approximates the average result of all possible samples or the result of a survey in which all elements of the population were sampled.

Through sample design techniques, the statistician can control the sizes of standard errors on a few key variables, known as design variables, in the survey. The design variables in the GAAA Survey are the average annual hours flown per aircraft by aircraft type, by aircraft manufacturer/model characteristics and by state of aircraft registration. The sample is designed to produce standard errors on these variables at levels specified by the FAA. No controls are placed on the standard errors of the non-design variables.

An estimate and its standard error make it possible to construct an interval estimate with the prescribed confidence that the interval will include the average value of the estimate from all possible samples of the population. Table A.3 shows selected interval widths and their corresponding confidence.

TABLE A.3 CONFIDENCE OF INTERVAL ESTIMATES

<u>WIDTH OF INTERVAL</u>	<u>APPROXIMATE CONFIDENCE THAT INTERVAL INCLUDES AVERAGE VALUE</u>
1 Standard error	68%
2 Standard error	95%
3 Standard error	99%

Every estimate resulting from a sample survey, whether it be for a design or non-design variable, has sampling error associated with it. The user of survey results must consider sampling error along with the point estimate itself when making inferences or drawing conclusions about the sample population. A large standard error relative to an estimate indicates lack of precision and, inversely, a small standard error indicates precision. To facilitate the comparison of estimates and their errors, the tables in this publication display standard errors for all estimated quantities. For the most part, the measure of precision presented in this report is the percent standard error (% s.e.), which is merely the ratio of the standard error to the estimate times 100 (to convert the fraction to a percent). In addition to immediately communicating the relative precision of the estimate, it allows ready comparison of the survey's performance across variables. The following is an example of how to use the % s.e.: from Table 2.1, a 95 percent confidence interval for the number of active rotorcraft with piston engines would be 2,470 plus or minus 2 (7.6/100)(2,470) or the interval between 2,125 and 2,815. One would say with 95 percent confidence that the number of active rotorcraft with piston engines lies somewhere between 2,125 and 2,815. Another way of expressing this is that we are highly confident (95 percent) that the number of active rotorcraft with piston engines is within plus or minus 2(7.6) percent, or 15.2 percent of 2,470.

4.5 Non-Sampling Error

Non-sampling error can be reduced through survey design, although the amount of reduction is difficult, if not impossible, to quantify in any given design. There are, however, various techniques which can limit non-sampling error.

Several of these techniques were incorporated into the design of the GAAA Survey and are itemized below:

- 1) A second and third mailing and a prompting (reminder) letter were sent to nonrespondents in addition to the original mailing in order to improve the response rate, since a low response rate is a major cause of non-sampling error.

- 2) To assure the owners of the confidentiality of their responses, the back side of the questionnaire cover letter informed them that:

"The information you have provided in the past has never been published or released in any form that would reveal specific information reported by any individually identifiable respondent."⁴

- 3) Comprehensive editing procedures insured the accuracy of the data transcription to machine readable form and the internal consistency of responses.
- 4) The official and most accurate source of information available on the general aviation and air taxi fleet, the FAA Aircraft Registration Master File, was used as the sampling frame.
- 5) Results were adjusted using data from a survey of nonrespondents. This adjustment is described in Section 5.1, Adjustments Based on a Survey of Nonrespondents, on page A-12.

5. RESPONSE RATE

The response rate for 1993 was of 65.7%. Possible causes for the less than 100% sample rate response include:

- The deterioration of the currency of aircraft owners' addresses in the Aircraft Registration Master File, the sample frame. This has caused a gradual increase in the percentage of questionnaires returned undelivered by the postmaster.
- Repeated sampling of aircraft in two and possibly three or four successive years. Due to the design of the sample to achieve specified precision in estimates for states and manufacturer/model groups of aircraft, it is impossible to avoid sampling some of the same aircraft in consecutive years. Owners of such aircraft may have been less willing to respond. Increasing the minimum cell size may have somehow mitigated the problem in 1994.

Table A.4, on the following page, reveals the responses by aircraft type.

⁴ See Figure A.2.

TABLE A.4 RESPONSE RATE BY AIRCRAFT TYPE

<u>TYPE</u>	<u>SAMPLE</u>	<u>PMR's</u>	<u>NO RESPONSE</u>	<u>RESPONSE RATE</u>
Fixed Wing - Piston				
1 Engine: 1-3 Seats	9,271	359	6,255	70.19
1 Engine: 4+ Seats	7,889	326	5,196	68.70
2 Engine: 1-6 Seats	2,138	119	1,294	64.09
2 Engine: 7+ Seats	1,327	87	646	52.10
Piston: Other	73	7	34	51.52
Fixed Wing - Turboprop				
1 Engine: Total	192	7	96	51.89
2 Engine: 1-12 Seats	742	43	424	60.66
2 Engine: 13+ Seats	571	18	225	40.69
Turboprop: Other	35	2	14	42.42
Fixed Wing - Turbojet				
2 Engine	764	31	482	65.76
Turbojet: Other	233	14	136	62.10
Rotorcraft				
Piston	1,729	115	952	58.98
1 Engine: Turbine	772	32	381	51.49
Multi-Engine: Turbine	388	8	212	55.79
Other Aircraft				
Gliders	730	40	482	69.86
Lighter-than-Air	829	59	459	59.61
Experimental				
Home Built	716	32	498	72.81
Exhibition	622	32	386	65.42
Other	739	36	487	69.27
TOTAL:	29,760	1,367	18,659	65.72

5.1 Adjustments Based on a Survey of Nonrespondents

Since the conduct of the first General Aviation Activity and Avionics (GAAA) Survey in 1977, the survey data have not been adjusted to account for nonrespondents (aircraft owners selected as part of the survey sample but who chose not to complete and return the form) because telephone surveys of nonrespondents conducted in 1977, 1978, and 1979 did not show any significant differences or

inconsistencies between respondents' and nonrespondents' replies. In 1980, the telephone survey was discontinued as a cost-saving measure.

The GAAA Survey response rate has fallen from over 70 percent prior to 1980 to 60 percent in most years since 1983, and the number of postmaster returns has greatly increased. Therefore, the FAA decided to conduct a telephone survey of nonrespondents to the 1990 GAAA mail Survey. This telephone survey found that there is a significant difference in the ratio of active aircraft and inactive aircraft between mail respondents and telephone respondents. Therefore, the results of the telephone survey were integrated into the 1991, 1992, and 1993 surveys to estimate more accurately active aircraft and hours flown.

5.2 The Nonrespondent Survey

The substantial nonresponse rate for the GAAA Survey and developments in the sampling frame outlined above have led to a concern that there may be a response bias in the survey, especially with respect to the percent and number of aircraft that are active. The hypothesis is that aircraft of owners that do not respond to the survey are less likely to be active than aircraft of owners that do. If this hypothesis is correct, the results of the survey overstate the percent and number of active aircraft.

In order to test this hypothesis, and to provide data for adjusting the survey findings, a survey of nonrespondents to the 1990 survey was conducted. This survey focused on two substantive questions:

Was this aircraft flown during calendar year 1990?

If so:

How many hours did this aircraft fly in calendar year 1990?

The survey of nonrespondents also included screening questions to determine whether the respondent still owned the aircraft, whether the aircraft was flown as an air carrier.

The survey of nonrespondents was conducted by telephone. The sample for the survey was selected at random from the nonrespondents in the 1990 GAAA Survey sample. The sampling objective was to obtain a sample large enough to achieve 95 percent confidence that the telephone survey estimate of the proportion of nonrespondents with active aircraft would be within 10 percent of the true proportion. A total of 1,203 aircraft owners were included in the telephone survey. Of the aircraft owners in the sample, telephone numbers could not be obtained for 435 (36.2 percent), 300 (24.9 percent) could not be reached or refused to respond, 89 (7.4 percent) no longer owned the aircraft and were asked no further questions, and 379 (31.5 percent) provided the survey information sought. This number of respondents providing information was adequate to meet the statistical objectives of the sample design.

The principal results of the telephone survey were estimates of the percent of aircraft among GAAA Survey nonrespondents that were active and the average hours flown by these aircraft. Among the telephone survey respondents, 61.7 percent reported active general aviation use of their aircraft. This is substantially less than the GAAA Survey estimates for 1990 (79.7 percent) and for 1991 (80.3 percent), and the difference between the GAAA Survey respondents and the nonrespondents is statistically highly significant. The active telephone survey respondents reported an average of 158.6 annual hours flown, which is much the same as the average of annual hours flown reported in the 1990 or 1991 GAAA Survey.

5.3 Adjustment of the 1993 GAATAA Survey Data

The 1990 Nonresponse Survey data were used to adjust the 1993 GAATAA Survey results. Adjustments were made for the percent and number of active aircraft and for average hours flows. Total hours flown were adjusted indirectly, since they are derived from the number of active aircraft and average hours flown. In essence, the adjustment was made by replacing the GAATAA Survey results for percent active and average hours with weighted averages of the results of the 1993 GAATAA Survey and the 1990 Nonresponse Survey. The exact procedure is described below. The adjustments were made for each aircraft type, but they carry over to results for aircraft groups, regions and states. Adjustments were made in all tables in Chapters 1, 2, 3, 4, 5, and 6 in which the 1993 number or percent of aircraft active, average hours flown, or total hours flown appear. Tables in Chapters 7, 8, and 9 were not adjusted, because they are driven entirely or primarily by avionics data, which were not collected in the Telephone Survey.

Weighted averages of the percent of aircraft active and average hours flown were computed as part of the adjustment procedure. The values of percent of aircraft active and average hours flown were taken from the 1993 GAATAA Survey results and the 1990 Telephone Survey results. The weights used were the initial weights for the aircraft that responded to the 1993 GAATAA Survey and for 1990 GAAA Survey nonrespondents. Weights of the GAATAA Survey forms that were returned by the postmaster were not used in the calculations. This "non-treatment" of postmaster returns (PMRs) in the sample has the effect of assuming that PMRs are similar to the average adjusted results. Separate weighted averages were calculated for each of the nineteen aircraft types in the 1993 GAATAA survey. The weighted averages for percent of aircraft active were calculated as follows:

$$\frac{\{(Percent Active)_{Ri} \times (Total Weight)_{Ri}\} + \{(Percent Active)_{TRi} \times (Total Weight)_{NRi}\}}{(Total Weight)_{Ri} + (Total Weight)_{NRi}}$$

Where: R = GAATAA Respondents

TR = Telephone Survey Respondents

NR = GAATAA Nonrespondents

i = Aircraft Type (i = 1 to 19)

The weighted averages for average hours flown were calculated as follows:

$$\frac{\{(Average\ Hours)_{Ri} \times (Total\ Weight)_{Ri}\} + \{(Average\ Hours)_{TRi} \times (Total\ Weight)_{NRi}\}}{(Total\ Weight)_{Ri} + (Total\ Weight)_{NRi}}$$

Where: R = GAATAA Respondents
 TR = Telephone Survey Respondents
 NR = GAATAA Nonrespondents
 i = Aircraft Type (i = 1 to 19)

The actual adjustment to the 1993 GAATAA results was made by modifying the final weight of each aircraft that responded to the GAATAA Survey. First the weighted averages were converted into adjustment factors for each aircraft type, and then the weight of each responding aircraft was multiplied by the adjustment factor for the aircraft type of that aircraft. The adjustment factors were computed by dividing the weighted averages of the percent active and average hours flown by the unadjusted GAATAA Survey results for these values, i.e.:

$$\frac{(Percent\ Active)_{WAI}}{(Percent\ Active)_{Ri}} \quad \text{and} \quad \frac{(Average\ Hours)_{WAI}}{(Average\ Hours)_{Ri}}$$

Where: WA = Weighted Average (calculated above)
 R = GAATAA Survey Respondents
 i = Aircraft Type (i = 1 to 19)

Weights of all aircraft in an aircraft type were adjusted by the same proportional amount. This procedure provided a limited amount of disaggregation of the adjustment. Among other implications of this procedure, all aircraft groups within each aircraft type were also adjusted by the same proportional amount. Adjusting the weights of each individual respondent aircraft allowed results for regions and States to be adjusted, even though the adjustment factors were computed at the aircraft type level. Adjustment at the individual record level also produced adjustments in the standard errors.

In 1993, the adjustment lowered the estimate of the total number of active aircraft by 9.3 percent. The number of active aircraft in sixteen individual aircraft types also fell, although there were small upward adjustments for three aircraft types. The adjustment increased the overall estimate of average hours flown by 1.0 percent. Average hours flown was adjusted downward for nine aircraft types and upward for four aircraft types, the largest upward adjustment being for turbine rotorcraft. The adjustment lowered estimate of total hours flown by 9.3 percent, with hours flown adjusted downward for fifteen aircraft types and upward for four.

FIGURE A.2 FIRST COVER LETTER PAGE 1



U.S. Department
of Transportation

Federal Aviation
Administration

800 Independence Ave., S.W.
Washington, D.C. 20591

February, 1994

Dear Aircraft Owner:

This is the 17th year that the Federal Aviation Administration (FAA) has conducted the annual General Aviation and Air Taxi Activity and Avionics Survey to gather statistical information on the general aviation and air taxi fleet. The information collected in past surveys is used in a variety of ways. It helps to pinpoint potential safety problems and forecast our future work force and new facility requirements. Private industry organizations and individuals also use the survey information for research and analyses.

The FAA, in preparing the 1993 survey, conducted a public review of the survey questionnaire and procedures. The Aircraft Owners and Pilots Association, the Experimental Aircraft Association, the General Aviation Manufacturers Association, the National Business Aircraft Association, the Small Aircraft Manufacturers Association, the Helicopter Association International, and Aviation Data Service, Inc. provided comments on the survey program. Based upon their joint input and internal review, the FAA revised the 1993 survey questionnaire and modified the survey procedures.

You are one of about 30,000 aircraft owners selected to participate in the 1993 survey. Enclosed is a revised questionnaire requesting information for calendar year 1993. Please read the instructions on the back of this letter, and answer all questions for the aircraft identified on the form.

I urge you to complete the questionnaire and use the enclosed envelope to mail it in today. Your prompt response will eliminate the need for additional follow-up contacts.

If you have any questions or need further assistance, please call the following toll-free number: 1-800-373-9040 and one of my staff will answer your questions. If your call is not returned within 24 hours, please contact me at 202-267-3355.

We thank you for your participation.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert L. Bowles".

Robert L. Bowles
Manager, Statistics and Forecast Branch

Enclosures

FIGURE A.2 FIRST COVER LETTER PAGE 2

The 1993 General Aviation and Air Taxi Activity and Avionics Survey

Why does the FAA collect this information?

For the past 16 years, the FAA has conducted an annual sample survey to collect statistical information on the use of the general aviation fleet. The information collected helps the FAA understand more about general aviation activities, assess the impact of general aviation on the National Airspace System, and determine its need for traffic facilities and services. These data are used by the Federal, state, and local governments, as well as by private industry and individuals, for safety analyses, planning, forecasting, research, and development. We have made a concerted effort to minimize the number of questions we ask you, while still meeting the needs of the government and the public for aviation information.

How does the FAA handle the survey information?

The information you have provided in the past has never been published or released in any form that would reveal specific information reported by any individually identifiable respondent.

Why was I selected for this survey?

This survey covers general aviation aircraft and aircraft operated by air taxis and commuter air carriers. The survey sample is randomly selected, based upon the FAA Aircraft Registry as of December 31, 1993. The Registry shows you as the registrant of this aircraft on that date. Your aircraft is one of approximately 30,000 general aviation aircraft selected to be surveyed this year. When more than one of your aircraft is selected, you will receive, under separate cover, a questionnaire provided for each aircraft. Please answer all questions for the identified aircraft. If you cannot provide a precise answer to any questions, make your best estimate.

What should I do if . . .

- **IF** you are no longer in possession of this aircraft but were the registered owner on December 31, 1993, try to answer all the questions. If your aircraft was sold prior to December 31, 1993, please forward this mail to the new owner for response.
- **IF** your aircraft was operated by an airline (FAR Part 121 or 127 operator), *indicate this in question 2 and return the questionnaire to FAA.*
- **IF** your aircraft, for whatever reason, was not in use during calendar year 1993, *answer questions 4 and return the questionnaire to FAA.* The fact that your aircraft was not flown during the year is just as important as the fact that it was flown.
- **IF** your aircraft was operated primarily by another person or company (e.g. leased), obtain the necessary information from the operator, or forward this mail to the person or firm for response.
- **IF** your aircraft was stolen, destroyed, lost, donated to an organization, or otherwise not in your possession, and you have not yet notified the FAA Aircraft Registry in writing, do so immediately at the following address:

**Aircraft Registration Branch, AVN-450
7500 South MacArthur Blvd.
Oklahoma City, OK 73125.**

The signature of the aircraft owner of record is required to make any changes to the aircraft registration record. If you have any questions regarding the registration of your aircraft, please call (405) 954-3116.

- **IF** you wish to fax the survey information to us, our Fax No. is: (202) 267-9636.
- **IF** you have a question about the survey, call us on our toll free number: 1-800-373-9040.

FIGURE A.3 SECOND COVER LETTER PAGE 1



U.S. Department
of Transportation

Federal Aviation
Administration

800 Independence Ave., S.W.
Washington, D.C. 20591

March, 1994

Dear Aircraft Owner:

We need your input!

In February, we sent you a General Aviation and Air Taxi Activity and Avionics Survey questionnaire to compile 1993 aircraft activity and avionics information. As of this date, we have not received your response.

In case our first mailing never reached you or was misplaced, we have enclosed another identical questionnaire with a return postage-paid envelope for your convenience. I urge you to read the instructions on the back page of this letter, complete the questionnaire, and use the enclosed envelope to return it to us today.

If you have any questions or need further assistance, please call the following toll-free number: 1-800-373-9040, and one of my staff will answer your questions. If your call is not returned within 24 hours, please contact me at 202-267-3355. If your response is already in the mail, we thank you for your cooperation.

We look forward to receiving your response so that we can know more about general aviation flying and serve you better. We thank you for your participation.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert L. Bowles".

Robert L. Bowles
Manager, Statistics and Forecast Branch

Enclosure

The 1993 General Aviation and Air Taxi Activity and Avionics Survey

Why does the FAA collect this information?

For the past 16 years, the FAA has conducted an annual sample survey to collect statistical information on the use of the general aviation fleet. The information collected helps the FAA understand more about general aviation activities, assess the impact of general aviation on the National Airspace System, and determine its need for traffic facilities and services. These data are used by the Federal, state, and local governments, as well as by private industry and individuals, for safety analyses, planning, forecasting, research, and development. We have made a concerted effort to minimize the number of questions we ask you, while still meeting the needs of the government and the public for aviation information.

How does the FAA handle the survey information?

The information you have provided in the past has never been published or released in any form that would reveal specific information reported by any individually identifiable respondent.

Why was I selected for this survey?

This survey covers general aviation aircraft and aircraft operated by air taxis and commuter air carriers. The survey sample is randomly selected, based upon the FAA Aircraft Registry as of December 31, 1993. The Registry shows you as the registrant of this aircraft on that date. Your aircraft is one of approximately 30,000 general aviation aircraft selected to be surveyed this year. When more than one of your aircraft is selected, you will receive, under separate cover, a questionnaire provided for each aircraft. Please answer all questions for the identified aircraft. If you cannot provide a precise answer to any questions, make your best estimate.

What should I do if . . .

- **IF** you are no longer in possession of this aircraft but were the registered owner on December 31, 1993, try to answer all the questions. If your aircraft was sold prior to December 31, 1993, please forward this mail to the new owner for response.
- **IF** your aircraft was operated by an airline (FAR Part 121 or 127 operator), *indicate this in question 2 and return the questionnaire to FAA.*
- **IF** your aircraft, for whatever reason, was not in use during calendar year 1993, *answer questions 4 and return the questionnaire to FAA.* The fact that your aircraft was not flown during the year is just as important as the fact that it was flown.
- **IF** your aircraft was operated primarily by another person or company (e.g. leased), obtain the necessary information from the operator, or forward this mail to the person or firm for response.
- **IF** your aircraft was stolen, destroyed, lost, donated to an organization, or otherwise not in your possession, and you have not yet notified the FAA Aircraft Registry in writing, do so immediately at the following address:

Aircraft Registration Branch, AVN-450
7500 South MacArthur Blvd.
Oklahoma City, OK 73125.

The signature of the aircraft owner of record is required to make any changes to the aircraft registration record. If you have any questions regarding the registration of your aircraft, please call (405) 954-3116.

- **IF** you wish to fax the survey information to us, our Fax No. is: (202) 267-9636.
- **IF** you have a question about the survey, call us on our toll free number: 1-800-373-9040.



U.S. Department
of Transportation

Federal Aviation
Administration

800 Independence Ave., S.W.
Washington, D.C. 20591

April, 1994

Dear Aircraft Owner:

This is your last opportunity to participate in the 1993 General Aviation and Air Taxi Activity and Avionics Survey. We need your help.

In February and March, we sent you a General Aviation and Air Taxi Activity and Avionics Survey questionnaire to compile the 1993 aircraft activity and avionics information. As of this date, we have not received your response.

In case the previous mailings never reached you or were misplaced, we have enclosed another identical questionnaire with a return postage-paid envelope for your convenience. I urge you to read the instructions on the back page of this letter, complete the questionnaire, and use the enclosed envelope to return it to us today.

If you have any questions or need further assistance, please call the following toll-free number: 1-800-373-9040, and one of my staff will answer your questions. If your call is not returned within 24 hours, please contact me at 202-267-3355.

We look forward to receiving your response no later than **May 15**, so that we can include your input in the 1993 statistics.

If your response is already in the mail, we thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert L. Bowles".

Robert L. Bowles
Manager, Statistics and Forecast Branch

Enclosure

FIGURE A.4 THIRD COVER LETTER PAGE 2

The 1993 General Aviation and Air Taxi Activity and Avionics Survey

Why does the FAA collect this information?

For the past 16 years, the FAA has conducted an annual sample survey to collect statistical information on the use of the general aviation fleet. The information collected helps the FAA understand more about general aviation activities, assess the impact of general aviation on the National Airspace System, and determine its need for traffic facilities and services. These data are used by the Federal, state, and local governments, as well as by private industry and individuals, for safety analyses, planning, forecasting, research, and development. We have made a concerted effort to minimize the number of questions we ask you, while still meeting the needs of the government and the public for aviation information.

How does the FAA handle the survey information?

The information you have provided in the past has never been published or released in any form that would reveal specific information reported by any individually identifiable respondent.

Why was I selected for this survey?

This survey covers general aviation aircraft and aircraft operated by air taxis and commuter air carriers. The survey sample is randomly selected, based upon the FAA Aircraft Registry as of December 31, 1993. The Registry shows you as the registrant of this aircraft on that date. Your aircraft is one of approximately 30,000 general aviation aircraft selected to be surveyed this year. When more than one of your aircraft is selected, you will receive, under separate cover, a questionnaire provided for each aircraft. Please answer all questions for the identified aircraft. If you cannot provide a precise answer to any questions, make your best estimate.

What should I do if . . .

- **IF** you are no longer in possession of this aircraft but were the registered owner on December 31, 1993, try to answer all the questions. If your aircraft was sold prior to December 31, 1993, please forward this mail to the new owner for response.
- **IF** your aircraft was operated by an airline (FAR Part 121 or 127 operator), *indicate this in question 2 and return the questionnaire to FAA.*
- **IF** your aircraft, for whatever reason, was not in use during calendar year 1993, *answer questions 4 and return the questionnaire to FAA.* The fact that your aircraft was not flown during the year is just as important as the fact that it was flown.
- **IF** your aircraft was operated primarily by another person or company (e.g. leased), obtain the necessary information from the operator, or forward this mail to the person or firm for response.
- **IF** your aircraft was stolen, destroyed, lost, donated to an organization, or otherwise not in your possession, and you have not yet notified the FAA Aircraft Registry in writing, do so immediately at the following address:

Aircraft Registration Branch, AVN-450
7500 South MacArthur Blvd.
Oklahoma City, OK 73125.

The signature of the aircraft owner of record is required to make any changes to the aircraft registration record. If you have any questions regarding the registration of your aircraft, please call (405) 954-3116.

- **IF** you wish to fax the survey information to us, our Fax No. is: (202) 267-9636.
- **IF** you have a question about the survey, call us on our toll free number: 1-800-373-9040.

APPENDIX B

AIRCRAFT GROUP NAME - FAA MANUFACTURER/MODEL CODES

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG HEL(13)	0260301	1ENG PIST(1)	00301JT	1ENG PIST(1)	0400501	1ENG PIST(1)	056081X	1ENG PIST(1)	05608C2		
1ENG HEL(13)	0260302	1ENG PIST(1)	0030413	1ENG PIST(1)	0530102	1ENG PIST(1)	0560822	1ENG PIST(1)	05608CB		
1ENG HEL(13)	1180815	1ENG PIST(1)	0030432	1ENG PIST(1)	056010L	1ENG PIST(1)	0560822	1ENG PIST(1)	05608CE		
1ENG HEL(13)	1181007	1ENG PIST(1)	0030434	1ENG PIST(1)	0560117	1ENG PIST(1)	056082E	1ENG PIST(1)	05608CK		
1ENG HEL(13)	1182100	1ENG PIST(1)	0030435	1ENG PIST(1)	056012N	1ENG PIST(1)	056082X	1ENG PIST(1)	05608CC		
1ENG HEL(13)	1182105	1ENG PIST(1)	0030439	1ENG PIST(1)	056014S	1ENG PIST(1)	056083D	1ENG PIST(1)	05608D6		
1ENG HEL(13)	130018D	1ENG PIST(1)	0030452	1ENG PIST(1)	056016W	1ENG PIST(1)	056083G	1ENG PIST(1)	05608DA		
1ENG HEL(13)	1302906	1ENG PIST(1)	0030457	1ENG PIST(1)	056017I	1ENG PIST(1)	056083J	1ENG PIST(1)	05608DD		
1ENG HEL(13)	3300430	1ENG PIST(1)	0030461	1ENG PIST(1)	056017H	1ENG PIST(1)	056083M	1ENG PIST(1)	05608DM		
1ENG HEL(13)	3376502	1ENG PIST(1)	0030464	1ENG PIST(1)	056017K	1ENG PIST(1)	056083N	1ENG PIST(1)	05608DT		
1ENG HEL(13)	4360125	1ENG PIST(1)	0030465	1ENG PIST(1)	056018Q	1ENG PIST(1)	056084B	1ENG PIST(1)	05608DZ		
1ENG HEL(13)	4360127	1ENG PIST(1)	0030466	1ENG PIST(1)	056018R	1ENG PIST(1)	056084E	1ENG PIST(1)	05608EM		
1ENG HEL(13)	4360131	1ENG PIST(1)	0030470	1ENG PIST(1)	056019G	1ENG PIST(1)	056084T	1ENG PIST(1)	05608EU		
1ENG HEL(13)	4360406	1ENG PIST(1)	0030472	1ENG PIST(1)	05601AH	1ENG PIST(1)	056084U	1ENG PIST(1)	05608EV		
1ENG HEL(13)	4361415	1ENG PIST(1)	0030504	1ENG PIST(1)	05601BW	1ENG PIST(1)	0560852	1ENG PIST(1)	05608EX		
1ENG HEL(13)	4470904	1ENG PIST(1)	0030523	1ENG PIST(1)	05601CE	1ENG PIST(1)	056085U	1ENG PIST(1)	05608FA		
1ENG HEL(13)	4470905	1ENG PIST(1)	0030529	1ENG PIST(1)	05601DJ	1ENG PIST(1)	0560866	1ENG PIST(1)	05608FC		
1ENG HEL(13)	4800704	1ENG PIST(1)	0030531	1ENG PIST(1)	05601E2	1ENG PIST(1)	056086A	1ENG PIST(1)	05608FD		
1ENG HEL(13)	4800705	1ENG PIST(1)	0030539	1ENG PIST(1)	05601EK	1ENG PIST(1)	056086G	1ENG PIST(1)	05608FH		
1ENG HEL(13)	8059501	1ENG PIST(1)	0030547	1ENG PIST(1)	05601FF	1ENG PIST(1)	056086J	1ENG PIST(1)	05608FR		
1ENG HEL(13)	8141803	1ENG PIST(1)	0030548	1ENG PIST(1)	05601GG	1ENG PIST(1)	056086T	1ENG PIST(1)	05608FX		
1ENG HEL(13)	8141807	1ENG PIST(1)	0100102	1ENG PIST(1)	05601HB	1ENG PIST(1)	0560875	1ENG PIST(1)	05608G8		
1ENG HEL(13)	8141809	1ENG PIST(1)	0144308	1ENG PIST(1)	05601JQ	1ENG PIST(1)	056087C	1ENG PIST(1)	05608GB		
1ENG HEL(13)	8141840	1ENG PIST(1)	0144308	1ENG PIST(1)	05601K7	1ENG PIST(1)	056087E	1ENG PIST(1)	05608GG		
1ENG HEL(13)	8141841	1ENG PIST(1)	0180604	1ENG PIST(1)	05601KQ	1ENG PIST(1)	056087G	1ENG PIST(1)	05608GX		
1ENG HEL(13)	8141842	1ENG PIST(1)	0190101	1ENG PIST(1)	05601R3	1ENG PIST(1)	056087T	1ENG PIST(1)	05608H2		
1ENG HEL(13)	8141844	1ENG PIST(1)	0190104	1ENG PIST(1)	05601X1	1ENG PIST(1)	056087W	1ENG PIST(1)	05608HC		
1ENG HEL(13)	8142202	1ENG PIST(1)	0190108	1ENG PIST(1)	05601X2	1ENG PIST(1)	056087X	1ENG PIST(1)	05608HD		
1ENG HEL(13)	8142204	1ENG PIST(1)	0190109	1ENG PIST(1)	05601XK	1ENG PIST(1)	056088A	1ENG PIST(1)	05608HF		
1ENG HEL(13)	8142501	1ENG PIST(1)	0190202	1ENG PIST(1)	05601XU	1ENG PIST(1)	056088B	1ENG PIST(1)	05608HP		
1ENG HEL(13)	8142502	1ENG PIST(1)	0190204	1ENG PIST(1)	05601YJ	1ENG PIST(1)	056088J	1ENG PIST(1)	05608HU		
1ENG HEL(13)	8142505	1ENG PIST(1)	0210100	1ENG PIST(1)	05601ZG	1ENG PIST(1)	056088Q	1ENG PIST(1)	05608J1		
1ENG HEL(13)	8680502	1ENG PIST(1)	0220102	1ENG PIST(1)	05602SE	1ENG PIST(1)	056089G	1ENG PIST(1)	05608J4		
1ENG HEL(13)	8680516	1ENG PIST(1)	02260402	1ENG PIST(1)	0560610	1ENG PIST(1)	056089M	1ENG PIST(1)	05608JL		
1ENG HEL(13)	8680616	1ENG PIST(1)	0320102	1ENG PIST(1)	05607AC	1ENG PIST(1)	056089A	1ENG PIST(1)	05608JQ		
1ENG HEL(13)	8680975	1ENG PIST(1)	0390302	1ENG PIST(1)	05607AD	1ENG PIST(1)	056089L	1ENG PIST(1)	05608JQ		
1ENG HEL(13)	8940101	1ENG PIST(1)	0400102	1ENG PIST(1)	0560802	1ENG PIST(1)	056089Q	1ENG PIST(1)	05608JQ		
1ENG HEL(13)	9650150	1ENG PIST(1)	0400106	1ENG PIST(1)	0560807B	1ENG PIST(1)	05608A	1ENG PIST(1)	05608JQ		
1ENG HEL(13)	9650165	1ENG PIST(1)	0400107	1ENG PIST(1)	056081K	1ENG PIST(1)	05608A	1ENG PIST(1)	05608JQ		
1ENG HEL(13)	9650166	1ENG PIST(1)	0400108	1ENG PIST(1)	056081Q	1ENG PIST(1)	05608A	1ENG PIST(1)	05608JQ		
1ENG PIST(1)	00301FK	1ENG PIST(1)	0400113	1ENG PIST(1)	056081S	1ENG PIST(1)	05608A	1ENG PIST(1)	05608JQ		
1ENG PIST(1)	00301G8	1ENG PIST(1)	0400302	1ENG PIST(1)	056081T	1ENG PIST(1)	05608B	1ENG PIST(1)	05608L2		
1ENG PIST(1)	00301J3	1ENG PIST(1)	0400500	1ENG PIST(1)	056081U	1ENG PIST(1)	05608B	1ENG PIST(1)	05608L7		
									1ENG PIST(1)	05608LD	
										1ENG PIST(1)	05608LE

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05608LF	1ENG PIST(1)	05608SR	1ENG PIST(1)	05608X1	1ENG PIST(1)	056099S	1ENG PIST(1)	05609JU
1ENG PIST(1)	05608LJ	1ENG PIST(1)	05608SV	1ENG PIST(1)	05608X6	1ENG PIST(1)	05609AQ	1ENG PIST(1)	05609UZ
1ENG PIST(1)	05608LN	1ENG PIST(1)	05608T4	1ENG PIST(1)	05608Y1	1ENG PIST(1)	05609B8	1ENG PIST(1)	05609V1
1ENG PIST(1)	05608LR	1ENG PIST(1)	05608TA	1ENG PIST(1)	05608Y6	1ENG PIST(1)	05609C8	1ENG PIST(1)	05609V2
1ENG PIST(1)	05608LS	1ENG PIST(1)	05608TD	1ENG PIST(1)	05608Z8	1ENG PIST(1)	05609DU	1ENG PIST(1)	05609VM
1ENG PIST(1)	05608ME	1ENG PIST(1)	05608TE	1ENG PIST(1)	05608Z9	1ENG PIST(1)	05609EQ	1ENG PIST(1)	05609WB
1ENG PIST(1)	05608MF	1ENG PIST(1)	05608TG	1ENG PIST(1)	05608ZE	1ENG PIST(1)	05609FA	1ENG PIST(1)	05609WE
1ENG PIST(1)	05608MG	1ENG PIST(1)	05608TK	1ENG PIST(1)	05608ZG	1ENG PIST(1)	05609HG	1ENG PIST(1)	05609WH
1ENG PIST(1)	05608MH	1ENG PIST(1)	05608TM	1ENG PIST(1)	05608ZH	1ENG PIST(1)	05609HQ	1ENG PIST(1)	05609XK
1ENG PIST(1)	05608MS	1ENG PIST(1)	05608TY	1ENG PIST(1)	05608ZM	1ENG PIST(1)	05609HS	1ENG PIST(1)	05609XN
1ENG PIST(1)	05608MV	1ENG PIST(1)	05608UE	1ENG PIST(1)	05608ZP	1ENG PIST(1)	05609JW	1ENG PIST(1)	05609XP
1ENG PIST(1)	05608MX	1ENG PIST(1)	05608UG	1ENG PIST(1)	0560906	1ENG PIST(1)	05609KG	1ENG PIST(1)	05609YD
1ENG PIST(1)	05608NA	1ENG PIST(1)	05608UJ	1ENG PIST(1)	0560916	1ENG PIST(1)	05609KQ	1ENG PIST(1)	05609YN
1ENG PIST(1)	05608NH	1ENG PIST(1)	05608UR	1ENG PIST(1)	056091E	1ENG PIST(1)	05609LJ	1ENG PIST(1)	05609YR
1ENG PIST(1)	05608NL	1ENG PIST(1)	05608UQ	1ENG PIST(1)	056091F	1ENG PIST(1)	05609LQ	1ENG PIST(1)	05609YS
1ENG PIST(1)	05608NM	1ENG PIST(1)	05608UR	1ENG PIST(1)	056091G	1ENG PIST(1)	05609MA	1ENG PIST(1)	05609Z4
1ENG PIST(1)	05608NQ	1ENG PIST(1)	05608US	1ENG PIST(1)	056091K	1ENG PIST(1)	05609MC	1ENG PIST(1)	05609ZC
1ENG PIST(1)	05608NU	1ENG PIST(1)	05608UT	1ENG PIST(1)	056091Z	1ENG PIST(1)	05609MP	1ENG PIST(1)	05609ZG
1ENG PIST(1)	05608NW	1ENG PIST(1)	05608UU	1ENG PIST(1)	0560922	1ENG PIST(1)	05609MQ	1ENG PIST(1)	05609ZJ
1ENG PIST(1)	05608NY	1ENG PIST(1)	05608V1	1ENG PIST(1)	056092C	1ENG PIST(1)	05609M4	1ENG PIST(1)	05609ZU
1ENG PIST(1)	05608NH	1ENG PIST(1)	05608V4	1ENG PIST(1)	056092K	1ENG PIST(1)	05609NH	1ENG PIST(1)	05609ZX
1ENG PIST(1)	05608NL	1ENG PIST(1)	05608V5	1ENG PIST(1)	056093A	1ENG PIST(1)	05609NS	1ENG PIST(1)	0561118
1ENG PIST(1)	05608NQ	1ENG PIST(1)	05608V9	1ENG PIST(1)	056093N	1ENG PIST(1)	05609NU	1ENG PIST(1)	0561126
1ENG PIST(1)	05608NU	1ENG PIST(1)	05608V9	1ENG PIST(1)	056093P	1ENG PIST(1)	05609NZ	1ENG PIST(1)	0561127
1ENG PIST(1)	05608NW	1ENG PIST(1)	05608VA	1ENG PIST(1)	056093X	1ENG PIST(1)	05609P5	1ENG PIST(1)	05611AB
1ENG PIST(1)	05608PB	1ENG PIST(1)	05608VB	1ENG PIST(1)	056093X	1ENG PIST(1)	05609P9	1ENG PIST(1)	05611CY
1ENG PIST(1)	05608PE	1ENG PIST(1)	05608VC	1ENG PIST(1)	0560945	1ENG PIST(1)	05609PN	1ENG PIST(1)	05611CZ
1ENG PIST(1)	05608PM	1ENG PIST(1)	05608VD	1ENG PIST(1)	056094D	1ENG PIST(1)	05609PN	1ENG PIST(1)	05611D8
1ENG PIST(1)	05608PP	1ENG PIST(1)	05608VE	1ENG PIST(1)	056094H	1ENG PIST(1)	05609PQ	1ENG PIST(1)	05611DH
1ENG PIST(1)	05608PS	1ENG PIST(1)	05608VF	1ENG PIST(1)	056094A	1ENG PIST(1)	05609QA	1ENG PIST(1)	05611DL
1ENG PIST(1)	05608PW	1ENG PIST(1)	05608VH	1ENG PIST(1)	0560959	1ENG PIST(1)	05609QE	1ENG PIST(1)	05611F9
1ENG PIST(1)	05608PZ	1ENG PIST(1)	05608VJ	1ENG PIST(1)	056095H	1ENG PIST(1)	05609R4	1ENG PIST(1)	05611FX
1ENG PIST(1)	05608QZ	1ENG PIST(1)	05608VJ	1ENG PIST(1)	056095Q	1ENG PIST(1)	05609RE	1ENG PIST(1)	05611GE
1ENG PIST(1)	05608R7	1ENG PIST(1)	05608VJ	1ENG PIST(1)	056096G	1ENG PIST(1)	05609RE	1ENG PIST(1)	05611GU
1ENG PIST(1)	05608R8	1ENG PIST(1)	05608VH	1ENG PIST(1)	056096V	1ENG PIST(1)	05609RL	1ENG PIST(1)	05611HR
1ENG PIST(1)	05608RA	1ENG PIST(1)	05608VJ	1ENG PIST(1)	056096X	1ENG PIST(1)	05609RL	1ENG PIST(1)	0561203
1ENG PIST(1)	05608RD	1ENG PIST(1)	05608VH	1ENG PIST(1)	056097K	1ENG PIST(1)	05609TE	1ENG PIST(1)	0561213
1ENG PIST(1)	05608RF	1ENG PIST(1)	05608VJ	1ENG PIST(1)	056097L	1ENG PIST(1)	05609TA	1ENG PIST(1)	056121B
1ENG PIST(1)	05608RG	1ENG PIST(1)	05608VH	1ENG PIST(1)	056098S	1ENG PIST(1)	05609TE	1ENG PIST(1)	056121J
1ENG PIST(1)	05608RK	1ENG PIST(1)	05608VH	1ENG PIST(1)	056098W	1ENG PIST(1)	05609U3	1ENG PIST(1)	056121L
1ENG PIST(1)	05608RM	1ENG PIST(1)	05608VJ	1ENG PIST(1)	056098Z	1ENG PIST(1)	05609UG	1ENG PIST(1)	056121N
1ENG PIST(1)	05608RR	1ENG PIST(1)	05608VH	1ENG PIST(1)	056098Z	1ENG PIST(1)	05609UJ	1ENG PIST(1)	0561229
1ENG PIST(1)	05608RZ	1ENG PIST(1)	05608VJ	1ENG PIST(1)	0560996	1ENG PIST(1)	05609UK	1ENG PIST(1)	
1ENG PIST(1)	05608SD	1ENG PIST(1)	05608VJ	1ENG PIST(1)					
1ENG PIST(1)	05608SE	1ENG PIST(1)	05608VJ	1ENG PIST(1)					
1ENG PIST(1)	05608SF	1ENG PIST(1)	05608VJ	1ENG PIST(1)					
1ENG PIST(1)	05608SP	1ENG PIST(1)	05608VJ	1ENG PIST(1)					

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	056122A	1ENG PIST(1)	056128B	1ENG PIST(1)	05612NA	1ENG PIST(1)	05612XE	1ENG PIST(1)	05613AM
1ENG PIST(1)	056122J	1ENG PIST(1)	056128G	1ENG PIST(1)	05612NE	1ENG PIST(1)	05612XL	1ENG PIST(1)	05613AW
1ENG PIST(1)	056122N	1ENG PIST(1)	056128P	1ENG PIST(1)	05612NM	1ENG PIST(1)	05612XP	1ENG PIST(1)	05613AX
1ENG PIST(1)	056122T	1ENG PIST(1)	056128Q	1ENG PIST(1)	05612NZ	1ENG PIST(1)	05612XR	1ENG PIST(1)	05613B1
1ENG PIST(1)	056122Y	1ENG PIST(1)	056128T	1ENG PIST(1)	05612PG	1ENG PIST(1)	05612XS	1ENG PIST(1)	05613BC
1ENG PIST(1)	0561236	1ENG PIST(1)	05612CA	1ENG PIST(1)	05612PP	1ENG PIST(1)	05612XT	1ENG PIST(1)	05613BM
1ENG PIST(1)	0561239	1ENG PIST(1)	05612CF	1ENG PIST(1)	05612PW	1ENG PIST(1)	05612YK	1ENG PIST(1)	05613BU
1ENG PIST(1)	056123G	1ENG PIST(1)	05612CN	1ENG PIST(1)	05612PY	1ENG PIST(1)	05612YM	1ENG PIST(1)	05613BX
1ENG PIST(1)	056123J	1ENG PIST(1)	05612DQ	1ENG PIST(1)	05612QA	1ENG PIST(1)	05612ZB	1ENG PIST(1)	05613C4
1ENG PIST(1)	0561242	1ENG PIST(1)	05612DS	1ENG PIST(1)	05612QE	1ENG PIST(1)	05612ZD	1ENG PIST(1)	05613CJ
1ENG PIST(1)	056124T	1ENG PIST(1)	05612DY	1ENG PIST(1)	05612QG	1ENG PIST(1)	05612ZJ	1ENG PIST(1)	05613CP
1ENG PIST(1)	0561251	1ENG PIST(1)	05612DZ	1ENG PIST(1)	05612QH	1ENG PIST(1)	0561329	1ENG PIST(1)	05613DP
1ENG PIST(1)	0561252	1ENG PIST(1)	05612EA	1ENG PIST(1)	05612QJ	1ENG PIST(1)	056132J	1ENG PIST(1)	05613DR
1ENG PIST(1)	0561255	1ENG PIST(1)	05612EF	1ENG PIST(1)	05612QK	1ENG PIST(1)	056132L	1ENG PIST(1)	05613DT
1ENG PIST(1)	0561258	1ENG PIST(1)	05612EJ	1ENG PIST(1)	05612QL	1ENG PIST(1)	056132Q	1ENG PIST(1)	05613E3
1ENG PIST(1)	056125D	1ENG PIST(1)	05612EF	1ENG PIST(1)	05612RZ	1ENG PIST(1)	0561332	1ENG PIST(1)	05613E4
1ENG PIST(1)	056125H	1ENG PIST(1)	05612FH	1ENG PIST(1)	05612RG	1ENG PIST(1)	0561342	1ENG PIST(1)	05613EA
1ENG PIST(1)	056125S	1ENG PIST(1)	05612FR	1ENG PIST(1)	05612RH	1ENG PIST(1)	056134L	1ENG PIST(1)	05613EC
1ENG PIST(1)	0561260	1ENG PIST(1)	05612HD	1ENG PIST(1)	05612RI	1ENG PIST(1)	056135G	1ENG PIST(1)	05613EX
1ENG PIST(1)	0561269	1ENG PIST(1)	05612ID	1ENG PIST(1)	05612RU	1ENG PIST(1)	056135K	1ENG PIST(1)	05613F6
1ENG PIST(1)	056126D	1ENG PIST(1)	05612JA	1ENG PIST(1)	05612RV	1ENG PIST(1)	056135Q	1ENG PIST(1)	05613FA
1ENG PIST(1)	056126G	1ENG PIST(1)	05612JB	1ENG PIST(1)	05612SD	1ENG PIST(1)	0561364	1ENG PIST(1)	05613FP
1ENG PIST(1)	056126H	1ENG PIST(1)	05612JX	1ENG PIST(1)	05612SE	1ENG PIST(1)	056136A	1ENG PIST(1)	05613FY
1ENG PIST(1)	056126J	1ENG PIST(1)	05612JS	1ENG PIST(1)	05612SX	1ENG PIST(1)	056136H	1ENG PIST(1)	05613G5
1ENG PIST(1)	056126K	1ENG PIST(1)	05612KA	1ENG PIST(1)	05612TG	1ENG PIST(1)	056136K	1ENG PIST(1)	05613G9
1ENG PIST(1)	056126N	1ENG PIST(1)	05612KK	1ENG PIST(1)	05612TK	1ENG PIST(1)	0561376	1ENG PIST(1)	05613GB
1ENG PIST(1)	056126U	1ENG PIST(1)	05612KT	1ENG PIST(1)	05612TU	1ENG PIST(1)	056137B	1ENG PIST(1)	05613GK
1ENG PIST(1)	0561278	1ENG PIST(1)	05612KV	1ENG PIST(1)	05612UH	1ENG PIST(1)	056137G	1ENG PIST(1)	05613GQ
1ENG PIST(1)	056127D	1ENG PIST(1)	05612KW	1ENG PIST(1)	05612UJ	1ENG PIST(1)	056137H	1ENG PIST(1)	05613GY
1ENG PIST(1)	056127E	1ENG PIST(1)	05612LX	1ENG PIST(1)	05612US	1ENG PIST(1)	056137Q	1ENG PIST(1)	05613H3
1ENG PIST(1)	056127G	1ENG PIST(1)	05612LA	1ENG PIST(1)	05612VA	1ENG PIST(1)	0561387	1ENG PIST(1)	05613HD
1ENG PIST(1)	056127R	1ENG PIST(1)	05612LH	1ENG PIST(1)	05612VC	1ENG PIST(1)	056138E	1ENG PIST(1)	05613HF
1ENG PIST(1)	056127U	1ENG PIST(1)	05612LU	1ENG PIST(1)	05612VK	1ENG PIST(1)	056138R	1ENG PIST(1)	05613HK
1ENG PIST(1)	056127X	1ENG PIST(1)	05612LY	1ENG PIST(1)	05612VM	1ENG PIST(1)	056138Y	1ENG PIST(1)	05613HN
1ENG PIST(1)	056127Y	1ENG PIST(1)	05612LY	1ENG PIST(1)	05612VQ	1ENG PIST(1)	056139Q	1ENG PIST(1)	05613HS
1ENG PIST(1)	056128H	1ENG PIST(1)	05612MD	1ENG PIST(1)	05612VJ	1ENG PIST(1)	056139R	1ENG PIST(1)	05613HV
1ENG PIST(1)	056128L	1ENG PIST(1)	05612NE	1ENG PIST(1)	05612VW	1ENG PIST(1)	056139U	1ENG PIST(1)	05613JA
1ENG PIST(1)	056128U	1ENG PIST(1)	05612NK	1ENG PIST(1)	05612VY	1ENG PIST(1)	056139Y	1ENG PIST(1)	05613JH
1ENG PIST(1)	056128U	1ENG PIST(1)	05612NL	1ENG PIST(1)	05612WJ	1ENG PIST(1)	056139X	1ENG PIST(1)	05613JY
1ENG PIST(1)	056129D	1ENG PIST(1)	05612NR	1ENG PIST(1)	05612WL	1ENG PIST(1)	056139Z	1ENG PIST(1)	05613K4
1ENG PIST(1)	056129E	1ENG PIST(1)	05612NS	1ENG PIST(1)	05612WN	1ENG PIST(1)	05613AE	1ENG PIST(1)	05613KA
1ENG PIST(1)	056129Q	1ENG PIST(1)	05612NX	1ENG PIST(1)	05612WX	1ENG PIST(1)	05613AG	1ENG PIST(1)	05613KB
1ENG PIST(1)		1ENG PIST(1)		1ENG PIST(1)		1ENG PIST(1)	05613AH	1ENG PIST(1)	05613KE

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05613KJ	1ENG PIST(1)	05613T3	1ENG PIST(1)	0561605	1ENG PIST(1)	056166K	1ENG PIST(1)	05616AM
1ENG PIST(1)	05613KR	1ENG PIST(1)	05613T9	1ENG PIST(1)	0561606	1ENG PIST(1)	056166M	1ENG PIST(1)	05616AX
1ENG PIST(1)	05613KX	1ENG PIST(1)	05613TD	1ENG PIST(1)	0561609	1ENG PIST(1)	056166T	1ENG PIST(1)	05616B5
1ENG PIST(1)	05613L8	1ENG PIST(1)	05613TH	1ENG PIST(1)	0561616	1ENG PIST(1)	056166U	1ENG PIST(1)	05616B7
1ENG PIST(1)	05613LA	1ENG PIST(1)	05613TP	1ENG PIST(1)	0561619	1ENG PIST(1)	056166W	1ENG PIST(1)	05616B8A
1ENG PIST(1)	05613LB	1ENG PIST(1)	05613TV	1ENG PIST(1)	056161C	1ENG PIST(1)	056166X	1ENG PIST(1)	05616BF
1ENG PIST(1)	05613LD	1ENG PIST(1)	05613TX	1ENG PIST(1)	056161F	1ENG PIST(1)	056166Z	1ENG PIST(1)	05616BT
1ENG PIST(1)	05613LF	1ENG PIST(1)	05613U8	1ENG PIST(1)	056161H	1ENG PIST(1)	0561675	1ENG PIST(1)	05616B8Y
1ENG PIST(1)	05613LP	1ENG PIST(1)	05613UA	1ENG PIST(1)	056161R	1ENG PIST(1)	0561676	1ENG PIST(1)	05616C2
1ENG PIST(1)	05613LQ	1ENG PIST(1)	05613UN	1ENG PIST(1)	056161S	1ENG PIST(1)	0561677	1ENG PIST(1)	05616C3
1ENG PIST(1)	05613LR	1ENG PIST(1)	05613V1	1ENG PIST(1)	056161T	1ENG PIST(1)	0561679	1ENG PIST(1)	05616C3
1ENG PIST(1)	05613LX	1ENG PIST(1)	05613VC	1ENG PIST(1)	056161Y	1ENG PIST(1)	056167A	1ENG PIST(1)	05616CD
1ENG PIST(1)	05613M3	1ENG PIST(1)	05613VF	1ENG PIST(1)	0561620	1ENG PIST(1)	056167B	1ENG PIST(1)	05616CE
1ENG PIST(1)	05613MT	1ENG PIST(1)	05613VT	1ENG PIST(1)	0561622	1ENG PIST(1)	056167L	1ENG PIST(1)	05616CM
1ENG PIST(1)	05613MB	1ENG PIST(1)	05613W2	1ENG PIST(1)	0561624	1ENG PIST(1)	056167S	1ENG PIST(1)	05616CN
1ENG PIST(1)	05613MP	1ENG PIST(1)	05613W5	1ENG PIST(1)	0561627	1ENG PIST(1)	056167U	1ENG PIST(1)	05616CR
1ENG PIST(1)	05613MT	1ENG PIST(1)	05613WE	1ENG PIST(1)	056162A	1ENG PIST(1)	056167V	1ENG PIST(1)	05616CT
1ENG PIST(1)	05613MV	1ENG PIST(1)	05613WM	1ENG PIST(1)	056162C	1ENG PIST(1)	056167W	1ENG PIST(1)	05616D4
1ENG PIST(1)	05613N2	1ENG PIST(1)	05613WU	1ENG PIST(1)	056162H	1ENG PIST(1)	056168C	1ENG PIST(1)	05616D8
1ENG PIST(1)	05613NA	1ENG PIST(1)	05613WV	1ENG PIST(1)	056162M	1ENG PIST(1)	056168E	1ENG PIST(1)	05616D9
1ENG PIST(1)	05613NB	1ENG PIST(1)	05613X4	1ENG PIST(1)	056162P	1ENG PIST(1)	056168H	1ENG PIST(1)	05616DM
1ENG PIST(1)	05613NF	1ENG PIST(1)	05613X7	1ENG PIST(1)	056162W	1ENG PIST(1)	056168K	1ENG PIST(1)	05616DM
1ENG PIST(1)	05613NG	1ENG PIST(1)	05613XB	1ENG PIST(1)	056162X	1ENG PIST(1)	056168N	1ENG PIST(1)	05616DZ
1ENG PIST(1)	05613NN	1ENG PIST(1)	05613XL	1ENG PIST(1)	0561630	1ENG PIST(1)	056168P	1ENG PIST(1)	05616E4
1ENG PIST(1)	05613NR	1ENG PIST(1)	05613XM	1ENG PIST(1)	056163B	1ENG PIST(1)	056168Q	1ENG PIST(1)	05616E6
1ENG PIST(1)	05613PZ	1ENG PIST(1)	05613XP	1ENG PIST(1)	056163C	1ENG PIST(1)	056168R	1ENG PIST(1)	05616EG
1ENG PIST(1)	05613Q4	1ENG PIST(1)	05613XU	1ENG PIST(1)	056163S	1ENG PIST(1)	0561691	1ENG PIST(1)	05616EM
1ENG PIST(1)	05613Q6	1ENG PIST(1)	05613Y1	1ENG PIST(1)	056163T	1ENG PIST(1)	056169A	1ENG PIST(1)	05616ES
1ENG PIST(1)	05613QK	1ENG PIST(1)	05613Y4	1ENG PIST(1)	056163Z	1ENG PIST(1)	056169E	1ENG PIST(1)	05616EV
1ENG PIST(1)	05613QK	1ENG PIST(1)	05613Y8	1ENG PIST(1)	0561643	1ENG PIST(1)	056169K	1ENG PIST(1)	05616F5
1ENG PIST(1)	05613QQ	1ENG PIST(1)	05613YA	1ENG PIST(1)	056164D	1ENG PIST(1)	056169H	1ENG PIST(1)	05616F7
1ENG PIST(1)	05613QS	1ENG PIST(1)	05613YD	1ENG PIST(1)	056164H	1ENG PIST(1)	056169S	1ENG PIST(1)	05616FM
1ENG PIST(1)	05613QT	1ENG PIST(1)	05613YP	1ENG PIST(1)	056164L	1ENG PIST(1)	056169V	1ENG PIST(1)	05616FQ
1ENG PIST(1)	05613RC	1ENG PIST(1)	05613Z1	1ENG PIST(1)	056164S	1ENG PIST(1)	05616A5	1ENG PIST(1)	05616FR
1ENG PIST(1)	05613RU	1ENG PIST(1)	05613Z9	1ENG PIST(1)	056164X	1ENG PIST(1)	05616A8	1ENG PIST(1)	05616FS
1ENG PIST(1)	05613RV	1ENG PIST(1)	05613ZD	1ENG PIST(1)	056164Y	1ENG PIST(1)	05616A9	1ENG PIST(1)	05616FY
1ENG PIST(1)	05613RZ	1ENG PIST(1)	05613ZE	1ENG PIST(1)	056164Z	1ENG PIST(1)	05616AA	1ENG PIST(1)	05616FZ
1ENG PIST(1)	05613SD	1ENG PIST(1)	05613ZF	1ENG PIST(1)	0561654	1ENG PIST(1)	05616AB	1ENG PIST(1)	05616G2
1ENG PIST(1)	05613SG	1ENG PIST(1)	05613ZH	1ENG PIST(1)	056165R	1ENG PIST(1)	05616AE	1ENG PIST(1)	05616G6
1ENG PIST(1)	05613SH	1ENG PIST(1)	0561400	1ENG PIST(1)	056165X	1ENG PIST(1)	05616AM	1ENG PIST(1)	05616G9
1ENG PIST(1)	05613SJ	1ENG PIST(1)	05614A3	1ENG PIST(1)	0561662	1ENG PIST(1)	05616AP	1ENG PIST(1)	05616H2
1ENG PIST(1)	05613SM	1ENG PIST(1)	05614AB	1ENG PIST(1)	0561663	1ENG PIST(1)	05616AQ	1ENG PIST(1)	05616H3
1ENG PIST(1)	05613SR	1ENG PIST(1)	05615AJ	1ENG PIST(1)	0561664	1ENG PIST(1)	05616AU	1ENG PIST(1)	05616H4

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
TENG PIST(1)	05616HH	TENG PIST(1)	05616PY	TENG PIST(1)	05616UH	TENG PIST(1)	05616Z5
TENG PIST(1)	05616J3	TENG PIST(1)	05616PZ	TENG PIST(1)	05616UY	TENG PIST(1)	05616ZE
TENG PIST(1)	05616J8	TENG PIST(1)	05616Q1	TENG PIST(1)	05616UJ	TENG PIST(1)	05616ZJ
TENG PIST(1)	05616JC	TENG PIST(1)	05616Q3	TENG PIST(1)	05616V4	TENG PIST(1)	05616ZM
TENG PIST(1)	05616JU	TENG PIST(1)	05616Q6	TENG PIST(1)	05616V5	TENG PIST(1)	05616ZU
TENG PIST(1)	05616JX	TENG PIST(1)	05616QD	TENG PIST(1)	05616V7	TENG PIST(1)	05616ZV
TENG PIST(1)	05616JZ	TENG PIST(1)	05616QE	TENG PIST(1)	05616VC	TENG PIST(1)	05616ZX
TENG PIST(1)	05616K4	TENG PIST(1)	05616QT	TENG PIST(1)	05616VE	TENG PIST(1)	05616ZY
TENG PIST(1)	05616K5	TENG PIST(1)	05616QW	TENG PIST(1)	05616VK	TENG PIST(1)	05617AA
TENG PIST(1)	05616K6	TENG PIST(1)	05616R9	TENG PIST(1)	05616VW	TENG PIST(1)	05617AA
TENG PIST(1)	05616KF	TENG PIST(1)	05616RC	TENG PIST(1)	05616VS	TENG PIST(1)	0561801
TENG PIST(1)	05616KJ	TENG PIST(1)	05616RE	TENG PIST(1)	05616VU	TENG PIST(1)	0561806
TENG PIST(1)	05616KR	TENG PIST(1)	05616RH	TENG PIST(1)	05616VY	TENG PIST(1)	0561808
TENG PIST(1)	05616KS	TENG PIST(1)	05616RK	TENG PIST(1)	05616W5	TENG PIST(1)	0561810
TENG PIST(1)	05616KX	TENG PIST(1)	05616RM	TENG PIST(1)	05616W8	TENG PIST(1)	0561812
TENG PIST(1)	05616L1	TENG PIST(1)	05616RN	TENG PIST(1)	05616WA	TENG PIST(1)	0561816
TENG PIST(1)	05616L9	TENG PIST(1)	05616RU	TENG PIST(1)	05616WJ	TENG PIST(1)	056181D
TENG PIST(1)	05616LC	TENG PIST(1)	05616RX	TENG PIST(1)	05616WL	TENG PIST(1)	056181G
TENG PIST(1)	05616LH	TENG PIST(1)	05616S7	TENG PIST(1)	05616WR	TENG PIST(1)	056181H
TENG PIST(1)	05616LJ	TENG PIST(1)	05616S8	TENG PIST(1)	05616WY	TENG PIST(1)	056181K
TENG PIST(1)	05616LH	TENG PIST(1)	05616S9	TENG PIST(1)	05616WZ	TENG PIST(1)	056181L
TENG PIST(1)	05616LJ	TENG PIST(1)	05616SJ	TENG PIST(1)	05616WZ	TENG PIST(1)	056181M
TENG PIST(1)	05616LJ	TENG PIST(1)	05616SL	TENG PIST(1)	05616WZ	TENG PIST(1)	056181N
TENG PIST(1)	05616LJ	TENG PIST(1)	05616SR	TENG PIST(1)	05616X6	TENG PIST(1)	056181R
TENG PIST(1)	05616M8	TENG PIST(1)	05616T1	TENG PIST(1)	05616XC	TENG PIST(1)	056181R
TENG PIST(1)	05616MD	TENG PIST(1)	05616T6	TENG PIST(1)	05616XT	TENG PIST(1)	056181T
TENG PIST(1)	05616MR	TENG PIST(1)	05616T7	TENG PIST(1)	05616XV	TENG PIST(1)	056181U
TENG PIST(1)	05616N1	TENG PIST(1)	05616T8	TENG PIST(1)	05616XW	TENG PIST(1)	056181Z
TENG PIST(1)	05616N7	TENG PIST(1)	05616TB	TENG PIST(1)	05616Y1	TENG PIST(1)	0561821
TENG PIST(1)	05616N8	TENG PIST(1)	05616TB	TENG PIST(1)	05616Y2	TENG PIST(1)	0561823
TENG PIST(1)	05616N9	TENG PIST(1)	05616TC	TENG PIST(1)	05616Y8	TENG PIST(1)	0561828
TENG PIST(1)	05616NK	TENG PIST(1)	05616TE	TENG PIST(1)	05616Y8	TENG PIST(1)	056182P
TENG PIST(1)	05616NM	TENG PIST(1)	05616TL	TENG PIST(1)	05616YC	TENG PIST(1)	056182U
TENG PIST(1)	05616NP4	TENG PIST(1)	05616TR	TENG PIST(1)	05616YF	TENG PIST(1)	056182Y
TENG PIST(1)	05616P8	TENG PIST(1)	05616TY	TENG PIST(1)	05616YG	TENG PIST(1)	0561830
TENG PIST(1)	05616PA	TENG PIST(1)	05616TZ	TENG PIST(1)	05616VW	TENG PIST(1)	0561834
TENG PIST(1)	05616PD	TENG PIST(1)	05616U9	TENG PIST(1)	05616YH	TENG PIST(1)	0561837
TENG PIST(1)	05616PK	TENG PIST(1)	05616UA	TENG PIST(1)	05616YQ	TENG PIST(1)	0561838
TENG PIST(1)	05616PL	TENG PIST(1)	05616UB	TENG PIST(1)	05616YV	TENG PIST(1)	056183F
TENG PIST(1)	05616PV	TENG PIST(1)	05616UJ	TENG PIST(1)	05616VZ	TENG PIST(1)	056183G
TENG PIST(1)	05616PY	TENG PIST(1)	05616UM	TENG PIST(1)	05616Z1	TENG PIST(1)	056183H
TENG PIST(1)	05616PY	TENG PIST(1)	05616UV	TENG PIST(1)	05616Z3	TENG PIST(1)	056183N
TENG PIST(1)	05616PY	TENG PIST(1)	05616VJ	TENG PIST(1)	05616Z5	TENG PIST(1)	056183X
TENG PIST(1)	05616PY	TENG PIST(1)	05616VJ	TENG PIST(1)	05616Z5	TENG PIST(1)	056183X
TENG PIST(1)	05616PY	TENG PIST(1)	05616VJ	TENG PIST(1)	05616Z5	TENG PIST(1)	0561849

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05618W3	1ENG PIST(1)	05618ZC	1ENG PIST(1)	05620BY	1ENG PIST(1)	05620GS	1ENG PIST(1)	05620NK
1ENG PIST(1)	05618W5	1ENG PIST(1)	05618ZD	1ENG PIST(1)	05620CC	1ENG PIST(1)	05620GU	1ENG PIST(1)	05620NL
1ENG PIST(1)	05618W6	1ENG PIST(1)	05618ZE	1ENG PIST(1)	05620CD	1ENG PIST(1)	05620HC	1ENG PIST(1)	05620NR
1ENG PIST(1)	05618W7	1ENG PIST(1)	05618ZK	1ENG PIST(1)	05620CE	1ENG PIST(1)	05620HD	1ENG PIST(1)	05620NU
1ENG PIST(1)	05618W8	1ENG PIST(1)	05618ZM	1ENG PIST(1)	05620CG	1ENG PIST(1)	05620HF	1ENG PIST(1)	05620OV
1ENG PIST(1)	05618W9	1ENG PIST(1)	05618ZN	1ENG PIST(1)	05620CK	1ENG PIST(1)	05620HX	1ENG PIST(1)	05620NX
1ENG PIST(1)	05618WA	1ENG PIST(1)	0562007	1ENG PIST(1)	05620DA	1ENG PIST(1)	05620HL	1ENG PIST(1)	05620NY
1ENG PIST(1)	05618WB	1ENG PIST(1)	0562009	1ENG PIST(1)	05620DB	1ENG PIST(1)	05620HR	1ENG PIST(1)	05620NZ
1ENG PIST(1)	05618WC	1ENG PIST(1)	056201A	1ENG PIST(1)	05620DD	1ENG PIST(1)	05620HV	1ENG PIST(1)	05620PD
1ENG PIST(1)	05618WD	1ENG PIST(1)	056201F	1ENG PIST(1)	05620DF	1ENG PIST(1)	05620HZ	1ENG PIST(1)	05620PE
1ENG PIST(1)	05618WE	1ENG PIST(1)	056201H	1ENG PIST(1)	05620DN	1ENG PIST(1)	05620JA	1ENG PIST(1)	05620PG
1ENG PIST(1)	05618WF	1ENG PIST(1)	056201K	1ENG PIST(1)	05620DP	1ENG PIST(1)	05620JC	1ENG PIST(1)	05620PJ
1ENG PIST(1)	05618WG	1ENG PIST(1)	056201L	1ENG PIST(1)	05620DR	1ENG PIST(1)	05620JE	1ENG PIST(1)	05620PM
1ENG PIST(1)	05618WH	1ENG PIST(1)	056201N	1ENG PIST(1)	05620DS	1ENG PIST(1)	05620JG	1ENG PIST(1)	05620PP
1ENG PIST(1)	05618WI	1ENG PIST(1)	056201P	1ENG PIST(1)	05620DT	1ENG PIST(1)	05620JH	1ENG PIST(1)	05620PR
1ENG PIST(1)	05618WJ	1ENG PIST(1)	056201R	1ENG PIST(1)	05620DU	1ENG PIST(1)	05620JK	1ENG PIST(1)	05620PS
1ENG PIST(1)	05618WK	1ENG PIST(1)	056201S	1ENG PIST(1)	05620DW	1ENG PIST(1)	05620JL	1ENG PIST(1)	05620PT
1ENG PIST(1)	05618WL	1ENG PIST(1)	056201V	1ENG PIST(1)	05620EA	1ENG PIST(1)	05620JN	1ENG PIST(1)	05620PY
1ENG PIST(1)	05618WM	1ENG PIST(1)	056201W	1ENG PIST(1)	05620EB	1ENG PIST(1)	05620JT	1ENG PIST(1)	05620PH
1ENG PIST(1)	05618WN	1ENG PIST(1)	056201Z	1ENG PIST(1)	05620EH	1ENG PIST(1)	05620JV	1ENG PIST(1)	05620QK
1ENG PIST(1)	05618WO	1ENG PIST(1)	056202A	1ENG PIST(1)	05620EK	1ENG PIST(1)	05620KJ	1ENG PIST(1)	05620QL
1ENG PIST(1)	05618WP	1ENG PIST(1)	056202C	1ENG PIST(1)	05620EL	1ENG PIST(1)	05620KF	1ENG PIST(1)	05620QC
1ENG PIST(1)	05618WQ	1ENG PIST(1)	056202F	1ENG PIST(1)	05620EM	1ENG PIST(1)	05620KH	1ENG PIST(1)	05620QH
1ENG PIST(1)	05618WR	1ENG PIST(1)	056202M	1ENG PIST(1)	05620EN	1ENG PIST(1)	05620KM	1ENG PIST(1)	05620QJ
1ENG PIST(1)	05618WS	1ENG PIST(1)	056202N	1ENG PIST(1)	05620ES	1ENG PIST(1)	05620KV	1ENG PIST(1)	05620QN
1ENG PIST(1)	05618WT	1ENG PIST(1)	056202S	1ENG PIST(1)	05620ET	1ENG PIST(1)	05620KW	1ENG PIST(1)	05620QR
1ENG PIST(1)	05618WU	1ENG PIST(1)	056202T	1ENG PIST(1)	05620EU	1ENG PIST(1)	05620LH	1ENG PIST(1)	05620QT
1ENG PIST(1)	05618WV	1ENG PIST(1)	056202U	1ENG PIST(1)	05620EV	1ENG PIST(1)	05620LC	1ENG PIST(1)	05620QV
1ENG PIST(1)	05618WX	1ENG PIST(1)	056202V	1ENG PIST(1)	05620EY	1ENG PIST(1)	05620LJ	1ENG PIST(1)	05620QW
1ENG PIST(1)	05618WY	1ENG PIST(1)	056202Z	1ENG PIST(1)	05620EZ	1ENG PIST(1)	05620LH	1ENG PIST(1)	05620QX
1ENG PIST(1)	05618ZA	1ENG PIST(1)	056202Z	1ENG PIST(1)	05620FB	1ENG PIST(1)	05620LS	1ENG PIST(1)	05620QY
1ENG PIST(1)	05618ZB	1ENG PIST(1)	0562037	1ENG PIST(1)	05620FD	1ENG PIST(1)	05620LU	1ENG PIST(1)	05620RQ
1ENG PIST(1)	05618ZC	1ENG PIST(1)	05620AA	1ENG PIST(1)	05620FH	1ENG PIST(1)	05620LV	1ENG PIST(1)	05620RD
1ENG PIST(1)	05618ZD	1ENG PIST(1)	05620AB	1ENG PIST(1)	05620FL	1ENG PIST(1)	05620LX	1ENG PIST(1)	05620RF
1ENG PIST(1)	05618ZE	1ENG PIST(1)	05620AH	1ENG PIST(1)	05620FR	1ENG PIST(1)	05620LY	1ENG PIST(1)	05620RR
1ENG PIST(1)	05618ZF	1ENG PIST(1)	05620AN	1ENG PIST(1)	05620FW	1ENG PIST(1)	05620M	1ENG PIST(1)	05620RS
1ENG PIST(1)	05618ZG	1ENG PIST(1)	05620AQ	1ENG PIST(1)	05620FX	1ENG PIST(1)	05620ML	1ENG PIST(1)	05620RU
1ENG PIST(1)	05618ZH	1ENG PIST(1)	05620AR	1ENG PIST(1)	05620FA	1ENG PIST(1)	05620MR	1ENG PIST(1)	05620RV
1ENG PIST(1)	05618ZI	1ENG PIST(1)	05620BA	1ENG PIST(1)	05620FB	1ENG PIST(1)	05620MV	1ENG PIST(1)	05620RZ
1ENG PIST(1)	05618ZJ	1ENG PIST(1)	05620B8	1ENG PIST(1)	05620G	1ENG PIST(1)	05620MY	1ENG PIST(1)	05620SA
1ENG PIST(1)	05618ZK	1ENG PIST(1)	05620BG	1ENG PIST(1)	05620GC	1ENG PIST(1)	05620MX	1ENG PIST(1)	05620SB
1ENG PIST(1)	05618ZL	1ENG PIST(1)	05620BN	1ENG PIST(1)	05620GK	1ENG PIST(1)	05620NB	1ENG PIST(1)	05620SC
1ENG PIST(1)	05618ZM	1ENG PIST(1)	05620BS	1ENG PIST(1)	05620GR	1ENG PIST(1)	05620NC	1ENG PIST(1)	05620SN

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05620SQ	1ENG PIST(1)	05620XS	1ENG PIST(1)	056222L	1ENG PIST(1)	056226V	1ENG PIST(1)	05622AH
1ENG PIST(1)	05620SS	1ENG PIST(1)	05620XV	1ENG PIST(1)	056222N	1ENG PIST(1)	0562271	1ENG PIST(1)	05622AL
1ENG PIST(1)	05620ST	1ENG PIST(1)	05620XW	1ENG PIST(1)	056222S	1ENG PIST(1)	056227F	1ENG PIST(1)	05622AQ
1ENG PIST(1)	05620SU	1ENG PIST(1)	05620XY	1ENG PIST(1)	056222V	1ENG PIST(1)	056227G	1ENG PIST(1)	05622AR
1ENG PIST(1)	05620SW	1ENG PIST(1)	05620YB	1ENG PIST(1)	056222X	1ENG PIST(1)	056227H	1ENG PIST(1)	05622AS
1ENG PIST(1)	05620TA	1ENG PIST(1)	05620YD	1ENG PIST(1)	056223D	1ENG PIST(1)	056227J	1ENG PIST(1)	05622AT
1ENG PIST(1)	05620TC	1ENG PIST(1)	05620YF	1ENG PIST(1)	056223H	1ENG PIST(1)	056227K	1ENG PIST(1)	05622AV
1ENG PIST(1)	05620TG	1ENG PIST(1)	05620YG	1ENG PIST(1)	056223L	1ENG PIST(1)	056227L	1ENG PIST(1)	05622AW
1ENG PIST(1)	05620TH	1ENG PIST(1)	05620YH	1ENG PIST(1)	056223M	1ENG PIST(1)	056227M	1ENG PIST(1)	05622AY
1ENG PIST(1)	05620TM	1ENG PIST(1)	05620YR	1ENG PIST(1)	056223N	1ENG PIST(1)	056227N	1ENG PIST(1)	05622AZ
1ENG PIST(1)	05620TP	1ENG PIST(1)	05620YT	1ENG PIST(1)	056223Y	1ENG PIST(1)	056227U	1ENG PIST(1)	05622BG
1ENG PIST(1)	05620TR	1ENG PIST(1)	05620YW	1ENG PIST(1)	0562248	1ENG PIST(1)	056227V	1ENG PIST(1)	05622BH
1ENG PIST(1)	05620TU	1ENG PIST(1)	05620ZA	1ENG PIST(1)	056224A	1ENG PIST(1)	056227W	1ENG PIST(1)	05622BJ
1ENG PIST(1)	05620TW	1ENG PIST(1)	05620ZB	1ENG PIST(1)	0562248	1ENG PIST(1)	056227X	1ENG PIST(1)	05622BM
1ENG PIST(1)	05620TZ	1ENG PIST(1)	05620ZC	1ENG PIST(1)	056224C	1ENG PIST(1)	056227Z	1ENG PIST(1)	05622BR
1ENG PIST(1)	05620UA	1ENG PIST(1)	05620ZG	1ENG PIST(1)	056224D	1ENG PIST(1)	056228A	1ENG PIST(1)	05622BS
1ENG PIST(1)	05620UE	1ENG PIST(1)	05620ZL	1ENG PIST(1)	056224F	1ENG PIST(1)	056228B	1ENG PIST(1)	05622BT
1ENG PIST(1)	05620UF	1ENG PIST(1)	05620ZN	1ENG PIST(1)	056224G	1ENG PIST(1)	056228G	1ENG PIST(1)	05622BU
1ENG PIST(1)	05620UH	1ENG PIST(1)	05620ZP	1ENG PIST(1)	056224H	1ENG PIST(1)	056228H	1ENG PIST(1)	05622BY
1ENG PIST(1)	05620UJ	1ENG PIST(1)	05620ZQ	1ENG PIST(1)	056224Q	1ENG PIST(1)	056228J	1ENG PIST(1)	05622CB
1ENG PIST(1)	05620UK	1ENG PIST(1)	0562143	1ENG PIST(1)	056224R	1ENG PIST(1)	056228K	1ENG PIST(1)	05622CC
1ENG PIST(1)	05620UL	1ENG PIST(1)	0562151	1ENG PIST(1)	056224J	1ENG PIST(1)	056228L	1ENG PIST(1)	05622CE
1ENG PIST(1)	05620UN	1ENG PIST(1)	0562156	1ENG PIST(1)	056224Z	1ENG PIST(1)	056228T	1ENG PIST(1)	05622CJ
1ENG PIST(1)	05620UR	1ENG PIST(1)	0562160	1ENG PIST(1)	0562253	1ENG PIST(1)	056228V	1ENG PIST(1)	05622CK
1ENG PIST(1)	05620US	1ENG PIST(1)	0562186	1ENG PIST(1)	056225B	1ENG PIST(1)	056228W	1ENG PIST(1)	05622CK
1ENG PIST(1)	05620UU	1ENG PIST(1)	0562201	1ENG PIST(1)	056225E	1ENG PIST(1)	056228X	1ENG PIST(1)	05622CP
1ENG PIST(1)	05620UW	1ENG PIST(1)	056221C	1ENG PIST(1)	056225J	1ENG PIST(1)	056228Y	1ENG PIST(1)	05622CR
1ENG PIST(1)	05620UX	1ENG PIST(1)	056221D	1ENG PIST(1)	056225K	1ENG PIST(1)	056229B	1ENG PIST(1)	05622CW
1ENG PIST(1)	05620V	1ENG PIST(1)	056221H	1ENG PIST(1)	056225L	1ENG PIST(1)	056229C	1ENG PIST(1)	05622CX
1ENG PIST(1)	05620VB	1ENG PIST(1)	056221J	1ENG PIST(1)	056225M	1ENG PIST(1)	056229E	1ENG PIST(1)	05622CC
1ENG PIST(1)	05620VC	1ENG PIST(1)	056221L	1ENG PIST(1)	056225Q	1ENG PIST(1)	056229H	1ENG PIST(1)	05622DC
1ENG PIST(1)	05620VF	1ENG PIST(1)	056221R	1ENG PIST(1)	056225R	1ENG PIST(1)	056229K	1ENG PIST(1)	05622DD
1ENG PIST(1)	05620VJ	1ENG PIST(1)	056221U	1ENG PIST(1)	056225Y	1ENG PIST(1)	056229N	1ENG PIST(1)	05622DJ
1ENG PIST(1)	05620VK	1ENG PIST(1)	056221W	1ENG PIST(1)	0562268	1ENG PIST(1)	056229Q	1ENG PIST(1)	05622DK
1ENG PIST(1)	05620VL	1ENG PIST(1)	056221X	1ENG PIST(1)	056226A	1ENG PIST(1)	056229R	1ENG PIST(1)	05622DL
1ENG PIST(1)	05620VN	1ENG PIST(1)	056221Y	1ENG PIST(1)	0562268	1ENG PIST(1)	056229U	1ENG PIST(1)	05622DQ
1ENG PIST(1)	05620VW	1ENG PIST(1)	056222A	1ENG PIST(1)	056226C	1ENG PIST(1)	056229V	1ENG PIST(1)	05622DW
1ENG PIST(1)	05620VY	1ENG PIST(1)	056222B	1ENG PIST(1)	056226E	1ENG PIST(1)	056229Z	1ENG PIST(1)	05622DZ
1ENG PIST(1)	05620XA	1ENG PIST(1)	056222D	1ENG PIST(1)	056226J	1ENG PIST(1)	05622AA	1ENG PIST(1)	05622EB
1ENG PIST(1)	05620XC	1ENG PIST(1)	056222E	1ENG PIST(1)	056226K	1ENG PIST(1)	05622AB	1ENG PIST(1)	05622ED
1ENG PIST(1)	05620XE	1ENG PIST(1)	056222F	1ENG PIST(1)	056226N	1ENG PIST(1)	05622AC	1ENG PIST(1)	05622EK
1ENG PIST(1)	05620XN	1ENG PIST(1)	056222G	1ENG PIST(1)	056226R	1ENG PIST(1)	05622AE	1ENG PIST(1)	05622EL
1ENG PIST(1)	05620XQ	1ENG PIST(1)	056222J	1ENG PIST(1)	056226T	1ENG PIST(1)	05622AF	1ENG PIST(1)	05622EM

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05623ZU	1ENG PIST(1)	05624BR	1ENG PIST(1)	05624DT	1ENG PIST(1)	05624G5	1ENG PIST(1)	0562558
1ENG PIST(1)	05623ZV	1ENG PIST(1)	05624BS	1ENG PIST(1)	05624DV	1ENG PIST(1)	05624G6	1ENG PIST(1)	0562628
1ENG PIST(1)	05623ZY	1ENG PIST(1)	05624BU	1ENG PIST(1)	05624DX	1ENG PIST(1)	05624G9	1ENG PIST(1)	0562633
1ENG PIST(1)	05623ZZ	1ENG PIST(1)	05624BV	1ENG PIST(1)	05624E1	1ENG PIST(1)	05624GA	1ENG PIST(1)	0562644
1ENG PIST(1)	0562408	1ENG PIST(1)	05624BX	1ENG PIST(1)	05624E2	1ENG PIST(1)	05624GB	1ENG PIST(1)	0562653
1ENG PIST(1)	0562409	1ENG PIST(1)	05624BY	1ENG PIST(1)	05624E3	1ENG PIST(1)	05624GC	1ENG PIST(1)	0562657
1ENG PIST(1)	0562412	1ENG PIST(1)	05624C1	1ENG PIST(1)	05624E5	1ENG PIST(1)	05624GE	1ENG PIST(1)	0562668
1ENG PIST(1)	0562442	1ENG PIST(1)	05624C4	1ENG PIST(1)	05624E7	1ENG PIST(1)	05624GM	1ENG PIST(1)	0562688
1ENG PIST(1)	0562466	1ENG PIST(1)	05624C5	1ENG PIST(1)	05624E8	1ENG PIST(1)	05624GN	1ENG PIST(1)	0562689
1ENG PIST(1)	0562489	1ENG PIST(1)	05624C6	1ENG PIST(1)	05624E9	1ENG PIST(1)	05624GS	1ENG PIST(1)	0562703
1ENG PIST(1)	0562496	1ENG PIST(1)	05624C8	1ENG PIST(1)	05624EA	1ENG PIST(1)	05624GV	1ENG PIST(1)	0562722
1ENG PIST(1)	05624A1	1ENG PIST(1)	05624C9	1ENG PIST(1)	05624EB	1ENG PIST(1)	05624GX	1ENG PIST(1)	0562821
1ENG PIST(1)	05624A3	1ENG PIST(1)	05624CA	1ENG PIST(1)	05624ED	1ENG PIST(1)	05624GY	1ENG PIST(1)	0562823
1ENG PIST(1)	05624A5	1ENG PIST(1)	05624CD	1ENG PIST(1)	05624EF	1ENG PIST(1)	05624H1	1ENG PIST(1)	0562946
1ENG PIST(1)	05624A7	1ENG PIST(1)	05624CE	1ENG PIST(1)	05624EG	1ENG PIST(1)	05624H2	1ENG PIST(1)	0562948
1ENG PIST(1)	05624A9	1ENG PIST(1)	05624CF	1ENG PIST(1)	05624EH	1ENG PIST(1)	05624H3	1ENG PIST(1)	056299AU
1ENG PIST(1)	05624AB	1ENG PIST(1)	05624CG	1ENG PIST(1)	05624EJ	1ENG PIST(1)	05624H5	1ENG PIST(1)	056298C
1ENG PIST(1)	05624AE	1ENG PIST(1)	05624CH	1ENG PIST(1)	05624EK	1ENG PIST(1)	05624H8	1ENG PIST(1)	05629CJ
1ENG PIST(1)	05624AF	1ENG PIST(1)	05624CK	1ENG PIST(1)	05624EL	1ENG PIST(1)	05624HA	1ENG PIST(1)	05629DF
1ENG PIST(1)	05624AJ	1ENG PIST(1)	05624CL	1ENG PIST(1)	05624EN	1ENG PIST(1)	05624HB	1ENG PIST(1)	05629DL
1ENG PIST(1)	05624AL	1ENG PIST(1)	05624CN	1ENG PIST(1)	05624EO	1ENG PIST(1)	05624HC	1ENG PIST(1)	05631FN
1ENG PIST(1)	05624AQ	1ENG PIST(1)	05624CP	1ENG PIST(1)	05624ES	1ENG PIST(1)	05624HE	1ENG PIST(1)	05631FQ
1ENG PIST(1)	05624AR	1ENG PIST(1)	05624CR	1ENG PIST(1)	05624EW	1ENG PIST(1)	05624HF	1ENG PIST(1)	05631FS
1ENG PIST(1)	05624AS	1ENG PIST(1)	05624CS	1ENG PIST(1)	05624EX	1ENG PIST(1)	05624HL	1ENG PIST(1)	05631FW
1ENG PIST(1)	05624AT	1ENG PIST(1)	05624CW	1ENG PIST(1)	05624EY	1ENG PIST(1)	05624HR	1ENG PIST(1)	0563303
1ENG PIST(1)	05624AU	1ENG PIST(1)	05624D1	1ENG PIST(1)	05624EZ	1ENG PIST(1)	05624HV	1ENG PIST(1)	0563305
1ENG PIST(1)	05624AX	1ENG PIST(1)	05624D2	1ENG PIST(1)	05624F6	1ENG PIST(1)	05624HX	1ENG PIST(1)	0563314
1ENG PIST(1)	05624AW	1ENG PIST(1)	05624D4	1ENG PIST(1)	05624FA	1ENG PIST(1)	05624HZ	1ENG PIST(1)	0563321
1ENG PIST(1)	05624AY	1ENG PIST(1)	05624D5	1ENG PIST(1)	05624FB	1ENG PIST(1)	05624J2	1ENG PIST(1)	0563314
1ENG PIST(1)	05624B2	1ENG PIST(1)	05624D6	1ENG PIST(1)	05624FC	1ENG PIST(1)	05624JZ	1ENG PIST(1)	056341C
1ENG PIST(1)	05624B1	1ENG PIST(1)	05624D8	1ENG PIST(1)	05624FE	1ENG PIST(1)	05624JE	1ENG PIST(1)	056341F
1ENG PIST(1)	05624B2	1ENG PIST(1)	05624DA	1ENG PIST(1)	05624FF	1ENG PIST(1)	05624JG	1ENG PIST(1)	056341H
1ENG PIST(1)	05624B3	1ENG PIST(1)	05624DD	1ENG PIST(1)	05624FG	1ENG PIST(1)	05624JL	1ENG PIST(1)	056341I
1ENG PIST(1)	05624B5	1ENG PIST(1)	05624DF	1ENG PIST(1)	05624FH	1ENG PIST(1)	05624JT	1ENG PIST(1)	056341K
1ENG PIST(1)	05624B6	1ENG PIST(1)	05624DG	1ENG PIST(1)	05624FK	1ENG PIST(1)	05624JV	1ENG PIST(1)	056341N
1ENG PIST(1)	05624BA	1ENG PIST(1)	05624DJ	1ENG PIST(1)	05624FL	1ENG PIST(1)	05624JY	1ENG PIST(1)	056341Y
1ENG PIST(1)	05624BB	1ENG PIST(1)	05624DK	1ENG PIST(1)	05624FU	1ENG PIST(1)	05624KZ	1ENG PIST(1)	056341Z
1ENG PIST(1)	05624BF	1ENG PIST(1)	05624DL	1ENG PIST(1)	05624FV	1ENG PIST(1)	05624LZ	1ENG PIST(1)	056342F
1ENG PIST(1)	05624B8	1ENG PIST(1)	05624DM	1ENG PIST(1)	05624FX	1ENG PIST(1)	05624M	1ENG PIST(1)	056342H
1ENG PIST(1)	05624B9	1ENG PIST(1)	05624DP	1ENG PIST(1)	05624FY	1ENG PIST(1)	05624N	1ENG PIST(1)	056342Q
1ENG PIST(1)	05624BK	1ENG PIST(1)	05624DQ	1ENG PIST(1)	05624FZ	1ENG PIST(1)	0562502	1ENG PIST(1)	056342R
1ENG PIST(1)	05624BL	1ENG PIST(1)	05624DS	1ENG PIST(1)		1ENG PIST(1)	0562527	1ENG PIST(1)	056342T
1ENG PIST(1)	05624BQ	1ENG PIST(1)		1ENG PIST(1)		1ENG PIST(1)		1ENG PIST(1)	056342X

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	0563432	1ENG PIST(1)	0563677	1ENG PIST(1)	05644EF	1ENG PIST(1)	05644QN	1ENG PIST(1)	0564518
1ENG PIST(1)	0563434	1ENG PIST(1)	0563694	1ENG PIST(1)	05644EH	1ENG PIST(1)	05644QP	1ENG PIST(1)	0564520
1ENG PIST(1)	0563448	1ENG PIST(1)	0563695	1ENG PIST(1)	05644EH	1ENG PIST(1)	05644QP	1ENG PIST(1)	0564547
1ENG PIST(1)	0563450	1ENG PIST(1)	0563699	1ENG PIST(1)	05644EY	1ENG PIST(1)	05644DX	1ENG PIST(1)	0564578
1ENG PIST(1)	0563454	1ENG PIST(1)	0563901	1ENG PIST(1)	05644FX	1ENG PIST(1)	05644RA	1ENG PIST(1)	0564589
1ENG PIST(1)	0563472	1ENG PIST(1)	0564016	1ENG PIST(1)	05644FZ	1ENG PIST(1)	05644RC	1ENG PIST(1)	05645A2
1ENG PIST(1)	0563477	1ENG PIST(1)	0564018	1ENG PIST(1)	05644GC	1ENG PIST(1)	05644RD	1ENG PIST(1)	05645A3
1ENG PIST(1)	0563496	1ENG PIST(1)	0564027	1ENG PIST(1)	05644GH	1ENG PIST(1)	05644RJ	1ENG PIST(1)	05645A7
1ENG PIST(1)	05634AC	1ENG PIST(1)	0564030	1ENG PIST(1)	05644GS	1ENG PIST(1)	05644RQ	1ENG PIST(1)	05645A8
1ENG PIST(1)	0563526	1ENG PIST(1)	0564031	1ENG PIST(1)	05644GU	1ENG PIST(1)	05644RR	1ENG PIST(1)	05645B1
1ENG PIST(1)	0563565	1ENG PIST(1)	0564035	1ENG PIST(1)	05644GV	1ENG PIST(1)	05644RT	1ENG PIST(1)	05645BP
1ENG PIST(1)	0563575	1ENG PIST(1)	0564036	1ENG PIST(1)	05644GW	1ENG PIST(1)	05644RW	1ENG PIST(1)	05645B2
1ENG PIST(1)	05635A6	1ENG PIST(1)	0564038	1ENG PIST(1)	05644GZ	1ENG PIST(1)	05644SA	1ENG PIST(1)	05645C3
1ENG PIST(1)	05635A9	1ENG PIST(1)	0564039	1ENG PIST(1)	05644HA	1ENG PIST(1)	05644SB	1ENG PIST(1)	05645C4
1ENG PIST(1)	05635B9	1ENG PIST(1)	0564104	1ENG PIST(1)	05644HR	1ENG PIST(1)	05644SC	1ENG PIST(1)	05645C7
1ENG PIST(1)	05635C5	1ENG PIST(1)	0564204	1ENG PIST(1)	05644HS	1ENG PIST(1)	05644SJ	1ENG PIST(1)	05645C8
1ENG PIST(1)	05635D5	1ENG PIST(1)	0564208	1ENG PIST(1)	05644HP	1ENG PIST(1)	05644SK	1ENG PIST(1)	05645C9
1ENG PIST(1)	05635D6	1ENG PIST(1)	0564217	1ENG PIST(1)	05644JP	1ENG PIST(1)	05644SN	1ENG PIST(1)	05645CC
1ENG PIST(1)	05635D8	1ENG PIST(1)	0564224	1ENG PIST(1)	05644KA	1ENG PIST(1)	05644SQ	1ENG PIST(1)	05645CP
1ENG PIST(1)	05635E2	1ENG PIST(1)	0564225	1ENG PIST(1)	05644KC	1ENG PIST(1)	05644ST	1ENG PIST(1)	05645CS
1ENG PIST(1)	05635F5	1ENG PIST(1)	0564227	1ENG PIST(1)	05644KD	1ENG PIST(1)	05644SY	1ENG PIST(1)	05645CU
1ENG PIST(1)	05635F9	1ENG PIST(1)	0564231	1ENG PIST(1)	05644KE	1ENG PIST(1)	05644SZ	1ENG PIST(1)	05645CX
1ENG PIST(1)	05635G2	1ENG PIST(1)	0564404	1ENG PIST(1)	05644KS	1ENG PIST(1)	05644TC	1ENG PIST(1)	05645D6
1ENG PIST(1)	05635G3	1ENG PIST(1)	0564418	1ENG PIST(1)	05644KT	1ENG PIST(1)	05644TE	1ENG PIST(1)	05645DY
1ENG PIST(1)	05635H2	1ENG PIST(1)	0564482	1ENG PIST(1)	05644KU	1ENG PIST(1)	05644TJ	1ENG PIST(1)	05645E2
1ENG PIST(1)	05635H3	1ENG PIST(1)	0564490	1ENG PIST(1)	05644KX	1ENG PIST(1)	05644TK	1ENG PIST(1)	05645E8
1ENG PIST(1)	05635H7	1ENG PIST(1)	05644AC	1ENG PIST(1)	05644L1	1ENG PIST(1)	05644TL	1ENG PIST(1)	05645EB
1ENG PIST(1)	05635H8	1ENG PIST(1)	05644AG	1ENG PIST(1)	05644LH	1ENG PIST(1)	05644TP	1ENG PIST(1)	05645ED
1ENG PIST(1)	05635JA	1ENG PIST(1)	05644AY	1ENG PIST(1)	05644LK	1ENG PIST(1)	05644TR	1ENG PIST(1)	05645EK
1ENG PIST(1)	05635JA	1ENG PIST(1)	05644BU	1ENG PIST(1)	05644LM	1ENG PIST(1)	05644TR	1ENG PIST(1)	05645EQ
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644CA	1ENG PIST(1)	05644LP	1ENG PIST(1)	05644TZ	1ENG PIST(1)	05645F4
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644CD	1ENG PIST(1)	05644LQ	1ENG PIST(1)	05644UJ	1ENG PIST(1)	05645F6
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644CH	1ENG PIST(1)	05644LZ	1ENG PIST(1)	05644UF	1ENG PIST(1)	05645F7
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644CT	1ENG PIST(1)	05644ME	1ENG PIST(1)	05644UH	1ENG PIST(1)	05645F8
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644D2	1ENG PIST(1)	05644ML	1ENG PIST(1)	05644UJ	1ENG PIST(1)	05645F9
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644D4	1ENG PIST(1)	05644NT	1ENG PIST(1)	05644UL	1ENG PIST(1)	05645FN
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644D5	1ENG PIST(1)	05644NX	1ENG PIST(1)	05644VJ	1ENG PIST(1)	05645FX
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644D6	1ENG PIST(1)	05644PH	1ENG PIST(1)	05644VC	1ENG PIST(1)	05645G2
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644D8	1ENG PIST(1)	05644QE	1ENG PIST(1)	05644VJ	1ENG PIST(1)	05645G4
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644DQ	1ENG PIST(1)	05644QH	1ENG PIST(1)	05644VF	1ENG PIST(1)	05645G6
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644EA	1ENG PIST(1)	05644QL	1ENG PIST(1)	05644VJ	1ENG PIST(1)	05645GR
1ENG PIST(1)	05635J8	1ENG PIST(1)	05644EA	1ENG PIST(1)	05644QL	1ENG PIST(1)	05644VJ	1ENG PIST(1)	05645GR

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05645H1	1ENG PIST(1)	05645SY	1ENG PIST(1)	05646BG	1ENG PIST(1)	05647LT	1ENG PIST(1)	056483A
1ENG PIST(1)	05645H4	1ENG PIST(1)	05645TU	1ENG PIST(1)	05646BN	1ENG PIST(1)	05647LV	1ENG PIST(1)	056483B
1ENG PIST(1)	05645H9	1ENG PIST(1)	05645UW	1ENG PIST(1)	05646BW	1ENG PIST(1)	05647ME	1ENG PIST(1)	0564846
1ENG PIST(1)	05645HB	1ENG PIST(1)	05645UY	1ENG PIST(1)	05646BX	1ENG PIST(1)	05647MN	1ENG PIST(1)	0564849
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1ENG PIST(1)	05645J7	1ENG PIST(1)	05645VE	1ENG PIST(1)	05646BZ	1ENG PIST(1)	05647NK	1ENG PIST(1)	0564870
1ENG PIST(1)	05645JD	1ENG PIST(1)	05645VK	1ENG PIST(1)	05646CE	1ENG PIST(1)	05647PC	1ENG PIST(1)	0564878
1ENG PIST(1)	05645JU	1ENG PIST(1)	05645VQ	1ENG PIST(1)	05646CG	1ENG PIST(1)	05647PP	1ENG PIST(1)	05648AB
1ENG PIST(1)	05645K5	1ENG PIST(1)	05645VT	1ENG PIST(1)	05646DG	1ENG PIST(1)	05647PX	1ENG PIST(1)	05648AU
1ENG PIST(1)	05645K6	1ENG PIST(1)	05645VZ	1ENG PIST(1)	05646DJ	1ENG PIST(1)	05647QM	1ENG PIST(1)	0564884
1ENG PIST(1)	05645K7	1ENG PIST(1)	05645WD	1ENG PIST(1)	05646DX	1ENG PIST(1)	05647RU	1ENG PIST(1)	05648BA
1ENG PIST(1)	05645K8	1ENG PIST(1)	05645WF	1ENG PIST(1)	05646DY	1ENG PIST(1)	05647RV	1ENG PIST(1)	05648BP
1ENG PIST(1)	05645K9	1ENG PIST(1)	05645WP	1ENG PIST(1)	05646EF	1ENG PIST(1)	05647TG	1ENG PIST(1)	05648BS
1ENG PIST(1)	05645L1	1ENG PIST(1)	05645WT	1ENG PIST(1)	05646EG	1ENG PIST(1)	05647TR	1ENG PIST(1)	05648BT
1ENG PIST(1)	05645L2	1ENG PIST(1)	05645WV	1ENG PIST(1)	05646EH	1ENG PIST(1)	05647VK	1ENG PIST(1)	05648BV
1ENG PIST(1)	05645L3	1ENG PIST(1)	05645WW	1ENG PIST(1)	05646EL	1ENG PIST(1)	05647VW	1ENG PIST(1)	05648BZ
1ENG PIST(1)	05645LD	1ENG PIST(1)	05645WX	1ENG PIST(1)	05646EM	1ENG PIST(1)	05647WV	1ENG PIST(1)	05648CB
1ENG PIST(1)	05645LE	1ENG PIST(1)	05645XC	1ENG PIST(1)	05646EP	1ENG PIST(1)	05647WY	1ENG PIST(1)	05648CJ
1ENG PIST(1)	05645LG	1ENG PIST(1)	05645XM	1ENG PIST(1)	05646EZ	1ENG PIST(1)	05647XW	1ENG PIST(1)	05648CZ
1ENG PIST(1)	05645LJ	1ENG PIST(1)	05645XR	1ENG PIST(1)	05646FB	1ENG PIST(1)	05647ZB	1ENG PIST(1)	05648DF
1ENG PIST(1)	05645LN	1ENG PIST(1)	05645YB	1ENG PIST(1)	05646FF	1ENG PIST(1)	05647ZE	1ENG PIST(1)	05648E8
1ENG PIST(1)	05645LR	1ENG PIST(1)	05645YK	1ENG PIST(1)	05646FG	1ENG PIST(1)	05647ZM	1ENG PIST(1)	05648EM
1ENG PIST(1)	05645M9	1ENG PIST(1)	05645YN	1ENG PIST(1)	05646FR	1ENG PIST(1)	05647ZR	1ENG PIST(1)	05648EW
1ENG PIST(1)	05645MD	1ENG PIST(1)	05645YP	1ENG PIST(1)	05647FE	1ENG PIST(1)	05647ZZ	1ENG PIST(1)	05648EZ
1ENG PIST(1)	05645NF	1ENG PIST(1)	05645YY	1ENG PIST(1)	05647FQ	1ENG PIST(1)	0564815	1ENG PIST(1)	05648GC
1ENG PIST(1)	05645NH	1ENG PIST(1)	05645ZC	1ENG PIST(1)	05647FA	1ENG PIST(1)	0564819	1ENG PIST(1)	05648GQ
1ENG PIST(1)	05645PH	1ENG PIST(1)	0564604	1ENG PIST(1)	05647FB	1ENG PIST(1)	056481C	1ENG PIST(1)	05648GW
1ENG PIST(1)	05645QH	1ENG PIST(1)	0564616	1ENG PIST(1)	05647FD	1ENG PIST(1)	056481D	1ENG PIST(1)	05648GZ
1ENG PIST(1)	05645QR	1ENG PIST(1)	0564629	1ENG PIST(1)	05647FE	1ENG PIST(1)	056481G	1ENG PIST(1)	05648H1
1ENG PIST(1)	05645QT	1ENG PIST(1)	0564657	1ENG PIST(1)	05647FK	1ENG PIST(1)	056481H	1ENG PIST(1)	05648H5
1ENG PIST(1)	05645RG	1ENG PIST(1)	0564661	1ENG PIST(1)	05647FL	1ENG PIST(1)	056481N	1ENG PIST(1)	05648H7
1ENG PIST(1)	05645RL	1ENG PIST(1)	0564667	1ENG PIST(1)	05647FS	1ENG PIST(1)	056482B	1ENG PIST(1)	05648HQ
1ENG PIST(1)	05645RR	1ENG PIST(1)	0564671	1ENG PIST(1)	05647FT	1ENG PIST(1)	056482C	1ENG PIST(1)	05648HT
1ENG PIST(1)	05645RW	1ENG PIST(1)	0564673	1ENG PIST(1)	05647GZ	1ENG PIST(1)	056482J	1ENG PIST(1)	05648JK
1ENG PIST(1)	05645SD	1ENG PIST(1)	0564674	1ENG PIST(1)	05647H	1ENG PIST(1)	056482K	1ENG PIST(1)	05648JU
1ENG PIST(1)	05645SF	1ENG PIST(1)	0564694	1ENG PIST(1)	05647V	1ENG PIST(1)	056482L	1ENG PIST(1)	05648KA
1ENG PIST(1)	05645SG	1ENG PIST(1)	0564699	1ENG PIST(1)	05647W	1ENG PIST(1)	056482M	1ENG PIST(1)	05648KE
1ENG PIST(1)	05645SN	1ENG PIST(1)	05646AB	1ENG PIST(1)	05647X	1ENG PIST(1)	056482N	1ENG PIST(1)	05648KJ
1ENG PIST(1)	05645SV	1ENG PIST(1)	05646AD	1ENG PIST(1)	05647Y	1ENG PIST(1)	056482P	1ENG PIST(1)	05648KR
1ENG PIST(1)	05645SW	1ENG PIST(1)	05646AW	1ENG PIST(1)	05647Z	1ENG PIST(1)	056482Q	1ENG PIST(1)	05648LC
1ENG PIST(1)	05645SH	1ENG PIST(1)	05646AY	1ENG PIST(1)	05647LL	1ENG PIST(1)	056482Y	1ENG PIST(1)	05648LG
1ENG PIST(1)	05645SH	1ENG PIST(1)	05646AY	1ENG PIST(1)	05647LL	1ENG PIST(1)	056482Y	1ENG PIST(1)	05648LH

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05648LJ	1ENG PIST(1)	05648U6	1ENG PIST(1)	05648ZV	1ENG PIST(1)	0565056	1ENG PIST(1)	0565388
1ENG PIST(1)	05648M2	1ENG PIST(1)	05648U8	1ENG PIST(1)	05648ZX	1ENG PIST(1)	0565065	1ENG PIST(1)	0565392
1ENG PIST(1)	05648M7	1ENG PIST(1)	05648UD	1ENG PIST(1)	05648ZY	1ENG PIST(1)	0565070	1ENG PIST(1)	05653A5
1ENG PIST(1)	05648M8	1ENG PIST(1)	05648UF	1ENG PIST(1)	0564909	1ENG PIST(1)	0565077	1ENG PIST(1)	05653B6
1ENG PIST(1)	05648MD	1ENG PIST(1)	05648UK	1ENG PIST(1)	0564939	1ENG PIST(1)	0565080	1ENG PIST(1)	05653C1
1ENG PIST(1)	05648MF	1ENG PIST(1)	05648UV	1ENG PIST(1)	0564944	1ENG PIST(1)	0565096	1ENG PIST(1)	05653C9
1ENG PIST(1)	05648N9	1ENG PIST(1)	05648WU	1ENG PIST(1)	0564946	1ENG PIST(1)	0565098	1ENG PIST(1)	05653E1
1ENG PIST(1)	05648N8	1ENG PIST(1)	05648V3	1ENG PIST(1)	0564961	1ENG PIST(1)	0565084	1ENG PIST(1)	05653E2
1ENG PIST(1)	05648N6	1ENG PIST(1)	05648V8	1ENG PIST(1)	0564966	1ENG PIST(1)	0565085	1ENG PIST(1)	05653G1
1ENG PIST(1)	05648N1	1ENG PIST(1)	05648VF	1ENG PIST(1)	0564967	1ENG PIST(1)	05650C2	1ENG PIST(1)	05653G3
1ENG PIST(1)	05648P1	1ENG PIST(1)	05648VJ	1ENG PIST(1)	0564980	1ENG PIST(1)	05650D7	1ENG PIST(1)	05653H2
1ENG PIST(1)	05648P4	1ENG PIST(1)	05648VR	1ENG PIST(1)	0564984	1ENG PIST(1)	05650F6	1ENG PIST(1)	05653H3
1ENG PIST(1)	05648P6	1ENG PIST(1)	05648VX	1ENG PIST(1)	0564990	1ENG PIST(1)	05650H5	1ENG PIST(1)	05653J1
1ENG PIST(1)	05648PL	1ENG PIST(1)	05648VZ	1ENG PIST(1)	0564991	1ENG PIST(1)	05650K6	1ENG PIST(1)	05653J3
1ENG PIST(1)	05648PR	1ENG PIST(1)	05648W4	1ENG PIST(1)	0564998	1ENG PIST(1)	05650L4	1ENG PIST(1)	05653J5
1ENG PIST(1)	05648PV	1ENG PIST(1)	05648W6	1ENG PIST(1)	05649AD	1ENG PIST(1)	05650L9	1ENG PIST(1)	05653J9
1ENG PIST(1)	05648P5	1ENG PIST(1)	05648WF	1ENG PIST(1)	05649AL	1ENG PIST(1)	05650M4	1ENG PIST(1)	05653K1
1ENG PIST(1)	05648Q1	1ENG PIST(1)	05648WH	1ENG PIST(1)	05649AS	1ENG PIST(1)	05650M8	1ENG PIST(1)	05653K3
1ENG PIST(1)	05648Q1	1ENG PIST(1)	05648WK	1ENG PIST(1)	05649AU	1ENG PIST(1)	05650N1	1ENG PIST(1)	05653K6
1ENG PIST(1)	05648Q1	1ENG PIST(1)	05648WM	1ENG PIST(1)	05649AY	1ENG PIST(1)	05650P1	1ENG PIST(1)	05653L2
1ENG PIST(1)	05648Q1	1ENG PIST(1)	05648WP	1ENG PIST(1)	05649BC	1ENG PIST(1)	05650P4	1ENG PIST(1)	05653L4
1ENG PIST(1)	05648R3	1ENG PIST(1)	05648X1	1ENG PIST(1)	05649BF	1ENG PIST(1)	05650P6	1ENG PIST(1)	05653L7
1ENG PIST(1)	05648RC	1ENG PIST(1)	05648XE	1ENG PIST(1)	05649BH	1ENG PIST(1)	05650P8	1ENG PIST(1)	05653M1
1ENG PIST(1)	05648RH	1ENG PIST(1)	05648XG	1ENG PIST(1)	05649BM	1ENG PIST(1)	05650Q2	1ENG PIST(1)	05653M3
1ENG PIST(1)	05648RL	1ENG PIST(1)	05648XJ	1ENG PIST(1)	05649BS	1ENG PIST(1)	0565105	1ENG PIST(1)	05653M5
1ENG PIST(1)	05648RQ	1ENG PIST(1)	05648XL	1ENG PIST(1)	05649CA	1ENG PIST(1)	0565106	1ENG PIST(1)	0565436
1ENG PIST(1)	05648RR	1ENG PIST(1)	05648XS	1ENG PIST(1)	05649CF	1ENG PIST(1)	0565133	1ENG PIST(1)	0565439
1ENG PIST(1)	05648RY	1ENG PIST(1)	05648Y2	1ENG PIST(1)	05649CP	1ENG PIST(1)	0565135	1ENG PIST(1)	0565440
1ENG PIST(1)	05648S9	1ENG PIST(1)	05648Y9	1ENG PIST(1)	05649CR	1ENG PIST(1)	0565141	1ENG PIST(1)	0565441
1ENG PIST(1)	05648SD	1ENG PIST(1)	05648Y8	1ENG PIST(1)	05649CW	1ENG PIST(1)	0565207	1ENG PIST(1)	0565444
1ENG PIST(1)	05648SE	1ENG PIST(1)	05648YH	1ENG PIST(1)	05649DA	1ENG PIST(1)	0565217	1ENG PIST(1)	0565512
1ENG PIST(1)	05648SJ	1ENG PIST(1)	05648YP	1ENG PIST(1)	05649DC	1ENG PIST(1)	0565222	1ENG PIST(1)	0565518
1ENG PIST(1)	05648SS	1ENG PIST(1)	05648YS	1ENG PIST(1)	05649DH	1ENG PIST(1)	0565224	1ENG PIST(1)	0565522
1ENG PIST(1)	05648SV	1ENG PIST(1)	05648YT	1ENG PIST(1)	05649DJ	1ENG PIST(1)	0565226	1ENG PIST(1)	0565551
1ENG PIST(1)	05648SZ	1ENG PIST(1)	05648Z6	1ENG PIST(1)	05649DK	1ENG PIST(1)	0565234	1ENG PIST(1)	056555U
1ENG PIST(1)	05648TH	1ENG PIST(1)	05648Z2	1ENG PIST(1)	05649DL	1ENG PIST(1)	0565318	1ENG PIST(1)	056555Y
1ENG PIST(1)	05648TL	1ENG PIST(1)	05648ZC	1ENG PIST(1)	0565002	1ENG PIST(1)	0565328	1ENG PIST(1)	0565560
1ENG PIST(1)	05648TN	1ENG PIST(1)	05648ZL	1ENG PIST(1)	0565033	1ENG PIST(1)	0565330	1ENG PIST(1)	056556F
1ENG PIST(1)	05648TW	1ENG PIST(1)	05648ZR	1ENG PIST(1)	0565038	1ENG PIST(1)	0565360	1ENG PIST(1)	056556S
1ENG PIST(1)	05648U3	1ENG PIST(1)	05648ZS	1ENG PIST(1)	0565047	1ENG PIST(1)	0565364	1ENG PIST(1)	056556U
1ENG PIST(1)		1ENG PIST(1)	05648Z5	1ENG PIST(1)	0565052	1ENG PIST(1)	0565385	1ENG PIST(1)	056556X

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05658KH	1ENG PIST(1)	05658UW	1ENG PIST(1)	056595Q	1ENG PIST(1)	05659PX	1ENG PIST(1)	05659Y9
1ENG PIST(1)	05658KL	1ENG PIST(1)	05658VJ	1ENG PIST(1)	056595Y	1ENG PIST(1)	05659PY	1ENG PIST(1)	05659Z8
1ENG PIST(1)	05658KX	1ENG PIST(1)	05658WM	1ENG PIST(1)	056596A	1ENG PIST(1)	05659QF	1ENG PIST(1)	0566008
1ENG PIST(1)	05658KZ	1ENG PIST(1)	05658XN	1ENG PIST(1)	056596C	1ENG PIST(1)	05659QJ	1ENG PIST(1)	0566013
1ENG PIST(1)	05658LA	1ENG PIST(1)	05658VP	1ENG PIST(1)	056596E	1ENG PIST(1)	05659QK	1ENG PIST(1)	0566018
1ENG PIST(1)	05658LD	1ENG PIST(1)	05658VS	1ENG PIST(1)	056596M	1ENG PIST(1)	05659QM	1ENG PIST(1)	0566052
1ENG PIST(1)	05658LE	1ENG PIST(1)	05658VT	1ENG PIST(1)	056596N	1ENG PIST(1)	05659QN	1ENG PIST(1)	0566070
1ENG PIST(1)	05658LQ	1ENG PIST(1)	05658VY	1ENG PIST(1)	056596G	1ENG PIST(1)	05659QP	1ENG PIST(1)	0566072
1ENG PIST(1)	05658LU	1ENG PIST(1)	05658VZ	1ENG PIST(1)	056596R	1ENG PIST(1)	05659QR	1ENG PIST(1)	0566073
1ENG PIST(1)	05658LV	1ENG PIST(1)	05658WA	1ENG PIST(1)	056597C	1ENG PIST(1)	05659QU	1ENG PIST(1)	0566074
1ENG PIST(1)	05658ME	1ENG PIST(1)	05658WB	1ENG PIST(1)	056597E	1ENG PIST(1)	05659RB	1ENG PIST(1)	0566082
1ENG PIST(1)	05658ML	1ENG PIST(1)	05658WE	1ENG PIST(1)	056597M	1ENG PIST(1)	05659RF	1ENG PIST(1)	0566083
1ENG PIST(1)	05658MN	1ENG PIST(1)	05658WG	1ENG PIST(1)	056597V	1ENG PIST(1)	05659RK	1ENG PIST(1)	0566112
1ENG PIST(1)	05658MR	1ENG PIST(1)	05658WJ	1ENG PIST(1)	056598D	1ENG PIST(1)	05659RU	1ENG PIST(1)	0566136
1ENG PIST(1)	05658MU	1ENG PIST(1)	05658WM	1ENG PIST(1)	056598L	1ENG PIST(1)	05659RZ	1ENG PIST(1)	0566144
1ENG PIST(1)	05658MX	1ENG PIST(1)	05658WV	1ENG PIST(1)	056598N	1ENG PIST(1)	05659S6	1ENG PIST(1)	0566148
1ENG PIST(1)	05658MZ	1ENG PIST(1)	05658XA	1ENG PIST(1)	056598V	1ENG PIST(1)	05659S8	1ENG PIST(1)	0566169
1ENG PIST(1)	05658NA	1ENG PIST(1)	05658XK	1ENG PIST(1)	0565999	1ENG PIST(1)	05659SH	1ENG PIST(1)	0566195
1ENG PIST(1)	05658NB	1ENG PIST(1)	05658XD	1ENG PIST(1)	056599V	1ENG PIST(1)	05659S9	1ENG PIST(1)	0566190
1ENG PIST(1)	05658NM	1ENG PIST(1)	0565910	1ENG PIST(1)	056599X	1ENG PIST(1)	05659T9	1ENG PIST(1)	0566221
1ENG PIST(1)	05658NQ	1ENG PIST(1)	0565914	1ENG PIST(1)	056599Z	1ENG PIST(1)	05659T9	1ENG PIST(1)	0566224
1ENG PIST(1)	05658NX	1ENG PIST(1)	056591L	1ENG PIST(1)	05659A7	1ENG PIST(1)	05659TA	1ENG PIST(1)	0566336
1ENG PIST(1)	05658NY	1ENG PIST(1)	056591Z	1ENG PIST(1)	05659AD	1ENG PIST(1)	05659TB	1ENG PIST(1)	0566340
1ENG PIST(1)	05658PA	1ENG PIST(1)	056592P	1ENG PIST(1)	05659AE	1ENG PIST(1)	05659TC	1ENG PIST(1)	0566345
1ENG PIST(1)	05658PC	1ENG PIST(1)	056592S	1ENG PIST(1)	05659AF	1ENG PIST(1)	05659TD	1ENG PIST(1)	0566351
1ENG PIST(1)	05658PD	1ENG PIST(1)	0565934	1ENG PIST(1)	05659AN	1ENG PIST(1)	05659TE	1ENG PIST(1)	0566363
1ENG PIST(1)	05658PG	1ENG PIST(1)	056593H	1ENG PIST(1)	05659B1	1ENG PIST(1)	05659TH	1ENG PIST(1)	0566366
1ENG PIST(1)	05658PP	1ENG PIST(1)	056593K	1ENG PIST(1)	05659D4	1ENG PIST(1)	05659TJ	1ENG PIST(1)	0566373
1ENG PIST(1)	05658RF	1ENG PIST(1)	056593M	1ENG PIST(1)	05659D9	1ENG PIST(1)	05659TP	1ENG PIST(1)	0566374
1ENG PIST(1)	05658RT	1ENG PIST(1)	056593N	1ENG PIST(1)	05659E2	1ENG PIST(1)	05659TP	1ENG PIST(1)	0566392
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1ENG PIST(1)	05658TH	1ENG PIST(1)	056593S	1ENG PIST(1)	05659F6	1ENG PIST(1)	05659TT	1ENG PIST(1)	05663AB
1ENG PIST(1)	05658TH	1ENG PIST(1)	056593T	1ENG PIST(1)	05659F9	1ENG PIST(1)	05659TU	1ENG PIST(1)	05663AE
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1ENG PIST(1)	05658TS	1ENG PIST(1)	0565943	1ENG PIST(1)	05659K1	1ENG PIST(1)	05659TZ	1ENG PIST(1)	05663BE
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1ENG PIST(1)	05658TY	1ENG PIST(1)	056594G	1ENG PIST(1)	05659M2	1ENG PIST(1)	05659U3	1ENG PIST(1)	05663BY
1ENG PIST(1)	05658UJ	1ENG PIST(1)	056594K	1ENG PIST(1)	05659N1	1ENG PIST(1)	05659U4	1ENG PIST(1)	05663BZ
1ENG PIST(1)	05658UK	1ENG PIST(1)	056594N	1ENG PIST(1)	05659NP	1ENG PIST(1)	05659V2	1ENG PIST(1)	05663CA
1ENG PIST(1)	05658UR	1ENG PIST(1)	056594Q	1ENG PIST(1)	05659PA	1ENG PIST(1)	05659W2	1ENG PIST(1)	05663CD
1ENG PIST(1)	05658UT	1ENG PIST(1)	056594R	1ENG PIST(1)	05659PF	1ENG PIST(1)	05659X5	1ENG PIST(1)	05663CE
1ENG PIST(1)	05658VJ	1ENG PIST(1)	0565954	1ENG PIST(1)	05659PP	1ENG PIST(1)	05659X8	1ENG PIST(1)	05663CF
1ENG PIST(1)	05658VZ	1ENG PIST(1)	0565955	1ENG PIST(1)	05659PK	1ENG PIST(1)	05659Y3	1ENG PIST(1)	05663CF
1ENG PIST(1)	05658WJ	1ENG PIST(1)	056595C	1ENG PIST(1)	05659PR	1ENG PIST(1)	05659Y3	1ENG PIST(1)	05663CF
1ENG PIST(1)	05658WZ	1ENG PIST(1)	056595E	1ENG PIST(1)	05659PW	1ENG PIST(1)	05659Y3	1ENG PIST(1)	05663CF

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05663CG	1ENG PIST(1)	05666D4	1ENG PIST(1)	05675C2	1ENG PIST(1)	05675PM	1ENG PIST(1)	056760A
1ENG PIST(1)	05663CL	1ENG PIST(1)	05666F8	1ENG PIST(1)	05675C6	1ENG PIST(1)	05675PT	1ENG PIST(1)	056760B
1ENG PIST(1)	05663CM	1ENG PIST(1)	05666G3	1ENG PIST(1)	05675CC	1ENG PIST(1)	05675PV	1ENG PIST(1)	056760D
1ENG PIST(1)	05663CR	1ENG PIST(1)	05666G5	1ENG PIST(1)	05675CQ	1ENG PIST(1)	05675Q7	1ENG PIST(1)	056760F
1ENG PIST(1)	05663CV	1ENG PIST(1)	05666G6	1ENG PIST(1)	05675D8	1ENG PIST(1)	05675Q9	1ENG PIST(1)	056760K
1ENG PIST(1)	05663DE	1ENG PIST(1)	05666H4	1ENG PIST(1)	05675D8	1ENG PIST(1)	05675QE	1ENG PIST(1)	056760L
1ENG PIST(1)	05663DL	1ENG PIST(1)	0566801	1ENG PIST(1)	05675DB	1ENG PIST(1)	05675QH	1ENG PIST(1)	056760P
1ENG PIST(1)	05663DQ	1ENG PIST(1)	05671AF	1ENG PIST(1)	05675EB	1ENG PIST(1)	05675R1	1ENG PIST(1)	056760Z
1ENG PIST(1)	05663DR	1ENG PIST(1)	0567506	1ENG PIST(1)	05675EM	1ENG PIST(1)	05675RA	1ENG PIST(1)	0567612
1ENG PIST(1)	05663DS	1ENG PIST(1)	0567508	1ENG PIST(1)	05675F4	1ENG PIST(1)	05675RN	1ENG PIST(1)	0567615
1ENG PIST(1)	05663DT	1ENG PIST(1)	056751N	1ENG PIST(1)	05675FT	1ENG PIST(1)	05675RZ	1ENG PIST(1)	0567621
1ENG PIST(1)	05663DU	1ENG PIST(1)	056752A	1ENG PIST(1)	05675G6	1ENG PIST(1)	05675SE	1ENG PIST(1)	0567625
1ENG PIST(1)	0566404	1ENG PIST(1)	056752S	1ENG PIST(1)	05675G6	1ENG PIST(1)	05675SG	1ENG PIST(1)	0567628
1ENG PIST(1)	0566411	1ENG PIST(1)	056753P	1ENG PIST(1)	05675G9	1ENG PIST(1)	05675T3	1ENG PIST(1)	0567628
1ENG PIST(1)	0566414	1ENG PIST(1)	056753R	1ENG PIST(1)	05675GD	1ENG PIST(1)	05675T3	1ENG PIST(1)	056762E
1ENG PIST(1)	0566417	1ENG PIST(1)	056753R	1ENG PIST(1)	05675GM	1ENG PIST(1)	05675TD	1ENG PIST(1)	056762E
1ENG PIST(1)	0566421	1ENG PIST(1)	0567540	1ENG PIST(1)	05675HB	1ENG PIST(1)	05675U3	1ENG PIST(1)	056762F
1ENG PIST(1)	0566428	1ENG PIST(1)	056754C	1ENG PIST(1)	05675HM	1ENG PIST(1)	05675U5	1ENG PIST(1)	0567634
1ENG PIST(1)	0566433	1ENG PIST(1)	056754D	1ENG PIST(1)	05675HN	1ENG PIST(1)	05675U7	1ENG PIST(1)	0567638
1ENG PIST(1)	0566434	1ENG PIST(1)	056754J	1ENG PIST(1)	05675J5	1ENG PIST(1)	05675UQ	1ENG PIST(1)	0567640
1ENG PIST(1)	0566438	1ENG PIST(1)	056754U	1ENG PIST(1)	05675J7	1ENG PIST(1)	05675V3	1ENG PIST(1)	0567644
1ENG PIST(1)	0566439	1ENG PIST(1)	0567554	1ENG PIST(1)	05675JB	1ENG PIST(1)	05675V4	1ENG PIST(1)	0567645
1ENG PIST(1)	0566441	1ENG PIST(1)	056755G	1ENG PIST(1)	05675JW	1ENG PIST(1)	05675V7	1ENG PIST(1)	0567648
1ENG PIST(1)	0566442	1ENG PIST(1)	056756N	1ENG PIST(1)	05675K3	1ENG PIST(1)	05675V9	1ENG PIST(1)	0567653
1ENG PIST(1)	0566445	1ENG PIST(1)	056756Y	1ENG PIST(1)	05675K5	1ENG PIST(1)	05675W3	1ENG PIST(1)	0567655
1ENG PIST(1)	0566447	1ENG PIST(1)	0567571	1ENG PIST(1)	05675K8	1ENG PIST(1)	05675W3	1ENG PIST(1)	0567661
1ENG PIST(1)	0566450	1ENG PIST(1)	056757C	1ENG PIST(1)	05675KH	1ENG PIST(1)	05675W3	1ENG PIST(1)	0567667
1ENG PIST(1)	0566451	1ENG PIST(1)	056757K	1ENG PIST(1)	05675KK	1ENG PIST(1)	05675WJ	1ENG PIST(1)	0567669
1ENG PIST(1)	0566454	1ENG PIST(1)	056757M	1ENG PIST(1)	05675KL	1ENG PIST(1)	05675WK	1ENG PIST(1)	0567673
1ENG PIST(1)	0566456	1ENG PIST(1)	056757X	1ENG PIST(1)	05675KV	1ENG PIST(1)	05675WV	1ENG PIST(1)	0567677
1ENG PIST(1)	0566457	1ENG PIST(1)	0567588	1ENG PIST(1)	05675KZ	1ENG PIST(1)	05675X1	1ENG PIST(1)	0567681
1ENG PIST(1)	0566458	1ENG PIST(1)	0567589	1ENG PIST(1)	05675L1	1ENG PIST(1)	05675X2	1ENG PIST(1)	0567686
1ENG PIST(1)	0566459	1ENG PIST(1)	056758M	1ENG PIST(1)	05675L4	1ENG PIST(1)	05675X5	1ENG PIST(1)	0567687
1ENG PIST(1)	0566463	1ENG PIST(1)	056758V	1ENG PIST(1)	05675L9	1ENG PIST(1)	05675X6	1ENG PIST(1)	0567688
1ENG PIST(1)	0566667	1ENG PIST(1)	0567599	1ENG PIST(1)	05675LV	1ENG PIST(1)	05675XE	1ENG PIST(1)	0567694
1ENG PIST(1)	0566672	1ENG PIST(1)	056759C	1ENG PIST(1)	05675LV	1ENG PIST(1)	05675XW	1ENG PIST(1)	0567696
1ENG PIST(1)	0566682	1ENG PIST(1)	056759N	1ENG PIST(1)	05675MB	1ENG PIST(1)	05675Y5	1ENG PIST(1)	0567699
1ENG PIST(1)	0566687	1ENG PIST(1)	056759P	1ENG PIST(1)	05675MS	1ENG PIST(1)	05675Y5	1ENG PIST(1)	0567699
1ENG PIST(1)	0566688	1ENG PIST(1)	05675A4	1ENG PIST(1)	05675MS	1ENG PIST(1)	05675YA	1ENG PIST(1)	05676A1
1ENG PIST(1)	0566688	1ENG PIST(1)	05675AP	1ENG PIST(1)	05675MY	1ENG PIST(1)	05675YG	1ENG PIST(1)	05676A6
1ENG PIST(1)	05666C1	1ENG PIST(1)	05675AP	1ENG PIST(1)	05675N5	1ENG PIST(1)	05675YR	1ENG PIST(1)	05676A8
1ENG PIST(1)	05666C5	1ENG PIST(1)	05675BB	1ENG PIST(1)	05675N8	1ENG PIST(1)	05675Z1	1ENG PIST(1)	05676AB
1ENG PIST(1)	05666C7	1ENG PIST(1)	05675B8	1ENG PIST(1)	05675P2	1ENG PIST(1)	05675ZA	1ENG PIST(1)	05676AC
1ENG PIST(1)	05666C7	1ENG PIST(1)	05675BV	1ENG PIST(1)	05675P3	1ENG PIST(1)	05675ZH	1ENG PIST(1)	05676AD
1ENG PIST(1)	05666C7	1ENG PIST(1)	05675C1	1ENG PIST(1)	05675P8	1ENG PIST(1)	05675Z1	1ENG PIST(1)	05676AD
1ENG PIST(1)	05666C7	1ENG PIST(1)	05675C1	1ENG PIST(1)	05675P8	1ENG PIST(1)	05675Z1	1ENG PIST(1)	05676AD
1ENG PIST(1)	05666C7	1ENG PIST(1)	05675C1	1ENG PIST(1)	05675P8	1ENG PIST(1)	05675Z1	1ENG PIST(1)	05676AD

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	05676AS	1ENG PIST(1)	05676FD	1ENG PIST(1)	05676KD	1ENG PIST(1)	05676Q8	1ENG PIST(1)	05676X7
1ENG PIST(1)	05676AX	1ENG PIST(1)	05676FF	1ENG PIST(1)	05676KJ	1ENG PIST(1)	05676QF	1ENG PIST(1)	05676Y5
1ENG PIST(1)	05676AY	1ENG PIST(1)	05676FK	1ENG PIST(1)	05676KK	1ENG PIST(1)	05676QG	1ENG PIST(1)	05676Y8
1ENG PIST(1)	05676B6	1ENG PIST(1)	05676FM	1ENG PIST(1)	05676KN	1ENG PIST(1)	05676QJ	1ENG PIST(1)	05676Z4
1ENG PIST(1)	05676BA	1ENG PIST(1)	05676FN	1ENG PIST(1)	05676KU	1ENG PIST(1)	05676QK	1ENG PIST(1)	05676Z7
1ENG PIST(1)	05676BC	1ENG PIST(1)	05676FR	1ENG PIST(1)	05676LA	1ENG PIST(1)	05676QL	1ENG PIST(1)	05676Z9
1ENG PIST(1)	05676BP	1ENG PIST(1)	05676FT	1ENG PIST(1)	05676LC	1ENG PIST(1)	05676QP	1ENG PIST(1)	0568001
1ENG PIST(1)	05676BS	1ENG PIST(1)	05676FU	1ENG PIST(1)	05676LE	1ENG PIST(1)	05676QQ	1ENG PIST(1)	0568002
1ENG PIST(1)	05676BW	1ENG PIST(1)	05676FX	1ENG PIST(1)	05676LF	1ENG PIST(1)	05676QS	1ENG PIST(1)	0569019
1ENG PIST(1)	05676C8	1ENG PIST(1)	05676FZ	1ENG PIST(1)	05676LJ	1ENG PIST(1)	05676OU	1ENG PIST(1)	056901A
1ENG PIST(1)	05676CD	1ENG PIST(1)	05676G5	1ENG PIST(1)	05676LN	1ENG PIST(1)	05676OU	1ENG PIST(1)	056901B
1ENG PIST(1)	05676CJ	1ENG PIST(1)	05676G6	1ENG PIST(1)	05676LU	1ENG PIST(1)	05676R3	1ENG PIST(1)	056901C
1ENG PIST(1)	05676CL	1ENG PIST(1)	05676G7	1ENG PIST(1)	05676M1	1ENG PIST(1)	05676RA	1ENG PIST(1)	056901D
1ENG PIST(1)	05676CM	1ENG PIST(1)	05676G8	1ENG PIST(1)	05676M4	1ENG PIST(1)	05676RH	1ENG PIST(1)	056901H
1ENG PIST(1)	05676CP	1ENG PIST(1)	05676G9	1ENG PIST(1)	05676M8	1ENG PIST(1)	05676RQ	1ENG PIST(1)	056901K
1ENG PIST(1)	05676CR	1ENG PIST(1)	05676GQ	1ENG PIST(1)	05676NA	1ENG PIST(1)	05676RQ	1ENG PIST(1)	056901L
1ENG PIST(1)	05676CV	1ENG PIST(1)	05676GR	1ENG PIST(1)	05676NB	1ENG PIST(1)	05676RT	1ENG PIST(1)	056901P
1ENG PIST(1)	05676CZ	1ENG PIST(1)	05676GU	1ENG PIST(1)	05676ND	1ENG PIST(1)	05676SZ	1ENG PIST(1)	056901Q
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1ENG PIST(1)	05676DA	1ENG PIST(1)	05676GY	1ENG PIST(1)	05676NL	1ENG PIST(1)	05676S7	1ENG PIST(1)	0569022
1ENG PIST(1)	05676DE	1ENG PIST(1)	05676H3	1ENG PIST(1)	05676NN	1ENG PIST(1)	05676S8	1ENG PIST(1)	056902B
1ENG PIST(1)	05676DG	1ENG PIST(1)	05676H8	1ENG PIST(1)	05676NQ	1ENG PIST(1)	05676SB	1ENG PIST(1)	056902C
1ENG PIST(1)	05676DJ	1ENG PIST(1)	05676HF	1ENG PIST(1)	05676NR	1ENG PIST(1)	05676SD	1ENG PIST(1)	056902D
1ENG PIST(1)	05676DK	1ENG PIST(1)	05676HJ	1ENG PIST(1)	05676NU	1ENG PIST(1)	05676SE	1ENG PIST(1)	056902L
1ENG PIST(1)	05676DP	1ENG PIST(1)	05676HM	1ENG PIST(1)	05676NV	1ENG PIST(1)	05676SG	1ENG PIST(1)	056902N
1ENG PIST(1)	05676DP	1ENG PIST(1)	05676HP	1ENG PIST(1)	05676NW	1ENG PIST(1)	05676SS	1ENG PIST(1)	056902U
1ENG PIST(1)	05676DT	1ENG PIST(1)	05676HQ	1ENG PIST(1)	05676NH	1ENG PIST(1)	05676SS	1ENG PIST(1)	056902V
1ENG PIST(1)	05676E4	1ENG PIST(1)	05676HR	1ENG PIST(1)	05676NE	1ENG PIST(1)	05676T3	1ENG PIST(1)	056902X
1ENG PIST(1)	05676EE	1ENG PIST(1)	05676HX	1ENG PIST(1)	05676NF	1ENG PIST(1)	05676T7	1ENG PIST(1)	0569032
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1ENG PIST(1)	05676ES	1ENG PIST(1)	05676JM	1ENG PIST(1)	05676PC	1ENG PIST(1)	05676TS	1ENG PIST(1)	056903H
1ENG PIST(1)	05676EV	1ENG PIST(1)	05676JQ	1ENG PIST(1)	05676PD	1ENG PIST(1)	05676U3	1ENG PIST(1)	056903I
1ENG PIST(1)	05676EW	1ENG PIST(1)	05676JT	1ENG PIST(1)	05676PE	1ENG PIST(1)	05676U5	1ENG PIST(1)	056903M
1ENG PIST(1)	05676F1	1ENG PIST(1)	05676JU	1ENG PIST(1)	05676PF	1ENG PIST(1)	05676U8	1ENG PIST(1)	056903R
1ENG PIST(1)	05676F3	1ENG PIST(1)	05676JW	1ENG PIST(1)	05676PN	1ENG PIST(1)	05676U9	1ENG PIST(1)	056903T
1ENG PIST(1)	05676F5	1ENG PIST(1)	05676JX	1ENG PIST(1)	05676PY	1ENG PIST(1)	05676V5	1ENG PIST(1)	056903V
1ENG PIST(1)	05676F6	1ENG PIST(1)	05676K2	1ENG PIST(1)	05676Q1	1ENG PIST(1)	05676W4	1ENG PIST(1)	056903Z
1ENG PIST(1)	05676FA	1ENG PIST(1)	05676K3	1ENG PIST(1)	05676Q2	1ENG PIST(1)	05676W7	1ENG PIST(1)	056904H
1ENG PIST(1)	05676FC	1ENG PIST(1)	05676K3	1ENG PIST(1)	05676Q2	1ENG PIST(1)	05676W9	1ENG PIST(1)	056904N

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
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1ENG PIST(1)	056904T	1ENG PIST(1)	05690H8	1ENG PIST(1)	0569114	1ENG PIST(1)	05691DX	1ENG PIST(1)	05691JW
1ENG PIST(1)	056904V	1ENG PIST(1)	05690K1	1ENG PIST(1)	0569121	1ENG PIST(1)	05691EC	1ENG PIST(1)	05691JX
1ENG PIST(1)	056904W	1ENG PIST(1)	05690L1	1ENG PIST(1)	0569122	1ENG PIST(1)	05691EF	1ENG PIST(1)	05691QP
1ENG PIST(1)	0569057	1ENG PIST(1)	05690L4	1ENG PIST(1)	0569124	1ENG PIST(1)	05691EK	1ENG PIST(1)	0580104
1ENG PIST(1)	0569059	1ENG PIST(1)	05690L6	1ENG PIST(1)	0569133	1ENG PIST(1)	05691EM	1ENG PIST(1)	0630820
1ENG PIST(1)	056905A	1ENG PIST(1)	05690L7	1ENG PIST(1)	0569138	1ENG PIST(1)	05691EP	1ENG PIST(1)	0650102
1ENG PIST(1)	056905B	1ENG PIST(1)	05690M2	1ENG PIST(1)	0569142	1ENG PIST(1)	05691ET	1ENG PIST(1)	0650104
1ENG PIST(1)	056905D	1ENG PIST(1)	05690M7	1ENG PIST(1)	0569149	1ENG PIST(1)	05691ES	1ENG PIST(1)	0650106
1ENG PIST(1)	056905F	1ENG PIST(1)	05690M8	1ENG PIST(1)	0569152	1ENG PIST(1)	05691EU	1ENG PIST(1)	0740102
1ENG PIST(1)	056905G	1ENG PIST(1)	05690N8	1ENG PIST(1)	0569156	1ENG PIST(1)	05691EV	1ENG PIST(1)	0760739
1ENG PIST(1)	056905H	1ENG PIST(1)	05690P1	1ENG PIST(1)	0569162	1ENG PIST(1)	05691EY	1ENG PIST(1)	0760766
1ENG PIST(1)	056905J	1ENG PIST(1)	05690P5	1ENG PIST(1)	0569164	1ENG PIST(1)	05691FA	1ENG PIST(1)	0760863
1ENG PIST(1)	056905K	1ENG PIST(1)	05690P9	1ENG PIST(1)	0569172	1ENG PIST(1)	05691FG	1ENG PIST(1)	0761102
1ENG PIST(1)	056905L	1ENG PIST(1)	05690Q1	1ENG PIST(1)	0569175	1ENG PIST(1)	05691FM	1ENG PIST(1)	0790208
1ENG PIST(1)	056905R	1ENG PIST(1)	05690Q7	1ENG PIST(1)	0569184	1ENG PIST(1)	05691FP	1ENG PIST(1)	0840102
1ENG PIST(1)	056905S	1ENG PIST(1)	05690Q9	1ENG PIST(1)	0569188	1ENG PIST(1)	05691FS	1ENG PIST(1)	0840120
1ENG PIST(1)	056905T	1ENG PIST(1)	05690R1	1ENG PIST(1)	0569190	1ENG PIST(1)	05691FT	1ENG PIST(1)	0881003
1ENG PIST(1)	056905U	1ENG PIST(1)	05690R5	1ENG PIST(1)	0569193	1ENG PIST(1)	05691FU	1ENG PIST(1)	0881207
1ENG PIST(1)	0569064	1ENG PIST(1)	05690R6	1ENG PIST(1)	0569199	1ENG PIST(1)	05691GB	1ENG PIST(1)	0950102
1ENG PIST(1)	0569069	1ENG PIST(1)	05690R7	1ENG PIST(1)	05691A9	1ENG PIST(1)	05691GC	1ENG PIST(1)	0960101
1ENG PIST(1)	0569077	1ENG PIST(1)	05690R8	1ENG PIST(1)	05691AW	1ENG PIST(1)	05691GH	1ENG PIST(1)	1030104
1ENG PIST(1)	0569080	1ENG PIST(1)	05690R8	1ENG PIST(1)	05691AW	1ENG PIST(1)	05691GH	1ENG PIST(1)	1110102
1ENG PIST(1)	0569081	1ENG PIST(1)	05690S4	1ENG PIST(1)	05691BB	1ENG PIST(1)	05691GM	1ENG PIST(1)	1120424
1ENG PIST(1)	0569083	1ENG PIST(1)	05690S7	1ENG PIST(1)	05691BE	1ENG PIST(1)	05691GN	1ENG PIST(1)	1130202
1ENG PIST(1)	0569085	1ENG PIST(1)	05690T1	1ENG PIST(1)	05691BE	1ENG PIST(1)	05691GN	1ENG PIST(1)	11304F7
1ENG PIST(1)	0569088	1ENG PIST(1)	05690U4	1ENG PIST(1)	05691BR	1ENG PIST(1)	05691GT	1ENG PIST(1)	11304G1
1ENG PIST(1)	0569093	1ENG PIST(1)	05690U7	1ENG PIST(1)	05691BU	1ENG PIST(1)	05691HC	1ENG PIST(1)	1130569
1ENG PIST(1)	056909C	1ENG PIST(1)	05690U7	1ENG PIST(1)	05691CD	1ENG PIST(1)	05691HD	1ENG PIST(1)	1130571
1ENG PIST(1)	056909F	1ENG PIST(1)	05690V4	1ENG PIST(1)	05691CE	1ENG PIST(1)	05691HF	1ENG PIST(1)	1130582
1ENG PIST(1)	056909H	1ENG PIST(1)	05690V4	1ENG PIST(1)	05691CL	1ENG PIST(1)	05691HL	1ENG PIST(1)	1130594
1ENG PIST(1)	056909M	1ENG PIST(1)	05690V6	1ENG PIST(1)	05691CM	1ENG PIST(1)	05691HP	1ENG PIST(1)	1130604
1ENG PIST(1)	056909X	1ENG PIST(1)	05690W2	1ENG PIST(1)	05691CN	1ENG PIST(1)	05691HR	1ENG PIST(1)	1130614
1ENG PIST(1)	05690A2	1ENG PIST(1)	05690X5	1ENG PIST(1)	05691CP	1ENG PIST(1)	05691HU	1ENG PIST(1)	1130625
1ENG PIST(1)	05690A5	1ENG PIST(1)	05690X6	1ENG PIST(1)	05691CS	1ENG PIST(1)	05691HV	1ENG PIST(1)	1130629
1ENG PIST(1)	05690B8	1ENG PIST(1)	05690Y9	1ENG PIST(1)	05691CZ	1ENG PIST(1)	05691HW	1ENG PIST(1)	1130633
1ENG PIST(1)	05690C1	1ENG PIST(1)	05690Z2	1ENG PIST(1)	05691DA	1ENG PIST(1)	05691JE	1ENG PIST(1)	1130714
1ENG PIST(1)	05690E3	1ENG PIST(1)	05690Z8	1ENG PIST(1)	05691DB	1ENG PIST(1)	05691JF	1ENG PIST(1)	1130721
1ENG PIST(1)	05690E6	1ENG PIST(1)	05690Z9	1ENG PIST(1)	05691DC	1ENG PIST(1)	05691JH	1ENG PIST(1)	1130728
1ENG PIST(1)	05690F2	1ENG PIST(1)	0569103	1ENG PIST(1)	05691DE	1ENG PIST(1)	05691JJ	1ENG PIST(1)	1130731
1ENG PIST(1)	05690F8	1ENG PIST(1)	0569104	1ENG PIST(1)	05691DF	1ENG PIST(1)	05691JL	1ENG PIST(1)	1130734
1ENG PIST(1)	05690G4	1ENG PIST(1)	0569105	1ENG PIST(1)	05691DN	1ENG PIST(1)	05691JN	1ENG PIST(1)	1130734
1ENG PIST(1)	05690G4	1ENG PIST(1)	0569106	1ENG PIST(1)	05691DQ	1ENG PIST(1)	05691JQ	1ENG PIST(1)	1130734
1ENG PIST(1)	05690G4	1ENG PIST(1)	0569106	1ENG PIST(1)	05691DR	1ENG PIST(1)	05691JR	1ENG PIST(1)	1130741

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	1130743	1ENG PIST(1)	1410158	1ENG PIST(1)	1590512	1ENG PIST(1)	1690644	1ENG PIST(1)	2110103
1ENG PIST(1)	1130745	1ENG PIST(1)	1410160	1ENG PIST(1)	1590519	1ENG PIST(1)	1690647	1ENG PIST(1)	2110104
1ENG PIST(1)	1130755	1ENG PIST(1)	1410194	1ENG PIST(1)	1590520	1ENG PIST(1)	1690648	1ENG PIST(1)	2110106
1ENG PIST(1)	1130762	1ENG PIST(1)	1410197	1ENG PIST(1)	1590521	1ENG PIST(1)	1690682	1ENG PIST(1)	2110108
1ENG PIST(1)	1130767	1ENG PIST(1)	14101A2	1ENG PIST(1)	1650302	1ENG PIST(1)	1690685	1ENG PIST(1)	2110109
1ENG PIST(1)	1130770	1ENG PIST(1)	14101A3	1ENG PIST(1)	1651002	1ENG PIST(1)	1692169	1ENG PIST(1)	2110110
1ENG PIST(1)	1130790	1ENG PIST(1)	14101A8	1ENG PIST(1)	16501CF	1ENG PIST(1)	1850215	1ENG PIST(1)	2110112
1ENG PIST(1)	1130795	1ENG PIST(1)	14101A9	1ENG PIST(1)	16901HB	1ENG PIST(1)	1850302	1ENG PIST(1)	2110114
1ENG PIST(1)	11307A3	1ENG PIST(1)	14101B1	1ENG PIST(1)	16901KN	1ENG PIST(1)	1850303	1ENG PIST(1)	2110116
1ENG PIST(1)	11307A7	1ENG PIST(1)	14101B2	1ENG PIST(1)	16901LH	1ENG PIST(1)	1850304	1ENG PIST(1)	2110117
1ENG PIST(1)	11307A9	1ENG PIST(1)	14101C1	1ENG PIST(1)	16901T5	1ENG PIST(1)	1850308	1ENG PIST(1)	2110120
1ENG PIST(1)	11307C2	1ENG PIST(1)	14101C4	1ENG PIST(1)	1690303	1ENG PIST(1)	1922840	1ENG PIST(1)	2110121
1ENG PIST(1)	11307D5	1ENG PIST(1)	14101D7	1ENG PIST(1)	1690333	1ENG PIST(1)	1930101	1ENG PIST(1)	2110124
1ENG PIST(1)	11307E2	1ENG PIST(1)	14101E4	1ENG PIST(1)	1690345	1ENG PIST(1)	1970102	1ENG PIST(1)	2110126
1ENG PIST(1)	11307G4	1ENG PIST(1)	14101E7	1ENG PIST(1)	1690350	1ENG PIST(1)	1970116	1ENG PIST(1)	2110130
1ENG PIST(1)	11307H6	1ENG PIST(1)	14101F1	1ENG PIST(1)	1690369	1ENG PIST(1)	1970120	1ENG PIST(1)	2110133
1ENG PIST(1)	11307J9	1ENG PIST(1)	14101F3	1ENG PIST(1)	1690372	1ENG PIST(1)	1970130	1ENG PIST(1)	2110136
1ENG PIST(1)	11307L6	1ENG PIST(1)	14101F7	1ENG PIST(1)	1690389	1ENG PIST(1)	1970134	1ENG PIST(1)	2110140
1ENG PIST(1)	11307L8	1ENG PIST(1)	14101G2	1ENG PIST(1)	1690390	1ENG PIST(1)	1970138	1ENG PIST(1)	2110144
1ENG PIST(1)	11307M5	1ENG PIST(1)	14101G6	1ENG PIST(1)	1690392	1ENG PIST(1)	1970145	1ENG PIST(1)	2110148
1ENG PIST(1)	11307N7	1ENG PIST(1)	14101G8	1ENG PIST(1)	1690394	1ENG PIST(1)	1970149	1ENG PIST(1)	2110154
1ENG PIST(1)	11307P8	1ENG PIST(1)	14101G9	1ENG PIST(1)	1690405	1ENG PIST(1)	1970150	1ENG PIST(1)	2110158
1ENG PIST(1)	1130809	1ENG PIST(1)	1412100	1ENG PIST(1)	1690409	1ENG PIST(1)	1970151	1ENG PIST(1)	2110160
1ENG PIST(1)	1130822	1ENG PIST(1)	1412119	1ENG PIST(1)	1690412	1ENG PIST(1)	1970152	1ENG PIST(1)	2110162
1ENG PIST(1)	1130852	1ENG PIST(1)	1412127	1ENG PIST(1)	1690434	1ENG PIST(1)	1970212	1ENG PIST(1)	2110164
1ENG PIST(1)	1160001	1ENG PIST(1)	1412136	1ENG PIST(1)	1690444	1ENG PIST(1)	1970302	1ENG PIST(1)	2110166
1ENG PIST(1)	1180204	1ENG PIST(1)	14121LK	1ENG PIST(1)	1690445	1ENG PIST(1)	1970324	1ENG PIST(1)	2110168
1ENG PIST(1)	1190101	1ENG PIST(1)	1461102	1ENG PIST(1)	1690447	1ENG PIST(1)	1970333	1ENG PIST(1)	2110166
1ENG PIST(1)	1200802	1ENG PIST(1)	1461104	1ENG PIST(1)	1690448	1ENG PIST(1)	1970341	1ENG PIST(1)	2110172
1ENG PIST(1)	1200804	1ENG PIST(1)	1461202	1ENG PIST(1)	1690471	1ENG PIST(1)	1970346	1ENG PIST(1)	2121000
1ENG PIST(1)	1200901	1ENG PIST(1)	1461204	1ENG PIST(1)	1690472	1ENG PIST(1)	1970357	1ENG PIST(1)	2152616
1ENG PIST(1)	1200902	1ENG PIST(1)	1461208	1ENG PIST(1)	1690475	1ENG PIST(1)	1970375	1ENG PIST(1)	2230302
1ENG PIST(1)	1201102	1ENG PIST(1)	1461502	1ENG PIST(1)	1690480	1ENG PIST(1)	1970376	1ENG PIST(1)	2320102
1ENG PIST(1)	1300118	1ENG PIST(1)	1461504	1ENG PIST(1)	1690511	1ENG PIST(1)	1970379	1ENG PIST(1)	2320104
1ENG PIST(1)	1300198	1ENG PIST(1)	1461512	1ENG PIST(1)	1690522	1ENG PIST(1)	1970382	1ENG PIST(1)	2350102
1ENG PIST(1)	130178A	1ENG PIST(1)	1461802	1ENG PIST(1)	1690602	1ENG PIST(1)	197042N	1ENG PIST(1)	2350104
1ENG PIST(1)	13021JR	1ENG PIST(1)	1461902	1ENG PIST(1)	1690641	1ENG PIST(1)	197043D	1ENG PIST(1)	2350202
1ENG PIST(1)	13025CT	1ENG PIST(1)	1462004	1ENG PIST(1)	1690646	1ENG PIST(1)	1970479	1ENG PIST(1)	2370402
1ENG PIST(1)	13025DQ	1ENG PIST(1)	1462006	1ENG PIST(1)	1690669	1ENG PIST(1)	1970469	1ENG PIST(1)	2370404
1ENG PIST(1)	1380802	1ENG PIST(1)	1530100	1ENG PIST(1)	1690676	1ENG PIST(1)	1970517	1ENG PIST(1)	2370502
1ENG PIST(1)	1380810	1ENG PIST(1)	1590203	1ENG PIST(1)	1690684	1ENG PIST(1)	2074802	1ENG PIST(1)	2370506
1ENG PIST(1)	1381902	1ENG PIST(1)	1590330	1ENG PIST(1)	1690689	1ENG PIST(1)	2076608	1ENG PIST(1)	2370508
1ENG PIST(1)	1400266	1ENG PIST(1)	1590504	1ENG PIST(1)	1690693	1ENG PIST(1)	2110102	1ENG PIST(1)	2370704

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	2371104	1ENG PIST(1)	3020407	1ENG PIST(1)	3400202	1ENG PIST(1)	3910273	1ENG PIST(1)	4700088
1ENG PIST(1)	2371202	1ENG PIST(1)	3020408	1ENG PIST(1)	3400220	1ENG PIST(1)	3910274	1ENG PIST(1)	4700089
1ENG PIST(1)	2371206	1ENG PIST(1)	3021012	1ENG PIST(1)	3480101	1ENG PIST(1)	3910288	1ENG PIST(1)	4940202
1ENG PIST(1)	2371302	1ENG PIST(1)	3026014	1ENG PIST(1)	3480201	1ENG PIST(1)	3910290	1ENG PIST(1)	4940204
1ENG PIST(1)	2371304	1ENG PIST(1)	3026102	1ENG PIST(1)	3480502	1ENG PIST(1)	3912060	1ENG PIST(1)	4940208
1ENG PIST(1)	2371402	1ENG PIST(1)	3130201	1ENG PIST(1)	3480503	1ENG PIST(1)	3950102	1ENG PIST(1)	4940210
1ENG PIST(1)	2371408	1ENG PIST(1)	3160502	1ENG PIST(1)	3480506	1ENG PIST(1)	3950204	1ENG PIST(1)	5070102
1ENG PIST(1)	2371410	1ENG PIST(1)	3270102	1ENG PIST(1)	3480508	1ENG PIST(1)	3950208	1ENG PIST(1)	5070110
1ENG PIST(1)	2371422	1ENG PIST(1)	3280101	1ENG PIST(1)	3540103	1ENG PIST(1)	3950306	1ENG PIST(1)	5070130
1ENG PIST(1)	2400111	1ENG PIST(1)	3280103	1ENG PIST(1)	3540104	1ENG PIST(1)	3950308	1ENG PIST(1)	5070302
1ENG PIST(1)	2610102	1ENG PIST(1)	3360104	1ENG PIST(1)	3540105	1ENG PIST(1)	3950310	1ENG PIST(1)	5110102
1ENG PIST(1)	2610202	1ENG PIST(1)	33601UX	1ENG PIST(1)	3540109	1ENG PIST(1)	3950507	1ENG PIST(1)	5160202
1ENG PIST(1)	2610206	1ENG PIST(1)	33602TA	1ENG PIST(1)	3581001	1ENG PIST(1)	3950602	1ENG PIST(1)	5269501
1ENG PIST(1)	2620202	1ENG PIST(1)	3360301	1ENG PIST(1)	3581002	1ENG PIST(1)	3950615	1ENG PIST(1)	5350102
1ENG PIST(1)	2620203	1ENG PIST(1)	3360322	1ENG PIST(1)	3630337	1ENG PIST(1)	3950801	1ENG PIST(1)	5350202
1ENG PIST(1)	2620302	1ENG PIST(1)	3360332	1ENG PIST(1)	3630606	1ENG PIST(1)	3950803	1ENG PIST(1)	5400102
1ENG PIST(1)	2620403	1ENG PIST(1)	3360340	1ENG PIST(1)	3630903	1ENG PIST(1)	3950804	1ENG PIST(1)	5400107
1ENG PIST(1)	2620502	1ENG PIST(1)	3360344	1ENG PIST(1)	3630940	1ENG PIST(1)	3950804	1ENG PIST(1)	5400108
1ENG PIST(1)	2620601	1ENG PIST(1)	3360350	1ENG PIST(1)	3680102	1ENG PIST(1)	3950802	1ENG PIST(1)	5451002
1ENG PIST(1)	2620802	1ENG PIST(1)	3360356	1ENG PIST(1)	3680202	1ENG PIST(1)	3950908	1ENG PIST(1)	5510101
1ENG PIST(1)	2620806	1ENG PIST(1)	3360359	1ENG PIST(1)	3720202	1ENG PIST(1)	3951304	1ENG PIST(1)	5600102
1ENG PIST(1)	2620808	1ENG PIST(1)	3360364	1ENG PIST(1)	3730110	1ENG PIST(1)	3979906	1ENG PIST(1)	5621012
1ENG PIST(1)	2620812	1ENG PIST(1)	3360365	1ENG PIST(1)	3730111	1ENG PIST(1)	4200102	1ENG PIST(1)	5623004
1ENG PIST(1)	2622002	1ENG PIST(1)	3360366	1ENG PIST(1)	3750102	1ENG PIST(1)	4220103	1ENG PIST(1)	5624001
1ENG PIST(1)	2622206	1ENG PIST(1)	3360367	1ENG PIST(1)	3770102	1ENG PIST(1)	4220121	1ENG PIST(1)	5626007
1ENG PIST(1)	2622209	1ENG PIST(1)	3370104	1ENG PIST(1)	3770502	1ENG PIST(1)	4220122	1ENG PIST(1)	5650202
1ENG PIST(1)	2700102	1ENG PIST(1)	3370108	1ENG PIST(1)	3840102	1ENG PIST(1)	4220100	1ENG PIST(1)	5650206
1ENG PIST(1)	2700104	1ENG PIST(1)	3370110	1ENG PIST(1)	3870602	1ENG PIST(1)	4230101	1ENG PIST(1)	5650208
1ENG PIST(1)	2700106	1ENG PIST(1)	3370112	1ENG PIST(1)	3910101	1ENG PIST(1)	4230101	1ENG PIST(1)	57901J3
1ENG PIST(1)	2700108	1ENG PIST(1)	3370114	1ENG PIST(1)	3910102	1ENG PIST(1)	4250202	1ENG PIST(1)	57901P8
1ENG PIST(1)	2740504	1ENG PIST(1)	3370116	1ENG PIST(1)	3910103	1ENG PIST(1)	4300500	1ENG PIST(1)	57901001
1ENG PIST(1)	2740506	1ENG PIST(1)	3370202	1ENG PIST(1)	3910104	1ENG PIST(1)	4320100	1ENG PIST(1)	5810001
1ENG PIST(1)	2740508	1ENG PIST(1)	3370204	1ENG PIST(1)	3910106	1ENG PIST(1)	4331020	1ENG PIST(1)	5810202
1ENG PIST(1)	2743002	1ENG PIST(1)	3370206	1ENG PIST(1)	3910107	1ENG PIST(1)	4331020	1ENG PIST(1)	5910304
1ENG PIST(1)	2800423	1ENG PIST(1)	3370212	1ENG PIST(1)	3910108	1ENG PIST(1)	4550502	1ENG PIST(1)	5910610
1ENG PIST(1)	2800816	1ENG PIST(1)	3370218	1ENG PIST(1)	3910120	1ENG PIST(1)	4552002	1ENG PIST(1)	5910611
1ENG PIST(1)	2900102	1ENG PIST(1)	3370216	1ENG PIST(1)	3910135	1ENG PIST(1)	4552005	1ENG PIST(1)	5920105
1ENG PIST(1)	2990716	1ENG PIST(1)	3370220	1ENG PIST(1)	3910204	1ENG PIST(1)	4571008	1ENG PIST(1)	5940102
1ENG PIST(1)	3020200	1ENG PIST(1)	3370302	1ENG PIST(1)	3910215	1ENG PIST(1)	4650502	1ENG PIST(1)	6000102
1ENG PIST(1)	3020203	1ENG PIST(1)	3371302	1ENG PIST(1)	3910216	1ENG PIST(1)	4650502	1ENG PIST(1)	6000104
1ENG PIST(1)	3020401	1ENG PIST(1)	3371402	1ENG PIST(1)	3910250	1ENG PIST(1)	4690604	1ENG PIST(1)	6070102
1ENG PIST(1)	3020406	1ENG PIST(1)	3371504	1ENG PIST(1)	3910253	1ENG PIST(1)	4700083	1ENG PIST(1)	625011K
1ENG PIST(1)	3020406	1ENG PIST(1)	3371506	1ENG PIST(1)	3910265	1ENG PIST(1)	4700084	1ENG PIST(1)	625018R

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	6250206	1ENG PIST(1)	6480110	1ENG PIST(1)	704031U	1ENG PIST(1)	7100505	1ENG PIST(1)	722066H		
1ENG PIST(1)	6250304	1ENG PIST(1)	6480114	1ENG PIST(1)	704031V	1ENG PIST(1)	7100506	1ENG PIST(1)	722068X		
1ENG PIST(1)	6250305	1ENG PIST(1)	6480132	1ENG PIST(1)	704031X	1ENG PIST(1)	7100507	1ENG PIST(1)	72206CD		
1ENG PIST(1)	6290201	1ENG PIST(1)	6480134	1ENG PIST(1)	704031Z	1ENG PIST(1)	7100508	1ENG PIST(1)	72206CG		
1ENG PIST(1)	6290202	1ENG PIST(1)	6480156	1ENG PIST(1)	704032D	1ENG PIST(1)	7100613	1ENG PIST(1)	72206CN		
1ENG PIST(1)	6290302	1ENG PIST(1)	6770102	1ENG PIST(1)	704032E	1ENG PIST(1)	7100902	1ENG PIST(1)	72206CM		
1ENG PIST(1)	6300128	1ENG PIST(1)	6770112	1ENG PIST(1)	704032G	1ENG PIST(1)	7101204	1ENG PIST(1)	72206DJ		
1ENG PIST(1)	6380854	1ENG PIST(1)	6790102	1ENG PIST(1)	704032H	1ENG PIST(1)	7102004	1ENG PIST(1)	72206DN		
1ENG PIST(1)	6383006	1ENG PIST(1)	6810302	1ENG PIST(1)	704032J	1ENG PIST(1)	7102012	1ENG PIST(1)	72206DQ		
1ENG PIST(1)	6383204	1ENG PIST(1)	6840102	1ENG PIST(1)	704032N	1ENG PIST(1)	7140107	1ENG PIST(1)	7220725		
1ENG PIST(1)	6400411	1ENG PIST(1)	6840104	1ENG PIST(1)	7040329	1ENG PIST(1)	7140189	1ENG PIST(1)	7220797		
1ENG PIST(1)	6400412	1ENG PIST(1)	6840106	1ENG PIST(1)	7040354	1ENG PIST(1)	7180102	1ENG PIST(1)	7220798		
1ENG PIST(1)	6400413	1ENG PIST(1)	6840108	1ENG PIST(1)	7040362	1ENG PIST(1)	7180102	1ENG PIST(1)	7220799		
1ENG PIST(1)	6400414	1ENG PIST(1)	6840109	1ENG PIST(1)	7040366	1ENG PIST(1)	7180302	1ENG PIST(1)	72207A2		
1ENG PIST(1)	6400415	1ENG PIST(1)	6840112	1ENG PIST(1)	7040369	1ENG PIST(1)	7180402	1ENG PIST(1)	72207A6		
1ENG PIST(1)	6400416	1ENG PIST(1)	6840126	1ENG PIST(1)	7040371	1ENG PIST(1)	7180406	1ENG PIST(1)	72207A9		
1ENG PIST(1)	6400417	1ENG PIST(1)	6840132	1ENG PIST(1)	7040374	1ENG PIST(1)	7181002	1ENG PIST(1)	72207B5		
1ENG PIST(1)	6400418	1ENG PIST(1)	6880102	1ENG PIST(1)	7040375	1ENG PIST(1)	7181002	1ENG PIST(1)	72207B7		
1ENG PIST(1)	6400419	1ENG PIST(1)	6930102	1ENG PIST(1)	7040381	1ENG PIST(1)	72201A4	1ENG PIST(1)	72207C2		
1ENG PIST(1)	6400452	1ENG PIST(1)	6930103	1ENG PIST(1)	7040383	1ENG PIST(1)	7220224	1ENG PIST(1)	72207C5		
1ENG PIST(1)	6400470	1ENG PIST(1)	7020208	1ENG PIST(1)	7040384	1ENG PIST(1)	72202F4	1ENG PIST(1)	72207C5		
1ENG PIST(1)	6402201	1ENG PIST(1)	7020215	1ENG PIST(1)	7040386	1ENG PIST(1)	72202MP	1ENG PIST(1)	7221014		
1ENG PIST(1)	6402300	1ENG PIST(1)	7020244	1ENG PIST(1)	7040389	1ENG PIST(1)	72202MU	1ENG PIST(1)	7221015		
1ENG PIST(1)	6402303	1ENG PIST(1)	7020248	1ENG PIST(1)	7040396	1ENG PIST(1)	72202R8	1ENG PIST(1)	7221030		
1ENG PIST(1)	6402307	1ENG PIST(1)	7040112	1ENG PIST(1)	7040398	1ENG PIST(1)	72202RK	1ENG PIST(1)	7221109		
1ENG PIST(1)	6402305	1ENG PIST(1)	704011G	1ENG PIST(1)	7040399	1ENG PIST(1)	72202RV	1ENG PIST(1)	7221110		
1ENG PIST(1)	6402308	1ENG PIST(1)	7040213	1ENG PIST(1)	704039W	1ENG PIST(1)	72202SM	1ENG PIST(1)	7221112		
1ENG PIST(1)	6402309	1ENG PIST(1)	7040222	1ENG PIST(1)	704039Z	1ENG PIST(1)	72202TJ	1ENG PIST(1)	722111A		
1ENG PIST(1)	6402311	1ENG PIST(1)	7040236	1ENG PIST(1)	7070104	1ENG PIST(1)	72202V5	1ENG PIST(1)	722111E		
1ENG PIST(1)	6402315	1ENG PIST(1)	7040240	1ENG PIST(1)	7070204	1ENG PIST(1)	72202ZG	1ENG PIST(1)	722111U		
1ENG PIST(1)	6402316	1ENG PIST(1)	7040251	1ENG PIST(1)	7070302	1ENG PIST(1)	72202ZH	1ENG PIST(1)	722111W		
1ENG PIST(1)	6402322	1ENG PIST(1)	7040254	1ENG PIST(1)	7070308	1ENG PIST(1)	72202ZS	1ENG PIST(1)	722112E		
1ENG PIST(1)	6402323	1ENG PIST(1)	7040258	1ENG PIST(1)	7100202	1ENG PIST(1)	72202ZS	1ENG PIST(1)	722112G		
1ENG PIST(1)	64023AA	1ENG PIST(1)	7040263	1ENG PIST(1)	7100302	1ENG PIST(1)	72202ZS	1ENG PIST(1)	722112G		
1ENG PIST(1)	6402410	1ENG PIST(1)	7040267	1ENG PIST(1)	7100303	1ENG PIST(1)	7220401	1ENG PIST(1)	7221152		
1ENG PIST(1)	6402500	1ENG PIST(1)	7040315	1ENG PIST(1)	7100304	1ENG PIST(1)	7220404	1ENG PIST(1)	7221165		
1ENG PIST(1)	6458006	1ENG PIST(1)	704031B	1ENG PIST(1)	7100402	1ENG PIST(1)	7220450	1ENG PIST(1)	7221167		
1ENG PIST(1)	6480102	1ENG PIST(1)	704031C	1ENG PIST(1)	7100501	1ENG PIST(1)	7220502	1ENG PIST(1)	7221177		
1ENG PIST(1)	6480104	1ENG PIST(1)	704031D	1ENG PIST(1)	7100502	1ENG PIST(1)	7220530	1ENG PIST(1)	7221197		
1ENG PIST(1)	6480108	1ENG PIST(1)	704031P	1ENG PIST(1)	7100503	1ENG PIST(1)	7220532	1ENG PIST(1)	7221235		
							7220534	1ENG PIST(1)	7221237		
							7220661	1ENG PIST(1)	7221312		
							7220697	1ENG PIST(1)	7221313		
							72206AU	1ENG PIST(1)	7221319		
							72206AV	1ENG PIST(1)	7221410		

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	7221411	1ENG PIST(1)	8250104	1ENG PIST(1)	8650811	1ENG PIST(1)	86603EH	1ENG PIST(1)	8800009
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1ENG PIST(1)	72217A9	1ENG PIST(1)	835015P	1ENG PIST(1)	8650907	1ENG PIST(1)	86603EN	1ENG PIST(1)	8850102
1ENG PIST(1)	72217B2	1ENG PIST(1)	8350185	1ENG PIST(1)	86509MN	1ENG PIST(1)	86603ER	1ENG PIST(1)	8850202
1ENG PIST(1)	72217B4	1ENG PIST(1)	83501RH	1ENG PIST(1)	8651112	1ENG PIST(1)	86603ES	1ENG PIST(1)	8850301
1ENG PIST(1)	72217B8	1ENG PIST(1)	8350224	1ENG PIST(1)	8651212	1ENG PIST(1)	86603ET	1ENG PIST(1)	8850326
1ENG PIST(1)	72217C3	1ENG PIST(1)	8350231	1ENG PIST(1)	8651217	1ENG PIST(1)	86603EU	1ENG PIST(1)	8850332
1ENG PIST(1)	7280102	1ENG PIST(1)	8350257	1ENG PIST(1)	8660154	1ENG PIST(1)	86603FC	1ENG PIST(1)	8850336
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1ENG PIST(1)	7680102	1ENG PIST(1)	8350263	1ENG PIST(1)	86601AR	1ENG PIST(1)	8660426	1ENG PIST(1)	8850907
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1ENG PIST(1)	7680107	1ENG PIST(1)	8430206	1ENG PIST(1)	8660264	1ENG PIST(1)	8660517	1ENG PIST(1)	8850912
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1ENG PIST(1)	7680120	1ENG PIST(1)	8430210	1ENG PIST(1)	8660291	1ENG PIST(1)	8660525	1ENG PIST(1)	8860102
1ENG PIST(1)	7680202	1ENG PIST(1)	8470102	1ENG PIST(1)	8660339	1ENG PIST(1)	8660536	1ENG PIST(1)	8880102
1ENG PIST(1)	7680204	1ENG PIST(1)	8470107	1ENG PIST(1)	8660365	1ENG PIST(1)	8660543	1ENG PIST(1)	8890601
1ENG PIST(1)	7680306	1ENG PIST(1)	8480102	1ENG PIST(1)	8660367	1ENG PIST(1)	8660545	1ENG PIST(1)	8940202
1ENG PIST(1)	7680304	1ENG PIST(1)	8480104	1ENG PIST(1)	8660368	1ENG PIST(1)	8660547	1ENG PIST(1)	8951001
1ENG PIST(1)	7680312	1ENG PIST(1)	8480106	1ENG PIST(1)	8660370	1ENG PIST(1)	8660551	1ENG PIST(1)	8951030
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1ENG PIST(1)	7830505	1ENG PIST(1)	8560304	1ENG PIST(1)	86603AY	1ENG PIST(1)	8660812	1ENG PIST(1)	89510C3
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1ENG PIST(1)	8050801	1ENG PIST(1)	8570102	1ENG PIST(1)	86603BY	1ENG PIST(1)	8730206	1ENG PIST(1)	89510J1
1ENG PIST(1)	8058057	1ENG PIST(1)	8630102	1ENG PIST(1)	86603CP	1ENG PIST(1)	8730208	1ENG PIST(1)	89510J4
1ENG PIST(1)	8059053	1ENG PIST(1)	8630114	1ENG PIST(1)	86603CU	1ENG PIST(1)	8730302	1ENG PIST(1)	89510J6
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1ENG PIST(1)	8121206	1ENG PIST(1)	865025G	1ENG PIST(1)	86603DK	1ENG PIST(1)	8730402	1ENG PIST(1)	89510K9
1ENG PIST(1)	8121207	1ENG PIST(1)	86502T1	1ENG PIST(1)	86603DM	1ENG PIST(1)	8730404	1ENG PIST(1)	89510L2
1ENG PIST(1)	8121208	1ENG PIST(1)	86502Z3	1ENG PIST(1)	86603DN	1ENG PIST(1)	8730414	1ENG PIST(1)	89510L7
1ENG PIST(1)	8121209	1ENG PIST(1)	8650604	1ENG PIST(1)	86603DV	1ENG PIST(1)	8730420	1ENG PIST(1)	89510M5
1ENG PIST(1)	8121210	1ENG PIST(1)	8650616	1ENG PIST(1)	86603DY	1ENG PIST(1)	8760202	1ENG PIST(1)	89510M7
1ENG PIST(1)	8250102	1ENG PIST(1)	8650806	1ENG PIST(1)	86603EA	1ENG PIST(1)	8800005	1ENG PIST(1)	89510N4
1ENG PIST(1)		1ENG PIST(1)	8650810	1ENG PIST(1)	86603EC	1ENG PIST(1)	8800008	1ENG PIST(1)	89510N6

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(1)	89510P5	1ENG PIST(1)	9570412	1ENG PIST(1)	9570730	1ENG PIST(1)	95708AZ	1ENG PIST(1)	95708AZ	1ENG PIST(1)	9790531
1ENG PIST(1)	89510P7	1ENG PIST(1)	9570418	1ENG PIST(1)	9570733	1ENG PIST(1)	95708BA	1ENG PIST(1)	95708BA	1ENG PIST(1)	9790801
1ENG PIST(1)	89510O7	1ENG PIST(1)	9570419	1ENG PIST(1)	9570737	1ENG PIST(1)	95708BB	1ENG PIST(1)	95708BB	1ENG PIST(1)	9790830
1ENG PIST(1)	89510O8A	1ENG PIST(1)	9570420	1ENG PIST(1)	9570743	1ENG PIST(1)	95708BY	1ENG PIST(1)	95708BY	1ENG PIST(1)	9790844
1ENG PIST(1)	89510R1	1ENG PIST(1)	9570423	1ENG PIST(1)	9570744	1ENG PIST(1)	95708CF	1ENG PIST(1)	95708CF	1ENG PIST(1)	9790847
1ENG PIST(1)	89510R4	1ENG PIST(1)	9570426	1ENG PIST(1)	9570745	1ENG PIST(1)	95708CH	1ENG PIST(1)	95708CH	1ENG PIST(1)	9790848
1ENG PIST(1)	89510R9	1ENG PIST(1)	9570433	1ENG PIST(1)	9570747	1ENG PIST(1)	95708CJ	1ENG PIST(1)	95708CJ	1ENG PIST(1)	9790853
1ENG PIST(1)	89510S3	1ENG PIST(1)	9570435	1ENG PIST(1)	9570751	1ENG PIST(1)	95708CK	1ENG PIST(1)	95708CK	1ENG PIST(1)	9790856
1ENG PIST(1)	89510U1	1ENG PIST(1)	9570436	1ENG PIST(1)	9570778	1ENG PIST(1)	95708CV	1ENG PIST(1)	95708CV	1ENG PIST(1)	9790857
1ENG PIST(1)	89510U9	1ENG PIST(1)	9570438	1ENG PIST(1)	9570783	1ENG PIST(1)	95708CZ	1ENG PIST(1)	95708CZ	1ENG PIST(1)	9790858
1ENG PIST(1)	89510V2	1ENG PIST(1)	9570501	1ENG PIST(1)	9570788	1ENG PIST(1)	95708DB	1ENG PIST(1)	95708DB	1ENG PIST(1)	9790859
1ENG PIST(1)	89510V6	1ENG PIST(1)	9570504	1ENG PIST(1)	9570793	1ENG PIST(1)	95708DE	1ENG PIST(1)	95708DE	1ENG PIST(1)	9790860
1ENG PIST(1)	89510V7	1ENG PIST(1)	9570510	1ENG PIST(1)	9570807	1ENG PIST(1)	95708DF	1ENG PIST(1)	95708DF	1ENG PIST(1)	9790861
1ENG PIST(1)	89510V8	1ENG PIST(1)	9570514	1ENG PIST(1)	9570810	1ENG PIST(1)	95708DM	1ENG PIST(1)	95708DM	1ENG PIST(1)	9790862
1ENG PIST(1)	89604O4	1ENG PIST(1)	9570510	1ENG PIST(1)	9570814	1ENG PIST(1)	95708EC	1ENG PIST(1)	95708EC	1ENG PIST(1)	9810102
1ENG PIST(1)	89801O2	1ENG PIST(1)	9570516	1ENG PIST(1)	9570816	1ENG PIST(1)	95708ED	1ENG PIST(1)	95708ED	1ENG PIST(1)	9810103
1ENG PIST(1)	89802O2	1ENG PIST(1)	957051L	1ENG PIST(1)	9570818	1ENG PIST(1)	95708EH	1ENG PIST(1)	95708EH	1ENG PIST(1)	9810104
1ENG PIST(1)	92502O2	1ENG PIST(1)	9570522	1ENG PIST(1)	9570819	1ENG PIST(1)	95708EH	1ENG PIST(1)	95708EH	1ENG PIST(1)	9810107
1ENG PIST(1)	92503I2	1ENG PIST(1)	9570524	1ENG PIST(1)	9570823	1ENG PIST(1)	95708EM	1ENG PIST(1)	95708EM	1ENG PIST(1)	9810108
1ENG PIST(1)	92503O2	1ENG PIST(1)	957052N	1ENG PIST(1)	9570841	1ENG PIST(1)	95708EN	1ENG PIST(1)	95708EN	1ENG PIST(1)	9830102
1ENG PIST(1)	92503I2	1ENG PIST(1)	957052Q	1ENG PIST(1)	9570849	1ENG PIST(1)	95708ER	1ENG PIST(1)	95708ER	1ENG PIST(1)	9830103
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1ENG PIST(1)	92505I2	1ENG PIST(1)	9570533	1ENG PIST(1)	9570857	1ENG PIST(1)	95708EX	1ENG PIST(1)	95708EX	1ENG PIST(1)	9830110
1ENG PIST(1)	93501O4	1ENG PIST(1)	957053B	1ENG PIST(1)	9570861	1ENG PIST(1)	95708FA	1ENG PIST(1)	95708FA	1ENG PIST(1)	9830112
1ENG PIST(1)	93501O5	1ENG PIST(1)	9570543	1ENG PIST(1)	9570866	1ENG PIST(1)	95708FC	1ENG PIST(1)	95708FC	1ENG PIST(1)	9830115
1ENG PIST(1)	94701O1	1ENG PIST(1)	9570548	1ENG PIST(1)	9570871	1ENG PIST(1)	95708FE	1ENG PIST(1)	95708FE	1ENG PIST(1)	9830117
1ENG PIST(1)	9470113	1ENG PIST(1)	9570551	1ENG PIST(1)	9570872	1ENG PIST(1)	95708FD	1ENG PIST(1)	95708FD	1ENG PIST(1)	9830118
1ENG PIST(1)	9470122	1ENG PIST(1)	9570558	1ENG PIST(1)	9570874	1ENG PIST(1)	95708FE	1ENG PIST(1)	95708FE	1ENG PIST(1)	9830119
1ENG PIST(1)	95201O2	1ENG PIST(1)	9570577	1ENG PIST(1)	9570876	1ENG PIST(1)	95708FG	1ENG PIST(1)	95708FG	1ENG PIST(1)	9830220
1ENG PIST(1)	95201O4	1ENG PIST(1)	9570579	1ENG PIST(1)	9570881	1ENG PIST(1)	95708FJ	1ENG PIST(1)	95708FJ	1ENG PIST(1)	9830102
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1ENG PIST(1)	9570315	1ENG PIST(1)	9570589	1ENG PIST(1)	9570894	1ENG PIST(1)	95708FQ	1ENG PIST(1)	95708FQ	1ENG PIST(1)	9850104
1ENG PIST(1)	9570323	1ENG PIST(1)	9570596	1ENG PIST(1)	9570899	1ENG PIST(1)	95708FX	1ENG PIST(1)	95708FX	1ENG PIST(1)	9970203
1ENG PIST(1)	9570325	1ENG PIST(1)	95705ZA	1ENG PIST(1)	95708AC	1ENG PIST(1)	95708GB	1ENG PIST(1)	95708GB	1ENG PIST(2)	0380102
1ENG PIST(1)	9570327	1ENG PIST(1)	9570613	1ENG PIST(1)	95708AD	1ENG PIST(1)	9630602	1ENG PIST(2)	9630602	1ENG PIST(2)	05611HP
1ENG PIST(1)	9570332	1ENG PIST(1)	9570705	1ENG PIST(1)	95708AG	1ENG PIST(1)	9630605	1ENG PIST(2)	9630605	1ENG PIST(2)	056122M
1ENG PIST(1)	9570334	1ENG PIST(1)	9570708	1ENG PIST(1)	95708AH	1ENG PIST(1)	9640101	1ENG PIST(2)	9640101	1ENG PIST(2)	056124J
1ENG PIST(1)	9570346	1ENG PIST(1)	9570709	1ENG PIST(1)	95708AK	1ENG PIST(1)	9740102	1ENG PIST(2)	9740102	1ENG PIST(2)	056125G
1ENG PIST(1)	9570347	1ENG PIST(1)	9570712	1ENG PIST(1)	95708AL	1ENG PIST(1)	97902A6	1ENG PIST(2)	97902A6	1ENG PIST(2)	056129T
1ENG PIST(1)	9570355	1ENG PIST(1)	9570723	1ENG PIST(1)	95708AS	1ENG PIST(1)	97902J2	1ENG PIST(2)	97902J2	1ENG PIST(2)	056128W
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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(2)	05612RC	1ENG PIST(2)	05618NC	1ENG PIST(2)	05623UF	1ENG PIST(2)	11304A8	1ENG PIST(2)	11304A8	1ENG PIST(2)	3640101
1ENG PIST(2)	05612RE	1ENG PIST(2)	05618U2	1ENG PIST(2)	05623UH	1ENG PIST(2)	11304B8	1ENG PIST(2)	11304B8	1ENG PIST(2)	4090202
1ENG PIST(2)	05612SF	1ENG PIST(2)	05618XD	1ENG PIST(2)	05623XM	1ENG PIST(2)	11304C7	1ENG PIST(2)	11304C7	1ENG PIST(2)	4160204
1ENG PIST(2)	056133G	1ENG PIST(2)	05618YC	1ENG PIST(2)	05623ZE	1ENG PIST(2)	11304D3	1ENG PIST(2)	11304D3	1ENG PIST(2)	4300102
1ENG PIST(2)	05613PC	1ENG PIST(2)	05618ZJ	1ENG PIST(2)	05623ZX	1ENG PIST(2)	11304D6	1ENG PIST(2)	11304D6	1ENG PIST(2)	4300106
1ENG PIST(2)	05613PV	1ENG PIST(2)	05618ZV	1ENG PIST(2)	0562426	1ENG PIST(2)	11304D7	1ENG PIST(2)	11304D7	1ENG PIST(2)	4300202
1ENG PIST(2)	05613VU	1ENG PIST(2)	056202X	1ENG PIST(2)	0562438	1ENG PIST(2)	11304E5	1ENG PIST(2)	11304E5	1ENG PIST(2)	4300206
1ENG PIST(2)	056162J	1ENG PIST(2)	056200X	1ENG PIST(2)	05624AH	1ENG PIST(2)	11304E8	1ENG PIST(2)	11304E8	1ENG PIST(2)	4300302
1ENG PIST(2)	0561657	1ENG PIST(2)	05620HA	1ENG PIST(2)	05624BA	1ENG PIST(2)	11304F2	1ENG PIST(2)	11304F2	1ENG PIST(2)	4690101
1ENG PIST(2)	056166J	1ENG PIST(2)	05620HE	1ENG PIST(2)	05624C2	1ENG PIST(2)	11304F9	1ENG PIST(2)	11304F9	1ENG PIST(2)	4690302
1ENG PIST(2)	056167H	1ENG PIST(2)	05620HS	1ENG PIST(2)	05624EM	1ENG PIST(2)	11304G9	1ENG PIST(2)	11304G9	1ENG PIST(2)	5110202
1ENG PIST(2)	0561698	1ENG PIST(2)	05620MB	1ENG PIST(2)	05624FJ	1ENG PIST(2)	11304H1	1ENG PIST(2)	11304H1	1ENG PIST(2)	5110321
1ENG PIST(2)	056169W	1ENG PIST(2)	05620MC	1ENG PIST(2)	05624HQ	1ENG PIST(2)	11304H2	1ENG PIST(2)	11304H2	1ENG PIST(2)	5120202
1ENG PIST(2)	0561681	1ENG PIST(2)	05620MG	1ENG PIST(2)	05624JP	1ENG PIST(2)	1130526	1ENG PIST(2)	1130526	1ENG PIST(2)	5261002
1ENG PIST(2)	056168N	1ENG PIST(2)	05620MJ	1ENG PIST(2)	05624JQ	1ENG PIST(2)	1200602	1ENG PIST(2)	1200602	1ENG PIST(2)	5261022
1ENG PIST(2)	056168R	1ENG PIST(2)	05620TY	1ENG PIST(2)	0562516	1ENG PIST(2)	1200702	1ENG PIST(2)	1200702	1ENG PIST(2)	5261202
1ENG PIST(2)	056161E	1ENG PIST(2)	056223E	1ENG PIST(2)	05649DG	1ENG PIST(2)	1225051	1ENG PIST(2)	1225051	1ENG PIST(2)	5400111
1ENG PIST(2)	0561642	1ENG PIST(2)	056223Q	1ENG PIST(2)	056558P	1ENG PIST(2)	1225052	1ENG PIST(2)	1225052	1ENG PIST(2)	5410103
1ENG PIST(2)	0561684	1ENG PIST(2)	056223S	1ENG PIST(2)	05655TH	1ENG PIST(2)	1922830	1ENG PIST(2)	1922830	1ENG PIST(2)	5460175
1ENG PIST(2)	0561605	1ENG PIST(2)	056228F	1ENG PIST(2)	05659Y1	1ENG PIST(2)	2070402	1ENG PIST(2)	2070402	1ENG PIST(2)	5460180
1ENG PIST(2)	05616VG	1ENG PIST(2)	056229X	1ENG PIST(2)	0566304	1ENG PIST(2)	2070502	1ENG PIST(2)	2070502	1ENG PIST(2)	5460185
1ENG PIST(2)	0561629	1ENG PIST(2)	05622AK	1ENG PIST(2)	0566501	1ENG PIST(2)	2070702	1ENG PIST(2)	2070702	1ENG PIST(2)	5460186
1ENG PIST(2)	056167C	1ENG PIST(2)	05622BC	1ENG PIST(2)	0566508	1ENG PIST(2)	2070801	1ENG PIST(2)	2070801	1ENG PIST(2)	5470203
1ENG PIST(2)	0561814	1ENG PIST(2)	05622BN	1ENG PIST(2)	0566509	1ENG PIST(2)	2070902	1ENG PIST(2)	2070902	1ENG PIST(2)	5470206
1ENG PIST(2)	0561831	1ENG PIST(2)	05622BW	1ENG PIST(2)	0566516	1ENG PIST(2)	2071002	1ENG PIST(2)	2071002	1ENG PIST(2)	5470211
1ENG PIST(2)	0561838	1ENG PIST(2)	056233C	1ENG PIST(2)	0566518	1ENG PIST(2)	2071102	1ENG PIST(2)	2071102	1ENG PIST(2)	5650304
1ENG PIST(2)	0561853	1ENG PIST(2)	05623A5	1ENG PIST(2)	0566519	1ENG PIST(2)	2620904	1ENG PIST(2)	2620904	1ENG PIST(2)	5870402
1ENG PIST(2)	056185U	1ENG PIST(2)	05623B8	1ENG PIST(2)	056905V	1ENG PIST(2)	2621104	1ENG PIST(2)	2621104	1ENG PIST(2)	5910313
1ENG PIST(2)	0561867	1ENG PIST(2)	05623CR	1ENG PIST(2)	05690B7	1ENG PIST(2)	2621108	1ENG PIST(2)	2621108	1ENG PIST(2)	6080102
1ENG PIST(2)	0561888	1ENG PIST(2)	05623FL	1ENG PIST(2)	05690N7	1ENG PIST(2)	2621902	1ENG PIST(2)	2621902	1ENG PIST(2)	6330204
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1ENG PIST(2)	0561894	1ENG PIST(2)	05623J8	1ENG PIST(2)	0620104	1ENG PIST(2)	2621908	1ENG PIST(2)	2621908	1ENG PIST(2)	6380105
1ENG PIST(2)	05618EF	1ENG PIST(2)	05623JH	1ENG PIST(2)	0620104	1ENG PIST(2)	2800202	1ENG PIST(2)	2800202	1ENG PIST(2)	6380109
1ENG PIST(2)	05618FX	1ENG PIST(2)	05623JL	1ENG PIST(2)	0881211	1ENG PIST(2)	2800203	1ENG PIST(2)	2800203	1ENG PIST(2)	6750102
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1ENG PIST(2)	05618JR	1ENG PIST(2)	05623QX	1ENG PIST(2)	1130436	1ENG PIST(2)	3200502	1ENG PIST(2)	3200502	1ENG PIST(2)	7090114
1ENG PIST(2)	05618MB	1ENG PIST(2)	05623R6	1ENG PIST(2)	1130444	1ENG PIST(2)	3371102	1ENG PIST(2)	3371102	1ENG PIST(2)	7090122
1ENG PIST(2)	05618MT	1ENG PIST(2)	05623UC	1ENG PIST(2)	1130457	1ENG PIST(2)	3371102	1ENG PIST(2)	3371102	1ENG PIST(2)	7530302
1ENG PIST(2)	05618MT	1ENG PIST(2)	05623UC	1ENG PIST(2)	1130484	1ENG PIST(2)	3371102	1ENG PIST(2)	3371102	1ENG PIST(2)	7630303

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
1ENG PIST(2)	7840102	1ENG TURB(6)	3375011	2ENG PIST(3)	1150204	2ENG PIST(3)	25260206	2ENG PIST(3)	5260206
1ENG PIST(2)	7840202	1ENG TURB(6)	3375012	2ENG PIST(3)	1152526	2ENG PIST(3)	5260207	2ENG PIST(3)	5260207
1ENG PIST(2)	7840204	1ENG TURB(6)	3400204	2ENG PIST(3)	1470104	2ENG PIST(3)	526020A	2ENG PIST(3)	526020A
1ENG PIST(2)	8120412	1ENG TURB(6)	3960204	2ENG PIST(3)	1890102	2ENG PIST(3)	5430102	2ENG PIST(3)	5430102
1ENG PIST(2)	8140502	1ENG TURB(6)	4301006	2ENG PIST(3)	1890108	2ENG PIST(3)	6400702	2ENG PIST(3)	6400702
1ENG PIST(2)	8140504	1ENG TURB(6)	5470210	2ENG PIST(3)	2075601	2ENG PIST(3)	6400704	2ENG PIST(3)	6400704
1ENG PIST(2)	8400125	1ENG TURB(6)	7090210	2ENG PIST(3)	2110204	2ENG PIST(3)	6400708	2ENG PIST(3)	6400708
1ENG PIST(2)	8400131	1ENG TURB(6)	7090212	2ENG PIST(3)	2370152	2ENG PIST(3)	6400710	2ENG PIST(3)	6400710
1ENG PIST(2)	8400135	1ENG TURB(6)	7090214	2ENG PIST(3)	2421208	2ENG PIST(3)	6400711	2ENG PIST(3)	6400711
1ENG PIST(2)	8402838	1ENG TURB(6)	7102409	2ENG PIST(3)	2421218	2ENG PIST(3)	6400712	2ENG PIST(3)	6400712
1ENG PIST(2)	8402842	1ENG TURB(6)	8059056	2ENG PIST(3)	2421230	2ENG PIST(3)	6400714	2ENG PIST(3)	6400714
1ENG PIST(2)	8430302	1ENG TURB(6)	8121220	2ENG PIST(3)	2421302	2ENG PIST(3)	6400718	2ENG PIST(3)	6400718
1ENG PIST(2)	8630402	1ENG TURB(6)	8680699	2ENG PIST(3)	3020306	2ENG PIST(3)	6400718	2ENG PIST(3)	6400718
1ENG PIST(2)	8630404	1ENG TURB(6)	8682000	2ENG PIST(3)	3020502	2ENG PIST(3)	6780104	2ENG PIST(3)	6780104
1ENG PIST(2)	8630406	1ENG TURB(6)	957053C	2ENG PIST(3)	3020504	2ENG PIST(3)	6960104	2ENG PIST(3)	6960104
1ENG PIST(2)	8630602	1ENG TURB(6)	957053F	2ENG PIST(3)	3020506	2ENG PIST(3)	6960106	2ENG PIST(3)	6960106
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1ENG PIST(2)	8630704	1ENG TURB(6)	957053H	2ENG PIST(3)	3020514	2ENG PIST(3)	7106010	2ENG PIST(3)	7106010
1ENG PIST(2)	8630802	1ENG TURB(6)	9570845	2ENG PIST(3)	3020518	2ENG PIST(3)	8640202	2ENG PIST(3)	8640202
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1ENG PIST(2)	8631108	1ENG TURB(6)	957088C	2ENG PIST(3)	3020526	2ENG PIST(3)	9230604	2ENG PIST(3)	9230604
1ENG PIST(2)	8631202	1ENG TURB(6)	957088D	2ENG PIST(3)	3020526	2ENG PIST(3)	9230606	2ENG PIST(3)	9230606
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1ENG PIST(2)	8631304	1ENG TURB(6)	95708FU	2ENG PIST(3)	3340104	2ENG PIST(3)	9230610	2ENG PIST(3)	9230610
1ENG PIST(2)	8631306	1ENG TURB(6)	9630604	2ENG PIST(3)	3340106	2ENG PIST(3)	9230612	2ENG PIST(3)	9230612
1ENG PIST(2)	8631404	1ENG TURB(6)	0141202	2ENG PIST(3)	3950405	2ENG PIST(3)	9690302	2ENG PIST(3)	9690302
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1ENG PIST(2)	8631416	1ENG TURB(6)	05613UE	2ENG PIST(3)	3951006	2ENG PIST(3)	1152801	2ENG PIST(4)	1152801
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1ENG PIST(2)	8631508	1ENG TURB(6)	056162P	2ENG PIST(3)	3951013	2ENG PIST(3)	2075901	2ENG PIST(4)	2075901
1ENG PIST(2)	8631508	1ENG TURB(6)	0561868	2ENG PIST(3)	3951102	2ENG PIST(3)	2075902	2ENG PIST(4)	2075902
1ENG PIST(2)	8631518	1ENG TURB(6)	05618A8	2ENG PIST(3)	3951104	2ENG PIST(3)	2075904	2ENG PIST(4)	2075904
1ENG PIST(2)	8631526	1ENG TURB(6)	056201D	2ENG PIST(3)	3951110	2ENG PIST(3)	2075907	2ENG PIST(4)	2075907
1ENG PIST(2)	8631608	1ENG TURB(6)	05649AB	2ENG PIST(3)	3951102	2ENG PIST(3)	2075908	2ENG PIST(4)	2075908
1ENG PIST(2)	8631614	1ENG TURB(6)	05649AX	2ENG PIST(3)	3970107	2ENG PIST(3)	2422202	2ENG PIST(4)	2422202
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1ENG PIST(2)	8631620	1ENG TURB(6)	0565882	2ENG PIST(3)	5260110	2ENG PIST(3)	2422612	2ENG PIST(4)	2422612
1ENG PIST(2)	8631620	1ENG TURB(6)	1100102	2ENG PIST(3)	5260112	2ENG PIST(3)	2422644	2ENG PIST(4)	2422644
1ENG PIST(2)	8631902	1ENG TURB(6)	1100302	2ENG PIST(3)	5260201	2ENG PIST(3)	2422652	2ENG PIST(4)	2422652
1ENG PIST(2)	8631902	1ENG TURB(6)	2808005	2ENG PIST(3)	5260205	2ENG PIST(3)			

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
2ENG PIST(4)	242270A	2ENG PIST(4)	3950414	2ENG TJT(10)	2730140	2ENG TURB(7)	2076017	2ENG TURB(8)	3260202	2ENG TURB(8)	3260202
2ENG PIST(4)	2422902	2ENG PIST(4)	3951202	2ENG TJT(10)	3022036	2ENG TURB(7)	2422811	2ENG TURB(8)	3373002	2ENG TURB(8)	3373002
2ENG PIST(4)	2422903	2ENG PIST(4)	3951216	2ENG TJT(10)	302203K	2ENG TURB(7)	3950105	2ENG TURB(8)	3373006	2ENG TURB(8)	3373006
2ENG PIST(4)	2422904	2ENG PIST(4)	4230135	2ENG TJT(10)	3022082	2ENG TURB(7)	3950407	2ENG TURB(8)	3373008	2ENG TURB(8)	3373008
2ENG PIST(4)	2422905	2ENG PIST(4)	4390102	2ENG TJT(10)	3023702	2ENG TURB(7)	3950408	2ENG TURB(8)	3373016	2ENG TURB(8)	3373016
2ENG PIST(4)	2423005	2ENG PIST(4)	4460114	2ENG TJT(10)	3023703	2ENG TURB(7)	3951000	2ENG TURB(8)	3373018	2ENG TURB(8)	3373018
2ENG PIST(4)	2423006	2ENG PIST(4)	5260104	2ENG TJT(10)	3024001	2ENG TURB(7)	3951802	2ENG TURB(8)	3373046	2ENG TURB(8)	3373046
2ENG PIST(4)	2622604	2ENG PIST(4)	5260106	2ENG TJT(10)	3026208	2ENG TURB(7)	3951902	2ENG TURB(8)	3373050	2ENG TURB(8)	3373050
2ENG PIST(4)	2622608	2ENG PIST(4)	5261302	2ENG TJT(10)	3372107	2ENG TURB(7)	3970404	2ENG TURB(8)	3377521	2ENG TURB(8)	3377521
2ENG PIST(4)	2622708	2ENG PIST(4)	5261314	2ENG TJT(10)	3820103	2ENG TURB(7)	3970600	2ENG TURB(8)	3880102	2ENG TURB(8)	3880102
2ENG PIST(4)	2800302	2ENG PIST(4)	5261402	2ENG TJT(10)	4071204	2ENG TURB(7)	5550105	2ENG TURB(8)	3880103	2ENG TURB(8)	3880103
2ENG PIST(4)	2800304	2ENG PIST(4)	5261502	2ENG TJT(10)	4230131	2ENG TURB(7)	5550120	2ENG TURB(8)	3880104	2ENG TURB(8)	3880104
2ENG PIST(4)	2800305	2ENG PIST(4)	5261602	2ENG TJT(10)	4230138	2ENG TURB(7)	5550121	2ENG TURB(8)	3960301	2ENG TURB(8)	3960301
2ENG PIST(4)	2800404	2ENG PIST(4)	5261634	2ENG TJT(10)	4270202	2ENG TURB(7)	5660103	2ENG TURB(8)	4130402	2ENG TURB(8)	4130402
2ENG PIST(4)	2800406	2ENG PIST(4)	5261640	2ENG TJT(10)	4500101	2ENG TURB(7)	6780110	2ENG TURB(8)	6380526	2ENG TURB(8)	6380526
2ENG PIST(4)	2800410	2ENG PIST(4)	5261642	2ENG TJT(10)	5170102	2ENG TURB(7)	6780112	2ENG TURB(8)	7850100	2ENG TURB(8)	7850100
2ENG PIST(4)	2800412	2ENG PIST(4)	5450106	2ENG TJT(10)	5170528	2ENG TURB(7)	6960204	2ENG TURB(8)	7860100	2ENG TURB(8)	7860100
2ENG PIST(4)	2990102	2ENG PIST(4)	5450702	2ENG TJT(10)	5170707	2ENG TURB(7)	7534006	2ENG TURB(8)	8100510	2ENG TURB(8)	8100510
2ENG PIST(4)	2991404	2ENG PIST(4)	6780103	2ENG TJT(10)	5260107	2ENG TURB(7)	7535726	2ENG TURB(8)	8100512	2ENG TURB(8)	8100512
2ENG PIST(4)	3020104	2ENG PIST(4)	6780105	2ENG TJT(10)	5520402	2ENG TURB(7)	7630514	2ENG TURB(8)	8110102	2ENG TURB(8)	8110102
2ENG PIST(4)	3021302	2ENG PIST(4)	6780106	2ENG TJT(10)	5622101	2ENG TURB(7)	7630514	2ENG TURB(8)	8110102	2ENG TURB(8)	8110102
2ENG PIST(4)	3021461	2ENG PIST(4)	6780108	2ENG TJT(10)	5910102	2ENG TURB(7)	7630514	2ENG TURB(8)	8680945	2ENG TURB(8)	8680945
2ENG PIST(4)	3021462	2ENG PIST(4)	6960202	2ENG TJT(10)	5910106	2ENG TURB(7)	1152929	2ENG TURB(8)	8680805	2ENG TURB(8)	8680805
2ENG PIST(4)	3021466	2ENG PIST(4)	7630410	2ENG TJT(10)	5910108	2ENG TURB(7)	1386002	2ENG TURB(8)	8680806	2ENG TURB(8)	8680806
2ENG PIST(4)	3021467	2ENG PIST(4)	7630513	2ENG TJT(10)	6400443	2ENG TURB(7)	1500501	2ENG TURB(8)	8680807	2ENG TURB(8)	8680807
2ENG PIST(4)	3021469	2ENG PIST(4)	8100605	2ENG TJT(10)	6402509	2ENG TURB(7)	1520376	2ENG TURB(8)	8680810	2ENG TURB(8)	8680810
2ENG PIST(4)	302146U	2ENG PIST(4)	8100605	2ENG TJT(10)	6402513	2ENG TURB(7)	2410200	2ENG TURB(8)	8680812	2ENG TURB(8)	8680812
2ENG PIST(4)	3021471	2ENG PIST(4)	8140705	2ENG TJT(10)	6402515	2ENG TURB(7)	2410202	2ENG TURB(8)	8680970	2ENG TURB(8)	8680970
2ENG PIST(4)	3021478	2ENG PIST(4)	8140705	2ENG TJT(10)	6402523	2ENG TURB(7)	2410204	2ENG TURB(8)	8680207	2ENG TURB(8)	8680207
2ENG PIST(4)	302146X	2ENG PIST(4)	05644VD	2ENG TJT(10)	6450604	2ENG TURB(7)	2410205	2ENG TURB(8)	8680515	2ENG TURB(8)	8680515
2ENG PIST(4)	302146Z	2ENG PIST(4)	138404F	2ENG TJT(10)	6458004	2ENG TURB(7)	2410205	2ENG TURB(8)	8680605	2ENG TURB(8)	8680605
2ENG PIST(4)	302147J	2ENG PIST(4)	138404J	2ENG TJT(10)	7450001	2ENG TURB(7)	2422801	2ENG TURB(8)	8680615	2ENG TURB(8)	8680615
2ENG PIST(4)	3021474	2ENG PIST(4)	1384451	2ENG TJT(10)	8680661	2ENG TURB(7)	2422804	2ENG TURB(8)	0260109	2ENG TURB(8)	0260109
2ENG PIST(4)	3021478	2ENG PIST(4)	138447J	2ENG TJT(10)	8680661	2ENG TURB(7)	2422806	2ENG TURB(8)	0260112	2ENG TURB(8)	0260112
2ENG PIST(4)	3021495	2ENG PIST(4)	138448M	2ENG TURB(7)	1151007	2ENG TURB(8)	2422806	2ENG TURB(8)	0260118	2ENG TURB(8)	0260118
2ENG PIST(4)	3372108	2ENG PIST(4)	138448Y	2ENG TURB(7)	1151009	2ENG TURB(8)	2423001	2ENG TURB(8)	0260120	2ENG TURB(8)	0260120
2ENG PIST(4)	3372102	2ENG PIST(4)	138448Y	2ENG TURB(7)	1151011	2ENG TURB(8)	2800417	2ENG TURB(8)	0260502	2ENG TURB(8)	0260502
2ENG PIST(4)	3372202	2ENG PIST(4)	1480208	2ENG TJT(10)	1480208	2ENG TURB(7)	2800418	2ENG TURB(8)	0144202	2ENG TURB(8)	0144202
2ENG PIST(4)	3950401	2ENG PIST(4)	1480268	2ENG TJT(10)	1480268	2ENG TURB(7)	2800418	2ENG TURB(8)	0144204	2ENG TURB(8)	0144204
2ENG PIST(4)	3950404	2ENG PIST(4)	1480280	2ENG TJT(10)	1480280	2ENG TURB(7)	2992020	2ENG TURB(8)	0144206	2ENG TURB(8)	0144206
2ENG PIST(4)	3950406	2ENG PIST(4)	1480307	2ENG TJT(10)	1480307	2ENG TURB(7)	2992030	2ENG TURB(8)	1850102	2ENG TURB(8)	1850102
2ENG PIST(4)	3950409	2ENG PIST(4)	1900309	2ENG TJT(10)	1900309	2ENG TURB(7)	2992030	2ENG TURB(8)	1850104	2ENG TURB(8)	1850104
2ENG PIST(4)	3950410	2ENG PIST(4)	2074324	2ENG TJT(10)	2074324	2ENG TURB(7)	302147A	2ENG TURB(8)	1850104	2ENG TURB(8)	1850104
2ENG PIST(4)	3950412	2ENG PIST(4)	2076810	2ENG TJT(10)	2076810	2ENG TURB(7)	3260201	2ENG TURB(8)	1850106	2ENG TURB(8)	1850106

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
AIRPTSA	1850108	ARCTICS1A	1850212	AYRESS2	0970217	BEECH17	1150564	BEECH23	1151226		
AIRPTSA	1850110	ARCTICS1A	1850216	AYRESS2	7630203	BEECH18	1150602	BEECH23	1151230		
AIRPTSA	1850112	ARONCA15	0191202	AYRESS2	7630203	BEECH18	1150702	BEECH23	1151240		
AIRPTSA	1850114	ARONCA15	0191204	AYRESS2	8380202	BEECH18	1150806	BEECH23	1151242		
AIRPTSA	1850118	ARONCA65	0190604	AYRESS2	8380204	BEECH18	1150902	BEECH23	1151250		
AIRPTSA	1850120	ARONCA65	0190606	AYRESS2	8380206	BEECH18	1150904	BEECH23	1151252		
AIRPTSA	1850122	ARONCA65	0190702	AYRESS2	8380302	BEECH18	1150909	BEECH23	1151253		
AIRPTSA	4570620	ARONCA65	0190710	AYRESS2	8380306	BEECH18	1150911	BEECH23	1151254		
AIRPTSA	4570624	ARONCA65	0190712	AYRESS2	8380306	BEECH18	1150912	BEECH23	1152930		
AIRTRCAT300	0390101	ARONCA65	0190716	AYRESS2	0970103	BEECH18	1150911	BEECH300	1152931		
AIRTRCAT300	0390103	ARONCA65	0190716	AYRESS2	0970105	BEECH18	1150913	BEECH300	1152932		
AIRTRCAT300	0390104	ARONCA65	0190802	AYRESS2	0970106	BEECH18	1151001	BEECH300	1152932		
AIRTRCAT300	0390106	ARONCA65	0190902	AYRESS2	0970107	BEECH18	1151004	BEECH300	1152933		
AIRTRCAT400	0390201	ARONCA65	0190906	AYRESS2	0970108	BEECH18	1151006	BEECH33	1151402		
AIRTRCAT400	0390202	ARONCA65	0190908	AYRESS2	0970111	BEECH18	1151008	BEECH33	1151404		
AIRTRCAT400	0390203	ARONCA65	0190910	AYRESS2	0970216	BEECH18	1151010	BEECH33	1151406		
AIRTRCAT400	0390204	ARONCA65	0190914	BAGJETSTM	1500216	BEECH18	1151012	BEECH33	1151408		
AIRTRCAT400	0390205	ARONCA65	0190918	BAGJETSTM	1500217	BEECH18	1151012	BEECH33	1151410		
AIRTRCAT400	0390206	ARONCA65	0190920	BAGJETSTM	1500218	BEECH18	1151014	BEECH33	1151422		
AIRTRCAT400	0390305	ARONCA65	0190922	BBAVIA11	0191102	BEECH18	1151016	BEECH33	1151423		
AIRTRCAT400	0390308	ARONCA65	0190926	BBAVIA11	0191104	BEECH18	1151021	BEECH33	1151424		
AIRTRCAT400	0390308	ARONCA65	0190928	BBAVIA11	0191106	BEECH18	1151022	BEECH33	1151425		
AIRTRCAT400	0390401	ARONCA65	0190930	BBAVIA11	0191108	BEECH18	1151024	BEECH33	1151432		
AIRTRCAT500	0390303	ARONCA65	0190932	BBAVIA11	0191112	BEECH18	1151026	BEECH33	1151435		
AMDFALC10	2730101	ARONCA65	0191002	BBAVIA8	1220803	BEECH18	1151040	BEECH35	1151502		
AMDFALC20	2720302	ARONCA65	0191006	BBAVIA8	2121001	BEECH18	1151042	BEECH35	1151504		
AMDFALC20	2720303	ARONCA65	0191008	BBAVIA8	2121004	BEECH18	1151044	BEECH35	1151506		
AMDFALC20	2720304	ARONCA65	0191010	BEECH100	1152915	BEECH18	1151046	BEECH35	1151508		
AMDFALC20	2720306	ARONCA65	0191014	BEECH100	1152916	BEECH18	1151048	BEECH35	1151510		
AMDFALC20	2730103	ARONCA65	0191016	BEECH100	1152919	BEECH18	1154161	BEECH35	1151512		
AMDFALC20	2730104	ARONCA65	0190302	BEECH17	1150503	BEECH1900	1154162	BEECH35	1151514		
AMDFALC20	2730105	ARONCA65	0190304	BEECH17	1150504	BEECH19000	1152922	BEECH35	1151516		
AMDFALC20	2730107	ARONCA65	0190402	BEECH17	1150508	BEECH200	1152922	BEECH35	1151518		
AMDFALC20	2730108	ARONCA65	0190406	BEECH17	1150512	BEECH200	1152924	BEECH35	1151520		
AMDFALC20	2730150	ARONCA65	0190504	BEECH17	1150524	BEECH200	1152926	BEECH35	1151522		
AMDFALC50	2730106	AYRESS2	0143006	BEECH17	1150525	BEECH200	1152928	BEECH35	1151524		
AMDFALC50	2730160	AYRESS2	0143010	BEECH17	1150530	BEECH23	1151202	BEECH35	1151526		
AMRGENAG5B	3990100	AYRESS2	0143012	BEECH17	1150534	BEECH23	1151204	BEECH35	1151528		
ARCTICS1A	1850202	AYRESS2	0143022	BEECH17	1150538	BEECH23	1151208	BEECH35	1151530		
ARCTICS1A	1850204	AYRESS2	0970100	BEECH17	1150538	BEECH23	1151208	BEECH35	1151532		
ARCTICS1A	1850206	AYRESS2	0970101	BEECH17	1150550	BEECH23	1151212	BEECH35	1151538		
ARCTICS1A	1850208	AYRESS2	0970102	BEECH17	1150554	BEECH23	1151214	BEECH35	1151544		
ARCTICS1A	1850210	AYRESS2	0970210	BEECH17	1150556	BEECH23	1151215	BEECH35	1151544		
ARCTICS1A	1850210	AYRESS2	0970215	BEECH17	1150558	BEECH23	1151216	BEECH35	1151546		

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
BEECH35	1151548	BEECH55	1152730	BELL204	1181402	BELL47	1181008	BLANCA1419	1220404
BEECH35	1151550	BEECH55	1152732	BELL204	1181404	BELL47	118100V	BLANCA1419	1220406
BEECH35	1151601	BEECH56	1152736	BELL204	1181405	BELL47	1181010	BLANCA1419	1220408
BEECH36	1151602	BEECH56	1152738	BELL204	1181407	BELL47	1181011	BLANCA1419	3080102
BEECH36	1151603	BEECH58	1152740	BELL204	1181410	BELL47	1181012	BLANCA1419	3080104
BEECH36	1151604	BEECH58	1152744	BELL204	1181411	BELL47	1181013	BLANCA1419	3080106
BEECH36	1151605	BEECH58	1152746	BELL206	1181502	BELL47	1181014	BLANCA1419	3080108
BEECH36	1151606	BEECH60	1153602	BELL206	1181505	BELL47	1181023	BLANCA1419	3080112
BEECH36	1151607	BEECH60	1153604	BELL206	1181506	BELL47	1181024	BLANCA1419	3080114
BEECH36	1151609	BEECH60	1153605	BELL206	1181508	BELL47	1181025	BLANCA1419	3080116
BEECH45	1152002	BEECH65	1152802	BELL206	1181511	BELL47	1181026	BLANCA1419	3080118
BEECH45	1152005	BEECH65	1152803	BELL206	1181522	BELL47	1181027	BLANCA1419	3080122
BEECH45	1152006	BEECH65	1152805	BELL206	1181529	BELL47	1181028	BLANCA1419	3080124
BEECH45	1152008	BEECH76	1153005	BELL206	1182107	BELL47	1181029	BLANCA1419	3080126
BEECH45	1152009	BEECH77	1153007	BELL206	1182110	BELL47	1181030	BLANCA1419	3080128
BEECH45	1152010	BEECH80	1152806	BELL212	1181420	BELL47	1181031	BLANCA1419	4580806
BEECH45	1152011	BEECH80	1152807	BELL222	1182122	BELL47	1181032	BLANCA1419	4580808
BEECH45	1152012	BEECH80	1152808	BELL222	1182123	BELL47	1181033	BLANCA1419	1220432
BEECH45	1152013	BEECH80	1152809	BELL222	1182124	BELL47	1181034	BLANCA17	1220433
BEECH45	1152014	BEECH80	1152812	BELL222	1182124	BELL47	1181060	BLANCA17	1220434
BEECH45	1152017	BEECH80	1153010	BELL222	1182140	BELL47	1181061	BLANCA17	1220435
BEECH45	1152018	BEECH90	1152902	BELL412	1182220	BELL47	1181062	BLANCA17	1220436
BEECH50	1152502	BEECH90	1152904	BELL47	1180602	BELL47	1181063	BLANCA17	1220437
BEECH50	1152506	BEECH90	1152907	BELL47	1180604	BELL47	1181065	BLANCA17	1250021
BEECH50	1152510	BEECH90	1152908	BELL47	1180606	BELL47	1181066	BLANCA17	1220460
BEECH50	1152512	BEECH90	1152909	BELL47	1180702	BELL47	1181068	BLANCA17	1220501
BEECH50	1152515	BEECH90	1152911	BELL47	1180802	BELL47	1181069	BLANCA17	1220601
BEECH50	1152516	BEECH90	1152912	BELL47	1180809	BELL47	1181071	BLANCA17	1220701
BEECH50	1152518	BEECH90	1152913	BELL47	1180810	BELL47	1181077	BLANCA17	1220438
BEECH50	1152520	BEECH90	1152923	BELL47	1180816	BELL47	1181102	BLANCA17	1220801
BEECH50	1152523	BEECH90	1152925	BELL47	1180816	BELL47	1181104	BLANCA17	1220802
BEECH50	1152524	BEECH95	1153402	BELL47	1180820	BELL47	1181106	BLANKA/BBVAI	2110111A
BEECH50	1152530	BEECH95	1153404	BELL47	1180843	BELL47	1181202	BLANKA/BBVAI	2110111L
BEECH50	1152532	BEECH95	1153406	BELL47	1180844	BELL47	1181310	BLANKA/BBVAI	2110111H
BEECH50	1152534	BEECH95	1153408	BELL47	1180845	BELL47	1181315	BLANKA/BBVAI	2110112
BEECH50	1152536	BEECH95	1153410	BELL47	1180846	BELL47	8930102	BLANKA/BBVAI	2110117
BEECH55	1152702	BEECH99	1153802	BELL47	1180847	BELL47	8930103	BLANKA/BBVAI	2110118
BEECH55	1152704	BEECH99	1154003	BELL47	118084C	BELL47	8930105	BLANKA/BBVAI	2110118
BEECH55	1152705	BEECH99	1154004	BELL47	118084G	BELCA11	0191110	BLANKA/BBVAI	2110118
BEECH55	1152706	BEECH99	1154006	BELL47	118084R	BLANCA1413	1201002	BLANKA/BBVAI	2110118
BEECH55	1152707	BELL204	0260200	BELL47	1180904	BLANCA1413	1201004	BLANKA/BBVAI	2110118
BEECH55	1152708	BELL204	1180817	BELL47	1181002	BLANCA1413	1201006	BLANKA/BBVAI	2110118
BEECH55	1152729	BELL204	1181401	BELL47	1181005	BLANCA1419	1220402	BLANKA/BBVAI	2110118

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
BLANKA/BBAVI	21101P3	BOEING75	1380131	CESSNA150	2071818	CESSNA172	2072438	CESSNA182	2072731
BLANKA/BBAVI	21101PC	BOEING75	1380132	CESSNA150	2071820	CESSNA172	7530136	CESSNA182	2072732
BLANKA/BBAVI	21101PH	BOEING75	1380133	CESSNA150	2071822	CESSNA172	7530139	CESSNA182	2072733
BLANKA/BBAVI	21101PK	BOEING75	1380134	CESSNA150	2071824	CESSNA172	7530203	CESSNA182	2072734
BLANKA/BBAVI	21101PN	BOEING75	1380136	CESSNA150	2071826	CESSNA172	7530204	CESSNA182	2072735
BLANKA/BBAVI	21101PT	BOEING75	1380139	CESSNA150	2071828	CESSNA172	7530206	CESSNA182	2072736
BLANKA/BBAVI	21101PY	BOEING75	1380142	CESSNA150	2071830	CESSNA172	7530209	CESSNA182	2075802
BLANKA/BBAVI	2110301	BOEING75	1380144	CESSNA150	2071831	CESSNA172	7530210	CESSNA182	2075806
BLANKA/BBAVI	2110612	BOEING75	1380145	CESSNA150	2071835	CESSNA175	2072502	CESSNA182	2075814
BNORBN2	1520202	BOEING75	1380146	CESSNA150	2071836	CESSNA175	2072504	CESSNA182	2075816
BNORBN2	1520204	BOEING75	1380147	CESSNA150	7530110	CESSNA175	2072506	CESSNA185	2072802
BNORBN2	1520205	BOEING75	1380148	CESSNA150	7530120	CESSNA175	2072508	CESSNA185	2072804
BNORBN2	1520206	BOEING75	1380149	CESSNA150	7530129	CESSNA177	2073704	CESSNA185	2072806
BNORBN2	1520207	BOEING75	1380150	CESSNA150	7530130	CESSNA177	2073706	CESSNA185	2072808
BNORBN2	1520210	BOEING75	1380152	CESSNA150	7530132	CESSNA177	2073708	CESSNA185	2072812
BNORBN2	1520215	BOEING75	1380154	CESSNA170	2072302	CESSNA177	2073709	CESSNA185	2072816
BNORBN2	1520220	BOEING75	1380155	CESSNA170	2072304	CESSNA180	7530211	CESSNA185	2072818
BNORBN2	1520221	BOEING75	1380157	CESSNA170	2072306	CESSNA180	2072602	CESSNA185	2072820
BNORBN2	1520226	BOEING75	1380159	CESSNA170	2072307	CESSNA180	2072604	CESSNA185	2072821
BNORBN2	1520302	BOEING75	1380160	CESSNA172	2072307	CESSNA180	2072606	CESSNA188	2073002
BNORBN2	1520303	BOEING75	1380161	CESSNA172	2072402	CESSNA180	2072610	CESSNA188	2073004
BNORBN2	1520350	BOEING75	1385140	CESSNA172	2072404	CESSNA180	2072612	CESSNA188	2073005
BNORBN2	7080227	BOLKMS105	5626005	CESSNA172	2072406	CESSNA180	2072614	CESSNA188	2073007
BOEING75	1380102	BOLKMS105	5626006	CESSNA172	2072408	CESSNA180	2072616	CESSNA188	2073008
BOEING75	1380104	BOLKMS117	5626010	CESSNA172	2072410	CESSNA180	2072618	CESSNA188	2073012
BOEING75	1380105	BOLKMS117	5626012	CESSNA172	2072412	CESSNA180	2072622	CESSNA190	2072902
BOEING75	1380106	BOLKMS117	5626015	CESSNA172	2072413	CESSNA180	2072624	CESSNA195	2073102
BOEING75	1380107	BOLKMS117	5626017	CESSNA172	2072414	CESSNA182	2072702	CESSNA195	2073106
BOEING75	1380108	BOLKMS117	5626019	CESSNA172	2072415	CESSNA182	2072704	CESSNA195	2073108
BOEING75	1380112	BRAERODH125	1500285	CESSNA172	2072417	CESSNA182	2072706	CESSNA195	2073110
BOEING75	1380115	CESSNA120	2071402	CESSNA172	2072418	CESSNA182	2072708	CESSNA195	2073112
BOEING75	1380116	CESSNA140	2071602	CESSNA172	2072420	CESSNA182	2072710	CESSNA205	2073202
BOEING75	1380117	CESSNA140	2071604	CESSNA172	2072421	CESSNA182	2072712	CESSNA205	2073204
BOEING75	1380118	CESSNA150	2071802	CESSNA172	2072424	CESSNA182	2072714	CESSNA206	2073302
BOEING75	1380119	CESSNA150	2071804	CESSNA172	2072426	CESSNA182	2072715	CESSNA206	2073304
BOEING75	1380120	CESSNA150	2071806	CESSNA172	2072429	CESSNA182	2072716	CESSNA206	2073306
BOEING75	1380123	CESSNA150	2071808	CESSNA172	2072430	CESSNA182	2072718	CESSNA206	2073308
BOEING75	1380124	CESSNA150	2071810	CESSNA172	2072431	CESSNA182	2072722	CESSNA206	2073309
BOEING75	1380125	CESSNA150	2071812	CESSNA172	2072432	CESSNA182	2072724	CESSNA206	2073310
BOEING75	1380127	CESSNA150	2071814	CESSNA172	2072434	CESSNA182	2072726	CESSNA206	2073311
BOEING75	1380129	CESSNA150	2071816	CESSNA172	2072436	CESSNA182	2072728	CESSNA206	2073312
				CESSNA172	2072437	CESSNA182	2072730	CESSNA206	2073313

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CESSNA206	2073316	CESSNA210	2073448	CESSNA310	2074224	CESSNA402	2075909	CONAERLA4	5110304
CESSNA206	2073318	CESSNA210	2073449	CESSNA310	2074226	CESSNA402	207590P	CONAERLA4	5110306
CESSNA206	2073322	CESSNA210	2073450	CESSNA310	2074228	CESSNA402	207590R	CONAERLA4	5110310
CESSNA206	2073332	CESSNA210	2073451	CESSNA310	2074230	CESSNA421	2076010	CONAERLA4	5110312
CESSNA206	2073332	CESSNA210	2073453	CESSNA310	2074234	CESSNA421	2076012	CONAERLA4	5110320
CESSNA206	2073333	CESSNA210	2073454	CESSNA310	2074238	CESSNA421	2076014	CURTI STRVAIR	2621010
CESSNA206	2073334	CESSNA210	2073455	CESSNA310	2074240	CESSNA421	2076016	CURTI STRVAIR	2621012
CESSNA206	2073338	CESSNA210	2073456	CESSNA310	2074242	CESSNA425	2076018	CURTI STRVAIR	2621308
CESSNA206	2073340	CESSNA210	2073458	CESSNA310	2074244	CESSNA441	2076020	CURTI STRVAIR	2621401
CESSNA206	2073342	CESSNA210	2073459	CESSNA310	2074245	CESSNA500	2076601	CURTI STRVAIR	2621402
CESSNA206	2073344	CESSNA303	2073803	CESSNA310	2074246	CESSNA500	2076604	CURTI STRVAIR	2621404
CESSNA206	2073346	CESSNA303	2073820	CESSNA320	2074504	CESSNA500	2076606	CURTI STRVAIR	2621506
CESSNA206	2073348	CESSNA305	2073902	CESSNA320	2074506	CESSNA500	2076607	CURTI STRVAIR	2621508
CESSNA206	2073350	CESSNA305	2074000	CESSNA320	2074508	CESSNA500	2076750	CURTI STRVAIR	2621602
CESSNA206	2073352	CESSNA305	2074001	CESSNA320	2074510	CESSNA500	2076750	CURTI STRVAIR	2621604
CESSNA206	2073352	CESSNA305	2074002	CESSNA320	2074512	CESSNA501	2076603	CURTI STRVAIR	2621606
CESSNA206	2073356	CESSNA305	2074003	CESSNA320	2074514	CESSNA501	2076605	CURTI STRVAIR	2621704
CESSNA206	2073357	CESSNA305	2074004	CESSNA320	2074516	CESSNA650	2076802	CURTI STRVAIR	2621802
CESSNA207	2073602	CESSNA305	2074005	CESSNA336	2074509	CESSNA500	2071302	CURTI STRVAIR	2621804
CESSNA207	2073604	CESSNA305	2074006	CESSNA337	2074009	CESSNA500	2071306	CURTI STRVAIR	2621806
CESSNA207	2073612	CESSNA305	2074008	CESSNA337	2075704	CESSNA500	2071307	CURTI STRVAIR	2621808
CESSNA207	2073614	CESSNA305	2074012	CESSNA337	2075706	CESSNA500	2071308	CURTI STRVAIR	2621810
CESSNA208	2073701	CESSNA305	2074016	CESSNA337	2075707	CHILD S1	0110301	CURTI STRVAIR	2621814
CESSNA208	2073702	CESSNA305	2074014	CESSNA337	2075712	CHILD S1	0110303	CURTI STRVAIR	2621818
CESSNA208	2073703	CESSNA305	2074018	CESSNA337	2075714	CHILD S1	2210005	CURTI STRVAIR	2621820
CESSNA210	2073402	CESSNA305	2074028	CESSNA337	2075717	CHILD S1	2210006	CURTI STRVAIR	2621822
CESSNA210	2073404	CESSNA305	2074030	CESSNA337	2075719	CHILD S1	2210302	CURTI STRVAIR	2621824
CESSNA210	2073406	CESSNA305	2074032	CESSNA337	2075721	CHILD S1	2210308	CURTI STRVAIR	2621826
CESSNA210	2073408	CESSNA305	207408E	CESSNA337	2075723	CHILD S1	2210310	CURTI STRVAIR	2621830
CESSNA210	2073412	CESSNA305	207408F	CESSNA337	2075724	CHILD S1	0110201	CURTI STRVAIR	2622402
CESSNA210	2073414	CESSNA310	207408K	CESSNA337	2075725	CHILD S2	0110304	CURTI STRVAIR	2420204
CESSNA210	2073416	CESSNA310	2074204	CESSNA337	2075726	CHILD S2	221020X	CVACBT/L13	2420206
CESSNA210	2073418	CESSNA310	2074206	CESSNA337	2075727	CHR I SHUSKY	221020X	CVACBT/L13	2420208
CESSNA210	2073422	CESSNA310	2074207	CESSNA337	2075730	CMDA I RCL600	1900302	CVACBT/L13	2420220
CESSNA210	2073432	CESSNA310	2074208	CESSNA337	2075731	CMDA I RCL600	1900304	CVACBT/L13	2420221
CESSNA210	2073432	CESSNA310	2074210	CESSNA337	2075732	CMDA I RCL600	1900305	CVACBT/L13	2420222
CESSNA210	2073436	CESSNA310	2074212	CESSNA337	2075733	COM WTH185	2370602	CVACBT/L13	2420224
CESSNA210	2073438	CESSNA310	2074214	CESSNA340	2076404	COM WTH185	2370604	CVACBT/L13	2420225
CESSNA210	2073439	CESSNA310	2074216	CESSNA340	2076405	COM WTH185	2370606	CVACBT/L13	2420226
CESSNA210	2073440	CESSNA310	2074218	CESSNA401	207590C	COM WTH185	2370608	CVACBT/L13	2420227
CESSNA210	2073446	CESSNA310	2074220	CESSNA401	207590D	COMAERLA4	2400102	CVACBT/L13	2420228
CESSNA210	2073447	CESSNA310	2074222	CESSNA401	207590E	COMAERLA4	2400108	CVACBT/L13	2420229
CESSNA210	2073447	CESSNA310	2074222	CESSNA402	207590K	COMAERLA4	2400500	CVACBT/L13	2420230
CESSNA210	2073447	CESSNA310	2074222	CESSNA402	207590K	COMAERLA4	5110302	CVACBT/L13	2420231

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
CVACBT/L13	2420228	EAGLEBAL	3230203	EXP-EXHIBIT	05603X1	EXP-EXHIBIT	05613CU	EXP-EXHIBIT	05618ZY
CVACBT/L13	2420229	EMB110	3260122	EXP-EXHIBIT	05604KE	EXP-EXHIBIT	05613EU	EXP-EXHIBIT	0562031
CVACBT/L13	2420230	EMB110	3260124	EXP-EXHIBIT	05604MR	EXP-EXHIBIT	05613GA	EXP-EXHIBIT	0562032
CVACBT/L13	2420302	ENSTRMF28	3300406	EXP-EXHIBIT	05604T7	EXP-EXHIBIT	05613J9	EXP-EXHIBIT	05620CR
CVACBT/L13	2420312	ENSTRMF28	3300407	EXP-EXHIBIT	05604T8	EXP-EXHIBIT	05613L3	EXP-EXHIBIT	05620JU
CVACBT/L13	2420702	ENSTRMF28	3300412	EXP-EXHIBIT	05604T9	EXP-EXHIBIT	05613T	EXP-EXHIBIT	05620QP
CVACBT/L13	2420704	ENSTRMF28	3300502	EXP-EXHIBIT	05604UD	EXP-EXHIBIT	05613QY	EXP-EXHIBIT	05620RN
CVACBT/L13	2420706	ENSTRMF28	3300550	EXP-EXHIBIT	05604UG	EXP-EXHIBIT	05613RX	EXP-EXHIBIT	05620SZ
DHAVDH82	2801000	ENSTRMF28	3300505	EXP-EXHIBIT	05604UG	EXP-EXHIBIT	05613TN	EXP-EXHIBIT	05620TT
DHAVDH82	2801002	ENSTRMF28	3300506	EXP-EXHIBIT	05604UK	EXP-EXHIBIT	05613W6	EXP-EXHIBIT	05620YP
DHAVDH82	2801003	ENSTRMF28	3300510	EXP-EXHIBIT	05604UP	EXP-EXHIBIT	0561614	EXP-EXHIBIT	0562111
DHAVDH82	2801102	EXP-EXHIBIT	003011L	EXP-EXHIBIT	0560803	EXP-EXHIBIT	056162L	EXP-EXHIBIT	0562131
DHAVDH82	2801103	EXP-EXHIBIT	0090100	EXP-EXHIBIT	0560847	EXP-EXHIBIT	056166A	EXP-EXHIBIT	0562218
DHAVDH82	2801104	EXP-EXHIBIT	0110100	EXP-EXHIBIT	05608J2	EXP-EXHIBIT	0561681	EXP-EXHIBIT	0562223
DHAVDH82	2801105	EXP-EXHIBIT	0110202	EXP-EXHIBIT	05608RW	EXP-EXHIBIT	0561699	EXP-EXHIBIT	056227B
DHAVDH82	2800106	EXP-EXHIBIT	0130102	EXP-EXHIBIT	0560915	EXP-EXHIBIT	0561699	EXP-EXHIBIT	056227T
DHAVDH82	2800108	EXP-EXHIBIT	0140314	EXP-EXHIBIT	05609CJ	EXP-EXHIBIT	05616CV	EXP-EXHIBIT	05622AM
DHAVDH82	2800109	EXP-EXHIBIT	0170102	EXP-EXHIBIT	05609TH	EXP-EXHIBIT	05616F6	EXP-EXHIBIT	0562373
DHAVDH82	2800115	EXP-EXHIBIT	0400104	EXP-EXHIBIT	05611AE	EXP-EXHIBIT	05616FS	EXP-EXHIBIT	05623AS
DHAVDH82	2801830	EXP-EXHIBIT	0502021	EXP-EXHIBIT	05611B1	EXP-EXHIBIT	05616GS	EXP-EXHIBIT	05623CL
DHAVDH82	2804003	EXP-EXHIBIT	056014B	EXP-EXHIBIT	05611EP	EXP-EXHIBIT	05616MF	EXP-EXHIBIT	05623D2
DHAVDH82	2805001	EXP-EXHIBIT	0560169	EXP-EXHIBIT	05611GB	EXP-EXHIBIT	05616MM	EXP-EXHIBIT	05623EW
DHAVDH82	2805002	EXP-EXHIBIT	056016V	EXP-EXHIBIT	056125P	EXP-EXHIBIT	05616QX	EXP-EXHIBIT	05623H7
DHAVDH82	2806001	EXP-EXHIBIT	056018P	EXP-EXHIBIT	056125Q	EXP-EXHIBIT	05616U2	EXP-EXHIBIT	05623MT
DHAVDH82	2807001	EXP-EXHIBIT	05601BD	EXP-EXHIBIT	056127W	EXP-EXHIBIT	05616XQ	EXP-EXHIBIT	05623VY
DHAVDH82	2808001	EXP-EXHIBIT	05601D3	EXP-EXHIBIT	056127Z	EXP-EXHIBIT	0561815	EXP-EXHIBIT	0562445
DHAVDH82	2808002	EXP-EXHIBIT	05601HR	EXP-EXHIBIT	056128C	EXP-EXHIBIT	056182T	EXP-EXHIBIT	056248M
DHAVDH82	2802606	EXP-EXHIBIT	05601J8	EXP-EXHIBIT	056129S	EXP-EXHIBIT	056184K	EXP-EXHIBIT	0562777
DHAVDH82	2802610	EXP-EXHIBIT	05601L7	EXP-EXHIBIT	05612BR	EXP-EXHIBIT	056185V	EXP-EXHIBIT	0563723
DHAVDH82	2802620	EXP-EXHIBIT	05601LB	EXP-EXHIBIT	05612FV	EXP-EXHIBIT	056187P	EXP-EXHIBIT	0563730
DHAVDH82	2802630	EXP-EXHIBIT	05601LX	EXP-EXHIBIT	05612HJ	EXP-EXHIBIT	0561883	EXP-EXHIBIT	0563733
DOUGDC3	3021401	EXP-EXHIBIT	05601NG	EXP-EXHIBIT	05612KL	EXP-EXHIBIT	05618AM	EXP-EXHIBIT	0563735
DOUGDC3	3021404	EXP-EXHIBIT	05601TD	EXP-EXHIBIT	05612PJ	EXP-EXHIBIT	05618BJ	EXP-EXHIBIT	0563744
DOUGDC3	3021424	EXP-EXHIBIT	05601VG	EXP-EXHIBIT	05612RB	EXP-EXHIBIT	05618J2	EXP-EXHIBIT	0563753
DOUGDC3	3021433	EXP-EXHIBIT	05601XY	EXP-EXHIBIT	05612UR	EXP-EXHIBIT	05618KQ	EXP-EXHIBIT	0563783
DOUGDC3	3021436	EXP-EXHIBIT	05601Y7	EXP-EXHIBIT	05612WR	EXP-EXHIBIT	05618LF	EXP-EXHIBIT	05637B1
DOUGDC3	3021440	EXP-EXHIBIT	05601ZJ	EXP-EXHIBIT	05612WS	EXP-EXHIBIT	05618NE	EXP-EXHIBIT	05637BS
DOUGDC3	3021454	EXP-EXHIBIT	05602T5	EXP-EXHIBIT	056132E	EXP-EXHIBIT	05618P1	EXP-EXHIBIT	05637C2
DOUGDC3	3021457	EXP-EXHIBIT	0560310	EXP-EXHIBIT	056132Y	EXP-EXHIBIT	05618W	EXP-EXHIBIT	05637C4
DOUGDC3	3021458	EXP-EXHIBIT	0560342	EXP-EXHIBIT	056135F	EXP-EXHIBIT	05618T	EXP-EXHIBIT	05637CY
DOUGDC3	302147F	EXP-EXHIBIT	056035N	EXP-EXHIBIT	056138A	EXP-EXHIBIT	05618Z1	EXP-EXHIBIT	05637D1
DOUGDC3	3021481	EXP-EXHIBIT	05603H2	EXP-EXHIBIT	0561384	EXP-EXHIBIT	05618Z2	EXP-EXHIBIT	05637EG
EAGLEBAL	3230202	EXP-EXHIBIT	05603KD	EXP-EXHIBIT	05613CK	EXP-EXHIBIT	05618Z6	EXP-EXHIBIT	05637F2

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-EXHIBIT	05637G2	EXP-EXHIBIT	0566196	EXP-EXHIBIT	0764606	EXP-EXHIBIT	13027KX	EXP-EXHIBIT	2075702
EXP-EXHIBIT	05637H5	EXP-EXHIBIT	0566212	EXP-EXHIBIT	0770104	EXP-EXHIBIT	1360309	EXP-EXHIBIT	2152204
EXP-EXHIBIT	05637J5	EXP-EXHIBIT	0566316	EXP-EXHIBIT	0780124	EXP-EXHIBIT	1380301	EXP-EXHIBIT	2152268
EXP-EXHIBIT	05637K8	EXP-EXHIBIT	0566330	EXP-EXHIBIT	0780128	EXP-EXHIBIT	1380302	EXP-EXHIBIT	2152610
EXP-EXHIBIT	05637N3	EXP-EXHIBIT	0566354	EXP-EXHIBIT	0780136	EXP-EXHIBIT	1380401	EXP-EXHIBIT	2210002
EXP-EXHIBIT	05637P7	EXP-EXHIBIT	05663AK	EXP-EXHIBIT	0840110	EXP-EXHIBIT	1380702	EXP-EXHIBIT	2230102
EXP-EXHIBIT	05637T1	EXP-EXHIBIT	05663AM	EXP-EXHIBIT	0860406	EXP-EXHIBIT	1382402	EXP-EXHIBIT	2300095
EXP-EXHIBIT	05637T3	EXP-EXHIBIT	05663BP	EXP-EXHIBIT	0881210	EXP-EXHIBIT	1382602	EXP-EXHIBIT	2300105
EXP-EXHIBIT	0564008	EXP-EXHIBIT	05663BU	EXP-EXHIBIT	0900106	EXP-EXHIBIT	1384873	EXP-EXHIBIT	2301202
EXP-EXHIBIT	0564012	EXP-EXHIBIT	0566460	EXP-EXHIBIT	0941012	EXP-EXHIBIT	1590100	EXP-EXHIBIT	2301205
EXP-EXHIBIT	0564303	EXP-EXHIBIT	05670AA	EXP-EXHIBIT	0950103	EXP-EXHIBIT	1590104	EXP-EXHIBIT	2301206
EXP-EXHIBIT	0564309	EXP-EXHIBIT	056752V	EXP-EXHIBIT	0950120	EXP-EXHIBIT	1590106	EXP-EXHIBIT	2371412
EXP-EXHIBIT	05644PF	EXP-EXHIBIT	0567530	EXP-EXHIBIT	0950130	EXP-EXHIBIT	1590107	EXP-EXHIBIT	2410100
EXP-EXHIBIT	05644PN	EXP-EXHIBIT	0567558	EXP-EXHIBIT	1050103	EXP-EXHIBIT	1590111	EXP-EXHIBIT	2410101
EXP-EXHIBIT	05644TU	EXP-EXHIBIT	056755P	EXP-EXHIBIT	1050104	EXP-EXHIBIT	1590114	EXP-EXHIBIT	2410102
EXP-EXHIBIT	0564586	EXP-EXHIBIT	056756U	EXP-EXHIBIT	1130517	EXP-EXHIBIT	1590118	EXP-EXHIBIT	2410103
EXP-EXHIBIT	05645AY	EXP-EXHIBIT	056759U	EXP-EXHIBIT	1130733	EXP-EXHIBIT	1590120	EXP-EXHIBIT	2410105
EXP-EXHIBIT	05645DE	EXP-EXHIBIT	05675CB	EXP-EXHIBIT	11307Q6	EXP-EXHIBIT	1590124	EXP-EXHIBIT	2420705
EXP-EXHIBIT	0564718	EXP-EXHIBIT	05675CG	EXP-EXHIBIT	1130811	EXP-EXHIBIT	1590312	EXP-EXHIBIT	2422104
EXP-EXHIBIT	0564733	EXP-EXHIBIT	05675G8	EXP-EXHIBIT	1130830	EXP-EXHIBIT	1590324	EXP-EXHIBIT	2422502
EXP-EXHIBIT	056473M	EXP-EXHIBIT	05675K2	EXP-EXHIBIT	1130838	EXP-EXHIBIT	1590326	EXP-EXHIBIT	2620602
EXP-EXHIBIT	056473A	EXP-EXHIBIT	05675PU	EXP-EXHIBIT	1130839	EXP-EXHIBIT	1590336	EXP-EXHIBIT	2620604
EXP-EXHIBIT	0564788	EXP-EXHIBIT	0567611	EXP-EXHIBIT	1130849	EXP-EXHIBIT	1660205	EXP-EXHIBIT	2621302
EXP-EXHIBIT	05647K8	EXP-EXHIBIT	05676AZ	EXP-EXHIBIT	1180102	EXP-EXHIBIT	1660302	EXP-EXHIBIT	2622203
EXP-EXHIBIT	05647N9	EXP-EXHIBIT	05676KQ	EXP-EXHIBIT	118020K	EXP-EXHIBIT	1660306	EXP-EXHIBIT	2622601
EXP-EXHIBIT	05647QF	EXP-EXHIBIT	05676L3	EXP-EXHIBIT	118020L	EXP-EXHIBIT	1690478	EXP-EXHIBIT	2624020
EXP-EXHIBIT	05647Z9	EXP-EXHIBIT	05676R1	EXP-EXHIBIT	1181021	EXP-EXHIBIT	1720102	EXP-EXHIBIT	2630102
EXP-EXHIBIT	0565032	EXP-EXHIBIT	05691DK	EXP-EXHIBIT	1181411	EXP-EXHIBIT	1880101	EXP-EXHIBIT	2800421
EXP-EXHIBIT	0565345	EXP-EXHIBIT	0650108	EXP-EXHIBIT	1181902	EXP-EXHIBIT	1880109	EXP-EXHIBIT	2801001
EXP-EXHIBIT	0565373	EXP-EXHIBIT	0760724	EXP-EXHIBIT	1181904	EXP-EXHIBIT	1880114	EXP-EXHIBIT	2801006
EXP-EXHIBIT	0565383	EXP-EXHIBIT	0760728	EXP-EXHIBIT	1200402	EXP-EXHIBIT	1880123	EXP-EXHIBIT	2801013
EXP-EXHIBIT	05655CW	EXP-EXHIBIT	0760730	EXP-EXHIBIT	1240104	EXP-EXHIBIT	1880268	EXP-EXHIBIT	2801014
EXP-EXHIBIT	0565530	EXP-EXHIBIT	0760744	EXP-EXHIBIT	130013W	EXP-EXHIBIT	1900822	EXP-EXHIBIT	2801015
EXP-EXHIBIT	0565816	EXP-EXHIBIT	0760743	EXP-EXHIBIT	130016L	EXP-EXHIBIT	1922828	EXP-EXHIBIT	2801016
EXP-EXHIBIT	0565824	EXP-EXHIBIT	0760756	EXP-EXHIBIT	130079A	EXP-EXHIBIT	1922841	EXP-EXHIBIT	2801018
EXP-EXHIBIT	0565875	EXP-EXHIBIT	0760825	EXP-EXHIBIT	13021QW	EXP-EXHIBIT	19704X7	EXP-EXHIBIT	2801502
EXP-EXHIBIT	0565876	EXP-EXHIBIT	0761150	EXP-EXHIBIT	1302641	EXP-EXHIBIT	1990102	EXP-EXHIBIT	2801512
EXP-EXHIBIT	056593Q	EXP-EXHIBIT	0761156	EXP-EXHIBIT	1302774	EXP-EXHIBIT	1990103	EXP-EXHIBIT	2801513
EXP-EXHIBIT	0566034	EXP-EXHIBIT	0761549	EXP-EXHIBIT	1302792	EXP-EXHIBIT	1990105	EXP-EXHIBIT	2801702
EXP-EXHIBIT	0566037	EXP-EXHIBIT	0761574	EXP-EXHIBIT	13027GZ	EXP-EXHIBIT	1990201	EXP-EXHIBIT	2801704
EXP-EXHIBIT		EXP-EXHIBIT	0761579	EXP-EXHIBIT	13027HV	EXP-EXHIBIT	2074007	EXP-EXHIBIT	2801706
EXP-EXHIBIT		EXP-EXHIBIT		EXP-EXHIBIT	13027KJ	EXP-EXHIBIT	2074322	EXP-EXHIBIT	2801710

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-EXHIBIT	2801712	EXP-EXHIBIT	3630315	EXP-EXHIBIT	38015GW	EXP-EXHIBIT	3951003	EXP-EXHIBIT	5760207	EXP-EXHIBIT	5760207
EXP-EXHIBIT	2801714	EXP-EXHIBIT	3630330	EXP-EXHIBIT	38015GZ	EXP-EXHIBIT	3951011	EXP-EXHIBIT	5780500	EXP-EXHIBIT	5780500
EXP-EXHIBIT	2801716	EXP-EXHIBIT	3630335	EXP-EXHIBIT	38015HR	EXP-EXHIBIT	3951014	EXP-EXHIBIT	5810110	EXP-EXHIBIT	5810110
EXP-EXHIBIT	2801736	EXP-EXHIBIT	3630387	EXP-EXHIBIT	3801923	EXP-EXHIBIT	4000102	EXP-EXHIBIT	5810204	EXP-EXHIBIT	5810204
EXP-EXHIBIT	2801738	EXP-EXHIBIT	3630914	EXP-EXHIBIT	3801925	EXP-EXHIBIT	4220102	EXP-EXHIBIT	5910204	EXP-EXHIBIT	5910204
EXP-EXHIBIT	2801739	EXP-EXHIBIT	3630949	EXP-EXHIBIT	3801950	EXP-EXHIBIT	4220119	EXP-EXHIBIT	5910310	EXP-EXHIBIT	5910310
EXP-EXHIBIT	2801741	EXP-EXHIBIT	3630959	EXP-EXHIBIT	3801952	EXP-EXHIBIT	4230103	EXP-EXHIBIT	5910311	EXP-EXHIBIT	5910311
EXP-EXHIBIT	2801742	EXP-EXHIBIT	3630964	EXP-EXHIBIT	3801954	EXP-EXHIBIT	4230122	EXP-EXHIBIT	5910315	EXP-EXHIBIT	5910315
EXP-EXHIBIT	2801745	EXP-EXHIBIT	3631067	EXP-EXHIBIT	3801960	EXP-EXHIBIT	4230306	EXP-EXHIBIT	5910399	EXP-EXHIBIT	5910399
EXP-EXHIBIT	2802203	EXP-EXHIBIT	3631079	EXP-EXHIBIT	38019V0	EXP-EXHIBIT	4240126	EXP-EXHIBIT	5910401	EXP-EXHIBIT	5910401
EXP-EXHIBIT	2804001	EXP-EXHIBIT	3650100	EXP-EXHIBIT	38019VG	EXP-EXHIBIT	4250102	EXP-EXHIBIT	5910402	EXP-EXHIBIT	5910402
EXP-EXHIBIT	2804004	EXP-EXHIBIT	3650101	EXP-EXHIBIT	38019VJ	EXP-EXHIBIT	4260125	EXP-EXHIBIT	5910600	EXP-EXHIBIT	5910600
EXP-EXHIBIT	2935102	EXP-EXHIBIT	3690102	EXP-EXHIBIT	38019VN	EXP-EXHIBIT	4270102	EXP-EXHIBIT	5920101	EXP-EXHIBIT	5920101
EXP-EXHIBIT	2990602	EXP-EXHIBIT	3760102	EXP-EXHIBIT	38019VS	EXP-EXHIBIT	4280300	EXP-EXHIBIT	5920102	EXP-EXHIBIT	5920102
EXP-EXHIBIT	2990616	EXP-EXHIBIT	3800266	EXP-EXHIBIT	3802006	EXP-EXHIBIT	4310102	EXP-EXHIBIT	5920103	EXP-EXHIBIT	5920103
EXP-EXHIBIT	2990701	EXP-EXHIBIT	3800310	EXP-EXHIBIT	3802009	EXP-EXHIBIT	4310102	EXP-EXHIBIT	5920114	EXP-EXHIBIT	5920114
EXP-EXHIBIT	2990704	EXP-EXHIBIT	3800335	EXP-EXHIBIT	3802050	EXP-EXHIBIT	4380105	EXP-EXHIBIT	5920202	EXP-EXHIBIT	5920202
EXP-EXHIBIT	2990721	EXP-EXHIBIT	3800339	EXP-EXHIBIT	3802052	EXP-EXHIBIT	4380115	EXP-EXHIBIT	5920205	EXP-EXHIBIT	5920205
EXP-EXHIBIT	2990725	EXP-EXHIBIT	3800341	EXP-EXHIBIT	3802055	EXP-EXHIBIT	4380116	EXP-EXHIBIT	5920206	EXP-EXHIBIT	5920206
EXP-EXHIBIT	2999006	EXP-EXHIBIT	3800347	EXP-EXHIBIT	3802061	EXP-EXHIBIT	4460166	EXP-EXHIBIT	5980102	EXP-EXHIBIT	5980102
EXP-EXHIBIT	2999100	EXP-EXHIBIT	3800517	EXP-EXHIBIT	3802066	EXP-EXHIBIT	4490104	EXP-EXHIBIT	6250223	EXP-EXHIBIT	6250223
EXP-EXHIBIT	3020515	EXP-EXHIBIT	3800601	EXP-EXHIBIT	3802506	EXP-EXHIBIT	4490104	EXP-EXHIBIT	6380102	EXP-EXHIBIT	6380102
EXP-EXHIBIT	3021009	EXP-EXHIBIT	3801048	EXP-EXHIBIT	3802507	EXP-EXHIBIT	4670101	EXP-EXHIBIT	6380108	EXP-EXHIBIT	6380108
EXP-EXHIBIT	3026010	EXP-EXHIBIT	3801188	EXP-EXHIBIT	3802550	EXP-EXHIBIT	4690620	EXP-EXHIBIT	6383202	EXP-EXHIBIT	6383202
EXP-EXHIBIT	3026012	EXP-EXHIBIT	3801206	EXP-EXHIBIT	3802552	EXP-EXHIBIT	4740408	EXP-EXHIBIT	6400104	EXP-EXHIBIT	6400104
EXP-EXHIBIT	3026202	EXP-EXHIBIT	3801208	EXP-EXHIBIT	3802552	EXP-EXHIBIT	4761506	EXP-EXHIBIT	6400403	EXP-EXHIBIT	6400403
EXP-EXHIBIT	3027373	EXP-EXHIBIT	3801213	EXP-EXHIBIT	3850100	EXP-EXHIBIT	4920104	EXP-EXHIBIT	6400406	EXP-EXHIBIT	6400406
EXP-EXHIBIT	3160602	EXP-EXHIBIT	3801214	EXP-EXHIBIT	3870148	EXP-EXHIBIT	5100202	EXP-EXHIBIT	6400410	EXP-EXHIBIT	6400410
EXP-EXHIBIT	3240301	EXP-EXHIBIT	3801261	EXP-EXHIBIT	3870162	EXP-EXHIBIT	5200102	EXP-EXHIBIT	640041A	EXP-EXHIBIT	640041A
EXP-EXHIBIT	3260004	EXP-EXHIBIT	3801262	EXP-EXHIBIT	3870512	EXP-EXHIBIT	5220202	EXP-EXHIBIT	6400427	EXP-EXHIBIT	6400427
EXP-EXHIBIT	3026010	EXP-EXHIBIT	3801206	EXP-EXHIBIT	3880110	EXP-EXHIBIT	5260204	EXP-EXHIBIT	6400430	EXP-EXHIBIT	6400430
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EXP-EXHIBIT	3240301	EXP-EXHIBIT	3801262	EXP-EXHIBIT	3950614	EXP-EXHIBIT	5269601	EXP-EXHIBIT	6401714	EXP-EXHIBIT	6401714
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EXP-EXHIBIT	3026010	EXP-EXHIBIT	3801206	EXP-EXHIBIT	3950802	EXP-EXHIBIT	5600504	EXP-EXHIBIT	6402202	EXP-EXHIBIT	6402202
EXP-EXHIBIT	3026202	EXP-EXHIBIT	3801213	EXP-EXHIBIT	3950902	EXP-EXHIBIT	5621004	EXP-EXHIBIT	6402301	EXP-EXHIBIT	6402301
EXP-EXHIBIT	3160602	EXP-EXHIBIT	3801261	EXP-EXHIBIT	3950905	EXP-EXHIBIT	5740102	EXP-EXHIBIT	6402301	EXP-EXHIBIT	6402301
EXP-EXHIBIT	3240301	EXP-EXHIBIT	3801262	EXP-EXHIBIT	3951002	EXP-EXHIBIT					
EXP-EXHIBIT	3260004	EXP-EXHIBIT	3801206	EXP-EXHIBIT							

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	05601Y5	EXP-HOME BLT	05602X9	EXP-HOME BLT	05603BA	EXP-HOME BLT	05603WP	EXP-HOME BLT	056082C	EXP-HOME BLT	056082C
EXP-HOME BLT	05601Y9	EXP-HOME BLT	05602XX	EXP-HOME BLT	05603BF	EXP-HOME BLT	05603WJ	EXP-HOME BLT	056082F	EXP-HOME BLT	056082F
EXP-HOME BLT	05601YA	EXP-HOME BLT	05602ZM	EXP-HOME BLT	05603BK	EXP-HOME BLT	05603YM	EXP-HOME BLT	056082H	EXP-HOME BLT	056082H
EXP-HOME BLT	05601YF	EXP-HOME BLT	05602ZP	EXP-HOME BLT	05603BR	EXP-HOME BLT	05603Z3	EXP-HOME BLT	056082J	EXP-HOME BLT	056082J
EXP-HOME BLT	05601YG	EXP-HOME BLT	056030D	EXP-HOME BLT	05603CB	EXP-HOME BLT	05603ZR	EXP-HOME BLT	056082K	EXP-HOME BLT	056082K
EXP-HOME BLT	05601YH	EXP-HOME BLT	056030S	EXP-HOME BLT	05603CM	EXP-HOME BLT	05603ZT	EXP-HOME BLT	056082L	EXP-HOME BLT	056082L
EXP-HOME BLT	05601YJ	EXP-HOME BLT	0560322	EXP-HOME BLT	05603CN	EXP-HOME BLT	0560452	EXP-HOME BLT	056082M	EXP-HOME BLT	056082M
EXP-HOME BLT	05601YK	EXP-HOME BLT	0560336	EXP-HOME BLT	05603DC	EXP-HOME BLT	05604T4	EXP-HOME BLT	056082N	EXP-HOME BLT	056082N
EXP-HOME BLT	05601YQ	EXP-HOME BLT	0560338	EXP-HOME BLT	05603DD	EXP-HOME BLT	05604UM	EXP-HOME BLT	056082P	EXP-HOME BLT	056082P
EXP-HOME BLT	05601YR	EXP-HOME BLT	0560339	EXP-HOME BLT	05603E6	EXP-HOME BLT	0560611	EXP-HOME BLT	056082Q	EXP-HOME BLT	056082Q
EXP-HOME BLT	05601YS	EXP-HOME BLT	056033F	EXP-HOME BLT	05603E9	EXP-HOME BLT	0560633	EXP-HOME BLT	056082R	EXP-HOME BLT	056082R
EXP-HOME BLT	05601YT	EXP-HOME BLT	056033X	EXP-HOME BLT	05603EC	EXP-HOME BLT	0560649	EXP-HOME BLT	056082T	EXP-HOME BLT	056082T
EXP-HOME BLT	05601YU	EXP-HOME BLT	0560345	EXP-HOME BLT	05603EL	EXP-HOME BLT	056068N	EXP-HOME BLT	056082Z	EXP-HOME BLT	056082Z
EXP-HOME BLT	05601ZI	EXP-HOME BLT	0560347	EXP-HOME BLT	05603EM	EXP-HOME BLT	056068P	EXP-HOME BLT	0560833	EXP-HOME BLT	0560833
EXP-HOME BLT	05601ZC	EXP-HOME BLT	056034L	EXP-HOME BLT	05603EN	EXP-HOME BLT	05607AA	EXP-HOME BLT	0560834	EXP-HOME BLT	0560834
EXP-HOME BLT	05601ZE	EXP-HOME BLT	056034M	EXP-HOME BLT	05603FV	EXP-HOME BLT	05607AB	EXP-HOME BLT	0560835	EXP-HOME BLT	0560835
EXP-HOME BLT	05601ZS	EXP-HOME BLT	056034N	EXP-HOME BLT	05603HB	EXP-HOME BLT	0560801	EXP-HOME BLT	0560836	EXP-HOME BLT	0560836
EXP-HOME BLT	05601ZV	EXP-HOME BLT	056034P	EXP-HOME BLT	05603HM	EXP-HOME BLT	0560805	EXP-HOME BLT	0560837	EXP-HOME BLT	0560837
EXP-HOME BLT	05601ZU	EXP-HOME BLT	056034T	EXP-HOME BLT	05603HX	EXP-HOME BLT	0560811	EXP-HOME BLT	0560839	EXP-HOME BLT	0560839
EXP-HOME BLT	05601ZX	EXP-HOME BLT	0560356	EXP-HOME BLT	05603JB	EXP-HOME BLT	0560814	EXP-HOME BLT	056083A	EXP-HOME BLT	056083A
EXP-HOME BLT	0560222	EXP-HOME BLT	056035A	EXP-HOME BLT	05603JC	EXP-HOME BLT	0560815	EXP-HOME BLT	056083B	EXP-HOME BLT	056083B
EXP-HOME BLT	056025H	EXP-HOME BLT	056035J	EXP-HOME BLT	05603JH	EXP-HOME BLT	0560816	EXP-HOME BLT	056083C	EXP-HOME BLT	056083C
EXP-HOME BLT	0560287	EXP-HOME BLT	056035K	EXP-HOME BLT	05603JL	EXP-HOME BLT	0560818	EXP-HOME BLT	056083F	EXP-HOME BLT	056083F
EXP-HOME BLT	056028A	EXP-HOME BLT	056035L	EXP-HOME BLT	05603L5	EXP-HOME BLT	0560819	EXP-HOME BLT	056083H	EXP-HOME BLT	056083H
EXP-HOME BLT	05602B1	EXP-HOME BLT	056035M	EXP-HOME BLT	05603M2	EXP-HOME BLT	056081A	EXP-HOME BLT	056083K	EXP-HOME BLT	056083K
EXP-HOME BLT	056028R	EXP-HOME BLT	056035T	EXP-HOME BLT	05603MA	EXP-HOME BLT	056081C	EXP-HOME BLT	056083P	EXP-HOME BLT	056083P
EXP-HOME BLT	05602D4	EXP-HOME BLT	056035U	EXP-HOME BLT	05603MK	EXP-HOME BLT	056081D	EXP-HOME BLT	056083R	EXP-HOME BLT	056083R
EXP-HOME BLT	05602FC	EXP-HOME BLT	056035Z	EXP-HOME BLT	05603MS	EXP-HOME BLT	056081E	EXP-HOME BLT	056083T	EXP-HOME BLT	056083T
EXP-HOME BLT	05602H2	EXP-HOME BLT	0560365	EXP-HOME BLT	05603NS	EXP-HOME BLT	056081F	EXP-HOME BLT	056083U	EXP-HOME BLT	056083U
EXP-HOME BLT	05602JC	EXP-HOME BLT	056037F	EXP-HOME BLT	05603N7	EXP-HOME BLT	056081G	EXP-HOME BLT	056083V	EXP-HOME BLT	056083V
EXP-HOME BLT	05602KD	EXP-HOME BLT	056037M	EXP-HOME BLT	05603NM	EXP-HOME BLT	056081J	EXP-HOME BLT	056083W	EXP-HOME BLT	056083W
EXP-HOME BLT	05602KL	EXP-HOME BLT	0560381	EXP-HOME BLT	05603PW	EXP-HOME BLT	056081N	EXP-HOME BLT	056083X	EXP-HOME BLT	056083X
EXP-HOME BLT	05602KP	EXP-HOME BLT	056038Q	EXP-HOME BLT	05603QB	EXP-HOME BLT	056081V	EXP-HOME BLT	056083Y	EXP-HOME BLT	056083Y
EXP-HOME BLT	05602K2	EXP-HOME BLT	056038Z	EXP-HOME BLT	05603R8	EXP-HOME BLT	056081W	EXP-HOME BLT	056083Z	EXP-HOME BLT	056083Z
EXP-HOME BLT	05602L4	EXP-HOME BLT	056039H	EXP-HOME BLT	05603SX	EXP-HOME BLT	056081Y	EXP-HOME BLT	0560841	EXP-HOME BLT	0560841
EXP-HOME BLT	05602R6	EXP-HOME BLT	05603A0	EXP-HOME BLT	05603TB	EXP-HOME BLT	056081Z	EXP-HOME BLT	0560843	EXP-HOME BLT	0560843
EXP-HOME BLT	05602RX	EXP-HOME BLT	05603A3	EXP-HOME BLT	05603TM	EXP-HOME BLT	0560820	EXP-HOME BLT	0560845	EXP-HOME BLT	0560845
EXP-HOME BLT	05602U3	EXP-HOME BLT	05603A8	EXP-HOME BLT	05603TJ	EXP-HOME BLT	0560824	EXP-HOME BLT	0560848	EXP-HOME BLT	0560848
EXP-HOME BLT	05602V5	EXP-HOME BLT	05603AK	EXP-HOME BLT	05603UE	EXP-HOME BLT	0560827	EXP-HOME BLT	056084A	EXP-HOME BLT	056084A
EXP-HOME BLT	05602VQ	EXP-HOME BLT	05603AV	EXP-HOME BLT	05603UW	EXP-HOME BLT	0560829	EXP-HOME BLT	056084C	EXP-HOME BLT	056084C
EXP-HOME BLT		EXP-HOME BLT	05603AZ	EXP-HOME BLT	05603WA	EXP-HOME BLT	056082A	EXP-HOME BLT	056084F	EXP-HOME BLT	056084F
EXP-HOME BLT		EXP-HOME BLT		EXP-HOME BLT		EXP-HOME BLT	056082B	EXP-HOME BLT	056084K	EXP-HOME BLT	056084K

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	05623MU	EXP-HOME BLT	05623WF	EXP-HOME BLT	0562524	EXP-HOME BLT	0562671	EXP-HOME BLT	0562775		
EXP-HOME BLT	05623MZ	EXP-HOME BLT	05623XK	EXP-HOME BLT	0562530	EXP-HOME BLT	0562672	EXP-HOME BLT	0562780		
EXP-HOME BLT	05623NB	EXP-HOME BLT	05623Y7	EXP-HOME BLT	0562534	EXP-HOME BLT	0562674	EXP-HOME BLT	0562787		
EXP-HOME BLT	05623NH	EXP-HOME BLT	05623YQ	EXP-HOME BLT	0562537	EXP-HOME BLT	0562680	EXP-HOME BLT	0562791		
EXP-HOME BLT	05623NJ	EXP-HOME BLT	05623YW	EXP-HOME BLT	0562538	EXP-HOME BLT	0562681	EXP-HOME BLT	0562795		
EXP-HOME BLT	05623NK	EXP-HOME BLT	05623ZD	EXP-HOME BLT	0562540	EXP-HOME BLT	0562686	EXP-HOME BLT	0562798		
EXP-HOME BLT	05623NL	EXP-HOME BLT	0562402	EXP-HOME BLT	0562541	EXP-HOME BLT	0562690	EXP-HOME BLT	056279A		
EXP-HOME BLT	05623NV	EXP-HOME BLT	0562404	EXP-HOME BLT	0562542	EXP-HOME BLT	0562692	EXP-HOME BLT	056279E		
EXP-HOME BLT	05623NW	EXP-HOME BLT	0562405	EXP-HOME BLT	0562547	EXP-HOME BLT	0562696	EXP-HOME BLT	056279K		
EXP-HOME BLT	05623P6	EXP-HOME BLT	0562410	EXP-HOME BLT	0562550	EXP-HOME BLT	0562698	EXP-HOME BLT	056279M		
EXP-HOME BLT	05623P7	EXP-HOME BLT	0562411	EXP-HOME BLT	0562551	EXP-HOME BLT	0562699	EXP-HOME BLT	056279N		
EXP-HOME BLT	05623P8	EXP-HOME BLT	0562415	EXP-HOME BLT	0562552	EXP-HOME BLT	0562702	EXP-HOME BLT	056279P		
EXP-HOME BLT	05623P9	EXP-HOME BLT	0562417	EXP-HOME BLT	0562554	EXP-HOME BLT	0562705	EXP-HOME BLT	056279Q		
EXP-HOME BLT	05623PJ	EXP-HOME BLT	0562428	EXP-HOME BLT	0562557	EXP-HOME BLT	0562712	EXP-HOME BLT	056279T		
EXP-HOME BLT	05623PT	EXP-HOME BLT	0562430	EXP-HOME BLT	0562559	EXP-HOME BLT	0562713	EXP-HOME BLT	056279X		
EXP-HOME BLT	05623Q8	EXP-HOME BLT	0562431	EXP-HOME BLT	0562562	EXP-HOME BLT	0562714	EXP-HOME BLT	0562809		
EXP-HOME BLT	05623Q9	EXP-HOME BLT	0562433	EXP-HOME BLT	0562563	EXP-HOME BLT	0562715	EXP-HOME BLT	0562811		
EXP-HOME BLT	05623Q9	EXP-HOME BLT	0562436	EXP-HOME BLT	0562564	EXP-HOME BLT	0562719	EXP-HOME BLT	0562815		
EXP-HOME BLT	05623Q9	EXP-HOME BLT	0562448	EXP-HOME BLT	0562568	EXP-HOME BLT	0562720	EXP-HOME BLT	0562822		
EXP-HOME BLT	05623Q9	EXP-HOME BLT	0562450	EXP-HOME BLT	0562569	EXP-HOME BLT	0562724	EXP-HOME BLT	0562826		
EXP-HOME BLT	05623Q9	EXP-HOME BLT	0562452	EXP-HOME BLT	0562581	EXP-HOME BLT	0562728	EXP-HOME BLT	0562829		
EXP-HOME BLT	05623Q9	EXP-HOME BLT	0562458	EXP-HOME BLT	0562582	EXP-HOME BLT	0562730	EXP-HOME BLT	0562830		
EXP-HOME BLT	05623RH	EXP-HOME BLT	0562460	EXP-HOME BLT	0562583	EXP-HOME BLT	0562733	EXP-HOME BLT	0562832		
EXP-HOME BLT	05623RN	EXP-HOME BLT	0562461	EXP-HOME BLT	0562601	EXP-HOME BLT	0562737	EXP-HOME BLT	0562834		
EXP-HOME BLT	05623RS	EXP-HOME BLT	0562463	EXP-HOME BLT	0562603	EXP-HOME BLT	0562738	EXP-HOME BLT	0562835		
EXP-HOME BLT	05623SQ	EXP-HOME BLT	0562464	EXP-HOME BLT	0562604	EXP-HOME BLT	0562740	EXP-HOME BLT	0562888		
EXP-HOME BLT	05623SR	EXP-HOME BLT	0562469	EXP-HOME BLT	0562614	EXP-HOME BLT	0562742	EXP-HOME BLT	0562892		
EXP-HOME BLT	05623SV	EXP-HOME BLT	0562472	EXP-HOME BLT	0562622	EXP-HOME BLT	0562743	EXP-HOME BLT	0562893		
EXP-HOME BLT	05623SW	EXP-HOME BLT	0562478	EXP-HOME BLT	0562623	EXP-HOME BLT	0562745	EXP-HOME BLT	0562895		
EXP-HOME BLT	05623T6	EXP-HOME BLT	0562483	EXP-HOME BLT	0562625	EXP-HOME BLT	0562748	EXP-HOME BLT	0562898		
EXP-HOME BLT	05623TN	EXP-HOME BLT	0562485	EXP-HOME BLT	0562629	EXP-HOME BLT	0562752	EXP-HOME BLT	0562901		
EXP-HOME BLT	05623TU	EXP-HOME BLT	0562490	EXP-HOME BLT	0562630	EXP-HOME BLT	0562753	EXP-HOME BLT	0562902		
EXP-HOME BLT	05623U3	EXP-HOME BLT	0562495	EXP-HOME BLT	0562636	EXP-HOME BLT	0562755	EXP-HOME BLT	0562903		
EXP-HOME BLT	05623UA	EXP-HOME BLT	05624A4	EXP-HOME BLT	0562637	EXP-HOME BLT	0562756	EXP-HOME BLT	0562904		
EXP-HOME BLT	05623UB	EXP-HOME BLT	05624AD	EXP-HOME BLT	0562640	EXP-HOME BLT	0562757	EXP-HOME BLT	0562905		
EXP-HOME BLT	05623UC	EXP-HOME BLT	05624BE	EXP-HOME BLT	0562646	EXP-HOME BLT	0562759	EXP-HOME BLT	0562908		
EXP-HOME BLT	05623UX	EXP-HOME BLT	05624CQ	EXP-HOME BLT	0562651	EXP-HOME BLT	0562761	EXP-HOME BLT	0562910		
EXP-HOME BLT	05623VD	EXP-HOME BLT	05624J3	EXP-HOME BLT	0562654	EXP-HOME BLT	0562763	EXP-HOME BLT	0562913		
EXP-HOME BLT	05623VE	EXP-HOME BLT	0562505	EXP-HOME BLT	0562659	EXP-HOME BLT	0562764	EXP-HOME BLT	0562914		
EXP-HOME BLT	05623VF	EXP-HOME BLT	0562521	EXP-HOME BLT	0562660	EXP-HOME BLT	0562768	EXP-HOME BLT	0562917		
EXP-HOME BLT	05623W3	EXP-HOME BLT	0562522	EXP-HOME BLT	0562661	EXP-HOME BLT	0562771	EXP-HOME BLT	0562922		
EXP-HOME BLT	05623W3	EXP-HOME BLT	0562523	EXP-HOME BLT	0562662	EXP-HOME BLT	0562773	EXP-HOME BLT	0562928		

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	0562929	EXP-HOME BLT	0563323	EXP-HOME BLT	0563481	EXP-HOME BLT	0563584	EXP-HOME BLT	0563643
EXP-HOME BLT	0562931	EXP-HOME BLT	0563324	EXP-HOME BLT	0563482	EXP-HOME BLT	0563586	EXP-HOME BLT	0563644
EXP-HOME BLT	0562933	EXP-HOME BLT	0563326	EXP-HOME BLT	0563493	EXP-HOME BLT	0563588	EXP-HOME BLT	0563645
EXP-HOME BLT	0562935	EXP-HOME BLT	0563327	EXP-HOME BLT	0563494	EXP-HOME BLT	0563590	EXP-HOME BLT	0563646
EXP-HOME BLT	0562936	EXP-HOME BLT	0563329	EXP-HOME BLT	0563499	EXP-HOME BLT	0563592	EXP-HOME BLT	0563647
EXP-HOME BLT	0562938	EXP-HOME BLT	0563331	EXP-HOME BLT	05634AA	EXP-HOME BLT	0563598	EXP-HOME BLT	0563648
EXP-HOME BLT	0562944	EXP-HOME BLT	0563332	EXP-HOME BLT	05634AE	EXP-HOME BLT	05635A1	EXP-HOME BLT	0563649
EXP-HOME BLT	0562945	EXP-HOME BLT	0563402	EXP-HOME BLT	0563503	EXP-HOME BLT	05635A4	EXP-HOME BLT	0563650
EXP-HOME BLT	0562950	EXP-HOME BLT	0563404	EXP-HOME BLT	0563502	EXP-HOME BLT	05635A6	EXP-HOME BLT	0563651
EXP-HOME BLT	0562954	EXP-HOME BLT	0563405	EXP-HOME BLT	0563508	EXP-HOME BLT	05635C6	EXP-HOME BLT	0563652
EXP-HOME BLT	0562955	EXP-HOME BLT	0563407	EXP-HOME BLT	0563508	EXP-HOME BLT	05635D1	EXP-HOME BLT	0563653
EXP-HOME BLT	0562964	EXP-HOME BLT	0563408	EXP-HOME BLT	0563510	EXP-HOME BLT	05635D2	EXP-HOME BLT	0563654
EXP-HOME BLT	0562967	EXP-HOME BLT	0563408	EXP-HOME BLT	0563511	EXP-HOME BLT	05635D3	EXP-HOME BLT	0563655
EXP-HOME BLT	0562968	EXP-HOME BLT	0563411	EXP-HOME BLT	0563512	EXP-HOME BLT	05635D4	EXP-HOME BLT	0563656
EXP-HOME BLT	0562969	EXP-HOME BLT	0563412	EXP-HOME BLT	0563513	EXP-HOME BLT	05635D7	EXP-HOME BLT	0563657
EXP-HOME BLT	0562973	EXP-HOME BLT	0563413	EXP-HOME BLT	0563514	EXP-HOME BLT	05635E4	EXP-HOME BLT	0563658
EXP-HOME BLT	0562975	EXP-HOME BLT	0563416	EXP-HOME BLT	0563519	EXP-HOME BLT	05635F2	EXP-HOME BLT	0563659
EXP-HOME BLT	0562977	EXP-HOME BLT	056341E	EXP-HOME BLT	0563522	EXP-HOME BLT	05635F3	EXP-HOME BLT	0563660
EXP-HOME BLT	0562981	EXP-HOME BLT	056341M	EXP-HOME BLT	0563524	EXP-HOME BLT	05635F7	EXP-HOME BLT	0563661
EXP-HOME BLT	0562983	EXP-HOME BLT	056341V	EXP-HOME BLT	0563528	EXP-HOME BLT	05635G4	EXP-HOME BLT	0563662
EXP-HOME BLT	0562984	EXP-HOME BLT	056341W	EXP-HOME BLT	0563525	EXP-HOME BLT	05635G6	EXP-HOME BLT	0563663
EXP-HOME BLT	0562985	EXP-HOME BLT	0563423	EXP-HOME BLT	0563529	EXP-HOME BLT	05635G9	EXP-HOME BLT	0563664
EXP-HOME BLT	0562991	EXP-HOME BLT	0563429	EXP-HOME BLT	0563531	EXP-HOME BLT	05635H1	EXP-HOME BLT	0563665
EXP-HOME BLT	0562993	EXP-HOME BLT	056342A	EXP-HOME BLT	0563532	EXP-HOME BLT	0563604	EXP-HOME BLT	0563666
EXP-HOME BLT	0562998	EXP-HOME BLT	056342B	EXP-HOME BLT	0563533	EXP-HOME BLT	0563607	EXP-HOME BLT	0563667
EXP-HOME BLT	05629AD	EXP-HOME BLT	056342C	EXP-HOME BLT	0563536	EXP-HOME BLT	0563607	EXP-HOME BLT	0563668
EXP-HOME BLT	05629AG	EXP-HOME BLT	056342D	EXP-HOME BLT	0563538	EXP-HOME BLT	0563613	EXP-HOME BLT	0563669
EXP-HOME BLT	05629AH	EXP-HOME BLT	056342J	EXP-HOME BLT	0563539	EXP-HOME BLT	0563615	EXP-HOME BLT	0563670
EXP-HOME BLT	05629AL	EXP-HOME BLT	056342L	EXP-HOME BLT	0563542	EXP-HOME BLT	0563617	EXP-HOME BLT	0563671
EXP-HOME BLT	05629AP	EXP-HOME BLT	056342M	EXP-HOME BLT	0563550	EXP-HOME BLT	0563618	EXP-HOME BLT	0563672
EXP-HOME BLT	05629AQ	EXP-HOME BLT	056342N	EXP-HOME BLT	0563551	EXP-HOME BLT	0563619	EXP-HOME BLT	0563673
EXP-HOME BLT	05629AR	EXP-HOME BLT	056342V	EXP-HOME BLT	0563554	EXP-HOME BLT	056361C	EXP-HOME BLT	0563674
EXP-HOME BLT	05629AT	EXP-HOME BLT	056342W	EXP-HOME BLT	0563557	EXP-HOME BLT	056361E	EXP-HOME BLT	0563675
EXP-HOME BLT	05629AB	EXP-HOME BLT	0563433	EXP-HOME BLT	0563558	EXP-HOME BLT	056361K	EXP-HOME BLT	0563676
EXP-HOME BLT	05629BB	EXP-HOME BLT	0563439	EXP-HOME BLT	0563561	EXP-HOME BLT	056361L	EXP-HOME BLT	0563677
EXP-HOME BLT	05629BB	EXP-HOME BLT	0563441	EXP-HOME BLT	0563564	EXP-HOME BLT	056361R	EXP-HOME BLT	0563678
EXP-HOME BLT	05629BF	EXP-HOME BLT	0563444	EXP-HOME BLT	0563566	EXP-HOME BLT	0563621	EXP-HOME BLT	0563679
EXP-HOME BLT	05629BJ	EXP-HOME BLT	0563446	EXP-HOME BLT	0563567	EXP-HOME BLT	0563622	EXP-HOME BLT	0563680
EXP-HOME BLT	05629BK	EXP-HOME BLT	0563453	EXP-HOME BLT	0563568	EXP-HOME BLT	0563625	EXP-HOME BLT	0563681
EXP-HOME BLT	05629BL	EXP-HOME BLT	0563455	EXP-HOME BLT	0563570	EXP-HOME BLT	0563627	EXP-HOME BLT	0563682
EXP-HOME BLT	05629BM	EXP-HOME BLT	0563465	EXP-HOME BLT	0563572	EXP-HOME BLT	0563628	EXP-HOME BLT	0563683
EXP-HOME BLT	05629BQ	EXP-HOME BLT	0563469	EXP-HOME BLT	0563573	EXP-HOME BLT	0563630	EXP-HOME BLT	0563684
EXP-HOME BLT	05629BW	EXP-HOME BLT	0563475	EXP-HOME BLT	0563574	EXP-HOME BLT	0563640	EXP-HOME BLT	0563685
EXP-HOME BLT	0563320	EXP-HOME BLT	0563478	EXP-HOME BLT	0563578	EXP-HOME BLT	0563643	EXP-HOME BLT	0563686

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	0563644	EXP-HOME BLT	05637AK	EXP-HOME BLT	05637E6	EXP-HOME BLT	05637T6	EXP-HOME BLT	0563801	EXP-HOME BLT	0564222
EXP-HOME BLT	0563646	EXP-HOME BLT	05637AL	EXP-HOME BLT	05637E9	EXP-HOME BLT	0563801	EXP-HOME BLT	0563801	EXP-HOME BLT	0564223
EXP-HOME BLT	0563647	EXP-HOME BLT	05637AM	EXP-HOME BLT	05637EB	EXP-HOME BLT	0563803	EXP-HOME BLT	0563803	EXP-HOME BLT	0564228
EXP-HOME BLT	0563651	EXP-HOME BLT	05637AN	EXP-HOME BLT	05637EE	EXP-HOME BLT	0563805	EXP-HOME BLT	0563805	EXP-HOME BLT	0564229
EXP-HOME BLT	0563653	EXP-HOME BLT	05637AP	EXP-HOME BLT	05637EJ	EXP-HOME BLT	0563807	EXP-HOME BLT	0563807	EXP-HOME BLT	0564232
EXP-HOME BLT	0563657	EXP-HOME BLT	05637AS	EXP-HOME BLT	05637EK	EXP-HOME BLT	0563903	EXP-HOME BLT	0563903	EXP-HOME BLT	0564234
EXP-HOME BLT	0563659	EXP-HOME BLT	05637AW	EXP-HOME BLT	05637EL	EXP-HOME BLT	0563914	EXP-HOME BLT	0563914	EXP-HOME BLT	0564235
EXP-HOME BLT	0563660	EXP-HOME BLT	05637B2	EXP-HOME BLT	05637EM	EXP-HOME BLT	0564001	EXP-HOME BLT	0564001	EXP-HOME BLT	0564236
EXP-HOME BLT	0563661	EXP-HOME BLT	05637B6	EXP-HOME BLT	05637EN	EXP-HOME BLT	0564007	EXP-HOME BLT	0564007	EXP-HOME BLT	0564308
EXP-HOME BLT	0563662	EXP-HOME BLT	05637BA	EXP-HOME BLT	05637EP	EXP-HOME BLT	0564010	EXP-HOME BLT	0564010	EXP-HOME BLT	0564402
EXP-HOME BLT	0563664	EXP-HOME BLT	05637BC	EXP-HOME BLT	05637EQ	EXP-HOME BLT	0564011	EXP-HOME BLT	0564011	EXP-HOME BLT	0564403
EXP-HOME BLT	0563666	EXP-HOME BLT	05637BD	EXP-HOME BLT	05637F4	EXP-HOME BLT	0564017	EXP-HOME BLT	0564017	EXP-HOME BLT	0564411
EXP-HOME BLT	0563675	EXP-HOME BLT	05637BH	EXP-HOME BLT	05637F6	EXP-HOME BLT	0564020	EXP-HOME BLT	0564020	EXP-HOME BLT	0564412
EXP-HOME BLT	0563682	EXP-HOME BLT	05637BM	EXP-HOME BLT	05637F8	EXP-HOME BLT	0564021	EXP-HOME BLT	0564021	EXP-HOME BLT	0564413
EXP-HOME BLT	0563683	EXP-HOME BLT	05637BN	EXP-HOME BLT	05637G6	EXP-HOME BLT	0564022	EXP-HOME BLT	0564022	EXP-HOME BLT	0564415
EXP-HOME BLT	0563684	EXP-HOME BLT	05637BP	EXP-HOME BLT	05637H6	EXP-HOME BLT	0564024	EXP-HOME BLT	0564024	EXP-HOME BLT	0564417
EXP-HOME BLT	0563689	EXP-HOME BLT	05637BR	EXP-HOME BLT	05637H7	EXP-HOME BLT	0564025	EXP-HOME BLT	0564025	EXP-HOME BLT	0564419
EXP-HOME BLT	0563690	EXP-HOME BLT	05637BT	EXP-HOME BLT	05637J1	EXP-HOME BLT	0564026	EXP-HOME BLT	0564026	EXP-HOME BLT	0564430
EXP-HOME BLT	0563692	EXP-HOME BLT	05637C7	EXP-HOME BLT	05637J7	EXP-HOME BLT	0564028	EXP-HOME BLT	0564028	EXP-HOME BLT	0564435
EXP-HOME BLT	0563702	EXP-HOME BLT	05637CA	EXP-HOME BLT	05637J8	EXP-HOME BLT	0564029	EXP-HOME BLT	0564029	EXP-HOME BLT	0564436
EXP-HOME BLT	0563703	EXP-HOME BLT	05637CB	EXP-HOME BLT	05637J9	EXP-HOME BLT	0564032	EXP-HOME BLT	0564032	EXP-HOME BLT	0564455
EXP-HOME BLT	0563705	EXP-HOME BLT	05637CG	EXP-HOME BLT	05637K5	EXP-HOME BLT	0564034	EXP-HOME BLT	0564034	EXP-HOME BLT	0564459
EXP-HOME BLT	0563706	EXP-HOME BLT	05637CQ	EXP-HOME BLT	05637L1	EXP-HOME BLT	0564033	EXP-HOME BLT	0564033	EXP-HOME BLT	0564468
EXP-HOME BLT	0563720	EXP-HOME BLT	05637CR	EXP-HOME BLT	05637L5	EXP-HOME BLT	0564040	EXP-HOME BLT	0564040	EXP-HOME BLT	0564488
EXP-HOME BLT	0563728	EXP-HOME BLT	05637CX	EXP-HOME BLT	05637L8	EXP-HOME BLT	0564041	EXP-HOME BLT	0564041	EXP-HOME BLT	056448E
EXP-HOME BLT	0563746	EXP-HOME BLT	05637CZ	EXP-HOME BLT	05637M4	EXP-HOME BLT	0564042	EXP-HOME BLT	0564042	EXP-HOME BLT	056448K
EXP-HOME BLT	0563754	EXP-HOME BLT	05637D2	EXP-HOME BLT	05637M5	EXP-HOME BLT	0564043	EXP-HOME BLT	0564043	EXP-HOME BLT	056448M
EXP-HOME BLT	0563757	EXP-HOME BLT	05637D4	EXP-HOME BLT	05637M9	EXP-HOME BLT	0564101	EXP-HOME BLT	0564101	EXP-HOME BLT	056448Y
EXP-HOME BLT	0563758	EXP-HOME BLT	05637DC	EXP-HOME BLT	05637N2	EXP-HOME BLT	0564103	EXP-HOME BLT	0564103	EXP-HOME BLT	056448CJ
EXP-HOME BLT	0563759	EXP-HOME BLT	05637DD	EXP-HOME BLT	05637N4	EXP-HOME BLT	0564201	EXP-HOME BLT	0564201	EXP-HOME BLT	056448M
EXP-HOME BLT	0563763	EXP-HOME BLT	05637DG	EXP-HOME BLT	05637N5	EXP-HOME BLT	0564203	EXP-HOME BLT	0564203	EXP-HOME BLT	056448D
EXP-HOME BLT	0563766	EXP-HOME BLT	05637DH	EXP-HOME BLT	05637N7	EXP-HOME BLT	0564206	EXP-HOME BLT	0564206	EXP-HOME BLT	056448N
EXP-HOME BLT	0563770	EXP-HOME BLT	05637DJ	EXP-HOME BLT	05637N8	EXP-HOME BLT	0564207	EXP-HOME BLT	0564207	EXP-HOME BLT	056448X
EXP-HOME BLT	0563776	EXP-HOME BLT	05637DK	EXP-HOME BLT	05637P4	EXP-HOME BLT	0564210	EXP-HOME BLT	0564210	EXP-HOME BLT	056448E
EXP-HOME BLT	0563781	EXP-HOME BLT	05637DM	EXP-HOME BLT	05637P5	EXP-HOME BLT	0564211	EXP-HOME BLT	0564211	EXP-HOME BLT	056448ER
EXP-HOME BLT	0563784	EXP-HOME BLT	05637DQ	EXP-HOME BLT	05637P8	EXP-HOME BLT	0564212	EXP-HOME BLT	0564212	EXP-HOME BLT	056448EV
EXP-HOME BLT	0563787	EXP-HOME BLT	05637DR	EXP-HOME BLT	05637R2	EXP-HOME BLT	0564213	EXP-HOME BLT	0564213	EXP-HOME BLT	056448EW
EXP-HOME BLT	0563789	EXP-HOME BLT	05637DS	EXP-HOME BLT	05637R4	EXP-HOME BLT	0564214	EXP-HOME BLT	0564214	EXP-HOME BLT	056448FB
EXP-HOME BLT	0563796	EXP-HOME BLT	05637DU	EXP-HOME BLT	05637R6	EXP-HOME BLT	0564216	EXP-HOME BLT	0564216	EXP-HOME BLT	056448FL
EXP-HOME BLT	0563798	EXP-HOME BLT	05637DW	EXP-HOME BLT	05637R7	EXP-HOME BLT	0564219	EXP-HOME BLT	0564219	EXP-HOME BLT	056448FM
EXP-HOME BLT	05637AH	EXP-HOME BLT	05637DX	EXP-HOME BLT	05637S4	EXP-HOME BLT	0564221	EXP-HOME BLT	0564221	EXP-HOME BLT	056448FN
EXP-HOME BLT	05637AJ	EXP-HOME BLT	05637E3	EXP-HOME BLT	05637T4	EXP-HOME BLT		EXP-HOME BLT		EXP-HOME BLT	

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	05649DB	EXP-HOME BLT	0565082	EXP-HOME BLT	05650H9	EXP-HOME BLT	0565212	EXP-HOME BLT	05653H5	EXP-HOME BLT	05653H5
EXP-HOME BLT	05649EJ	EXP-HOME BLT	0565083	EXP-HOME BLT	05650J2	EXP-HOME BLT	0565220	EXP-HOME BLT	05653H9	EXP-HOME BLT	05653H9
EXP-HOME BLT	0565001	EXP-HOME BLT	0565087	EXP-HOME BLT	05650J3	EXP-HOME BLT	0565233	EXP-HOME BLT	05653J2	EXP-HOME BLT	05653J2
EXP-HOME BLT	0565003	EXP-HOME BLT	0565089	EXP-HOME BLT	05650J4	EXP-HOME BLT	0565236	EXP-HOME BLT	05653J8	EXP-HOME BLT	05653J8
EXP-HOME BLT	0565004	EXP-HOME BLT	0565093	EXP-HOME BLT	05650J6	EXP-HOME BLT	0565305	EXP-HOME BLT	05653K2	EXP-HOME BLT	05653K2
EXP-HOME BLT	0565006	EXP-HOME BLT	0565094	EXP-HOME BLT	05650J7	EXP-HOME BLT	0565306	EXP-HOME BLT	05653L6	EXP-HOME BLT	05653L6
EXP-HOME BLT	0565007	EXP-HOME BLT	0565095	EXP-HOME BLT	05650K5	EXP-HOME BLT	0565307	EXP-HOME BLT	05653L8	EXP-HOME BLT	05653L8
EXP-HOME BLT	0565013	EXP-HOME BLT	0565097	EXP-HOME BLT	05650K7	EXP-HOME BLT	0565308	EXP-HOME BLT	0565402	EXP-HOME BLT	0565402
EXP-HOME BLT	0565017	EXP-HOME BLT	0565099	EXP-HOME BLT	05650K8	EXP-HOME BLT	0565314	EXP-HOME BLT	0565403	EXP-HOME BLT	0565403
EXP-HOME BLT	0565021	EXP-HOME BLT	05650A1	EXP-HOME BLT	05650L5	EXP-HOME BLT	0565320	EXP-HOME BLT	0565405	EXP-HOME BLT	0565405
EXP-HOME BLT	0565023	EXP-HOME BLT	05650A3	EXP-HOME BLT	05650L8	EXP-HOME BLT	0565321	EXP-HOME BLT	0565411	EXP-HOME BLT	0565411
EXP-HOME BLT	0565024	EXP-HOME BLT	05650A6	EXP-HOME BLT	05650L9	EXP-HOME BLT	0565323	EXP-HOME BLT	0565412	EXP-HOME BLT	0565412
EXP-HOME BLT	0565025	EXP-HOME BLT	05650B1	EXP-HOME BLT	05650M1	EXP-HOME BLT	0565326	EXP-HOME BLT	0565414	EXP-HOME BLT	0565414
EXP-HOME BLT	0565027	EXP-HOME BLT	05650C4	EXP-HOME BLT	05650M3	EXP-HOME BLT	0565333	EXP-HOME BLT	0565415	EXP-HOME BLT	0565415
EXP-HOME BLT	0565028	EXP-HOME BLT	05650C5	EXP-HOME BLT	05650M6	EXP-HOME BLT	0565335	EXP-HOME BLT	0565417	EXP-HOME BLT	0565417
EXP-HOME BLT	0565030	EXP-HOME BLT	05650C6	EXP-HOME BLT	05650M9	EXP-HOME BLT	0565337	EXP-HOME BLT	0565419	EXP-HOME BLT	0565419
EXP-HOME BLT	0565034	EXP-HOME BLT	05650C7	EXP-HOME BLT	05650N2	EXP-HOME BLT	0565342	EXP-HOME BLT	0565424	EXP-HOME BLT	0565424
EXP-HOME BLT	0565035	EXP-HOME BLT	05650C9	EXP-HOME BLT	05650N4	EXP-HOME BLT	0565346	EXP-HOME BLT	0565429	EXP-HOME BLT	0565429
EXP-HOME BLT	0565040	EXP-HOME BLT	05650D1	EXP-HOME BLT	05650N6	EXP-HOME BLT	0565356	EXP-HOME BLT	0565430	EXP-HOME BLT	0565430
EXP-HOME BLT	0565041	EXP-HOME BLT	05650D2	EXP-HOME BLT	05650N7	EXP-HOME BLT	0565357	EXP-HOME BLT	0565432	EXP-HOME BLT	0565432
EXP-HOME BLT	0565042	EXP-HOME BLT	05650D3	EXP-HOME BLT	05650N9	EXP-HOME BLT	0565359	EXP-HOME BLT	0565433	EXP-HOME BLT	0565433
EXP-HOME BLT	0565043	EXP-HOME BLT	05650D5	EXP-HOME BLT	05650P2	EXP-HOME BLT	0565379	EXP-HOME BLT	0565442	EXP-HOME BLT	0565442
EXP-HOME BLT	0565044	EXP-HOME BLT	05650D6	EXP-HOME BLT	05650P3	EXP-HOME BLT	0565394	EXP-HOME BLT	0565443	EXP-HOME BLT	0565443
EXP-HOME BLT	0565045	EXP-HOME BLT	05650E1	EXP-HOME BLT	05650P5	EXP-HOME BLT	0565396	EXP-HOME BLT	0565501	EXP-HOME BLT	0565501
EXP-HOME BLT	0565046	EXP-HOME BLT	05650E4	EXP-HOME BLT	05650P7	EXP-HOME BLT	0565397	EXP-HOME BLT	0565502	EXP-HOME BLT	0565502
EXP-HOME BLT	0565048	EXP-HOME BLT	05650E8	EXP-HOME BLT	05650Q1	EXP-HOME BLT	0565398	EXP-HOME BLT	0565503	EXP-HOME BLT	0565503
EXP-HOME BLT	0565049	EXP-HOME BLT	05650E9	EXP-HOME BLT	0565101	EXP-HOME BLT	0565399	EXP-HOME BLT	0565504	EXP-HOME BLT	0565504
EXP-HOME BLT	0565053	EXP-HOME BLT	05650F2	EXP-HOME BLT	0565102	EXP-HOME BLT	0565399	EXP-HOME BLT	0565507	EXP-HOME BLT	0565507
EXP-HOME BLT	0565058	EXP-HOME BLT	05650F3	EXP-HOME BLT	0565104	EXP-HOME BLT	05653A2	EXP-HOME BLT	0565508	EXP-HOME BLT	0565508
EXP-HOME BLT	0565059	EXP-HOME BLT	05650F8	EXP-HOME BLT	0565108	EXP-HOME BLT	05653A4	EXP-HOME BLT	0565510	EXP-HOME BLT	0565510
EXP-HOME BLT	0565060	EXP-HOME BLT	05650F9	EXP-HOME BLT	0565109	EXP-HOME BLT	05653B2	EXP-HOME BLT	0565513	EXP-HOME BLT	0565513
EXP-HOME BLT	0565061	EXP-HOME BLT	05650G1	EXP-HOME BLT	0565110	EXP-HOME BLT	05653C2	EXP-HOME BLT	0565514	EXP-HOME BLT	0565514
EXP-HOME BLT	0565062	EXP-HOME BLT	05650G2	EXP-HOME BLT	0565115	EXP-HOME BLT	05653C4	EXP-HOME BLT	0565515	EXP-HOME BLT	0565515
EXP-HOME BLT	0565063	EXP-HOME BLT	05650G3	EXP-HOME BLT	0565119	EXP-HOME BLT	05653C5	EXP-HOME BLT	0565516	EXP-HOME BLT	0565516
EXP-HOME BLT	0565064	EXP-HOME BLT	05650G4	EXP-HOME BLT	0565122	EXP-HOME BLT	05653C6	EXP-HOME BLT	0565519	EXP-HOME BLT	0565519
EXP-HOME BLT	0565066	EXP-HOME BLT	05650G5	EXP-HOME BLT	0565128	EXP-HOME BLT	05653C8	EXP-HOME BLT	056551A	EXP-HOME BLT	056551A
EXP-HOME BLT	0565067	EXP-HOME BLT	05650G7	EXP-HOME BLT	0565131	EXP-HOME BLT	05653C9	EXP-HOME BLT	0565520	EXP-HOME BLT	0565520
EXP-HOME BLT	0565069	EXP-HOME BLT	05650G9	EXP-HOME BLT	0565132	EXP-HOME BLT	05653E9	EXP-HOME BLT	0565521	EXP-HOME BLT	0565521
EXP-HOME BLT	0565073	EXP-HOME BLT	05650H1	EXP-HOME BLT	0565137	EXP-HOME BLT	05653F4	EXP-HOME BLT	0565526	EXP-HOME BLT	0565526
EXP-HOME BLT	0565074	EXP-HOME BLT	05650H2	EXP-HOME BLT	0565138	EXP-HOME BLT	05653F5	EXP-HOME BLT	0565528	EXP-HOME BLT	0565528
EXP-HOME BLT	0565075	EXP-HOME BLT	05650H4	EXP-HOME BLT	0565139	EXP-HOME BLT	05653G2	EXP-HOME BLT			
EXP-HOME BLT	0565076	EXP-HOME BLT	05650H7	EXP-HOME BLT	0565144	EXP-HOME BLT					
EXP-HOME BLT	0565078	EXP-HOME BLT	05650H8	EXP-HOME BLT	0565201	EXP-HOME BLT					

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	05690H3	EXP-HOME BLT	05690T3	EXP-HOME BLT	0569112	EXP-HOME BLT	0569185	EXP-HOME BLT	05691BZ	EXP-HOME BLT	05691BZ
EXP-HOME BLT	05690H4	EXP-HOME BLT	05690T5	EXP-HOME BLT	0569115	EXP-HOME BLT	0569186	EXP-HOME BLT	05691CB	EXP-HOME BLT	05691CB
EXP-HOME BLT	05690H7	EXP-HOME BLT	05690T6	EXP-HOME BLT	0569117	EXP-HOME BLT	0569187	EXP-HOME BLT	05691CC	EXP-HOME BLT	05691CC
EXP-HOME BLT	05690J1	EXP-HOME BLT	05690T7	EXP-HOME BLT	0569119	EXP-HOME BLT	0569189	EXP-HOME BLT	05691CF	EXP-HOME BLT	05691CF
EXP-HOME BLT	05690J2	EXP-HOME BLT	05690T8	EXP-HOME BLT	0569123	EXP-HOME BLT	0569191	EXP-HOME BLT	05691CG	EXP-HOME BLT	05691CG
EXP-HOME BLT	05690J3	EXP-HOME BLT	05690U1	EXP-HOME BLT	0569125	EXP-HOME BLT	0569192	EXP-HOME BLT	05691CQ	EXP-HOME BLT	05691CQ
EXP-HOME BLT	05690J7	EXP-HOME BLT	05690U2	EXP-HOME BLT	0569126	EXP-HOME BLT	0569194	EXP-HOME BLT	05691CR	EXP-HOME BLT	05691CR
EXP-HOME BLT	05690J8	EXP-HOME BLT	05690U3	EXP-HOME BLT	0569127	EXP-HOME BLT	0569195	EXP-HOME BLT	05691CT	EXP-HOME BLT	05691CT
EXP-HOME BLT	05690J9	EXP-HOME BLT	05690U5	EXP-HOME BLT	0569128	EXP-HOME BLT	0569196	EXP-HOME BLT	05691CU	EXP-HOME BLT	05691CU
EXP-HOME BLT	05690K3	EXP-HOME BLT	05690U6	EXP-HOME BLT	0569130	EXP-HOME BLT	0569197	EXP-HOME BLT	05691CV	EXP-HOME BLT	05691CV
EXP-HOME BLT	05690K4	EXP-HOME BLT	05690U9	EXP-HOME BLT	0569132	EXP-HOME BLT	0569198	EXP-HOME BLT	05691CW	EXP-HOME BLT	05691CW
EXP-HOME BLT	05690K6	EXP-HOME BLT	05690V1	EXP-HOME BLT	0569134	EXP-HOME BLT	0569199	EXP-HOME BLT	05691CX	EXP-HOME BLT	05691CX
EXP-HOME BLT	05690K7	EXP-HOME BLT	05690V2	EXP-HOME BLT	0569137	EXP-HOME BLT	05691AB	EXP-HOME BLT	05691CY	EXP-HOME BLT	05691CY
EXP-HOME BLT	05690L2	EXP-HOME BLT	05690V3	EXP-HOME BLT	0569139	EXP-HOME BLT	05691AC	EXP-HOME BLT	05691DD	EXP-HOME BLT	05691DD
EXP-HOME BLT	05690L3	EXP-HOME BLT	05690V8	EXP-HOME BLT	0569140	EXP-HOME BLT	05691AD	EXP-HOME BLT	05691DG	EXP-HOME BLT	05691DG
EXP-HOME BLT	05690L5	EXP-HOME BLT	05690V9	EXP-HOME BLT	0569141	EXP-HOME BLT	05691AE	EXP-HOME BLT	05691DH	EXP-HOME BLT	05691DH
EXP-HOME BLT	05690L8	EXP-HOME BLT	05690W1	EXP-HOME BLT	0569143	EXP-HOME BLT	05691AF	EXP-HOME BLT	05691DJ	EXP-HOME BLT	05691DJ
EXP-HOME BLT	05690L9	EXP-HOME BLT	05690W4	EXP-HOME BLT	0569144	EXP-HOME BLT	05691AG	EXP-HOME BLT	05691DL	EXP-HOME BLT	05691DL
EXP-HOME BLT	05690M4	EXP-HOME BLT	05690W5	EXP-HOME BLT	0569145	EXP-HOME BLT	05691AJ	EXP-HOME BLT	05691DM	EXP-HOME BLT	05691DM
EXP-HOME BLT	05690M9	EXP-HOME BLT	05690W6	EXP-HOME BLT	0569147	EXP-HOME BLT	05691AK	EXP-HOME BLT	05691DP	EXP-HOME BLT	05691DP
EXP-HOME BLT	05690N1	EXP-HOME BLT	05690W7	EXP-HOME BLT	0569148	EXP-HOME BLT	05691AL	EXP-HOME BLT	05691DS	EXP-HOME BLT	05691DS
EXP-HOME BLT	05690N2	EXP-HOME BLT	05690X8	EXP-HOME BLT	0569150	EXP-HOME BLT	05691AQ	EXP-HOME BLT	05691DT	EXP-HOME BLT	05691DT
EXP-HOME BLT	05690N3	EXP-HOME BLT	05690X2	EXP-HOME BLT	0569151	EXP-HOME BLT	05691AR	EXP-HOME BLT	05691DV	EXP-HOME BLT	05691DV
EXP-HOME BLT	05690N5	EXP-HOME BLT	05690X3	EXP-HOME BLT	0569153	EXP-HOME BLT	05691AS	EXP-HOME BLT	05691DY	EXP-HOME BLT	05691DY
EXP-HOME BLT	05690N6	EXP-HOME BLT	05690X4	EXP-HOME BLT	0569154	EXP-HOME BLT	05691AT	EXP-HOME BLT	05691DZ	EXP-HOME BLT	05691DZ
EXP-HOME BLT	05690P2	EXP-HOME BLT	05690X8	EXP-HOME BLT	0569157	EXP-HOME BLT	05691AX	EXP-HOME BLT	05691EA	EXP-HOME BLT	05691EA
EXP-HOME BLT	05690P4	EXP-HOME BLT	05690X7	EXP-HOME BLT	0569158	EXP-HOME BLT	05691AY	EXP-HOME BLT	05691ED	EXP-HOME BLT	05691ED
EXP-HOME BLT	05690P8	EXP-HOME BLT	05690Y1	EXP-HOME BLT	0569159	EXP-HOME BLT	05691AZ	EXP-HOME BLT	05691EE	EXP-HOME BLT	05691EE
EXP-HOME BLT	05690Q2	EXP-HOME BLT	05690Y4	EXP-HOME BLT	0569160	EXP-HOME BLT	05691BA	EXP-HOME BLT	05691EG	EXP-HOME BLT	05691EG
EXP-HOME BLT	05690Q3	EXP-HOME BLT	05690Y7	EXP-HOME BLT	0569161	EXP-HOME BLT	05691BC	EXP-HOME BLT	05691EH	EXP-HOME BLT	05691EH
EXP-HOME BLT	05690Q4	EXP-HOME BLT	05690Y8	EXP-HOME BLT	0569163	EXP-HOME BLT	05691BD	EXP-HOME BLT	05691EJ	EXP-HOME BLT	05691EJ
EXP-HOME BLT	05690Q5	EXP-HOME BLT	05690Z1	EXP-HOME BLT	0569165	EXP-HOME BLT	05691BG	EXP-HOME BLT	05691EL	EXP-HOME BLT	05691EL
EXP-HOME BLT	05690Q6	EXP-HOME BLT	05690Z3	EXP-HOME BLT	0569166	EXP-HOME BLT	05691BH	EXP-HOME BLT	05691EN	EXP-HOME BLT	05691EN
EXP-HOME BLT	05690Q8	EXP-HOME BLT	05690Z4	EXP-HOME BLT	0569167	EXP-HOME BLT	05691BJ	EXP-HOME BLT	05691ER	EXP-HOME BLT	05691ER
EXP-HOME BLT	05690R2	EXP-HOME BLT	05690Z5	EXP-HOME BLT	0569168	EXP-HOME BLT	05691BK	EXP-HOME BLT	05691EW	EXP-HOME BLT	05691EW
EXP-HOME BLT	05690R3	EXP-HOME BLT	05690Z7	EXP-HOME BLT	0569169	EXP-HOME BLT	05691BL	EXP-HOME BLT	05691EX	EXP-HOME BLT	05691EX
EXP-HOME BLT	05690R4	EXP-HOME BLT	0569100	EXP-HOME BLT	0569170	EXP-HOME BLT	05691BN	EXP-HOME BLT	05691FZ	EXP-HOME BLT	05691FZ
EXP-HOME BLT	05690R9	EXP-HOME BLT	0569101	EXP-HOME BLT	0569174	EXP-HOME BLT	05691BQ	EXP-HOME BLT	05691FB	EXP-HOME BLT	05691FB
EXP-HOME BLT	05690S1	EXP-HOME BLT	0569102	EXP-HOME BLT	0569177	EXP-HOME BLT	05691BR	EXP-HOME BLT	05691FC	EXP-HOME BLT	05691FC
EXP-HOME BLT	05690S2	EXP-HOME BLT	0569108	EXP-HOME BLT	0569179	EXP-HOME BLT	05691BT	EXP-HOME BLT	05691FD	EXP-HOME BLT	05691FD
EXP-HOME BLT	05690S3	EXP-HOME BLT	0569109	EXP-HOME BLT	0569181	EXP-HOME BLT	05691BX	EXP-HOME BLT	05691FE	EXP-HOME BLT	05691FE
EXP-HOME BLT	05690S5	EXP-HOME BLT	0569110	EXP-HOME BLT	0569183	EXP-HOME BLT	05691BY	EXP-HOME BLT	05691FF	EXP-HOME BLT	05691FF
EXP-HOME BLT		EXP-HOME BLT		EXP-HOME BLT		EXP-HOME BLT		EXP-HOME BLT	05691FJ	EXP-HOME BLT	05691FJ

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AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	05691FK	EXP-HOME BLT	0760769	EXP-HOME BLT	1130483	EXP-HOME BLT	1130513	EXP-HOME BLT	11307J7
EXP-HOME BLT	05691FL	EXP-HOME BLT	0760807	EXP-HOME BLT	1130488	EXP-HOME BLT	1130514	EXP-HOME BLT	11307K4
EXP-HOME BLT	05691FN	EXP-HOME BLT	0760809	EXP-HOME BLT	1130489	EXP-HOME BLT	1130524	EXP-HOME BLT	11307K9
EXP-HOME BLT	05691FQ	EXP-HOME BLT	0760816	EXP-HOME BLT	1130493	EXP-HOME BLT	1130527	EXP-HOME BLT	11307L4
EXP-HOME BLT	05691FR	EXP-HOME BLT	076089K	EXP-HOME BLT	1130495	EXP-HOME BLT	1130531	EXP-HOME BLT	11307L5
EXP-HOME BLT	05691FV	EXP-HOME BLT	0761174	EXP-HOME BLT	1130498	EXP-HOME BLT	1130532	EXP-HOME BLT	11307L7
EXP-HOME BLT	05691FW	EXP-HOME BLT	0780149	EXP-HOME BLT	1130499	EXP-HOME BLT	1130533	EXP-HOME BLT	11307M1
EXP-HOME BLT	05691FX	EXP-HOME BLT	0780170	EXP-HOME BLT	11304A1	EXP-HOME BLT	1130545	EXP-HOME BLT	11307M4
EXP-HOME BLT	05691FZ	EXP-HOME BLT	0900108	EXP-HOME BLT	11304A3	EXP-HOME BLT	1130568	EXP-HOME BLT	11307M8
EXP-HOME BLT	05691GA	EXP-HOME BLT	1130201	EXP-HOME BLT	11304A4	EXP-HOME BLT	1130574	EXP-HOME BLT	11307N3
EXP-HOME BLT	05691GD	EXP-HOME BLT	1130203	EXP-HOME BLT	11304A6	EXP-HOME BLT	1130575	EXP-HOME BLT	11307N4
EXP-HOME BLT	05691GE	EXP-HOME BLT	1130402	EXP-HOME BLT	11304A9	EXP-HOME BLT	1130591	EXP-HOME BLT	11307N8
EXP-HOME BLT	05691GF	EXP-HOME BLT	1130415	EXP-HOME BLT	11304B1	EXP-HOME BLT	1130603	EXP-HOME BLT	11307P1
EXP-HOME BLT	05691GG	EXP-HOME BLT	1130416	EXP-HOME BLT	11304B2	EXP-HOME BLT	1130608	EXP-HOME BLT	11307P4
EXP-HOME BLT	05691GJ	EXP-HOME BLT	1130417	EXP-HOME BLT	11304B3	EXP-HOME BLT	1130616	EXP-HOME BLT	11307P5
EXP-HOME BLT	05691GK	EXP-HOME BLT	1130419	EXP-HOME BLT	11304B4	EXP-HOME BLT	1130618	EXP-HOME BLT	11307P6
EXP-HOME BLT	05691GR	EXP-HOME BLT	1130421	EXP-HOME BLT	11304B5	EXP-HOME BLT	1130620	EXP-HOME BLT	11307P7
EXP-HOME BLT	05691GS	EXP-HOME BLT	1130427	EXP-HOME BLT	11304B6	EXP-HOME BLT	1130623	EXP-HOME BLT	11307P9
EXP-HOME BLT	05691GU	EXP-HOME BLT	1130431	EXP-HOME BLT	11304B7	EXP-HOME BLT	1130627	EXP-HOME BLT	11307P1
EXP-HOME BLT	05691GH	EXP-HOME BLT	1130432	EXP-HOME BLT	11304B9	EXP-HOME BLT	1130738	EXP-HOME BLT	11307G2
EXP-HOME BLT	05691GX	EXP-HOME BLT	1130434	EXP-HOME BLT	11304C1	EXP-HOME BLT	1130769	EXP-HOME BLT	11307G4
EXP-HOME BLT	05691HG	EXP-HOME BLT	1130435	EXP-HOME BLT	11304C2	EXP-HOME BLT	1130771	EXP-HOME BLT	1130805
EXP-HOME BLT	05691HA	EXP-HOME BLT	1130437	EXP-HOME BLT	11304C3	EXP-HOME BLT	1130781	EXP-HOME BLT	1130813
EXP-HOME BLT	05691HB	EXP-HOME BLT	1130439	EXP-HOME BLT	11304C4	EXP-HOME BLT	1130783	EXP-HOME BLT	1130815
EXP-HOME BLT	05691HE	EXP-HOME BLT	1130440	EXP-HOME BLT	11304C8	EXP-HOME BLT	1130785	EXP-HOME BLT	1130816
EXP-HOME BLT	05691HG	EXP-HOME BLT	1130441	EXP-HOME BLT	11304C9	EXP-HOME BLT	1130789	EXP-HOME BLT	1130817
EXP-HOME BLT	05691HK	EXP-HOME BLT	1130445	EXP-HOME BLT	11304D1	EXP-HOME BLT	11307C9	EXP-HOME BLT	1130818
EXP-HOME BLT	05691HM	EXP-HOME BLT	1130447	EXP-HOME BLT	11304D4	EXP-HOME BLT	11307D6	EXP-HOME BLT	1130820
EXP-HOME BLT	05691HS	EXP-HOME BLT	1130449	EXP-HOME BLT	11304D8	EXP-HOME BLT	11307E5	EXP-HOME BLT	1130827
EXP-HOME BLT	05691HT	EXP-HOME BLT	1130451	EXP-HOME BLT	11304D9	EXP-HOME BLT	11307E8	EXP-HOME BLT	1130831
EXP-HOME BLT	05691HY	EXP-HOME BLT	1130456	EXP-HOME BLT	11304E1	EXP-HOME BLT	11307F7	EXP-HOME BLT	1130836
EXP-HOME BLT	05691JA	EXP-HOME BLT	1130458	EXP-HOME BLT	11304E2	EXP-HOME BLT	11307F9	EXP-HOME BLT	1130837
EXP-HOME BLT	05691JB	EXP-HOME BLT	1130459	EXP-HOME BLT	11304E3	EXP-HOME BLT	11307G2	EXP-HOME BLT	1130841
EXP-HOME BLT	05691JC	EXP-HOME BLT	1130462	EXP-HOME BLT	11304E6	EXP-HOME BLT	11307G3	EXP-HOME BLT	1130843
EXP-HOME BLT	05691JK	EXP-HOME BLT	1130464	EXP-HOME BLT	11304E7	EXP-HOME BLT	11307G5	EXP-HOME BLT	1130845
EXP-HOME BLT	05691JM	EXP-HOME BLT	1130465	EXP-HOME BLT	11304F1	EXP-HOME BLT	11307G6	EXP-HOME BLT	1130854
EXP-HOME BLT	05691JP	EXP-HOME BLT	1130470	EXP-HOME BLT	11304G2	EXP-HOME BLT	11307G7	EXP-HOME BLT	1130856
EXP-HOME BLT	05691JT	EXP-HOME BLT	1130471	EXP-HOME BLT	11304G7	EXP-HOME BLT	11307G9	EXP-HOME BLT	1130859
EXP-HOME BLT	05691JV	EXP-HOME BLT	1130472	EXP-HOME BLT	11304H3	EXP-HOME BLT	11307H4	EXP-HOME BLT	1130863
EXP-HOME BLT	0570104	EXP-HOME BLT	1130476	EXP-HOME BLT	11304H4	EXP-HOME BLT	11307H8	EXP-HOME BLT	1130865
EXP-HOME BLT	0570892	EXP-HOME BLT	1130478	EXP-HOME BLT	11304H5	EXP-HOME BLT	11307J2	EXP-HOME BLT	1130866
EXP-HOME BLT	0650107	EXP-HOME BLT	1130479	EXP-HOME BLT	1130511	EXP-HOME BLT	11307J3	EXP-HOME BLT	1130869
EXP-HOME BLT	0760764	EXP-HOME BLT	1130480	EXP-HOME BLT	1130512	EXP-HOME BLT	11307J4	EXP-HOME BLT	1300115

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	1300118	EXP-HOME BLT	130016E	EXP-HOME BLT	1300715	EXP-HOME BLT	13007GV	EXP-HOME BLT	13007XP		
EXP-HOME BLT	130011F	EXP-HOME BLT	130016F	EXP-HOME BLT	1300721	EXP-HOME BLT	13007GX	EXP-HOME BLT	13007Y3		
EXP-HOME BLT	130011G	EXP-HOME BLT	130016H	EXP-HOME BLT	130072R	EXP-HOME BLT	13007H7	EXP-HOME BLT	13007YK		
EXP-HOME BLT	130011P	EXP-HOME BLT	130016M	EXP-HOME BLT	130072Z	EXP-HOME BLT	13007H8	EXP-HOME BLT	13007Z3		
EXP-HOME BLT	130011X	EXP-HOME BLT	130016Q	EXP-HOME BLT	130073E	EXP-HOME BLT	13007HD	EXP-HOME BLT	13007ZY		
EXP-HOME BLT	130011Z	EXP-HOME BLT	130016U	EXP-HOME BLT	130073P	EXP-HOME BLT	13007HM	EXP-HOME BLT	1300808		
EXP-HOME BLT	130012B	EXP-HOME BLT	130016X	EXP-HOME BLT	1300740	EXP-HOME BLT	13007HU	EXP-HOME BLT	1300812		
EXP-HOME BLT	130012F	EXP-HOME BLT	130016Z	EXP-HOME BLT	1300744	EXP-HOME BLT	13007JA	EXP-HOME BLT	1300818		
EXP-HOME BLT	130012V	EXP-HOME BLT	1300172	EXP-HOME BLT	1300746	EXP-HOME BLT	13007JC	EXP-HOME BLT	1300819		
EXP-HOME BLT	130012V	EXP-HOME BLT	1300175	EXP-HOME BLT	130074E	EXP-HOME BLT	13007JE	EXP-HOME BLT	1300820		
EXP-HOME BLT	130012X	EXP-HOME BLT	130017C	EXP-HOME BLT	130074P	EXP-HOME BLT	13007JF	EXP-HOME BLT	1300836		
EXP-HOME BLT	1300131	EXP-HOME BLT	130017D	EXP-HOME BLT	130075S	EXP-HOME BLT	13007JH	EXP-HOME BLT	1300837		
EXP-HOME BLT	1300133	EXP-HOME BLT	130017F	EXP-HOME BLT	1300762	EXP-HOME BLT	13007KC	EXP-HOME BLT	1300843		
EXP-HOME BLT	130013A	EXP-HOME BLT	130017G	EXP-HOME BLT	1300767	EXP-HOME BLT	13007LD	EXP-HOME BLT	1300845		
EXP-HOME BLT	130013B	EXP-HOME BLT	130017H	EXP-HOME BLT	130076A	EXP-HOME BLT	13007LE	EXP-HOME BLT	1300849		
EXP-HOME BLT	130013R	EXP-HOME BLT	130017K	EXP-HOME BLT	130076Q	EXP-HOME BLT	13007LP	EXP-HOME BLT	1300861		
EXP-HOME BLT	130013V	EXP-HOME BLT	130017N	EXP-HOME BLT	130077G	EXP-HOME BLT	13007LR	EXP-HOME BLT	1300868		
EXP-HOME BLT	130013Y	EXP-HOME BLT	130017Q	EXP-HOME BLT	130077J	EXP-HOME BLT	13007N5	EXP-HOME BLT	1300876		
EXP-HOME BLT	1300141	EXP-HOME BLT	130017R	EXP-HOME BLT	130077T	EXP-HOME BLT	13007PX	EXP-HOME BLT	1300877		
EXP-HOME BLT	1300146	EXP-HOME BLT	130017V	EXP-HOME BLT	130079G	EXP-HOME BLT	13007Q3	EXP-HOME BLT	1300879		
EXP-HOME BLT	130014B	EXP-HOME BLT	1300185	EXP-HOME BLT	130079Z	EXP-HOME BLT	13007QP	EXP-HOME BLT	1300880		
EXP-HOME BLT	130014D	EXP-HOME BLT	1300187	EXP-HOME BLT	13007A3	EXP-HOME BLT	13007R9	EXP-HOME BLT	1300890		
EXP-HOME BLT	130014F	EXP-HOME BLT	130018F	EXP-HOME BLT	13007AE	EXP-HOME BLT	13007RE	EXP-HOME BLT	1300891		
EXP-HOME BLT	130014H	EXP-HOME BLT	130018G	EXP-HOME BLT	13007AU	EXP-HOME BLT	13007RK	EXP-HOME BLT	1300895		
EXP-HOME BLT	130014N	EXP-HOME BLT	1300199	EXP-HOME BLT	13007BA	EXP-HOME BLT	13007S6	EXP-HOME BLT	1300905		
EXP-HOME BLT	130014U	EXP-HOME BLT	13001LG	EXP-HOME BLT	13007BK	EXP-HOME BLT	13007S8	EXP-HOME BLT	1300914		
EXP-HOME BLT	130014W	EXP-HOME BLT	13001LM	EXP-HOME BLT	13007BS	EXP-HOME BLT	13007S8	EXP-HOME BLT	1300954		
EXP-HOME BLT	1300153	EXP-HOME BLT	13001LR	EXP-HOME BLT	13007C4	EXP-HOME BLT	13007SY	EXP-HOME BLT	1300954		
EXP-HOME BLT	1300155	EXP-HOME BLT	1300377	EXP-HOME BLT	13007C8	EXP-HOME BLT	13007T1	EXP-HOME BLT	1300955		
EXP-HOME BLT	130015B	EXP-HOME BLT	1300532	EXP-HOME BLT	13007D2	EXP-HOME BLT	13007TA	EXP-HOME BLT	1300957		
EXP-HOME BLT	130015F	EXP-HOME BLT	13005VH	EXP-HOME BLT	13007D2	EXP-HOME BLT	13007TF	EXP-HOME BLT	1300958		
EXP-HOME BLT	130015G	EXP-HOME BLT	1300606	EXP-HOME BLT	13007D9	EXP-HOME BLT	13007TM	EXP-HOME BLT	1300976		
EXP-HOME BLT	130015J	EXP-HOME BLT	130060J	EXP-HOME BLT	13007DC	EXP-HOME BLT	13007TR	EXP-HOME BLT	1300994		
EXP-HOME BLT	130015K	EXP-HOME BLT	130061Q	EXP-HOME BLT	13007DG	EXP-HOME BLT	13007TW	EXP-HOME BLT	1300996		
EXP-HOME BLT	130015P	EXP-HOME BLT	130067L	EXP-HOME BLT	13007DN	EXP-HOME BLT	13007UL	EXP-HOME BLT	1301005		
EXP-HOME BLT	130015V	EXP-HOME BLT	130068H	EXP-HOME BLT	13007DP	EXP-HOME BLT	13007UL	EXP-HOME BLT	1301019		
EXP-HOME BLT	130015W	EXP-HOME BLT	13006GE	EXP-HOME BLT	13007DT	EXP-HOME BLT	13007UT	EXP-HOME BLT	1301031		
EXP-HOME BLT	130015Z	EXP-HOME BLT	13006LV	EXP-HOME BLT	13007E3	EXP-HOME BLT	13007UY	EXP-HOME BLT	1301039		
EXP-HOME BLT	1300161	EXP-HOME BLT	13006T2	EXP-HOME BLT	13007EY	EXP-HOME BLT	13007VJ	EXP-HOME BLT	1301052		
EXP-HOME BLT	1300166	EXP-HOME BLT	13006WR	EXP-HOME BLT	13007FY	EXP-HOME BLT	13007VJ	EXP-HOME BLT	1301060		
EXP-HOME BLT	1300167	EXP-HOME BLT	13006Z4	EXP-HOME BLT	13007G3	EXP-HOME BLT	13007HG	EXP-HOME BLT	1301066		
EXP-HOME BLT	1300169	EXP-HOME BLT	130070Z	EXP-HOME BLT	13007G6	EXP-HOME BLT	13007HW	EXP-HOME BLT	1301068		
EXP-HOME BLT	130016A	EXP-HOME BLT	1300711	EXP-HOME BLT	13007G6	EXP-HOME BLT	13007HW	EXP-HOME BLT	1301068		
EXP-HOME BLT	130016A	EXP-HOME BLT	1300714	EXP-HOME BLT	13007GH	EXP-HOME BLT	13007HW	EXP-HOME BLT	1301068		

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	1302030	EXP-HOME BLT	13021D5	EXP-HOME BLT	13021L4	EXP-HOME BLT	13021R7	EXP-HOME BLT	1302507		
EXP-HOME BLT	1302033	EXP-HOME BLT	13021D7	EXP-HOME BLT	13021LA	EXP-HOME BLT	13021RB	EXP-HOME BLT	1302510		
EXP-HOME BLT	1302041	EXP-HOME BLT	13021D9	EXP-HOME BLT	13021LE	EXP-HOME BLT	13021RD	EXP-HOME BLT	1302519		
EXP-HOME BLT	1302042	EXP-HOME BLT	13021DG	EXP-HOME BLT	13021LF	EXP-HOME BLT	13021RF	EXP-HOME BLT	1302529		
EXP-HOME BLT	1302043	EXP-HOME BLT	13021DH	EXP-HOME BLT	13021LG	EXP-HOME BLT	13021RG	EXP-HOME BLT	1302530		
EXP-HOME BLT	1302104	EXP-HOME BLT	13021DJ	EXP-HOME BLT	13021LJ	EXP-HOME BLT	13021RK	EXP-HOME BLT	1302537		
EXP-HOME BLT	1302105	EXP-HOME BLT	13021DP	EXP-HOME BLT	13021LN	EXP-HOME BLT	13021RM	EXP-HOME BLT	1302542		
EXP-HOME BLT	1302116	EXP-HOME BLT	13021DR	EXP-HOME BLT	13021LP	EXP-HOME BLT	13021RQ	EXP-HOME BLT	1302545		
EXP-HOME BLT	1302130	EXP-HOME BLT	13021DV	EXP-HOME BLT	13021LU	EXP-HOME BLT	13021RR	EXP-HOME BLT	1302560		
EXP-HOME BLT	1302134	EXP-HOME BLT	13021DY	EXP-HOME BLT	13021LX	EXP-HOME BLT	13021RY	EXP-HOME BLT	1302561		
EXP-HOME BLT	1302142	EXP-HOME BLT	13021E3	EXP-HOME BLT	13021ME	EXP-HOME BLT	13021S1	EXP-HOME BLT	1302564		
EXP-HOME BLT	1302146	EXP-HOME BLT	13021E8	EXP-HOME BLT	13021MG	EXP-HOME BLT	13021S2	EXP-HOME BLT	1302566		
EXP-HOME BLT	1302150	EXP-HOME BLT	13021EA	EXP-HOME BLT	13021MH	EXP-HOME BLT	13021S8	EXP-HOME BLT	1302567		
EXP-HOME BLT	1302161	EXP-HOME BLT	13021EF	EXP-HOME BLT	13021MT	EXP-HOME BLT	13021SA	EXP-HOME BLT	1302570		
EXP-HOME BLT	1302163	EXP-HOME BLT	13021EH	EXP-HOME BLT	13021MS	EXP-HOME BLT	13021SB	EXP-HOME BLT	13025A1		
EXP-HOME BLT	1302167	EXP-HOME BLT	13021EX	EXP-HOME BLT	13021MX	EXP-HOME BLT	13021SE	EXP-HOME BLT	13025A5		
EXP-HOME BLT	1302171	EXP-HOME BLT	13021F4	EXP-HOME BLT	13021N4	EXP-HOME BLT	13021SH	EXP-HOME BLT	13025AB		
EXP-HOME BLT	1302172	EXP-HOME BLT	13021FR	EXP-HOME BLT	13021N7	EXP-HOME BLT	13021SK	EXP-HOME BLT	13025AF		
EXP-HOME BLT	1302173	EXP-HOME BLT	13021FU	EXP-HOME BLT	13021N7	EXP-HOME BLT	13021T3	EXP-HOME BLT	13025AK		
EXP-HOME BLT	1302174	EXP-HOME BLT	13021G4	EXP-HOME BLT	13021NF	EXP-HOME BLT	13021T7	EXP-HOME BLT	13025AN		
EXP-HOME BLT	1302186	EXP-HOME BLT	13021G6	EXP-HOME BLT	13021NG	EXP-HOME BLT	13021U4	EXP-HOME BLT	13025AU		
EXP-HOME BLT	1302190	EXP-HOME BLT	13021GS	EXP-HOME BLT	13021NG	EXP-HOME BLT	13021U5	EXP-HOME BLT	13025BB		
EXP-HOME BLT	1302194	EXP-HOME BLT	13021H6	EXP-HOME BLT	13021NM	EXP-HOME BLT	13021U8	EXP-HOME BLT	13025BC		
EXP-HOME BLT	1302196	EXP-HOME BLT	13021H8	EXP-HOME BLT	13021NS	EXP-HOME BLT	13021V1	EXP-HOME BLT	13025BH		
EXP-HOME BLT	13021A3	EXP-HOME BLT	13021HA	EXP-HOME BLT	13021NT	EXP-HOME BLT	13021W1	EXP-HOME BLT	13025BL		
EXP-HOME BLT	13021A9	EXP-HOME BLT	13021HB	EXP-HOME BLT	13021NX	EXP-HOME BLT	13021W3	EXP-HOME BLT	13025BP		
EXP-HOME BLT	13021AG	EXP-HOME BLT	13021HD	EXP-HOME BLT	13021P3	EXP-HOME BLT	13021X3	EXP-HOME BLT	13025BV		
EXP-HOME BLT	13021AY	EXP-HOME BLT	13021HE	EXP-HOME BLT	13021P6	EXP-HOME BLT	13021X3	EXP-HOME BLT	13025C4		
EXP-HOME BLT	13021B8	EXP-HOME BLT	13021HV	EXP-HOME BLT	13021P8	EXP-HOME BLT	13021X8	EXP-HOME BLT	13025C5		
EXP-HOME BLT	13021BB	EXP-HOME BLT	13021HW	EXP-HOME BLT	13021PA	EXP-HOME BLT	13021Y7	EXP-HOME BLT	13025CG		
EXP-HOME BLT	13021BH	EXP-HOME BLT	13021J2	EXP-HOME BLT	13021PB	EXP-HOME BLT	13021Z4	EXP-HOME BLT	13025CN		
EXP-HOME BLT	13021BK	EXP-HOME BLT	13021J8	EXP-HOME BLT	13021PE	EXP-HOME BLT	13021Z8	EXP-HOME BLT	13025CU		
EXP-HOME BLT	13021BM	EXP-HOME BLT	13021JF	EXP-HOME BLT	13021PJ	EXP-HOME BLT	13021Z9	EXP-HOME BLT	13025CV		
EXP-HOME BLT	13021BV	EXP-HOME BLT	13021JN	EXP-HOME BLT	13021PN	EXP-HOME BLT	13021ZB	EXP-HOME BLT	13025CX		
EXP-HOME BLT	13021BY	EXP-HOME BLT	13021JP	EXP-HOME BLT	13021PT	EXP-HOME BLT	13021ZD	EXP-HOME BLT	13025DA		
EXP-HOME BLT	13021C2	EXP-HOME BLT	13021JZ	EXP-HOME BLT	13021PY	EXP-HOME BLT	13021ZM	EXP-HOME BLT	13025DB		
EXP-HOME BLT	13021C3	EXP-HOME BLT	13021KB	EXP-HOME BLT	13021Q3	EXP-HOME BLT	13021ZM	EXP-HOME BLT	13025DU		
EXP-HOME BLT	13021C9	EXP-HOME BLT	13021KC	EXP-HOME BLT	13021Q8	EXP-HOME BLT	13021ZV	EXP-HOME BLT	13025DV		
EXP-HOME BLT	13021CD	EXP-HOME BLT	13021KC	EXP-HOME BLT	13021QD	EXP-HOME BLT	13021ZV	EXP-HOME BLT	13025DX		
EXP-HOME BLT	13021CJ	EXP-HOME BLT	13021KG	EXP-HOME BLT	13021QD	EXP-HOME BLT	1302204	EXP-HOME BLT	13025DY		
EXP-HOME BLT	13021CK	EXP-HOME BLT	13021KK	EXP-HOME BLT	13021QM	EXP-HOME BLT	1302303	EXP-HOME BLT	13025E5		
EXP-HOME BLT	13021CL	EXP-HOME BLT	13021KV	EXP-HOME BLT	13021QU	EXP-HOME BLT	1302404	EXP-HOME BLT	13025E9		
		EXP-HOME BLT	13021KY	EXP-HOME BLT	13021QV	EXP-HOME BLT	1302412	EXP-HOME BLT	13025EF		
		EXP-HOME BLT	13021KY	EXP-HOME BLT	13021QZ	EXP-HOME BLT	1302506	EXP-HOME BLT			

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	13025EP	EXP-HOME BLT	13025M6	EXP-HOME BLT	13027C2	EXP-HOME BLT	13027HB	EXP-HOME BLT	1410153		
EXP-HOME BLT	13025F6	EXP-HOME BLT	13025M8	EXP-HOME BLT	13027C5	EXP-HOME BLT	1302805	EXP-HOME BLT	1410154		
EXP-HOME BLT	13025FM	EXP-HOME BLT	13025X1	EXP-HOME BLT	13027E4	EXP-HOME BLT	1302914	EXP-HOME BLT	1410155		
EXP-HOME BLT	13025FK	EXP-HOME BLT	13025X3	EXP-HOME BLT	13027E8	EXP-HOME BLT	13044410	EXP-HOME BLT	1410162		
EXP-HOME BLT	13025FS	EXP-HOME BLT	13025X8	EXP-HOME BLT	13027E9	EXP-HOME BLT	13044413	EXP-HOME BLT	1410163		
EXP-HOME BLT	13025FV	EXP-HOME BLT	13025Y1	EXP-HOME BLT	13027FA	EXP-HOME BLT	1410101	EXP-HOME BLT	1410164		
EXP-HOME BLT	13025G3	EXP-HOME BLT	13025Y6	EXP-HOME BLT	13027FC	EXP-HOME BLT	1410102	EXP-HOME BLT	1410165		
EXP-HOME BLT	13025G4	EXP-HOME BLT	13025Z2	EXP-HOME BLT	13027FR	EXP-HOME BLT	1410103	EXP-HOME BLT	1410167		
EXP-HOME BLT	13025G6	EXP-HOME BLT	13025Z7	EXP-HOME BLT	13027FT	EXP-HOME BLT	1410104	EXP-HOME BLT	1410170		
EXP-HOME BLT	13025G0	EXP-HOME BLT	13025Z8	EXP-HOME BLT	13027FU	EXP-HOME BLT	1410106	EXP-HOME BLT	1410171		
EXP-HOME BLT	13025GM	EXP-HOME BLT	1302604	EXP-HOME BLT	13027FZ	EXP-HOME BLT	1410107	EXP-HOME BLT	1410172		
EXP-HOME BLT	13025GQ	EXP-HOME BLT	1302605	EXP-HOME BLT	13027GJ	EXP-HOME BLT	1410108	EXP-HOME BLT	1410174		
EXP-HOME BLT	13025GJ	EXP-HOME BLT	1302609	EXP-HOME BLT	13027GK	EXP-HOME BLT	1410111	EXP-HOME BLT	1410175		
EXP-HOME BLT	13025GV	EXP-HOME BLT	1302610	EXP-HOME BLT	13027GS	EXP-HOME BLT	1410112	EXP-HOME BLT	1410178		
EXP-HOME BLT	13025GZ	EXP-HOME BLT	1302611	EXP-HOME BLT	13027GT	EXP-HOME BLT	1410114	EXP-HOME BLT	1410180		
EXP-HOME BLT	13025H5	EXP-HOME BLT	1302613	EXP-HOME BLT	13027GU	EXP-HOME BLT	1410115	EXP-HOME BLT	1410183		
EXP-HOME BLT	13025J1	EXP-HOME BLT	1302614	EXP-HOME BLT	13027GX	EXP-HOME BLT	1410116	EXP-HOME BLT	1410184		
EXP-HOME BLT	13025J3	EXP-HOME BLT	1302615	EXP-HOME BLT	13027GY	EXP-HOME BLT	1410117	EXP-HOME BLT	1410186		
EXP-HOME BLT	13025J8	EXP-HOME BLT	1302619	EXP-HOME BLT	13027HA	EXP-HOME BLT	1410119	EXP-HOME BLT	1410188		
EXP-HOME BLT	13025K5	EXP-HOME BLT	1302630	EXP-HOME BLT	13027HB	EXP-HOME BLT	1410120	EXP-HOME BLT	1410191		
EXP-HOME BLT	13025L3	EXP-HOME BLT	1302636	EXP-HOME BLT	13027HD	EXP-HOME BLT	1410121	EXP-HOME BLT	1410192		
EXP-HOME BLT	13025L8	EXP-HOME BLT	1302713	EXP-HOME BLT	13027HG	EXP-HOME BLT	1410122	EXP-HOME BLT	1410195		
EXP-HOME BLT	13025M3	EXP-HOME BLT	1302716	EXP-HOME BLT	13027HJ	EXP-HOME BLT	1410123	EXP-HOME BLT	14101A1		
EXP-HOME BLT	13025N6	EXP-HOME BLT	1302724	EXP-HOME BLT	13027HL	EXP-HOME BLT	1410124	EXP-HOME BLT	14101A4		
EXP-HOME BLT	13025N8	EXP-HOME BLT	1302736	EXP-HOME BLT	13027HM	EXP-HOME BLT	1410125	EXP-HOME BLT	14101A5		
EXP-HOME BLT	13025N9	EXP-HOME BLT	1302739	EXP-HOME BLT	13027HN	EXP-HOME BLT	1410128	EXP-HOME BLT	14101B3		
EXP-HOME BLT	13025P1	EXP-HOME BLT	1302745	EXP-HOME BLT	13027HR	EXP-HOME BLT	1410129	EXP-HOME BLT	14101B5		
EXP-HOME BLT	13025P5	EXP-HOME BLT	1302752	EXP-HOME BLT	13027HS	EXP-HOME BLT	1410130	EXP-HOME BLT	14101B8		
EXP-HOME BLT	13025P7	EXP-HOME BLT	1302754	EXP-HOME BLT	13027HY	EXP-HOME BLT	1410131	EXP-HOME BLT	14101C2		
EXP-HOME BLT	13025P9	EXP-HOME BLT	1302757	EXP-HOME BLT	13027JD	EXP-HOME BLT	1410133	EXP-HOME BLT	14101C3		
EXP-HOME BLT	13025Q3	EXP-HOME BLT	1302767	EXP-HOME BLT	13027JS	EXP-HOME BLT	1410134	EXP-HOME BLT	14101C5		
EXP-HOME BLT	13025R2	EXP-HOME BLT	1302768	EXP-HOME BLT	13027JX	EXP-HOME BLT	1410136	EXP-HOME BLT	14101C6		
EXP-HOME BLT	13025R8	EXP-HOME BLT	1302770	EXP-HOME BLT	13027KD	EXP-HOME BLT	1410137	EXP-HOME BLT	14101C8		
EXP-HOME BLT	13025T8	EXP-HOME BLT	1302779	EXP-HOME BLT	13027KG	EXP-HOME BLT	1410138	EXP-HOME BLT	14101D1		
EXP-HOME BLT	13025U3	EXP-HOME BLT	1302781	EXP-HOME BLT	13027KH	EXP-HOME BLT	1410139	EXP-HOME BLT	14101D2		
EXP-HOME BLT	13025U5	EXP-HOME BLT	1302782	EXP-HOME BLT	13027KL	EXP-HOME BLT	1410140	EXP-HOME BLT	14101D8		
EXP-HOME BLT	13025U6	EXP-HOME BLT	1302783	EXP-HOME BLT	13027KN	EXP-HOME BLT	1410141	EXP-HOME BLT	14101D9		
EXP-HOME BLT	13025U7	EXP-HOME BLT	1302787	EXP-HOME BLT	13027KU	EXP-HOME BLT	1410144	EXP-HOME BLT	14101E2		
EXP-HOME BLT	13025U9	EXP-HOME BLT	1302790	EXP-HOME BLT	13027KV	EXP-HOME BLT	1410146	EXP-HOME BLT	14101E3		
EXP-HOME BLT	13025V3	EXP-HOME BLT	13027A5	EXP-HOME BLT	13027KZ	EXP-HOME BLT	1410147	EXP-HOME BLT	14101E6		
EXP-HOME BLT	13025V4	EXP-HOME BLT	13027A8	EXP-HOME BLT	13027LC	EXP-HOME BLT	1410148	EXP-HOME BLT	14101E8		
EXP-HOME BLT	13025V5	EXP-HOME BLT	13027B3	EXP-HOME BLT	13027LU	EXP-HOME BLT	1410149	EXP-HOME BLT	14101E9		
EXP-HOME BLT	13025V3	EXP-HOME BLT	13027B4	EXP-HOME BLT	13027LX	EXP-HOME BLT	1410150	EXP-HOME BLT	14101F2		

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	14101F4	EXP-HOME BLT	14121LQ	EXP-HOME BLT	1590601	EXP-HOME BLT	1690343	EXP-HOME BLT	1690443		
EXP-HOME BLT	14101F5	EXP-HOME BLT	14121LR	EXP-HOME BLT	1590604	EXP-HOME BLT	1690344	EXP-HOME BLT	1690449		
EXP-HOME BLT	14101F6	EXP-HOME BLT	14121LT	EXP-HOME BLT	1590605	EXP-HOME BLT	1690349	EXP-HOME BLT	1690450		
EXP-HOME BLT	14101F8	EXP-HOME BLT	14121MA	EXP-HOME BLT	16901BA	EXP-HOME BLT	1690356	EXP-HOME BLT	1690451		
EXP-HOME BLT	14101F9	EXP-HOME BLT	14121MB	EXP-HOME BLT	16901BC	EXP-HOME BLT	1690360	EXP-HOME BLT	1690452		
EXP-HOME BLT	14101G1	EXP-HOME BLT	14121MJ	EXP-HOME BLT	16901CC	EXP-HOME BLT	1690361	EXP-HOME BLT	1690457		
EXP-HOME BLT	14101G3	EXP-HOME BLT	14121MK	EXP-HOME BLT	16901CE	EXP-HOME BLT	1690362	EXP-HOME BLT	1690459		
EXP-HOME BLT	14101G4	EXP-HOME BLT	14121MM	EXP-HOME BLT	16901CH	EXP-HOME BLT	1690363	EXP-HOME BLT	1690461		
EXP-HOME BLT	14101G7	EXP-HOME BLT	14121MQ	EXP-HOME BLT	16901CJ	EXP-HOME BLT	1690364	EXP-HOME BLT	1690462		
EXP-HOME BLT	14101H1	EXP-HOME BLT	14121MR	EXP-HOME BLT	16901CK	EXP-HOME BLT	1690365	EXP-HOME BLT	1690463		
EXP-HOME BLT	14101H2	EXP-HOME BLT	14121MS	EXP-HOME BLT	16901CP	EXP-HOME BLT	1690370	EXP-HOME BLT	1690466		
EXP-HOME BLT	1410201	EXP-HOME BLT	14121QF	EXP-HOME BLT	16901CQ	EXP-HOME BLT	1690371	EXP-HOME BLT	1690470		
EXP-HOME BLT	1412101	EXP-HOME BLT	14121TP	EXP-HOME BLT	16901CR	EXP-HOME BLT	1690373	EXP-HOME BLT	1690473		
EXP-HOME BLT	141210C	EXP-HOME BLT	14121UB	EXP-HOME BLT	16901DH	EXP-HOME BLT	1690374	EXP-HOME BLT	1690477		
EXP-HOME BLT	141210E	EXP-HOME BLT	14121UF	EXP-HOME BLT	16901HA	EXP-HOME BLT	1690375	EXP-HOME BLT	1690479		
EXP-HOME BLT	141210G	EXP-HOME BLT	14121UG	EXP-HOME BLT	16901KB	EXP-HOME BLT	1690376	EXP-HOME BLT	1690482		
EXP-HOME BLT	141210J	EXP-HOME BLT	14121UH	EXP-HOME BLT	16901QR	EXP-HOME BLT	1690377	EXP-HOME BLT	1690483		
EXP-HOME BLT	141210N	EXP-HOME BLT	14121UK	EXP-HOME BLT	16901QS	EXP-HOME BLT	1690378	EXP-HOME BLT	1690485		
EXP-HOME BLT	141210P	EXP-HOME BLT	14121UL	EXP-HOME BLT	16901QT	EXP-HOME BLT	1690379	EXP-HOME BLT	1690501		
EXP-HOME BLT	1412116	EXP-HOME BLT	14121UM	EXP-HOME BLT	16901RA	EXP-HOME BLT	1690380	EXP-HOME BLT	1690504		
EXP-HOME BLT	1412123	EXP-HOME BLT	14121UN	EXP-HOME BLT	16901RF	EXP-HOME BLT	1690382	EXP-HOME BLT	1690506		
EXP-HOME BLT	1412124	EXP-HOME BLT	14121X7	EXP-HOME BLT	16901T6	EXP-HOME BLT	1690385	EXP-HOME BLT	1690508		
EXP-HOME BLT	1412128	EXP-HOME BLT	14121ZA	EXP-HOME BLT	16901T7	EXP-HOME BLT	1690388	EXP-HOME BLT	1690509		
EXP-HOME BLT	141212A	EXP-HOME BLT	1590115	EXP-HOME BLT	16901T9	EXP-HOME BLT	1690391	EXP-HOME BLT	1690512		
EXP-HOME BLT	1412130	EXP-HOME BLT	1590134	EXP-HOME BLT	16901TA	EXP-HOME BLT	1690393	EXP-HOME BLT	1690517		
EXP-HOME BLT	1412131	EXP-HOME BLT	1590202	EXP-HOME BLT	16901U0	EXP-HOME BLT	1690395	EXP-HOME BLT	1690518		
EXP-HOME BLT	1412132	EXP-HOME BLT	1590205	EXP-HOME BLT	16901V3	EXP-HOME BLT	1690401	EXP-HOME BLT	1690521		
EXP-HOME BLT	1412139	EXP-HOME BLT	1590313	EXP-HOME BLT	16901VB	EXP-HOME BLT	1690410	EXP-HOME BLT	1690601		
EXP-HOME BLT	14121B9	EXP-HOME BLT	1590350	EXP-HOME BLT	16901VK	EXP-HOME BLT	1690411	EXP-HOME BLT	1690605		
EXP-HOME BLT	14121J5	EXP-HOME BLT	1590352	EXP-HOME BLT	16901VL	EXP-HOME BLT	1690413	EXP-HOME BLT	1690606		
EXP-HOME BLT	14121J6	EXP-HOME BLT	1590358	EXP-HOME BLT	1690302	EXP-HOME BLT	1690420	EXP-HOME BLT	1690606		
EXP-HOME BLT	14121KF	EXP-HOME BLT	1590362	EXP-HOME BLT	1690304	EXP-HOME BLT	1690422	EXP-HOME BLT	1690608		
EXP-HOME BLT	14121LB	EXP-HOME BLT	1590413	EXP-HOME BLT	1690305	EXP-HOME BLT	1690424	EXP-HOME BLT	1690609		
EXP-HOME BLT	14121LC	EXP-HOME BLT	1590416	EXP-HOME BLT	1690308	EXP-HOME BLT	1690426	EXP-HOME BLT	1690611		
EXP-HOME BLT	14121LD	EXP-HOME BLT	1590503	EXP-HOME BLT	1690314	EXP-HOME BLT	1690427	EXP-HOME BLT	1690612		
EXP-HOME BLT	14121LE	EXP-HOME BLT	1590506	EXP-HOME BLT	1690315	EXP-HOME BLT	1690430	EXP-HOME BLT	1690613		
EXP-HOME BLT	14121LF	EXP-HOME BLT	1590507	EXP-HOME BLT	1690320	EXP-HOME BLT	1690431	EXP-HOME BLT	1690614		
EXP-HOME BLT	14121LG	EXP-HOME BLT	1590509	EXP-HOME BLT	1690324	EXP-HOME BLT	1690432	EXP-HOME BLT	1690615		
EXP-HOME BLT	14121LH	EXP-HOME BLT	1590513	EXP-HOME BLT	1690325	EXP-HOME BLT	1690433	EXP-HOME BLT	1690616		
EXP-HOME BLT	14121LL	EXP-HOME BLT	1590515	EXP-HOME BLT	1690326	EXP-HOME BLT	1690436	EXP-HOME BLT	1690619		
EXP-HOME BLT	14121LM	EXP-HOME BLT	1590516	EXP-HOME BLT	1690328	EXP-HOME BLT	1690437	EXP-HOME BLT	1690621		
EXP-HOME BLT	14121LN	EXP-HOME BLT	1590517	EXP-HOME BLT	1690332	EXP-HOME BLT	1690440	EXP-HOME BLT	1690622		
EXP-HOME BLT	14121LP	EXP-HOME BLT	1590518	EXP-HOME BLT	1690338	EXP-HOME BLT	1690442	EXP-HOME BLT	1690626		

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	1690629	EXP-HOME BLT	1970311	EXP-HOME BLT	197041A	EXP-HOME BLT	33601G2	EXP-HOME BLT	33601G2
EXP-HOME BLT	1690632	EXP-HOME BLT	1970312	EXP-HOME BLT	197041Z	EXP-HOME BLT	33601GE	EXP-HOME BLT	33601GE
EXP-HOME BLT	1690637	EXP-HOME BLT	1970314	EXP-HOME BLT	19704NA	EXP-HOME BLT	33601GR	EXP-HOME BLT	33601GR
EXP-HOME BLT	1690638	EXP-HOME BLT	1970315	EXP-HOME BLT	19704NH	EXP-HOME BLT	33601HO	EXP-HOME BLT	33601HO
EXP-HOME BLT	1690639	EXP-HOME BLT	1970316	EXP-HOME BLT	197049	EXP-HOME BLT	33601H1	EXP-HOME BLT	33601H1
EXP-HOME BLT	1690640	EXP-HOME BLT	1970318	EXP-HOME BLT	1970504	EXP-HOME BLT	33601H3	EXP-HOME BLT	33601H3
EXP-HOME BLT	1690642	EXP-HOME BLT	1970319	EXP-HOME BLT	1970506	EXP-HOME BLT	33601H8	EXP-HOME BLT	33601H8
EXP-HOME BLT	1690644	EXP-HOME BLT	1970320	EXP-HOME BLT	1970507	EXP-HOME BLT	33601H9	EXP-HOME BLT	33601H9
EXP-HOME BLT	1690645	EXP-HOME BLT	1970321	EXP-HOME BLT	1970510	EXP-HOME BLT	33601HB	EXP-HOME BLT	33601HB
EXP-HOME BLT	1690647	EXP-HOME BLT	1970322	EXP-HOME BLT	1970511	EXP-HOME BLT	33601HB	EXP-HOME BLT	33601HB
EXP-HOME BLT	1690649	EXP-HOME BLT	1970326	EXP-HOME BLT	1970515	EXP-HOME BLT	33601HX	EXP-HOME BLT	33601HX
EXP-HOME BLT	1690650	EXP-HOME BLT	1970327	EXP-HOME BLT	1970820	EXP-HOME BLT	33601HY	EXP-HOME BLT	33601HY
EXP-HOME BLT	1690653	EXP-HOME BLT	1970331	EXP-HOME BLT	1970822	EXP-HOME BLT	33601HZ	EXP-HOME BLT	33601HZ
EXP-HOME BLT	1690654	EXP-HOME BLT	1970336	EXP-HOME BLT	1970823	EXP-HOME BLT	33601J3	EXP-HOME BLT	33601J3
EXP-HOME BLT	1690658	EXP-HOME BLT	1970339	EXP-HOME BLT	1970828	EXP-HOME BLT	33601J4	EXP-HOME BLT	33601J4
EXP-HOME BLT	1690660	EXP-HOME BLT	1970340	EXP-HOME BLT	1970829	EXP-HOME BLT	33601J5	EXP-HOME BLT	33601J5
EXP-HOME BLT	1690661	EXP-HOME BLT	1970344	EXP-HOME BLT	1970831	EXP-HOME BLT	33601J7	EXP-HOME BLT	33601J7
EXP-HOME BLT	1690662	EXP-HOME BLT	1970349	EXP-HOME BLT	1970830	EXP-HOME BLT	33601JD	EXP-HOME BLT	33601JD
EXP-HOME BLT	1690663	EXP-HOME BLT	1970350	EXP-HOME BLT	1970832	EXP-HOME BLT	33601JG	EXP-HOME BLT	33601JG
EXP-HOME BLT	1690664	EXP-HOME BLT	1970352	EXP-HOME BLT	1970833	EXP-HOME BLT	33601JJ	EXP-HOME BLT	33601JJ
EXP-HOME BLT	1690665	EXP-HOME BLT	1970354	EXP-HOME BLT	1970834	EXP-HOME BLT	33601JK	EXP-HOME BLT	33601JK
EXP-HOME BLT	1690666	EXP-HOME BLT	1970356	EXP-HOME BLT	1970837	EXP-HOME BLT	33601JM	EXP-HOME BLT	33601JM
EXP-HOME BLT	1690667	EXP-HOME BLT	1970361	EXP-HOME BLT	1970892	EXP-HOME BLT	33601JX	EXP-HOME BLT	33601JX
EXP-HOME BLT	1690668	EXP-HOME BLT	1970362	EXP-HOME BLT	2800902	EXP-HOME BLT	33601JX	EXP-HOME BLT	33601K9
EXP-HOME BLT	1690671	EXP-HOME BLT	1970362	EXP-HOME BLT	2850302	EXP-HOME BLT	33601K9	EXP-HOME BLT	33601K9
EXP-HOME BLT	1690672	EXP-HOME BLT	1970363	EXP-HOME BLT	3180202	EXP-HOME BLT	33601KA	EXP-HOME BLT	33601KA
EXP-HOME BLT	1690674	EXP-HOME BLT	1970364	EXP-HOME BLT	33601A1	EXP-HOME BLT	33601KJ	EXP-HOME BLT	33601KJ
EXP-HOME BLT	1690677	EXP-HOME BLT	1970364	EXP-HOME BLT	33601A8	EXP-HOME BLT	33601KP	EXP-HOME BLT	33601KP
EXP-HOME BLT	1690678	EXP-HOME BLT	1970366	EXP-HOME BLT	33601AA	EXP-HOME BLT	33601LL	EXP-HOME BLT	33601LL
EXP-HOME BLT	1690679	EXP-HOME BLT	1970367	EXP-HOME BLT	33601AH	EXP-HOME BLT	33601LN	EXP-HOME BLT	33601LN
EXP-HOME BLT	1690680	EXP-HOME BLT	1970371	EXP-HOME BLT	33601AN	EXP-HOME BLT	33601MA	EXP-HOME BLT	33601MA
EXP-HOME BLT	1690680	EXP-HOME BLT	1970372	EXP-HOME BLT	33601AR	EXP-HOME BLT	33601MG	EXP-HOME BLT	33601MG
EXP-HOME BLT	1690681	EXP-HOME BLT	1970374	EXP-HOME BLT	33601AT	EXP-HOME BLT	33601MH	EXP-HOME BLT	33601MH
EXP-HOME BLT	1690682	EXP-HOME BLT	1970378	EXP-HOME BLT	33601AY	EXP-HOME BLT	33601MJ	EXP-HOME BLT	33601MJ
EXP-HOME BLT	1690683	EXP-HOME BLT	1970381	EXP-HOME BLT	33601B3	EXP-HOME BLT	33601NA	EXP-HOME BLT	33601NA
EXP-HOME BLT	1690688	EXP-HOME BLT	1970422	EXP-HOME BLT	33601B4	EXP-HOME BLT	33601NB	EXP-HOME BLT	33601NB
EXP-HOME BLT	1690691	EXP-HOME BLT	1970488	EXP-HOME BLT	33601B5	EXP-HOME BLT	33601PB	EXP-HOME BLT	33601PB
EXP-HOME BLT	1690694	EXP-HOME BLT	197048D	EXP-HOME BLT	33601C4	EXP-HOME BLT	33601QM	EXP-HOME BLT	33601QM
EXP-HOME BLT	1690695	EXP-HOME BLT	197048F	EXP-HOME BLT	33601C5	EXP-HOME BLT	33601QN	EXP-HOME BLT	33601QN
EXP-HOME BLT	1690696	EXP-HOME BLT	197048H	EXP-HOME BLT	33601C6	EXP-HOME BLT	33601RA	EXP-HOME BLT	33601RA
EXP-HOME BLT	1690697	EXP-HOME BLT	197048M	EXP-HOME BLT	33601C8	EXP-HOME BLT	33601RB	EXP-HOME BLT	33601RB
EXP-HOME BLT	1690698	EXP-HOME BLT	1970304	EXP-HOME BLT	33601D7	EXP-HOME BLT	33601RC	EXP-HOME BLT	33601RC
EXP-HOME BLT	1690699	EXP-HOME BLT	1970308	EXP-HOME BLT	197046G	EXP-HOME BLT	33601SD	EXP-HOME BLT	33601SD
EXP-HOME BLT	16906A2	EXP-HOME BLT	1970309	EXP-HOME BLT	19704JC	EXP-HOME BLT	33601FK	EXP-HOME BLT	33601FK

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	33601U3	EXP-HOME BLT	3360348	EXP-HOME BLT	3910225	EXP-HOME BLT	39120RK	EXP-HOME BLT	4700214	EXP-HOME BLT	4700214
EXP-HOME BLT	33601UA	EXP-HOME BLT	3360349	EXP-HOME BLT	3910230	EXP-HOME BLT	39120SE	EXP-HOME BLT	4700240	EXP-HOME BLT	4700240
EXP-HOME BLT	33601UW	EXP-HOME BLT	3360353	EXP-HOME BLT	3910231	EXP-HOME BLT	39120TB	EXP-HOME BLT	4700246	EXP-HOME BLT	4700246
EXP-HOME BLT	33601U2	EXP-HOME BLT	3360354	EXP-HOME BLT	3910232	EXP-HOME BLT	39120TC	EXP-HOME BLT	470024M	EXP-HOME BLT	470024M
EXP-HOME BLT	336021B	EXP-HOME BLT	3360357	EXP-HOME BLT	3910233	EXP-HOME BLT	39122AB	EXP-HOME BLT	4700253	EXP-HOME BLT	4700253
EXP-HOME BLT	336021C	EXP-HOME BLT	3360360	EXP-HOME BLT	3910234	EXP-HOME BLT	39122BA	EXP-HOME BLT	4700256	EXP-HOME BLT	4700256
EXP-HOME BLT	336021D	EXP-HOME BLT	3360361	EXP-HOME BLT	3910235	EXP-HOME BLT	39122BB	EXP-HOME BLT	470026J	EXP-HOME BLT	470026J
EXP-HOME BLT	336021F	EXP-HOME BLT	3360362	EXP-HOME BLT	3910236	EXP-HOME BLT	39122BC	EXP-HOME BLT	470027H	EXP-HOME BLT	470027H
EXP-HOME BLT	336021G	EXP-HOME BLT	3360366	EXP-HOME BLT	3910237	EXP-HOME BLT	39122BE	EXP-HOME BLT	4700312	EXP-HOME BLT	4700312
EXP-HOME BLT	336021H	EXP-HOME BLT	3360368	EXP-HOME BLT	3910238	EXP-HOME BLT	391228C	EXP-HOME BLT	4700321	EXP-HOME BLT	4700321
EXP-HOME BLT	336021J	EXP-HOME BLT	3380101	EXP-HOME BLT	3910240	EXP-HOME BLT	4060116	EXP-HOME BLT	4700324	EXP-HOME BLT	4700324
EXP-HOME BLT	336021K	EXP-HOME BLT	3630308	EXP-HOME BLT	3910243	EXP-HOME BLT	406012R	EXP-HOME BLT	4700332	EXP-HOME BLT	4700332
EXP-HOME BLT	336021P	EXP-HOME BLT	3630327	EXP-HOME BLT	3910244	EXP-HOME BLT	4060137	EXP-HOME BLT	4700341	EXP-HOME BLT	4700341
EXP-HOME BLT	336021Q	EXP-HOME BLT	3630328	EXP-HOME BLT	3910245	EXP-HOME BLT	406014T	EXP-HOME BLT	4700342	EXP-HOME BLT	4700342
EXP-HOME BLT	336021R	EXP-HOME BLT	3630333	EXP-HOME BLT	3910246	EXP-HOME BLT	406014Y	EXP-HOME BLT	470035A	EXP-HOME BLT	470035A
EXP-HOME BLT	336021U	EXP-HOME BLT	3630376	EXP-HOME BLT	3910251	EXP-HOME BLT	406015A	EXP-HOME BLT	470035B	EXP-HOME BLT	470035B
EXP-HOME BLT	336021Y	EXP-HOME BLT	3630547	EXP-HOME BLT	3910252	EXP-HOME BLT	406015D	EXP-HOME BLT	4700882	EXP-HOME BLT	4700882
EXP-HOME BLT	336021Z	EXP-HOME BLT	3630577	EXP-HOME BLT	3910255	EXP-HOME BLT	4060193	EXP-HOME BLT	47008C2	EXP-HOME BLT	47008C2
EXP-HOME BLT	3360304	EXP-HOME BLT	3630972	EXP-HOME BLT	3910257	EXP-HOME BLT	40601BR	EXP-HOME BLT	47008MN	EXP-HOME BLT	47008MN
EXP-HOME BLT	3360305	EXP-HOME BLT	3800337	EXP-HOME BLT	3910258	EXP-HOME BLT	40601CG	EXP-HOME BLT	4950102	EXP-HOME BLT	4950102
EXP-HOME BLT	3360306	EXP-HOME BLT	3800478	EXP-HOME BLT	3910259	EXP-HOME BLT	40601DH	EXP-HOME BLT	4970120	EXP-HOME BLT	4970120
EXP-HOME BLT	3360307	EXP-HOME BLT	3801705	EXP-HOME BLT	3910260	EXP-HOME BLT	40601DY	EXP-HOME BLT	4970127	EXP-HOME BLT	4970127
EXP-HOME BLT	3360308	EXP-HOME BLT	3910109	EXP-HOME BLT	3910261	EXP-HOME BLT	40601GW	EXP-HOME BLT	4970135	EXP-HOME BLT	4970135
EXP-HOME BLT	3360311	EXP-HOME BLT	3910111	EXP-HOME BLT	3910263	EXP-HOME BLT	40601HM	EXP-HOME BLT	4970142	EXP-HOME BLT	4970142
EXP-HOME BLT	3360313	EXP-HOME BLT	3910115	EXP-HOME BLT	3910266	EXP-HOME BLT	40601JK	EXP-HOME BLT	497014P	EXP-HOME BLT	497014P
EXP-HOME BLT	3360315	EXP-HOME BLT	3910116	EXP-HOME BLT	3910268	EXP-HOME BLT	40601JN	EXP-HOME BLT	4970150	EXP-HOME BLT	4970150
EXP-HOME BLT	3360316	EXP-HOME BLT	3910118	EXP-HOME BLT	3910269	EXP-HOME BLT	40601K	EXP-HOME BLT	50901FB	EXP-HOME BLT	50901FB
EXP-HOME BLT	3360317	EXP-HOME BLT	3910119	EXP-HOME BLT	3910270	EXP-HOME BLT	40601S6	EXP-HOME BLT	50901U3	EXP-HOME BLT	50901U3
EXP-HOME BLT	3360319	EXP-HOME BLT	3910122	EXP-HOME BLT	3910272	EXP-HOME BLT	40601TX	EXP-HOME BLT	5100101	EXP-HOME BLT	5100101
EXP-HOME BLT	3360320	EXP-HOME BLT	3910123	EXP-HOME BLT	3910276	EXP-HOME BLT	40601U0	EXP-HOME BLT	56401JF	EXP-HOME BLT	56401JF
EXP-HOME BLT	3360321	EXP-HOME BLT	3910125	EXP-HOME BLT	3910277	EXP-HOME BLT	40601UN	EXP-HOME BLT	56401UF	EXP-HOME BLT	56401UF
EXP-HOME BLT	3360323	EXP-HOME BLT	3910126	EXP-HOME BLT	3910279	EXP-HOME BLT	40601UQ	EXP-HOME BLT	57901BR	EXP-HOME BLT	57901BR
EXP-HOME BLT	3360324	EXP-HOME BLT	3910128	EXP-HOME BLT	3910282	EXP-HOME BLT	40601VD	EXP-HOME BLT	57901C9	EXP-HOME BLT	57901C9
EXP-HOME BLT	3360328	EXP-HOME BLT	3910130	EXP-HOME BLT	3910284	EXP-HOME BLT	40601W8	EXP-HOME BLT	57901CK	EXP-HOME BLT	57901CK
EXP-HOME BLT	3360329	EXP-HOME BLT	3910202	EXP-HOME BLT	3910286	EXP-HOME BLT	40601WV	EXP-HOME BLT	57901DX	EXP-HOME BLT	57901DX
EXP-HOME BLT	3360330	EXP-HOME BLT	3910205	EXP-HOME BLT	3910287	EXP-HOME BLT	40601XL	EXP-HOME BLT	57901G4	EXP-HOME BLT	57901G4
EXP-HOME BLT	3360334	EXP-HOME BLT	3910211	EXP-HOME BLT	3910288	EXP-HOME BLT	40601XZ	EXP-HOME BLT	57901H2	EXP-HOME BLT	57901H2
EXP-HOME BLT	3360335	EXP-HOME BLT	3910212	EXP-HOME BLT	3910289	EXP-HOME BLT	4240132	EXP-HOME BLT	57901LK	EXP-HOME BLT	57901LK
EXP-HOME BLT	3360337	EXP-HOME BLT	3910214	EXP-HOME BLT	39120G7	EXP-HOME BLT	4240139	EXP-HOME BLT	57901LQ	EXP-HOME BLT	57901LQ
EXP-HOME BLT	3360338	EXP-HOME BLT	3910217	EXP-HOME BLT	39120HC	EXP-HOME BLT	424018A	EXP-HOME BLT	57901QD	EXP-HOME BLT	57901QD
EXP-HOME BLT	3360341	EXP-HOME BLT	3910218	EXP-HOME BLT	39120K8	EXP-HOME BLT	47000B6	EXP-HOME BLT	57901SF	EXP-HOME BLT	57901SF
EXP-HOME BLT	3360342	EXP-HOME BLT	3910217	EXP-HOME BLT	39120PG	EXP-HOME BLT	47000B7	EXP-HOME BLT	57901SJ	EXP-HOME BLT	57901SJ
EXP-HOME BLT	3360347	EXP-HOME BLT	3910222	EXP-HOME BLT	39120QA	EXP-HOME BLT	4700209	EXP-HOME BLT	57901SK	EXP-HOME BLT	57901SK

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	57901SP	EXP-HOME BLT	6250204	EXP-HOME BLT	7020245	EXP-HOME BLT	70401N2	EXP-HOME BLT	7040269		
EXP-HOME BLT	5870105	EXP-HOME BLT	6250207	EXP-HOME BLT	7020246	EXP-HOME BLT	70401Q7	EXP-HOME BLT	7040271		
EXP-HOME BLT	6250102	EXP-HOME BLT	6250205	EXP-HOME BLT	7020249	EXP-HOME BLT	70401QL	EXP-HOME BLT	7040272		
EXP-HOME BLT	625010J	EXP-HOME BLT	6250208	EXP-HOME BLT	7021801	EXP-HOME BLT	70401QU	EXP-HOME BLT	7040273		
EXP-HOME BLT	625011V	EXP-HOME BLT	6250210	EXP-HOME BLT	70218DK	EXP-HOME BLT	70401RA	EXP-HOME BLT	7040274		
EXP-HOME BLT	625011W	EXP-HOME BLT	6250213	EXP-HOME BLT	70218DL	EXP-HOME BLT	70401RB	EXP-HOME BLT	7040301		
EXP-HOME BLT	6250126	EXP-HOME BLT	6250214	EXP-HOME BLT	70218HB	EXP-HOME BLT	70401RD	EXP-HOME BLT	7040302		
EXP-HOME BLT	625013M	EXP-HOME BLT	6250222	EXP-HOME BLT	70218K6	EXP-HOME BLT	70401RT	EXP-HOME BLT	7040304		
EXP-HOME BLT	625014L	EXP-HOME BLT	6250301	EXP-HOME BLT	70218S0	EXP-HOME BLT	70401RZ	EXP-HOME BLT	7040305		
EXP-HOME BLT	6250165	EXP-HOME BLT	6250303	EXP-HOME BLT	70218SM	EXP-HOME BLT	70401S7	EXP-HOME BLT	7040308		
EXP-HOME BLT	6250168	EXP-HOME BLT	6250306	EXP-HOME BLT	70218SN	EXP-HOME BLT	70401TC	EXP-HOME BLT	7040309		
EXP-HOME BLT	625019C	EXP-HOME BLT	6402324	EXP-HOME BLT	70218SP	EXP-HOME BLT	70401UA	EXP-HOME BLT	7040311		
EXP-HOME BLT	62501A0	EXP-HOME BLT	6450202	EXP-HOME BLT	70218SQ	EXP-HOME BLT	7040202	EXP-HOME BLT	7040312		
EXP-HOME BLT	62501A6	EXP-HOME BLT	6560104	EXP-HOME BLT	70218SF	EXP-HOME BLT	7040203	EXP-HOME BLT	7040314		
EXP-HOME BLT	62501AM	EXP-HOME BLT	7001216	EXP-HOME BLT	70218ZA	EXP-HOME BLT	7040205	EXP-HOME BLT	7040318		
EXP-HOME BLT	62501B1	EXP-HOME BLT	7020201	EXP-HOME BLT	7040102	EXP-HOME BLT	7040206	EXP-HOME BLT	7040319		
EXP-HOME BLT	62501BL	EXP-HOME BLT	7020203	EXP-HOME BLT	7040104	EXP-HOME BLT	7040207	EXP-HOME BLT	704031D		
EXP-HOME BLT	62501CG	EXP-HOME BLT	7020205	EXP-HOME BLT	7040105	EXP-HOME BLT	7040208	EXP-HOME BLT	704031E		
EXP-HOME BLT	62501CP	EXP-HOME BLT	7020209	EXP-HOME BLT	7040106	EXP-HOME BLT	7040212	EXP-HOME BLT	704031F		
EXP-HOME BLT	62501D8	EXP-HOME BLT	7020210	EXP-HOME BLT	7040107	EXP-HOME BLT	7040214	EXP-HOME BLT	704031G		
EXP-HOME BLT	62501DT	EXP-HOME BLT	7020211	EXP-HOME BLT	7040108	EXP-HOME BLT	7040215	EXP-HOME BLT	704031H		
EXP-HOME BLT	62501G5	EXP-HOME BLT	7020212	EXP-HOME BLT	7040109	EXP-HOME BLT	7040216	EXP-HOME BLT	704031K		
EXP-HOME BLT	62501G8	EXP-HOME BLT	7020213	EXP-HOME BLT	7040111	EXP-HOME BLT	7040217	EXP-HOME BLT	704031L		
EXP-HOME BLT	62501GE	EXP-HOME BLT	7020214	EXP-HOME BLT	7040116	EXP-HOME BLT	7040218	EXP-HOME BLT	704031M		
EXP-HOME BLT	62501H7	EXP-HOME BLT	7020219	EXP-HOME BLT	704015V	EXP-HOME BLT	7040223	EXP-HOME BLT	704031N		
EXP-HOME BLT	62501HB	EXP-HOME BLT	7020218	EXP-HOME BLT	7040168	EXP-HOME BLT	7040224	EXP-HOME BLT	704031Q		
EXP-HOME BLT	62501KJ	EXP-HOME BLT	7020220	EXP-HOME BLT	7040169	EXP-HOME BLT	7040227	EXP-HOME BLT	704031S		
EXP-HOME BLT	62501LE	EXP-HOME BLT	7020222	EXP-HOME BLT	7040170	EXP-HOME BLT	7040228	EXP-HOME BLT	704031T		
EXP-HOME BLT	62501MA	EXP-HOME BLT	7020223	EXP-HOME BLT	7040171	EXP-HOME BLT	7040233	EXP-HOME BLT	704031W		
EXP-HOME BLT	62501MR	EXP-HOME BLT	7020224	EXP-HOME BLT	7040173	EXP-HOME BLT	7040234	EXP-HOME BLT	704031Y		
EXP-HOME BLT	62501N2	EXP-HOME BLT	7020225	EXP-HOME BLT	7040174	EXP-HOME BLT	7040235	EXP-HOME BLT	7040321		
EXP-HOME BLT	62501NM	EXP-HOME BLT	7020227	EXP-HOME BLT	7040175	EXP-HOME BLT	7040237	EXP-HOME BLT	7040322		
EXP-HOME BLT	62501PH	EXP-HOME BLT	7020229	EXP-HOME BLT	70401B1	EXP-HOME BLT	7040239	EXP-HOME BLT	7040323		
EXP-HOME BLT	62501QU	EXP-HOME BLT	7020231	EXP-HOME BLT	70401BA	EXP-HOME BLT	7040243	EXP-HOME BLT	7040324		
EXP-HOME BLT	62501RQ	EXP-HOME BLT	7020232	EXP-HOME BLT	70401BM	EXP-HOME BLT	7040247	EXP-HOME BLT	7040326		
EXP-HOME BLT	62501SL	EXP-HOME BLT	7020233	EXP-HOME BLT	70401BP	EXP-HOME BLT	7040252	EXP-HOME BLT	7040327		
EXP-HOME BLT	62501W0	EXP-HOME BLT	7020235	EXP-HOME BLT	70401E2	EXP-HOME BLT	7040253	EXP-HOME BLT	7040328		
EXP-HOME BLT	62501WA	EXP-HOME BLT	7020236	EXP-HOME BLT	70401E2	EXP-HOME BLT	7040259	EXP-HOME BLT	704032A		
EXP-HOME BLT	62501XF	EXP-HOME BLT	7020238	EXP-HOME BLT	70401K6	EXP-HOME BLT	7040260	EXP-HOME BLT	704032B		
EXP-HOME BLT	62501XF	EXP-HOME BLT	7020240	EXP-HOME BLT	70401LT	EXP-HOME BLT	7040262	EXP-HOME BLT	704032C		
EXP-HOME BLT	62501Y7	EXP-HOME BLT	7020241	EXP-HOME BLT	70401M9	EXP-HOME BLT	7040264	EXP-HOME BLT	704032F		
EXP-HOME BLT	62501YS	EXP-HOME BLT	7020242	EXP-HOME BLT	70401MA	EXP-HOME BLT	7040265	EXP-HOME BLT	704032K		
EXP-HOME BLT	6250202	EXP-HOME BLT	7020243	EXP-HOME BLT	70401MJ	EXP-HOME BLT	7040266	EXP-HOME BLT	704032L		

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	704032P	EXP-HOME BLT	704039G	EXP-HOME BLT	7220227	EXP-HOME BLT	7220279	EXP-HOME BLT	7220279	EXP-HOME BLT	72202HM
EXP-HOME BLT	704032Q	EXP-HOME BLT	704039H	EXP-HOME BLT	7220228	EXP-HOME BLT	7220281	EXP-HOME BLT	7220281	EXP-HOME BLT	72202HN
EXP-HOME BLT	704032R	EXP-HOME BLT	704039K	EXP-HOME BLT	7220229	EXP-HOME BLT	7220282	EXP-HOME BLT	7220282	EXP-HOME BLT	72202HP
EXP-HOME BLT	7040330	EXP-HOME BLT	704039N	EXP-HOME BLT	722022A	EXP-HOME BLT	7220284	EXP-HOME BLT	7220284	EXP-HOME BLT	72202HS
EXP-HOME BLT	7040331	EXP-HOME BLT	704039P	EXP-HOME BLT	722022A	EXP-HOME BLT	7220285	EXP-HOME BLT	7220285	EXP-HOME BLT	72202JN
EXP-HOME BLT	7040332	EXP-HOME BLT	704039Q	EXP-HOME BLT	722023A	EXP-HOME BLT	7220286	EXP-HOME BLT	7220286	EXP-HOME BLT	72202K0
EXP-HOME BLT	7040335	EXP-HOME BLT	704039S	EXP-HOME BLT	722023B	EXP-HOME BLT	7220287	EXP-HOME BLT	7220287	EXP-HOME BLT	72202K4
EXP-HOME BLT	7040337	EXP-HOME BLT	704039T	EXP-HOME BLT	722023C	EXP-HOME BLT	7220288	EXP-HOME BLT	7220288	EXP-HOME BLT	72202K6
EXP-HOME BLT	7040340	EXP-HOME BLT	704039U	EXP-HOME BLT	7220240	EXP-HOME BLT	7220290	EXP-HOME BLT	7220290	EXP-HOME BLT	72202K7
EXP-HOME BLT	7040341	EXP-HOME BLT	704039Y	EXP-HOME BLT	7220242	EXP-HOME BLT	7220291	EXP-HOME BLT	7220291	EXP-HOME BLT	72202K8
EXP-HOME BLT	7040343	EXP-HOME BLT	710050C	EXP-HOME BLT	7220244	EXP-HOME BLT	7220292	EXP-HOME BLT	7220292	EXP-HOME BLT	72202KL
EXP-HOME BLT	7040345	EXP-HOME BLT	7100515	EXP-HOME BLT	7220246	EXP-HOME BLT	7220293	EXP-HOME BLT	7220293	EXP-HOME BLT	72202KL
EXP-HOME BLT	7040347	EXP-HOME BLT	7101839	EXP-HOME BLT	7220248	EXP-HOME BLT	7220294	EXP-HOME BLT	7220294	EXP-HOME BLT	72202KQ
EXP-HOME BLT	7040349	EXP-HOME BLT	7104001	EXP-HOME BLT	7220248	EXP-HOME BLT	7220295	EXP-HOME BLT	7220295	EXP-HOME BLT	72202KR
EXP-HOME BLT	7040351	EXP-HOME BLT	7140149	EXP-HOME BLT	7220240	EXP-HOME BLT	7220296	EXP-HOME BLT	7220296	EXP-HOME BLT	72202KS
EXP-HOME BLT	7040352	EXP-HOME BLT	72002CD	EXP-HOME BLT	722024E	EXP-HOME BLT	7220297	EXP-HOME BLT	7220297	EXP-HOME BLT	72202KT
EXP-HOME BLT	7040353	EXP-HOME BLT	72201A1	EXP-HOME BLT	722024G	EXP-HOME BLT	7220298	EXP-HOME BLT	7220298	EXP-HOME BLT	72202KU
EXP-HOME BLT	7040356	EXP-HOME BLT	72201A3	EXP-HOME BLT	722024H	EXP-HOME BLT	7220299	EXP-HOME BLT	7220299	EXP-HOME BLT	72202KY
EXP-HOME BLT	7040357	EXP-HOME BLT	72201A5	EXP-HOME BLT	722024J	EXP-HOME BLT	72202A5	EXP-HOME BLT	72202A5	EXP-HOME BLT	72202KZ
EXP-HOME BLT	7040358	EXP-HOME BLT	72201A6	EXP-HOME BLT	722024L	EXP-HOME BLT	72202AY	EXP-HOME BLT	72202AY	EXP-HOME BLT	72202L3
EXP-HOME BLT	7040359	EXP-HOME BLT	72201A7	EXP-HOME BLT	722024N	EXP-HOME BLT	72202AZ	EXP-HOME BLT	72202AZ	EXP-HOME BLT	72202LK
EXP-HOME BLT	7040360	EXP-HOME BLT	72201A8	EXP-HOME BLT	722024P	EXP-HOME BLT	72202B2	EXP-HOME BLT	72202B2	EXP-HOME BLT	72202LN
EXP-HOME BLT	7040363	EXP-HOME BLT	72201BA	EXP-HOME BLT	722024Q	EXP-HOME BLT	72202B3	EXP-HOME BLT	72202B3	EXP-HOME BLT	72202LP
EXP-HOME BLT	7040364	EXP-HOME BLT	72201C9	EXP-HOME BLT	722024S	EXP-HOME BLT	72202B6	EXP-HOME BLT	72202B6	EXP-HOME BLT	72202LS
EXP-HOME BLT	7040372	EXP-HOME BLT	72201CZ	EXP-HOME BLT	722024V	EXP-HOME BLT	72202B9	EXP-HOME BLT	72202B9	EXP-HOME BLT	72202LV
EXP-HOME BLT	7040373	EXP-HOME BLT	72201FK	EXP-HOME BLT	722024X	EXP-HOME BLT	72202C2	EXP-HOME BLT	72202C2	EXP-HOME BLT	72202LW
EXP-HOME BLT	7040377	EXP-HOME BLT	72201KZ	EXP-HOME BLT	7220250	EXP-HOME BLT	72202C4	EXP-HOME BLT	72202C4	EXP-HOME BLT	72202LY
EXP-HOME BLT	7040379	EXP-HOME BLT	72201LS	EXP-HOME BLT	7220252	EXP-HOME BLT	72202C7	EXP-HOME BLT	72202C7	EXP-HOME BLT	72202LZ
EXP-HOME BLT	7040380	EXP-HOME BLT	72201PH	EXP-HOME BLT	7220253	EXP-HOME BLT	72202C8	EXP-HOME BLT	72202C8	EXP-HOME BLT	72202M2
EXP-HOME BLT	7040382	EXP-HOME BLT	7220205	EXP-HOME BLT	7220256	EXP-HOME BLT	72202C9	EXP-HOME BLT	72202C9	EXP-HOME BLT	72202M4
EXP-HOME BLT	7040385	EXP-HOME BLT	7220206	EXP-HOME BLT	7220257	EXP-HOME BLT	72202CA	EXP-HOME BLT	72202CA	EXP-HOME BLT	72202M5
EXP-HOME BLT	7040388	EXP-HOME BLT	7220208	EXP-HOME BLT	7220258	EXP-HOME BLT	72202CB	EXP-HOME BLT	72202CB	EXP-HOME BLT	72202M7
EXP-HOME BLT	7040390	EXP-HOME BLT	7220209	EXP-HOME BLT	7220259	EXP-HOME BLT	72202CB	EXP-HOME BLT	72202CB	EXP-HOME BLT	72202M8
EXP-HOME BLT	7040392	EXP-HOME BLT	722020A	EXP-HOME BLT	7220261	EXP-HOME BLT	72202DC	EXP-HOME BLT	72202DC	EXP-HOME BLT	72202M9
EXP-HOME BLT	7040393	EXP-HOME BLT	722020B	EXP-HOME BLT	7220262	EXP-HOME BLT	72202DF	EXP-HOME BLT	72202DF	EXP-HOME BLT	72202MA
EXP-HOME BLT	7040394	EXP-HOME BLT	7220212	EXP-HOME BLT	7220269	EXP-HOME BLT	72202DH	EXP-HOME BLT	72202DH	EXP-HOME BLT	72202MH
EXP-HOME BLT	7040395	EXP-HOME BLT	7220213	EXP-HOME BLT	7220270	EXP-HOME BLT	72202DI	EXP-HOME BLT	72202DI	EXP-HOME BLT	72202MM
EXP-HOME BLT	7040397	EXP-HOME BLT	7220215	EXP-HOME BLT	7220272	EXP-HOME BLT	72202EM	EXP-HOME BLT	72202EM	EXP-HOME BLT	72202MN
EXP-HOME BLT	7040399A	EXP-HOME BLT	722021A	EXP-HOME BLT	7220274	EXP-HOME BLT	72202EP	EXP-HOME BLT	72202EP	EXP-HOME BLT	72202MQ
EXP-HOME BLT	7040398	EXP-HOME BLT	722021D	EXP-HOME BLT	7220275	EXP-HOME BLT	72202EY	EXP-HOME BLT	72202EY	EXP-HOME BLT	72202MR
EXP-HOME BLT	7040399C	EXP-HOME BLT	7220220	EXP-HOME BLT	7220276	EXP-HOME BLT	72202GM	EXP-HOME BLT	72202GM	EXP-HOME BLT	72202MX
EXP-HOME BLT	7040399D	EXP-HOME BLT	7220221	EXP-HOME BLT	7220277	EXP-HOME BLT	72202GP	EXP-HOME BLT	72202GP	EXP-HOME BLT	72202NA
EXP-HOME BLT	7040399E	EXP-HOME BLT	7220225	EXP-HOME BLT	7220278	EXP-HOME BLT	72202HK	EXP-HOME BLT	72202HK	EXP-HOME BLT	72202NB

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	722060P	EXP-HOME BLT	7220783	EXP-HOME BLT	7221101	EXP-HOME BLT	7221156	EXP-HOME BLT	7221314
EXP-HOME BLT	7220702	EXP-HOME BLT	7220787	EXP-HOME BLT	7221102	EXP-HOME BLT	7221157	EXP-HOME BLT	7221315
EXP-HOME BLT	7220706	EXP-HOME BLT	7220788	EXP-HOME BLT	7221105	EXP-HOME BLT	7221159	EXP-HOME BLT	7221318
EXP-HOME BLT	7220709	EXP-HOME BLT	7220789	EXP-HOME BLT	7221106	EXP-HOME BLT	7221160	EXP-HOME BLT	7221320
EXP-HOME BLT	7220710	EXP-HOME BLT	7220790	EXP-HOME BLT	7221111	EXP-HOME BLT	7221162	EXP-HOME BLT	7221324
EXP-HOME BLT	7220711	EXP-HOME BLT	7220791	EXP-HOME BLT	7221113	EXP-HOME BLT	7221163	EXP-HOME BLT	7221326
EXP-HOME BLT	7220712	EXP-HOME BLT	7220793	EXP-HOME BLT	7221115	EXP-HOME BLT	7221164	EXP-HOME BLT	7221327
EXP-HOME BLT	7220717	EXP-HOME BLT	7220794	EXP-HOME BLT	7221116	EXP-HOME BLT	7221166	EXP-HOME BLT	7221328
EXP-HOME BLT	7220719	EXP-HOME BLT	7220795	EXP-HOME BLT	7221118	EXP-HOME BLT	7221168	EXP-HOME BLT	7221329
EXP-HOME BLT	7220720	EXP-HOME BLT	72207A1	EXP-HOME BLT	7221119	EXP-HOME BLT	7221169	EXP-HOME BLT	7221401
EXP-HOME BLT	7220721	EXP-HOME BLT	72207A3	EXP-HOME BLT	722111D	EXP-HOME BLT	7221170	EXP-HOME BLT	7221402
EXP-HOME BLT	7220723	EXP-HOME BLT	72207A4	EXP-HOME BLT	722111F	EXP-HOME BLT	7221171	EXP-HOME BLT	7221405
EXP-HOME BLT	7220724	EXP-HOME BLT	72207A7	EXP-HOME BLT	722111J	EXP-HOME BLT	7221173	EXP-HOME BLT	7221406
EXP-HOME BLT	7220726	EXP-HOME BLT	72207A8	EXP-HOME BLT	722111K	EXP-HOME BLT	7221175	EXP-HOME BLT	7221407
EXP-HOME BLT	7220727	EXP-HOME BLT	72207B1	EXP-HOME BLT	722111M	EXP-HOME BLT	7221184	EXP-HOME BLT	7221408
EXP-HOME BLT	7220728	EXP-HOME BLT	72207B3	EXP-HOME BLT	722111P	EXP-HOME BLT	7221189	EXP-HOME BLT	7221409
EXP-HOME BLT	7220731	EXP-HOME BLT	72207B6	EXP-HOME BLT	722111Q	EXP-HOME BLT	7221191	EXP-HOME BLT	7221501
EXP-HOME BLT	7220736	EXP-HOME BLT	7220789	EXP-HOME BLT	722111R	EXP-HOME BLT	7221192	EXP-HOME BLT	72216A6
EXP-HOME BLT	7220738	EXP-HOME BLT	72207C1	EXP-HOME BLT	722111S	EXP-HOME BLT	7221193	EXP-HOME BLT	72216A7
EXP-HOME BLT	7220740	EXP-HOME BLT	72207C3	EXP-HOME BLT	722111X	EXP-HOME BLT	7221195	EXP-HOME BLT	72216A9
EXP-HOME BLT	7220743	EXP-HOME BLT	72207C4	EXP-HOME BLT	722111Z	EXP-HOME BLT	7221199	EXP-HOME BLT	72216B1
EXP-HOME BLT	7220744	EXP-HOME BLT	72207C6	EXP-HOME BLT	7221122	EXP-HOME BLT	7221201	EXP-HOME BLT	72216B2
EXP-HOME BLT	7220745	EXP-HOME BLT	7220805	EXP-HOME BLT	7221125	EXP-HOME BLT	7221202	EXP-HOME BLT	72216B3
EXP-HOME BLT	7220747	EXP-HOME BLT	7221003	EXP-HOME BLT	7221127	EXP-HOME BLT	7221206	EXP-HOME BLT	72217A3
EXP-HOME BLT	7220750	EXP-HOME BLT	7221007	EXP-HOME BLT	7221130	EXP-HOME BLT	7221207	EXP-HOME BLT	72217A4
EXP-HOME BLT	7220757	EXP-HOME BLT	7221008	EXP-HOME BLT	7221132	EXP-HOME BLT	7221212	EXP-HOME BLT	72217A5
EXP-HOME BLT	7220760	EXP-HOME BLT	7221009	EXP-HOME BLT	7221133	EXP-HOME BLT	7221213	EXP-HOME BLT	72217A6
EXP-HOME BLT	7220762	EXP-HOME BLT	7221010	EXP-HOME BLT	7221134	EXP-HOME BLT	7221215	EXP-HOME BLT	72217A7
EXP-HOME BLT	7220763	EXP-HOME BLT	7221011	EXP-HOME BLT	7221135	EXP-HOME BLT	7221216	EXP-HOME BLT	72217A8
EXP-HOME BLT	7220764	EXP-HOME BLT	7221012	EXP-HOME BLT	7221136	EXP-HOME BLT	7221217	EXP-HOME BLT	72217B1
EXP-HOME BLT	7220765	EXP-HOME BLT	7221013	EXP-HOME BLT	7221138	EXP-HOME BLT	7221218	EXP-HOME BLT	72217B5
EXP-HOME BLT	7220766	EXP-HOME BLT	7221016	EXP-HOME BLT	7221139	EXP-HOME BLT	7221222	EXP-HOME BLT	72217B7
EXP-HOME BLT	7220767	EXP-HOME BLT	7221019	EXP-HOME BLT	7221140	EXP-HOME BLT	7221225	EXP-HOME BLT	72217C1
EXP-HOME BLT	7220768	EXP-HOME BLT	7221020	EXP-HOME BLT	7221141	EXP-HOME BLT	7221228	EXP-HOME BLT	72217C2
EXP-HOME BLT	7220769	EXP-HOME BLT	7221021	EXP-HOME BLT	7221142	EXP-HOME BLT	7221230	EXP-HOME BLT	72217C5
EXP-HOME BLT	7220770	EXP-HOME BLT	7221023	EXP-HOME BLT	7221143	EXP-HOME BLT	7221233	EXP-HOME BLT	72217C6
EXP-HOME BLT	7220774	EXP-HOME BLT	7221024	EXP-HOME BLT	7221146	EXP-HOME BLT	7221234	EXP-HOME BLT	7310107
EXP-HOME BLT	7220777	EXP-HOME BLT	7221027	EXP-HOME BLT	7221148	EXP-HOME BLT	7221305	EXP-HOME BLT	7310109
EXP-HOME BLT	7220779	EXP-HOME BLT	7221028	EXP-HOME BLT	7221149	EXP-HOME BLT	7221306	EXP-HOME BLT	7340102
EXP-HOME BLT	7220778	EXP-HOME BLT	7221029	EXP-HOME BLT	7221150	EXP-HOME BLT	7221308	EXP-HOME BLT	7340104
EXP-HOME BLT	7220780	EXP-HOME BLT	7221031	EXP-HOME BLT	7221154	EXP-HOME BLT	7221309	EXP-HOME BLT	7340105
EXP-HOME BLT	7220782	EXP-HOME BLT	7221032	EXP-HOME BLT	7221155	EXP-HOME BLT	7221311	EXP-HOME BLT	7480104

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	7485006	EXP-HOME BLT	835010R	EXP-HOME BLT	83501JH	EXP-HOME BLT	85501YB	EXP-HOME BLT	86501PG
EXP-HOME BLT	7710103	EXP-HOME BLT	835010U	EXP-HOME BLT	83501JK	EXP-HOME BLT	85501YV	EXP-HOME BLT	8650204
EXP-HOME BLT	7900101	EXP-HOME BLT	835011Q	EXP-HOME BLT	83501JT	EXP-HOME BLT	85501YS	EXP-HOME BLT	865020D
EXP-HOME BLT	7900103	EXP-HOME BLT	8350121	EXP-HOME BLT	83501JV	EXP-HOME BLT	85501Z3	EXP-HOME BLT	865020G
EXP-HOME BLT	7900105	EXP-HOME BLT	835012F	EXP-HOME BLT	83501JM	EXP-HOME BLT	85501ZA	EXP-HOME BLT	865020L
EXP-HOME BLT	79001AP	EXP-HOME BLT	835012G	EXP-HOME BLT	83501JX	EXP-HOME BLT	8350202	EXP-HOME BLT	865020M
EXP-HOME BLT	79001AQ	EXP-HOME BLT	835012J	EXP-HOME BLT	83501JY	EXP-HOME BLT	8350205	EXP-HOME BLT	865021K
EXP-HOME BLT	79001AR	EXP-HOME BLT	835012R	EXP-HOME BLT	83501JZ	EXP-HOME BLT	8350206	EXP-HOME BLT	865021V
EXP-HOME BLT	79001AS	EXP-HOME BLT	8350137	EXP-HOME BLT	83501K9	EXP-HOME BLT	8350207	EXP-HOME BLT	865022A
EXP-HOME BLT	79001B1	EXP-HOME BLT	8350143	EXP-HOME BLT	83501KZ	EXP-HOME BLT	8350208	EXP-HOME BLT	865022C
EXP-HOME BLT	79001C0	EXP-HOME BLT	8350165	EXP-HOME BLT	83501L5	EXP-HOME BLT	8350209	EXP-HOME BLT	865022R
EXP-HOME BLT	79001CX	EXP-HOME BLT	835016K	EXP-HOME BLT	83501LD	EXP-HOME BLT	8350210	EXP-HOME BLT	86502B3
EXP-HOME BLT	79001E4	EXP-HOME BLT	8350179	EXP-HOME BLT	83501LK	EXP-HOME BLT	8350212	EXP-HOME BLT	86502BA
EXP-HOME BLT	79001EP	EXP-HOME BLT	835017H	EXP-HOME BLT	83501LV	EXP-HOME BLT	8350214	EXP-HOME BLT	86502BF
EXP-HOME BLT	79001F6	EXP-HOME BLT	835017J	EXP-HOME BLT	83501LW	EXP-HOME BLT	8350215	EXP-HOME BLT	86502BG
EXP-HOME BLT	79001F9	EXP-HOME BLT	8350186	EXP-HOME BLT	83501MF	EXP-HOME BLT	8350216	EXP-HOME BLT	86502BQ
EXP-HOME BLT	79001FG	EXP-HOME BLT	835018B	EXP-HOME BLT	83501MR	EXP-HOME BLT	8350218	EXP-HOME BLT	86502BZ
EXP-HOME BLT	79001FK	EXP-HOME BLT	835018M	EXP-HOME BLT	83501N7	EXP-HOME BLT	8350219	EXP-HOME BLT	86502CB
EXP-HOME BLT	79001FS	EXP-HOME BLT	835018X	EXP-HOME BLT	83501NX	EXP-HOME BLT	8350221	EXP-HOME BLT	86502CC
EXP-HOME BLT	79001FV	EXP-HOME BLT	83501AC	EXP-HOME BLT	83501P3	EXP-HOME BLT	8350225	EXP-HOME BLT	86502CT
EXP-HOME BLT	79001LV	EXP-HOME BLT	83501AU	EXP-HOME BLT	83501PT	EXP-HOME BLT	8350226	EXP-HOME BLT	86502CV
EXP-HOME BLT	79001M6	EXP-HOME BLT	83501AV	EXP-HOME BLT	83501Q4	EXP-HOME BLT	8350228	EXP-HOME BLT	86502CZ
EXP-HOME BLT	79001NB	EXP-HOME BLT	83501C7	EXP-HOME BLT	83501Q9	EXP-HOME BLT	8350229	EXP-HOME BLT	86502D3
EXP-HOME BLT	79001N1	EXP-HOME BLT	83501CB	EXP-HOME BLT	83501QP	EXP-HOME BLT	8350232	EXP-HOME BLT	86502DH
EXP-HOME BLT	79001NR	EXP-HOME BLT	83501C8	EXP-HOME BLT	83501RP	EXP-HOME BLT	8350237	EXP-HOME BLT	86502DT
EXP-HOME BLT	79001NR	EXP-HOME BLT	83501D1	EXP-HOME BLT	83501RV	EXP-HOME BLT	8350239	EXP-HOME BLT	86502EK
EXP-HOME BLT	79001T5	EXP-HOME BLT	83501D4	EXP-HOME BLT	83501RX	EXP-HOME BLT	8350241	EXP-HOME BLT	86502H7
EXP-HOME BLT	79001T7	EXP-HOME BLT	83501D9	EXP-HOME BLT	83501RY	EXP-HOME BLT	8350246	EXP-HOME BLT	86502HA
EXP-HOME BLT	79001TX	EXP-HOME BLT	83501DH	EXP-HOME BLT	83501S1	EXP-HOME BLT	8350247	EXP-HOME BLT	86502HB
EXP-HOME BLT	79001UJ	EXP-HOME BLT	83501DT	EXP-HOME BLT	83501S3	EXP-HOME BLT	8350249	EXP-HOME BLT	86502J2
EXP-HOME BLT	79001V4	EXP-HOME BLT	83501E5	EXP-HOME BLT	83501SF	EXP-HOME BLT	8350250	EXP-HOME BLT	86502J3
EXP-HOME BLT	79001V8	EXP-HOME BLT	83501E9	EXP-HOME BLT	83501SR	EXP-HOME BLT	8350251	EXP-HOME BLT	86502JT
EXP-HOME BLT	79001V8	EXP-HOME BLT	83501ED	EXP-HOME BLT	83501SV	EXP-HOME BLT	8350252	EXP-HOME BLT	86502KD
EXP-HOME BLT	79001V8	EXP-HOME BLT	83501EG	EXP-HOME BLT	83501TB	EXP-HOME BLT	8350254	EXP-HOME BLT	86502KE
EXP-HOME BLT	79001XF	EXP-HOME BLT	83501EQ	EXP-HOME BLT	83501U8	EXP-HOME BLT	8350255	EXP-HOME BLT	86502KF
EXP-HOME BLT	79001YV	EXP-HOME BLT	83501G6	EXP-HOME BLT	83501U8	EXP-HOME BLT	8350256	EXP-HOME BLT	86502KG
EXP-HOME BLT	79001Y2	EXP-HOME BLT	83501G6	EXP-HOME BLT	83501U8	EXP-HOME BLT	8350258	EXP-HOME BLT	86502KL
EXP-HOME BLT	79001Z3	EXP-HOME BLT	83501GF	EXP-HOME BLT	83501V8	EXP-HOME BLT	8350261	EXP-HOME BLT	86502K2
EXP-HOME BLT	79001Z4	EXP-HOME BLT	83501GN	EXP-HOME BLT	83501V8	EXP-HOME BLT	8350264	EXP-HOME BLT	86502L3
EXP-HOME BLT	8050501	EXP-HOME BLT	83501HN	EXP-HOME BLT	83501V8	EXP-HOME BLT	8350265	EXP-HOME BLT	86502L6
EXP-HOME BLT	8050515	EXP-HOME BLT	83501HX	EXP-HOME BLT	83501V8	EXP-HOME BLT	8350265	EXP-HOME BLT	86502L6
EXP-HOME BLT	8070503	EXP-HOME BLT	83501J0	EXP-HOME BLT	83501V8	EXP-HOME BLT	8350265	EXP-HOME BLT	86502L6
EXP-HOME BLT	835010A	EXP-HOME BLT	83501J1	EXP-HOME BLT	83501V8	EXP-HOME BLT	8350265	EXP-HOME BLT	86502L6
EXP-HOME BLT	835010D	EXP-HOME BLT	83501J3	EXP-HOME BLT	83501V8	EXP-HOME BLT	8350265	EXP-HOME BLT	86502L6
EXP-HOME BLT	835010D	EXP-HOME BLT	83501J9	EXP-HOME BLT	83501XJ	EXP-HOME BLT	8350265	EXP-HOME BLT	86502L6

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	86502LZ	EXP-HOME BLT	86504Y7	EXP-HOME BLT	8650912	EXP-HOME BLT	8660104	EXP-HOME BLT	8660192
EXP-HOME BLT	86502M1	EXP-HOME BLT	86504YS	EXP-HOME BLT	8650913	EXP-HOME BLT	8660108	EXP-HOME BLT	8660193
EXP-HOME BLT	86502MF	EXP-HOME BLT	86504Z4	EXP-HOME BLT	8650915	EXP-HOME BLT	8660120	EXP-HOME BLT	8660194
EXP-HOME BLT	86502NB	EXP-HOME BLT	86504ZQ	EXP-HOME BLT	8650917	EXP-HOME BLT	8660121	EXP-HOME BLT	8660196
EXP-HOME BLT	86502NC	EXP-HOME BLT	865052D	EXP-HOME BLT	8650918	EXP-HOME BLT	8660122	EXP-HOME BLT	8660197
EXP-HOME BLT	86502P5	EXP-HOME BLT	86505GG	EXP-HOME BLT	8650913	EXP-HOME BLT	8660126	EXP-HOME BLT	86601AG
EXP-HOME BLT	86502PH	EXP-HOME BLT	86505GH	EXP-HOME BLT	8650914	EXP-HOME BLT	8660128	EXP-HOME BLT	86601AH
EXP-HOME BLT	86502QA	EXP-HOME BLT	86505GL	EXP-HOME BLT	86509LZ	EXP-HOME BLT	8660129	EXP-HOME BLT	86601AK
EXP-HOME BLT	86502QZ	EXP-HOME BLT	86505P7	EXP-HOME BLT	86509NA	EXP-HOME BLT	8660131	EXP-HOME BLT	86601AL
EXP-HOME BLT	86502R5	EXP-HOME BLT	86505SA	EXP-HOME BLT	86509NB	EXP-HOME BLT	8660132	EXP-HOME BLT	86601AN
EXP-HOME BLT	86502S1	EXP-HOME BLT	86505SF	EXP-HOME BLT	86509ND	EXP-HOME BLT	8660135	EXP-HOME BLT	86601AP
EXP-HOME BLT	86502S5	EXP-HOME BLT	86505SJ	EXP-HOME BLT	86509NE	EXP-HOME BLT	8660136	EXP-HOME BLT	86601AQ
EXP-HOME BLT	86502S7	EXP-HOME BLT	86505T1	EXP-HOME BLT	86509NF	EXP-HOME BLT	8660138	EXP-HOME BLT	86601AS
EXP-HOME BLT	86502TB	EXP-HOME BLT	86505TB	EXP-HOME BLT	86509NG	EXP-HOME BLT	8660141	EXP-HOME BLT	86601AT
EXP-HOME BLT	86502U3	EXP-HOME BLT	86505TE	EXP-HOME BLT	86509NH	EXP-HOME BLT	8660143	EXP-HOME BLT	86601HC
EXP-HOME BLT	86502V9	EXP-HOME BLT	86505TH	EXP-HOME BLT	86509NJ	EXP-HOME BLT	8660144	EXP-HOME BLT	86601J4
EXP-HOME BLT	86502VW	EXP-HOME BLT	86505TU	EXP-HOME BLT	86509NK	EXP-HOME BLT	8660148	EXP-HOME BLT	86601JZ
EXP-HOME BLT	86502VY	EXP-HOME BLT	86505UW	EXP-HOME BLT	86509NL	EXP-HOME BLT	8660148	EXP-HOME BLT	86601KC
EXP-HOME BLT	86502W5	EXP-HOME BLT	86505VD	EXP-HOME BLT	86509PC	EXP-HOME BLT	8660153	EXP-HOME BLT	86601KF
EXP-HOME BLT	86502WV	EXP-HOME BLT	86505VW	EXP-HOME BLT	8651010	EXP-HOME BLT	8660157	EXP-HOME BLT	86601KJ
EXP-HOME BLT	86502X4	EXP-HOME BLT	86505VY	EXP-HOME BLT	8651101	EXP-HOME BLT	8660160	EXP-HOME BLT	86601KN
EXP-HOME BLT	86502X6	EXP-HOME BLT	86505VZ	EXP-HOME BLT	8651104	EXP-HOME BLT	8660162	EXP-HOME BLT	86601LA
EXP-HOME BLT	86502Y7	EXP-HOME BLT	8650601	EXP-HOME BLT	8651106	EXP-HOME BLT	8660164	EXP-HOME BLT	86601LB
EXP-HOME BLT	86502ZH	EXP-HOME BLT	8650602	EXP-HOME BLT	8651108	EXP-HOME BLT	8660165	EXP-HOME BLT	86601LC
EXP-HOME BLT	8650423	EXP-HOME BLT	8650606	EXP-HOME BLT	8651109	EXP-HOME BLT	8660166	EXP-HOME BLT	86601LE
EXP-HOME BLT	865042A	EXP-HOME BLT	8650607	EXP-HOME BLT	8651110	EXP-HOME BLT	8660167	EXP-HOME BLT	86601LF
EXP-HOME BLT	8650430	EXP-HOME BLT	8650610	EXP-HOME BLT	8651111	EXP-HOME BLT	8660170	EXP-HOME BLT	86601LG
EXP-HOME BLT	865043T	EXP-HOME BLT	8650612	EXP-HOME BLT	8651202	EXP-HOME BLT	8660173	EXP-HOME BLT	86601LH
EXP-HOME BLT	865045D	EXP-HOME BLT	8650613	EXP-HOME BLT	8651203	EXP-HOME BLT	8660174	EXP-HOME BLT	86601LI
EXP-HOME BLT	865045U	EXP-HOME BLT	8650614	EXP-HOME BLT	8651204	EXP-HOME BLT	8660175	EXP-HOME BLT	86601LJ
EXP-HOME BLT	865048G	EXP-HOME BLT	8650615	EXP-HOME BLT	8651205	EXP-HOME BLT	8660176	EXP-HOME BLT	86601LL
EXP-HOME BLT	865048X	EXP-HOME BLT	8650617	EXP-HOME BLT	8651207	EXP-HOME BLT	8660178	EXP-HOME BLT	86601LM
EXP-HOME BLT	865048Z	EXP-HOME BLT	8650618	EXP-HOME BLT	8651210	EXP-HOME BLT	8660179	EXP-HOME BLT	86601LN
EXP-HOME BLT	86504AA	EXP-HOME BLT	8650803	EXP-HOME BLT	8651211	EXP-HOME BLT	8660181	EXP-HOME BLT	86601LX
EXP-HOME BLT	86504CB	EXP-HOME BLT	8650804	EXP-HOME BLT	8651213	EXP-HOME BLT	8660182	EXP-HOME BLT	86601MO
EXP-HOME BLT	86504H7	EXP-HOME BLT	8650807	EXP-HOME BLT	8651215	EXP-HOME BLT	8660183	EXP-HOME BLT	86601M2
EXP-HOME BLT	86504JA	EXP-HOME BLT	8650905	EXP-HOME BLT	8651218	EXP-HOME BLT	8660184	EXP-HOME BLT	86601M4
EXP-HOME BLT	86504SF	EXP-HOME BLT	8650906	EXP-HOME BLT	8651219	EXP-HOME BLT	8660185	EXP-HOME BLT	86601M5
EXP-HOME BLT	86504TK	EXP-HOME BLT	8650908	EXP-HOME BLT	8651220	EXP-HOME BLT	8660187	EXP-HOME BLT	86601M7
EXP-HOME BLT	86504YX	EXP-HOME BLT	8650909	EXP-HOME BLT	8651221	EXP-HOME BLT	8660189	EXP-HOME BLT	86601M9
EXP-HOME BLT	86504YA	EXP-HOME BLT	8650911	EXP-HOME BLT	86601202	EXP-HOME BLT	8660191	EXP-HOME BLT	86601MH

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	89510L8	EXP-HOME BLT	89510TK	EXP-HOME BLT	95702JP	EXP-HOME BLT	9570365	EXP-HOME BLT	957052P
EXP-HOME BLT	89510M1	EXP-HOME BLT	89510TP	EXP-HOME BLT	95702JT	EXP-HOME BLT	9570401	EXP-HOME BLT	957052R
EXP-HOME BLT	89510M2	EXP-HOME BLT	89510TU	EXP-HOME BLT	95702NR	EXP-HOME BLT	9570402	EXP-HOME BLT	957052S
EXP-HOME BLT	89510M4	EXP-HOME BLT	89510TX	EXP-HOME BLT	95702TM	EXP-HOME BLT	9570404	EXP-HOME BLT	957052T
EXP-HOME BLT	89510M8	EXP-HOME BLT	89510TY	EXP-HOME BLT	95702WC	EXP-HOME BLT	9570408	EXP-HOME BLT	957052X
EXP-HOME BLT	89510M9	EXP-HOME BLT	89510TZ	EXP-HOME BLT	95702WK	EXP-HOME BLT	9570409	EXP-HOME BLT	957052Y
EXP-HOME BLT	89510N1	EXP-HOME BLT	89510U3	EXP-HOME BLT	95702WM	EXP-HOME BLT	9570410	EXP-HOME BLT	957052Z
EXP-HOME BLT	89510N5	EXP-HOME BLT	89510U4	EXP-HOME BLT	95702WV	EXP-HOME BLT	9570411	EXP-HOME BLT	9570531
EXP-HOME BLT	89510N8	EXP-HOME BLT	89510U5	EXP-HOME BLT	95702XD	EXP-HOME BLT	9570413	EXP-HOME BLT	9570538
EXP-HOME BLT	89510N9	EXP-HOME BLT	89510U6	EXP-HOME BLT	95702XJ	EXP-HOME BLT	9570416	EXP-HOME BLT	957053A
EXP-HOME BLT	89510P1	EXP-HOME BLT	89510U7	EXP-HOME BLT	95702XK	EXP-HOME BLT	9570417	EXP-HOME BLT	957053G
EXP-HOME BLT	89510P2	EXP-HOME BLT	89510U8	EXP-HOME BLT	95702XM	EXP-HOME BLT	9570429	EXP-HOME BLT	9570540
EXP-HOME BLT	89510P4	EXP-HOME BLT	89510U8	EXP-HOME BLT	95702XN	EXP-HOME BLT	9570432	EXP-HOME BLT	9570541
EXP-HOME BLT	89510P6	EXP-HOME BLT	89510U8	EXP-HOME BLT	95702XJ	EXP-HOME BLT	9570434	EXP-HOME BLT	9570541
EXP-HOME BLT	89510P8	EXP-HOME BLT	89510UC	EXP-HOME BLT	95702ZT	EXP-HOME BLT	9570434	EXP-HOME BLT	9570542
EXP-HOME BLT	89510P8	EXP-HOME BLT	89510UD	EXP-HOME BLT	9570303	EXP-HOME BLT	9570505	EXP-HOME BLT	9570545
EXP-HOME BLT	89510P9	EXP-HOME BLT	89510U5	EXP-HOME BLT	9570307	EXP-HOME BLT	9570506	EXP-HOME BLT	9570546
EXP-HOME BLT	89510Q2	EXP-HOME BLT	89510U5	EXP-HOME BLT	9570308	EXP-HOME BLT	9570508	EXP-HOME BLT	9570547
EXP-HOME BLT	89510Q3	EXP-HOME BLT	89510U7	EXP-HOME BLT	9570310	EXP-HOME BLT	9570509	EXP-HOME BLT	9570549
EXP-HOME BLT	89510Q4	EXP-HOME BLT	89510V1	EXP-HOME BLT	9570311	EXP-HOME BLT	9570512	EXP-HOME BLT	9570550
EXP-HOME BLT	89510Q5	EXP-HOME BLT	89510V4	EXP-HOME BLT	9570314	EXP-HOME BLT	9570513	EXP-HOME BLT	9570552
EXP-HOME BLT	89510Q8	EXP-HOME BLT	89510V5	EXP-HOME BLT	9570317	EXP-HOME BLT	9570517	EXP-HOME BLT	9570560
EXP-HOME BLT	89510Q8	EXP-HOME BLT	89510V5	EXP-HOME BLT	9570319	EXP-HOME BLT	9570518	EXP-HOME BLT	9570572
EXP-HOME BLT	89510Q8	EXP-HOME BLT	89510VC	EXP-HOME BLT	9570320	EXP-HOME BLT	9570519	EXP-HOME BLT	9570573
EXP-HOME BLT	89510QC	EXP-HOME BLT	89510VP	EXP-HOME BLT	9570328	EXP-HOME BLT	9570519	EXP-HOME BLT	9570574
EXP-HOME BLT	89510R2	EXP-HOME BLT	89510VH	EXP-HOME BLT	9570329	EXP-HOME BLT	957051A	EXP-HOME BLT	9570574
EXP-HOME BLT	89510R5	EXP-HOME BLT	89510WZ	EXP-HOME BLT	9570330	EXP-HOME BLT	957051C	EXP-HOME BLT	9570581
EXP-HOME BLT	89510R8	EXP-HOME BLT	9340101	EXP-HOME BLT	9570331	EXP-HOME BLT	957051K	EXP-HOME BLT	9570585
EXP-HOME BLT	89510S1	EXP-HOME BLT	89510A5	EXP-HOME BLT	9570335	EXP-HOME BLT	957051N	EXP-HOME BLT	9570590
EXP-HOME BLT	89510S6	EXP-HOME BLT	89510A5	EXP-HOME BLT	9570336	EXP-HOME BLT	957051P	EXP-HOME BLT	9570591
EXP-HOME BLT	89510S7	EXP-HOME BLT	89510A5	EXP-HOME BLT	9570339	EXP-HOME BLT	957051T	EXP-HOME BLT	9570594
EXP-HOME BLT	89510S8	EXP-HOME BLT	89510A5	EXP-HOME BLT	9570339	EXP-HOME BLT	957051U	EXP-HOME BLT	9570599
EXP-HOME BLT	89510S9	EXP-HOME BLT	89510A5	EXP-HOME BLT	9570341	EXP-HOME BLT	957051V	EXP-HOME BLT	9570608
EXP-HOME BLT	89510T3	EXP-HOME BLT	89510A5	EXP-HOME BLT	9570342	EXP-HOME BLT	957051X	EXP-HOME BLT	9570614
EXP-HOME BLT	89510T4	EXP-HOME BLT	89510C3	EXP-HOME BLT	9570344	EXP-HOME BLT	957051Y	EXP-HOME BLT	9570615
EXP-HOME BLT	89510T7	EXP-HOME BLT	89510FG	EXP-HOME BLT	9570345	EXP-HOME BLT	957051Z	EXP-HOME BLT	9570617
EXP-HOME BLT	89510T8	EXP-HOME BLT	89510FZ	EXP-HOME BLT	9570350	EXP-HOME BLT	9570521	EXP-HOME BLT	9570703
EXP-HOME BLT	89510TA	EXP-HOME BLT	89510H6	EXP-HOME BLT	9570351	EXP-HOME BLT	9570523	EXP-HOME BLT	9570704
EXP-HOME BLT	89510TB	EXP-HOME BLT	89510HD	EXP-HOME BLT	9570352	EXP-HOME BLT	957052C	EXP-HOME BLT	9570707
EXP-HOME BLT	89510TC	EXP-HOME BLT	89510HS	EXP-HOME BLT	9570353	EXP-HOME BLT	957052D	EXP-HOME BLT	9570718
EXP-HOME BLT	89510TD	EXP-HOME BLT	89510J3	EXP-HOME BLT	9570354	EXP-HOME BLT	957052F	EXP-HOME BLT	9570720
EXP-HOME BLT	89510TE	EXP-HOME BLT	89510JG	EXP-HOME BLT	9570358	EXP-HOME BLT	957052G	EXP-HOME BLT	9570725
EXP-HOME BLT	89510TF	EXP-HOME BLT	89510JH	EXP-HOME BLT	9570359	EXP-HOME BLT	957052H	EXP-HOME BLT	9570732
EXP-HOME BLT	89510TG	EXP-HOME BLT	89510JK	EXP-HOME BLT	9570360	EXP-HOME BLT	957052J	EXP-HOME BLT	9570742
EXP-HOME BLT	89510TH	EXP-HOME BLT	89510JL	EXP-HOME BLT	9570363	EXP-HOME BLT	957052K	EXP-HOME BLT	9570748
EXP-HOME BLT	89510TH	EXP-HOME BLT	89510JL	EXP-HOME BLT	9570364	EXP-HOME BLT	957052M	EXP-HOME BLT	9570753

APPENDIX B

AIRCRAFT GROUP NAME
FAA MANUFACTURER/MODEL CODES

AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-HOME BLT	9570759	EXP-HOME BLT	9570859	EXP-HOME BLT	95708CM	EXP-HOME BLT	9790293	EXP-HOME BLT	97902YK
EXP-HOME BLT	9570765	EXP-HOME BLT	9570864	EXP-HOME BLT	95708CP	EXP-HOME BLT	9790296	EXP-HOME BLT	97902YS
EXP-HOME BLT	9570766	EXP-HOME BLT	9570865	EXP-HOME BLT	95708CT	EXP-HOME BLT	9790298	EXP-HOME BLT	97902ZS
EXP-HOME BLT	9570768	EXP-HOME BLT	9570867	EXP-HOME BLT	95708CW	EXP-HOME BLT	9790299	EXP-HOME BLT	97902Z9
EXP-HOME BLT	9570769	EXP-HOME BLT	9570868	EXP-HOME BLT	95708D1	EXP-HOME BLT	979029J	EXP-HOME BLT	97902ZN
EXP-HOME BLT	9570770	EXP-HOME BLT	9570870	EXP-HOME BLT	95708DA	EXP-HOME BLT	979029L	EXP-HOME BLT	9790301
EXP-HOME BLT	9570780	EXP-HOME BLT	9570875	EXP-HOME BLT	95708DA	EXP-HOME BLT	979029L	EXP-HOME BLT	9790301
EXP-HOME BLT	9570782	EXP-HOME BLT	9570879	EXP-HOME BLT	95708DH	EXP-HOME BLT	97902A3	EXP-HOME BLT	9790302
EXP-HOME BLT	9570784	EXP-HOME BLT	9570880	EXP-HOME BLT	95708DH	EXP-HOME BLT	97902A4	EXP-HOME BLT	9790303
EXP-HOME BLT	9570785	EXP-HOME BLT	9570882	EXP-HOME BLT	95708DJ	EXP-HOME BLT	97902A5	EXP-HOME BLT	9790305
EXP-HOME BLT	9570787	EXP-HOME BLT	9570884	EXP-HOME BLT	95708DN	EXP-HOME BLT	97902B1	EXP-HOME BLT	9790306
EXP-HOME BLT	9570790	EXP-HOME BLT	9570885	EXP-HOME BLT	95708EB	EXP-HOME BLT	97902B1	EXP-HOME BLT	9790341
EXP-HOME BLT	9570792	EXP-HOME BLT	9570886	EXP-HOME BLT	95708EE	EXP-HOME BLT	97902BT	EXP-HOME BLT	9790342
EXP-HOME BLT	9570797	EXP-HOME BLT	9570890	EXP-HOME BLT	95708EG	EXP-HOME BLT	97902CG	EXP-HOME BLT	9790365
EXP-HOME BLT	9570798	EXP-HOME BLT	9570891	EXP-HOME BLT	95708EJ	EXP-HOME BLT	97902D8	EXP-HOME BLT	9790375
EXP-HOME BLT	9570799	EXP-HOME BLT	9570893	EXP-HOME BLT	95708EK	EXP-HOME BLT	97902DC	EXP-HOME BLT	9790472
EXP-HOME BLT	9570802	EXP-HOME BLT	9570896	EXP-HOME BLT	95708EL	EXP-HOME BLT	97902DP	EXP-HOME BLT	9790503
EXP-HOME BLT	9570803	EXP-HOME BLT	9570897	EXP-HOME BLT	95708EQ	EXP-HOME BLT	97902DT	EXP-HOME BLT	9790507
EXP-HOME BLT	9570809	EXP-HOME BLT	9570898	EXP-HOME BLT	95708ES	EXP-HOME BLT	97902E4	EXP-HOME BLT	9790508
EXP-HOME BLT	9570811	EXP-HOME BLT	95708AB	EXP-HOME BLT	95708EF	EXP-HOME BLT	97902EC	EXP-HOME BLT	9790509
EXP-HOME BLT	9570822	EXP-HOME BLT	95708AE	EXP-HOME BLT	95708FH	EXP-HOME BLT	97902FA	EXP-HOME BLT	9790513
EXP-HOME BLT	9570824	EXP-HOME BLT	95708AF	EXP-HOME BLT	95708FK	EXP-HOME BLT	97902FR	EXP-HOME BLT	9790515
EXP-HOME BLT	9570826	EXP-HOME BLT	95708AJ	EXP-HOME BLT	95708FL	EXP-HOME BLT	97902G1	EXP-HOME BLT	9790517
EXP-HOME BLT	9570827	EXP-HOME BLT	95708AN	EXP-HOME BLT	95708FN	EXP-HOME BLT	97902G8	EXP-HOME BLT	9790518
EXP-HOME BLT	9570830	EXP-HOME BLT	95708AQ	EXP-HOME BLT	95708FT	EXP-HOME BLT	97902GE	EXP-HOME BLT	9790519
EXP-HOME BLT	9570832	EXP-HOME BLT	95708AR	EXP-HOME BLT	95708FV	EXP-HOME BLT	97902HB	EXP-HOME BLT	9790520
EXP-HOME BLT	9570833	EXP-HOME BLT	95708AT	EXP-HOME BLT	95708FW	EXP-HOME BLT	97902HY	EXP-HOME BLT	9790521
EXP-HOME BLT	9570834	EXP-HOME BLT	95708AV	EXP-HOME BLT	95708G1	EXP-HOME BLT	97902J3	EXP-HOME BLT	9790522
EXP-HOME BLT	9570835	EXP-HOME BLT	95708AX	EXP-HOME BLT	9790169	EXP-HOME BLT	97902JN	EXP-HOME BLT	9790525
EXP-HOME BLT	9570836	EXP-HOME BLT	95708BC	EXP-HOME BLT	97901A3	EXP-HOME BLT	97902JR	EXP-HOME BLT	9790526
EXP-HOME BLT	9570837	EXP-HOME BLT	95708BD	EXP-HOME BLT	979021V	EXP-HOME BLT	97902KJ	EXP-HOME BLT	9790527
EXP-HOME BLT	9570838	EXP-HOME BLT	95708BE	EXP-HOME BLT	9790226	EXP-HOME BLT	97902KL	EXP-HOME BLT	9790528
EXP-HOME BLT	9570839	EXP-HOME BLT	95708BG	EXP-HOME BLT	979022R	EXP-HOME BLT	97902LE	EXP-HOME BLT	9790529
EXP-HOME BLT	9570842	EXP-HOME BLT	95708BJ	EXP-HOME BLT	9790259	EXP-HOME BLT	97902LV	EXP-HOME BLT	9790530
EXP-HOME BLT	9570843	EXP-HOME BLT	95708BK	EXP-HOME BLT	979026A	EXP-HOME BLT	97902M6	EXP-HOME BLT	9790532
EXP-HOME BLT	9570847	EXP-HOME BLT	95708BL	EXP-HOME BLT	979026Q	EXP-HOME BLT	97902MA	EXP-HOME BLT	9790533
EXP-HOME BLT	9570848	EXP-HOME BLT	95708BR	EXP-HOME BLT	9790271	EXP-HOME BLT	97902N2	EXP-HOME BLT	979060Z
EXP-HOME BLT	9570850	EXP-HOME BLT	95708BR	EXP-HOME BLT	9790271	EXP-HOME BLT	97902NM	EXP-HOME BLT	9790709
EXP-HOME BLT	9570851	EXP-HOME BLT	95708BS	EXP-HOME BLT	9790280	EXP-HOME BLT	97902V4	EXP-HOME BLT	9790803
EXP-HOME BLT	9570855	EXP-HOME BLT	95708BT	EXP-HOME BLT	9790286	EXP-HOME BLT	97902V0	EXP-HOME BLT	9790805
EXP-HOME BLT	9570856	EXP-HOME BLT	95708CC	EXP-HOME BLT	979028G	EXP-HOME BLT	97902WK	EXP-HOME BLT	9790809
EXP-HOME BLT	9570858	EXP-HOME BLT	95708CC	EXP-HOME BLT	979028H	EXP-HOME BLT	97902XJ	EXP-HOME BLT	9790810
EXP-HOME BLT	9570858	EXP-HOME BLT	95708CG	EXP-HOME BLT	979028Y	EXP-HOME BLT	97902XL	EXP-HOME BLT	9790813

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
EXP-OTHER	3300435	EXP-OTHER	5120404	EXP-OTHER	7221303	EXP-OTHER	8950104	GLIDER	0200506
EXP-OTHER	3300509	EXP-OTHER	5140102	EXP-OTHER	7480301	EXP-OTHER	8951074	GLIDER	0550313
EXP-OTHER	3375014	EXP-OTHER	5170311	EXP-OTHER	7484042	EXP-OTHER	8951079	GLIDER	056030N
EXP-OTHER	3400210	EXP-OTHER	5170511	EXP-OTHER	7489956	EXP-OTHER	9060202	GLIDER	05603EJ
EXP-OTHER	3550802	EXP-OTHER	5220402	EXP-OTHER	7530200	EXP-OTHER	9230300	GLIDER	05603F5
EXP-OTHER	3550806	EXP-OTHER	5260209	EXP-OTHER	7990102	EXP-OTHER	9350202	GLIDER	05603H0
EXP-OTHER	3550812	EXP-OTHER	5263406	EXP-OTHER	8050210	EXP-OTHER	9560202	GLIDER	05603J1
EXP-OTHER	3581000	EXP-OTHER	5269700	EXP-OTHER	8051404	EXP-OTHER	9570362	GLIDER	05608G2
EXP-OTHER	3590202	EXP-OTHER	5400104	EXP-OTHER	8059059	EXP-OTHER	95708AH	GLIDER	056127Y
EXP-OTHER	363057F	EXP-OTHER	5400110	EXP-OTHER	8059101	EXP-OTHER	9600402	GLIDER	05612FX
EXP-OTHER	3760302	EXP-OTHER	5440102	EXP-OTHER	8071409	EXP-OTHER	9600414	GLIDER	056133F
EXP-OTHER	3760402	EXP-OTHER	5550104	EXP-OTHER	8141603	EXP-OTHER	9600414	GLIDER	05620VR
EXP-OTHER	3800313	EXP-OTHER	5626020	EXP-OTHER	8141605	FRCHLD24	3370402	GLIDER	05620VS
EXP-OTHER	3800350	EXP-OTHER	5626022	EXP-OTHER	814161E	FRCHLD24	3370408	GLIDER	05620VJ
EXP-OTHER	38003FB	EXP-OTHER	5650310	EXP-OTHER	8141800	FRCHLD24	3370414	GLIDER	0562292
EXP-OTHER	3801325	EXP-OTHER	5870206	EXP-OTHER	8141818	FRCHLD24	3370418	GLIDER	05623DA
EXP-OTHER	3801328	EXP-OTHER	5870222	EXP-OTHER	8143019	FRCHLD24	3370502	GLIDER	05623QA
EXP-OTHER	3801514	EXP-OTHER	5870224	EXP-OTHER	8151607	FRCHLD24	3370508	GLIDER	05623PV
EXP-OTHER	3801953	EXP-OTHER	6120202	EXP-OTHER	8151610	FRCHLD24	3370514	GLIDER	05623VQ
EXP-OTHER	3801965	EXP-OTHER	6260102	EXP-OTHER	8270310	FRCHLD24	3370516	GLIDER	05624LQ
EXP-OTHER	38019VH	EXP-OTHER	6290102	EXP-OTHER	8451018	FRCHLD24	3370520	GLIDER	05644PU
EXP-OTHER	3802502	EXP-OTHER	6400445	EXP-OTHER	8651209	FRCHLD24	3370602	GLIDER	05645RM
EXP-OTHER	3860100	EXP-OTHER	6400446	EXP-OTHER	8660158	FRCHLD24	3370614	GLIDER	0564708
EXP-OTHER	3870603	EXP-OTHER	6402319	EXP-OTHER	8660393	FRCHLD24	3370620	GLIDER	0564712
EXP-OTHER	3950104	EXP-OTHER	6402321	EXP-OTHER	86603EJ	FRCHLD24	3370626	GLIDER	056474D
EXP-OTHER	3950322	EXP-OTHER	6402610	EXP-OTHER	8680206	FRCHLD24	3370628	GLIDER	0564778
EXP-OTHER	3951001	EXP-OTHER	6459008	EXP-OTHER	8680511	FRCHLD24	3370628	GLIDER	0564787
EXP-OTHER	3951103	EXP-OTHER	6560102	EXP-OTHER	8680669	FRCHLDM62	3371602	GLIDER	0564789
EXP-OTHER	3952803	EXP-OTHER	70401S1	EXP-OTHER	8680675	FRCHLDM62	3371604	GLIDER	0564794
EXP-OTHER	3980200	EXP-OTHER	7090202	EXP-OTHER	8680816	FRCHLDM62	3371606	GLIDER	05647AB
EXP-OTHER	4230110	EXP-OTHER	7090302	EXP-OTHER	8730202	FRCHLDM62	3371608	GLIDER	05647AR
EXP-OTHER	4230112	EXP-OTHER	7090401	EXP-OTHER	8810001	FRCHLDM62	3371618	GLIDER	05647AU
EXP-OTHER	4300400	EXP-OTHER	7090501	EXP-OTHER	8821616	FRCHLDM62	3371620	GLIDER	05647BE
EXP-OTHER	4301002	EXP-OTHER	7100511	EXP-OTHER	8821616	FRCHLDM62	3371622	GLIDER	05647BF
EXP-OTHER	4360118	EXP-OTHER	7101103	EXP-OTHER	8821644	FRCHLDM62	3371624	GLIDER	05647CX
EXP-OTHER	4490103	EXP-OTHER	7101202	EXP-OTHER	8821648	FRCHLDM62	3371626	GLIDER	05647DF
EXP-OTHER	4560404	EXP-OTHER	7101817	EXP-OTHER	8822001	FRCHLDM62	3371628	GLIDER	05647DM
EXP-OTHER	4651004	EXP-OTHER	7102311	EXP-OTHER	8850340	FRCHLDM62	3371630	GLIDER	05647EA
EXP-OTHER	4820101	EXP-OTHER	7103102	EXP-OTHER	8850908	FRCHLDM62	3371632	GLIDER	05647ED
EXP-OTHER	5100108	EXP-OTHER	7104101	EXP-OTHER	8850911	FRCHLDM62	3371644	GLIDER	05647EQ
EXP-OTHER	5100203	EXP-OTHER	7104800	EXP-OTHER	8890602	FRCHLDM62	3374004	GLIDER	05647ET
EXP-OTHER	5110322	EXP-OTHER	7220729	EXP-OTHER	8930110	GLIDER	0130202	GLIDER	05647FL
									05647FQ

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
GLIDER	05647FT	GLIDER	1130819	GLIDER	1990104	GLIDER	3801545	GLIDER	5760104
GLIDER	05647GJ	GLIDER	1130824	GLIDER	1990108	GLIDER	3801551	GLIDER	5760202
GLIDER	05647GH	GLIDER	1130825	GLIDER	1990112	GLIDER	3801554	GLIDER	5760204
GLIDER	05647GR	GLIDER	1130826	GLIDER	2000102	GLIDER	3801559	GLIDER	5760206
GLIDER	05647HX	GLIDER	1130829	GLIDER	2480122	GLIDER	3801563	GLIDER	6200102
GLIDER	05647J7	GLIDER	1130832	GLIDER	2480124	GLIDER	3801567	GLIDER	6551115
GLIDER	05647JS	GLIDER	1130833	GLIDER	2480126	GLIDER	3801581	GLIDER	6610102
GLIDER	05647JU	GLIDER	1130835	GLIDER	3321206	GLIDER	38015F1	GLIDER	6820502
GLIDER	05647KC	GLIDER	1130844	GLIDER	3321210	GLIDER	38015F2	GLIDER	7090103
GLIDER	05647KF	GLIDER	1130846	GLIDER	3800343	GLIDER	38015GS	GLIDER	7090104
GLIDER	05647KL	GLIDER	1130847	GLIDER	3800344	GLIDER	38015GY	GLIDER	7090105
GLIDER	05647KN	GLIDER	1130848	GLIDER	3800346	GLIDER	38015H2	GLIDER	7090215
GLIDER	05647KT	GLIDER	1130851	GLIDER	3800348	GLIDER	38015HZ	GLIDER	7100102
GLIDER	05647LH	GLIDER	1130853	GLIDER	3800425	GLIDER	3801920	GLIDER	7300102
GLIDER	05647LP	GLIDER	1130855	GLIDER	3801049	GLIDER	3801933	GLIDER	7300106
GLIDER	05647MT	GLIDER	1130857	GLIDER	3801211	GLIDER	3801939	GLIDER	79001H7
GLIDER	05647NM	GLIDER	1130858	GLIDER	3801217	GLIDER	3801945	GLIDER	79001HS
GLIDER	05647RL	GLIDER	1130860	GLIDER	3801250	GLIDER	3801951	GLIDER	79001S2
GLIDER	05647TD	GLIDER	1130861	GLIDER	3801251	GLIDER	38019VC	GLIDER	79001T6
GLIDER	05647TZ	GLIDER	1130862	GLIDER	3801260	GLIDER	38019V6	GLIDER	79001TK
GLIDER	05647V8	GLIDER	1130867	GLIDER	3801311	GLIDER	38019V7	GLIDER	8050102
GLIDER	05647Y2	GLIDER	1130868	GLIDER	3801315	GLIDER	38019V8	GLIDER	8050104
GLIDER	05647Z6	GLIDER	1360306	GLIDER	3801343	GLIDER	38019V9	GLIDER	8050106
GLIDER	05653M4	GLIDER	1403004	GLIDER	3801351	GLIDER	38019VP	GLIDER	8050107
GLIDER	056598R	GLIDER	1403008	GLIDER	3801359	GLIDER	3802002	GLIDER	8050108
GLIDER	056599G	GLIDER	1403012	GLIDER	3801361	GLIDER	3802051	GLIDER	8050110
GLIDER	056599Q	GLIDER	1403014	GLIDER	3801365	GLIDER	3802065	GLIDER	8050112
GLIDER	05659AC	GLIDER	1403016	GLIDER	3801381	GLIDER	3802219	GLIDER	8050114
GLIDER	05659WX	GLIDER	1660104	GLIDER	3801505	GLIDER	3802433	GLIDER	8050116
GLIDER	056752P	GLIDER	1660106	GLIDER	3801507	GLIDER	3802504	GLIDER	8050118
GLIDER	0567575	GLIDER	1660107	GLIDER	3801508	GLIDER	3802509	GLIDER	8050120
GLIDER	05675ZL	GLIDER	1660108	GLIDER	3801509	GLIDER	3802510	GLIDER	8050121
GLIDER	0567603	GLIDER	1660109	GLIDER	3801510	GLIDER	3802553	GLIDER	8050122
GLIDER	0567642	GLIDER	1660202	GLIDER	3801515	GLIDER	3802555	GLIDER	8050124
GLIDER	0567679	GLIDER	1660203	GLIDER	3801516	GLIDER	3802556	GLIDER	8050146
GLIDER	05676H4	GLIDER	1660204	GLIDER	3801520	GLIDER	3805010	GLIDER	8050147
GLIDER	05676J3	GLIDER	1660206	GLIDER	3801525	GLIDER	3831000	GLIDER	8050148
GLIDER	05676K5	GLIDER	1660207	GLIDER	3801528	GLIDER	4490102	GLIDER	8050149
GLIDER	05676R9	GLIDER	1660207	GLIDER	3801529	GLIDER	4490106	GLIDER	8050151
GLIDER	0910102	GLIDER	1660304	GLIDER	3801530	GLIDER	5090204	GLIDER	8050153
GLIDER	1000115	GLIDER	1870101	GLIDER	3801535	GLIDER	5090330	GLIDER	8050202
GLIDER	1050300	GLIDER	1981008	GLIDER	3801540	GLIDER	5100102	GLIDER	8050206
GLIDER	1130808	GLIDER	1990101	GLIDER	3801542	GLIDER	5760102	GLIDER	8050502

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
GLIDER	8050602	GULSTM112	7630314	GULSTMG1159	3970108	HUGHES369	3027371	HYNESB2	1440504		
GLIDER	8050604	GULSTM112	7630315	GULSTMG1159	3970109	HUGHES369	3027372	HYNESB2	1440506		
GLIDER	8050608	GULSTM500	0141102	GULSTMG1159	3980100	HUGHES369	3027374	INTRCP200	0140302		
GLIDER	8050610	GULSTM500	0141104	GULSTMG1159	3980110	HUGHES369	4470702	INTRCP200	0140312		
GLIDER	8050612	GULSTM500	0141106	GULSTMG1159	3980115	HUGHES369	4470706	INTRCP200	5650306		
GLIDER	8050614	GULSTM500	0141107	GULSTMG159	3952202	HUGHES369	4470707	INTRCP200	5650308		
GLIDER	8050902	GULSTM500	0141108	GULSTMG44	3951502	HUGHES369	4470708	ISRAEL1121	0142002		
GLIDER	8050903	GULSTM560	0141402	GULSTMG44	3951508	HUGHES369	4470709	ISRAEL1121	0142006		
GLIDER	8051604	GULSTM560	0141404	GULSTMGA7	3960401	HUGHES369	4470718	ISRAEL1121	0142010		
GLIDER	8051606	GULSTM560	0141406	HELIOH295	4300802	HUGHES369	4470720	ISRAEL1121	4500100		
GLIDER	8053605	GULSTM560	0141408	HELIOH295	4300803	HUGHES369	4470722	ISRAEL1124	4500102		
GLIDER	8270302	GULSTM680	0141602	HELIOH295	4301102	HUGHES369	4470728	ISRAEL1124	4500103		
GLIDER	8270320	GULSTM680	0141604	HELIOH295	4301104	HUGHES369	4470730	ISRAEL1124	4500305		
GLIDER	8320101	GULSTM680	0141608	HILLERUH12	4360102	HUGHES369	4470731	JBNSTRDGA15	4690105		
GLIDER	8320102	GULSTM680	0141610	HILLERUH12	4360103	HUGHES369	4470805	JBNSTRDGA15	4690502		
GLIDER	8320304	GULSTM680	0141611	HILLERUH12	4360104	HUGHES369	4470806	JBNSTRDGA15	4690506		
GLIDER	8320402	GULSTM680	0141612	HILLERUH12	4360105	HUGHES369	4470807	JBNSTRDGA15	4690516		
GLIDER	8320602	GULSTM680	0141614	HILLERUH12	4360110	HUGHES369	4470808	LEAR24	5170302		
GLIDER	8321008	GULSTM680TP	0141712	HILLERUH12	4360113	HKKSLYDH125	1155400	LEAR24	5170304		
GLIDER	8321506	GULSTM680TP	0141714	HILLERUH12	4360114	HKKSLYDH125	1155402	LEAR24	5170306		
GLIDER	8321508	GULSTM680TP	0141716	HILLERUH12	4360115	HKKSLYDH125	1500100	LEAR24	5170307		
GLIDER	8321510	GULSTM680TP	0141718	HILLERUH12	4360116	HKKSLYDH125	1500102	LEAR24	5170308		
GLIDER	8500101	GULSTM680TP	7630511	HILLERUH12	4360119	HKKSLYDH125	1500103	LEAR24	5170312		
GLIDER	8501001	GULSTM690TP	0141720	HILLERUH12	4360121	HKKSLYDH125	1500104	LEAR24	5170316		
GLIDER	8680694	GULSTM690TP	0141722	HILLERUH12	4360120	HKKSLYDH125	1500104	LEAR24	5170317		
GLIDER	8821004	GULSTM690TP	3970405	HILLERUH12	4360121	HKKSLYDH125	1500141	LEAR24	5170506		
GLIDER	9820212	GULSTM690TP	3970410	HILLERUH12	4360122	HKKSLYDH125	1500204	LEAR25	5170509		
GRUMAVAA1	3960100	GULSTM690TP	3970411	HILLERUH12	4360124	HKKSLYDH125	1500205	LEAR25	5170513		
GRUMAVAA1	3960102	GULSTM690TP	3970610	HILLERUH12	4360126	HKKSLYDH125	1500206	LEAR25	5170514		
GRUMAVAA1	3960103	GULSTM690TP	7630515	HILLERUH12	4360128	HKKSLYDH125	1500287	LEAR25	5170530		
GRUMAVAA5	3960104	GULSTM690TP	7630517	HILLERUH12	4360132	HKKSLYDH125	4230102	LEAR35	5170531		
GRUMAVAA5	3960105	GULSTM690TP	7630518	HILLERUH12	4360809	HKKSLYDH125	4230106	LEAR35	5170600		
GRUMAVG164	3952802	GULSTM690TP	7630519	HUGHES269	4470402	HKKSLYDH125	4230126	LEAR35	5170601		
GRUMAVG164	3952804	GULSTMAA1	0630610	HUGHES269	4470403	HKKSLYDH125	423013M	LEAR35	5170602		
GRUMAVG21	3951204	GULSTMAA5	0631410	HUGHES269	4470404	HKKSLYDH125	423013P	LEAR35	5170603		
GRUMAVG21	3951214	GULSTMAA5	3960106	HUGHES269	4470502	HKKSLYDH125	4230140	LEAR35	5170802		
GULSTM112	0144701	GULSTMAA5	3970104	HUGHES269	4470503	HKKSLYDH125	4230145	LEAR55	5170702		
GULSTM112	7630301	GULSTMAA5	3970106	HUGHES269	4470504	HKKSLYDH125	4230146	LEAR55	5170705		
GULSTM112	7630302	GULSTM1159	3953505	HUGHES369	8059502	HKKSLYDH125	4230158	LEAR55	5170706		
GULSTM112	7630306	GULSTM1159	3953535	HUGHES369	3027369	HKKSLYDH125	4230160	LKHEED1329	5263102		
GULSTM112	7630307	GULSTM1159	3960302	HUGHES369	3027370	HKKSLYDH125	4230170	LKHEED1329	5263103		
						HYNESB2	1440502		5263108		

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE					
LKHEED1329	5263119	LTR	THAN AIR	05637BF	LTR	THAN AIR	05637T7	LTR	THAN AIR	1880208	LTR	THAN AIR	2301213	
LKHEED1329	5263125	LTR	THAN AIR	05637BG	LTR	THAN AIR	05637T8	LTR	THAN AIR	1880210	LTR	THAN AIR	2301214	
LTR	THAN AIR	0505100	LTR	THAN AIR	05637BH	LTR	THAN AIR	056477G	LTR	THAN AIR	1880211	LTR	THAN AIR	2301215
LTR	THAN AIR	0050101	LTR	THAN AIR	05637BL	LTR	THAN AIR	0566705	LTR	THAN AIR	1880212	LTR	THAN AIR	2301216
LTR	THAN AIR	0050103	LTR	THAN AIR	05637BU	LTR	THAN AIR	0566709	LTR	THAN AIR	1880213	LTR	THAN AIR	2301217
LTR	THAN AIR	0050105	LTR	THAN AIR	05637BY	LTR	THAN AIR	0900104	LTR	THAN AIR	1880215	LTR	THAN AIR	2301218
LTR	THAN AIR	0050112	LTR	THAN AIR	05637BZ	LTR	THAN AIR	0900107	LTR	THAN AIR	1880216	LTR	THAN AIR	2301219
LTR	THAN AIR	0050202	LTR	THAN AIR	05637CC	LTR	THAN AIR	0900110	LTR	THAN AIR	1880217	LTR	THAN AIR	2301220
LTR	THAN AIR	0050204	LTR	THAN AIR	05637CD	LTR	THAN AIR	1020110	LTR	THAN AIR	1880218	LTR	THAN AIR	2301221
LTR	THAN AIR	0050302	LTR	THAN AIR	05637CE	LTR	THAN AIR	1050100	LTR	THAN AIR	1880219	LTR	THAN AIR	2301222
LTR	THAN AIR	0050450	LTR	THAN AIR	05637CF	LTR	THAN AIR	1050101	LTR	THAN AIR	1880220	LTR	THAN AIR	2301223
LTR	THAN AIR	0050460	LTR	THAN AIR	05637CK	LTR	THAN AIR	1050102	LTR	THAN AIR	1880221	LTR	THAN AIR	2301224
LTR	THAN AIR	05604UH	LTR	THAN AIR	05637CL	LTR	THAN AIR	1050107	LTR	THAN AIR	1880225	LTR	THAN AIR	2301225
LTR	THAN AIR	05604XW	LTR	THAN AIR	05637CN	LTR	THAN AIR	1050109	LTR	THAN AIR	1880228	LTR	THAN AIR	2301226
LTR	THAN AIR	05613X8	LTR	THAN AIR	05637CP	LTR	THAN AIR	1050110	LTR	THAN AIR	1880233	LTR	THAN AIR	2301227
LTR	THAN AIR	056202L	LTR	THAN AIR	05637CQ	LTR	THAN AIR	1050111	LTR	THAN AIR	1880245	LTR	THAN AIR	2301228
LTR	THAN AIR	05620HQ	LTR	THAN AIR	05637D5	LTR	THAN AIR	1050113	LTR	THAN AIR	1880250	LTR	THAN AIR	2301229
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LTR	THAN AIR	05622ER	LTR	THAN AIR	05637DL	LTR	THAN AIR	1050120	LTR	THAN AIR	1880260	LTR	THAN AIR	3240206
LTR	THAN AIR	05623CS	LTR	THAN AIR	05637DP	LTR	THAN AIR	1050121	LTR	THAN AIR	1880261	LTR	THAN AIR	3240207
LTR	THAN AIR	05623GK	LTR	THAN AIR	05637DV	LTR	THAN AIR	1050130	LTR	THAN AIR	1880262	LTR	THAN AIR	3410101
LTR	THAN AIR	05623J4	LTR	THAN AIR	05637DY	LTR	THAN AIR	10501A9	LTR	THAN AIR	1880264	LTR	THAN AIR	3410102
LTR	THAN AIR	05623W1	LTR	THAN AIR	05637DZ	LTR	THAN AIR	1050201	LTR	THAN AIR	1880266	LTR	THAN AIR	3410103
LTR	THAN AIR	05624AC	LTR	THAN AIR	05637E4	LTR	THAN AIR	1070100	LTR	THAN AIR	1880271	LTR	THAN AIR	3410104
LTR	THAN AIR	05624C3	LTR	THAN AIR	05637EA	LTR	THAN AIR	1880102	LTR	THAN AIR	1880280	LTR	THAN AIR	3410105
LTR	THAN AIR	05624G1	LTR	THAN AIR	05637EE	LTR	THAN AIR	1880104	LTR	THAN AIR	1880284	LTR	THAN AIR	3760202
LTR	THAN AIR	05624G2	LTR	THAN AIR	05637ED	LTR	THAN AIR	1880106	LTR	THAN AIR	1880286	LTR	THAN AIR	3760501
LTR	THAN AIR	05624JC	LTR	THAN AIR	05637EF	LTR	THAN AIR	1880108	LTR	THAN AIR	1880287	LTR	THAN AIR	3760525
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LTR	THAN AIR	0563792	LTR	THAN AIR	05637K2	LTR	THAN AIR	1880120	LTR	THAN AIR	2300180	LTR	THAN AIR	3850104
LTR	THAN AIR	05637A1	LTR	THAN AIR	05637L3	LTR	THAN AIR	1880121	LTR	THAN AIR	2301200	LTR	THAN AIR	3870142
LTR	THAN AIR	05637AA	LTR	THAN AIR	05637M1	LTR	THAN AIR	1880122	LTR	THAN AIR	2301201	LTR	THAN AIR	3870168
LTR	THAN AIR	05637AC	LTR	THAN AIR	05637M2	LTR	THAN AIR	1880201	LTR	THAN AIR	2301204	LTR	THAN AIR	3870218
LTR	THAN AIR	05637AE	LTR	THAN AIR	05637M7	LTR	THAN AIR	1880202	LTR	THAN AIR	2301208	LTR	THAN AIR	3870220
LTR	THAN AIR	05637AF	LTR	THAN AIR	05637N1	LTR	THAN AIR	1880203	LTR	THAN AIR	2301209	LTR	THAN AIR	3870221
LTR	THAN AIR	05637AY	LTR	THAN AIR	05637P3	LTR	THAN AIR	1880204	LTR	THAN AIR	2301208	LTR	THAN AIR	4280100
LTR	THAN AIR	05637BB	LTR	THAN AIR	05637P9	LTR	THAN AIR	1880205	LTR	THAN AIR	2301209	LTR	THAN AIR	4280101
LTR	THAN AIR	05637BE	LTR	THAN AIR	05637R1	LTR	THAN AIR	1880206	LTR	THAN AIR	2301211	LTR	THAN AIR	4280200
LTR	THAN AIR	05637BF	LTR	THAN AIR	05637T5	LTR	THAN AIR	1880207	LTR	THAN AIR	2301212	LTR	THAN AIR	4280202

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LTR THAN AIR	6113310	LTR THAN AIR	8070802	LUSCOM8	8190117	MEMG HEL(14)	1182106	MNMITEM18	5870101		
LTR THAN AIR	6113312	LTR THAN AIR	8071408	LUSCOM8	8190118	MEMG HEL(14)	13015GL	MNMITEM18	5870102		
LTR THAN AIR	6113319	LTR THAN AIR	8071701	LUSCOM8	8190120	MEMG HEL(14)	13015GM	MNMITEM18	5870104		
LTR THAN AIR	6113320	LTR THAN AIR	8071802	LUSCOM8	8190122	MEMG HEL(14)	13015GQ	MNMITEM18	5870106		
LTR THAN AIR	6113321	LTR THAN AIR	8280041	LUSCOM8	8190124	MEMG HEL(14)	1302902	MNMITEM18	5870108		
LTR THAN AIR	7001000	LTR THAN AIR	8970100	LUSCOM8	8190126	MEMG HEL(14)	1385005	MOONEYM20	5870202		
LTR THAN AIR	7001218	LTR THAN AIR	8970102	LUSCOM8	8190128	MEMG HEL(14)	1385007	MOONEYM20	5870204		
LTR THAN AIR	7480109	LTR THAN AIR	8970103	LUSCOM8	8190130	MEMG HEL(14)	1385049	MOONEYM20	5870208		
LTR THAN AIR	7480204	LTR THAN AIR	8970105	LUSCOM8	8190132	MEMG HEL(14)	4360402	MOONEYM20	5870210		
LTR THAN AIR	7480402	LTR THAN AIR	8970107	LUSCOM8	8190154	MEMG HEL(14)	5626024	MOONEYM20	5870212		
LTR THAN AIR	7480501	LTR THAN AIR	8970108	MAULEM4	5460102	MEMG HEL(14)	8141402	MOONEYM20	5870214		
LTR THAN AIR	7480502	LTR THAN AIR	8970109	MAULEM4	5460104	MEMG HEL(14)	8142101	MOONEYM20	5870216		
LTR THAN AIR	7480503	LTR THAN AIR	8970110	MAULEM4	5460106	MEMG HEL(14)	8142102	MOONEYM20	5870219		
LTR THAN AIR	7480606	LTR THAN AIR	8970111	MAULEM4	5460106	MEMG HEL(14)	8142104	MOONEYM20	5870220		
LTR THAN AIR	7480609	LTR THAN AIR	8970112	MAULEM4	5460108	MEMG HEL(14)	8142106	MOONEYM20	5870221		
LTR THAN AIR	7480611	LTR THAN AIR	8970113	MAULEM4	5460112	MEMG HEL(14)	8142107	MOONEYM20	5870308		
LTR THAN AIR	7480612	LTR THAN AIR	8970116	MAULEM4	5460114	MEMG HEL(14)	814210B	MOONEYM20	5870312		
LTR THAN AIR	7480650	LTR THAN AIR	8970120	MAULEM4	5460128	MEMG HEL(14)	314210C	MOONEYM20	5870314		
LTR THAN AIR	7483202	LTR THAN AIR	8970121	MAULEM5	5460132	MEMG HEL(14)	814210M	MOONEYM20	5870601		
LTR THAN AIR	7484049	LTR THAN AIR	8970121	MAULEM5	5460133	MEMG HEL(14)	8142110	MOONEYM20	5870604		
LTR THAN AIR	7484058	LTR THAN AIR	8970122	MAULEM5	5460134	MEMG HEL(14)	8142604	MOONEYM20	5870605		
LTR THAN AIR	7485050	LTR THAN AIR	8970123	MAULEM5	5460135	MEMG HEL(14)	8142610	MTSBSIHU2	5780404		
LTR THAN AIR	7485052	LTR THAN AIR	8970124	MAULEM5	5460137	MEMG HEL(14)	8142620	MTSBSIHU2	5780406		
LTR THAN AIR	7485055	LTR THAN AIR	8970125	MAULEM5	5460204	MEMG HEL(14)	8143072	MTSBSIHU2	5780407		
LTR THAN AIR	7485057	LTR THAN AIR	8970126	MAULEM5	5470006	MEMG HEL(14)	8680668	MTSBSIHU2	5780409		
LTR THAN AIR	7485058	LTR THAN AIR	8970128	MAULEM5	5470010	MEMG HEL(14)	8680804	MTSBSIHU2	5780411		
LTR THAN AIR	7486006	LTR THAN AIR	8970129	MAULEM6	5460138	MEMG HEL(14)	8680808	MTSBSIHU2	5780412		
LTR THAN AIR	7486060	LTR THAN AIR	8970130	MAULEM6	5460139	MEMG HEL(14)	8680809	MTSBSIHU2	5780413		
LTR THAN AIR	7486066	LTR THAN AIR	8970131	MAULEM6	5460140	MEMG HEL(14)	8680815	MTSBSIHU2	5780414		
LTR THAN AIR	7486067	LTR THAN AIR	95708AA	MAULEM6	5460160	MEMG HEL(14)	9420602	MTSBSIHU2	5780440		
LTR THAN AIR	7487007	LTR THAN AIR	95708CQ	MAULEM6	5460161	MEMG HEL(14)	9420602	MTSBSIHU2	5780460		
LTR THAN AIR	7487008	LTR THAN AIR	9700101	MAULEM7	5460170	MEMG HEL(14)	9420604	MTSBSIHU2	5780460		
LTR THAN AIR	7487009	LTR THAN AIR	8190102	MAULEM7	5470205	MILITARY204	1181409	MTSBSIHU300	5780602		
LTR THAN AIR	7487010	LUSCOM8	8190103	MAULEM7	5470207	MILITARY204	1181410	MTSBSIHU300	5781300		
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LTR THAN AIR	7487078	LUSCOM8	8190106	MAULEM7	5470209	MILITARY204	118141A	NAMERT28	6402504		
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LTR THAN AIR	7487510	LUSCOM8	8190112	MCLISHFUNKB	5480108	MNC0UP90	5810102	NAMERT28	6402519		
LTR THAN AIR	7487805	LUSCOM8	8190113	MCLISHFUNKB	5480108	MNC0UP90	5810104	NAMERT28	6402520		
LTR THAN AIR	7487806	LUSCOM8	8190114	MCLISHFUNKB	5480204	MNC0UP90	5810107	NAMERT28	6402527		
LTR THAN AIR	7487900	LUSCOM8	8190116	MCLISHFUNKB	5480208	MNC0UP90	5810130	NAMERT28	6402527		

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NAMERT8	6402528	NAVIONNAVION	6150162	PIPERJ3	7100525	PIPERPA18	7101814	PIPERPA23	7102309
NAMERT6	1922827	NAVIONNAVION	6150166	PIPERJ3	7100526	PIPERPA18	7101815	PIPERPA23	7102310
NAMERT6	6400399	NAVIONNAVION	6150170	PIPERJ3	7100527	PIPERPA18	7101816	PIPERPA24	7102402
NAMERT6	6400402	NAVIONNAVION	6150174	PIPERJ3	7100528	PIPERPA18	7101818	PIPERPA24	7102403
NAMERT6	6400404	NAVIONNAVION	6150178	PIPERJ3	710052P	PIPERPA18	7101819	PIPERPA24	7102404
NAMERT6	6400405	NAVIONNAVION	6150179	PIPERJ3	710052T	PIPERPA18	7101820	PIPERPA24	7102406
NAMERT6	6400409	NORHST65	6480116	PIPERJ3	7100532	PIPERPA18	7101821	PIPERPA24	7102408
NAMERT6	640041B	NORHST65	6480118	PIPERJ3	7100536	PIPERPA18	7101822	PIPERPA25	7102502
NAMERT6	6400420	NORHST65	6480119	PIPERJ3	7100537	PIPERPA18	7101823	PIPERPA25	7102503
NAMERT6	6400421	NORHST65	6480122	PIPERJ3	7100541	PIPERPA18	7101824	PIPERPA25	7102504
NAMERT6	6400422	NORHST65	6480124	PIPERJ3	7100542	PIPERPA18	7101826	PIPERPA25	7102508
NAMERT6	6400423	NORHST65	6480148	PIPERJ3	7100546	PIPERPA18	7101827	PIPERPA28	7102801
NAMERT6	6400424	NORHST65	6480154	PIPERJ3	7100550	PIPERPA18	7101828	PIPERPA28	7102802
NAMERT6	6400425	PIPER600	6480154	PIPERJ3	7100552	PIPERPA18	7101829	PIPERPA28	7102803
NAMERT6	6400426	PIPER600	1710602	PIPERJ3	7101102	PIPERPA18	7101831	PIPERPA28	7102804
NAMERT6	6400429	PIPER600	1710606	PIPERJ3	7101104	PIPERPA18	7101832	PIPERPA28	7102805
NAMERT6	6400432	PIPER600	7106001	PIPERJ3	7101106	PIPERPA18	7101834	PIPERPA28	7102806
NAMERT6	6400433	PIPER600	8360602	PIPERJ3	7101107	PIPERPA18	7101835	PIPERPA28	7102807
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NAMERT6	6400436	PIPER600	8360606	PIPERJ4	7100604	PIPERPA18	7101838	PIPERPA28	7102810
NAMERT6	6400437	PIPER602	8360608	PIPERJ4	7100605	PIPERPA18	7101902	PIPERPA28	7102811
NAMERT6	6400438	PIPER602	7106012	PIPERJ4	7100606	PIPERPA20	7101904	PIPERPA28	7102813
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NAVIONNAVION	6150106	PIPERJ3	7100439	PIPERJ5	7100702	PIPERPA20	7102016	PIPERPA28	7102817
NAVIONNAVION	6150108	PIPERJ3	710050A	PIPERJ5	7100703	PIPERPA22	7102204	PIPERPA28	7102818
NAVIONNAVION	6150110	PIPERJ3	7100508	PIPERJ5	7100706	PIPERPA22	7102208	PIPERPA28	7102819
NAVIONNAVION	6150112	PIPERJ3	710050D	PIPERJ5	7100708	PIPERPA22	7102212	PIPERPA28	7102820
NAVIONNAVION	6150114	PIPERJ3	7100512	PIPERJ5	7100712	PIPERPA22	7102216	PIPERPA28	7102821
NAVIONNAVION	6150116	PIPERJ3	7100514	PIPERPA14	7101402	PIPERPA22	7102216	PIPERPA28	7102822
NAVIONNAVION	6150118	PIPERJ3	7100514	PIPERPA15	7101502	PIPERPA22	7102205	PIPERPA30	7103002
NAVIONNAVION	6150120	PIPERJ3	7100516	PIPERPA16	7101602	PIPERPA22	7102206	PIPERPA30	7103003
NAVIONNAVION	6150122	PIPERJ3	7100517	PIPERPA17	7101702	PIPERPA22	7102207	PIPERPA30	7103902
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NAVIONNAVION	6150132	PIPERJ3	7100519	PIPERPA18	7101803	PIPERPA22	7102214	PIPERPA31	7103120
NAVIONNAVION	6150134	PIPERJ3	7100519	PIPERPA18	7101804	PIPERPA23	7102302	PIPERPA31	7103103
NAVIONNAVION	6150136	PIPERJ3	710051C	PIPERPA18	7101806	PIPERPA23	7102303	PIPERPA31	7103105
NAVIONNAVION	6150140	PIPERJ3	710051B	PIPERPA18	7101808	PIPERPA23	7102304	PIPERPA31	7103110
NAVIONNAVION	6150142	PIPERJ3	710051D	PIPERPA18	7101809	PIPERPA23	7102305	PIPERPA31	7103111
NAVIONNAVION	6150148	PIPERJ3	7100520	PIPERPA18	7101812	PIPERPA23	7102306	PIPERPA31T	7103124
NAVIONNAVION	6150160	PIPERJ3	7100522	PIPERPA18	7101813	PIPERPA23	7102308	PIPERPA31T	7103126

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
PIPERPA31T	7103127	PIST HEL(12)	056226F	PIST HEL(12)	05624D3	PIST HEL(12)	130014M	PIST HEL(12)	1300613
PIPERPA31T	7103128	PIST HEL(12)	056226L	PIST HEL(12)	05624DW	PIST HEL(12)	130014X	PIST HEL(12)	130070N
PIPERPA32	7103206	PIST HEL(12)	056229D	PIST HEL(12)	05624EP	PIST HEL(12)	130014Y	PIST HEL(12)	130073X
PIPERPA32	7103207	PIST HEL(12)	056229G	PIST HEL(12)	05624F1	PIST HEL(12)	130014Z	PIST HEL(12)	1300753
PIPERPA32	7103209	PIST HEL(12)	056234D	PIST HEL(12)	05624F4	PIST HEL(12)	130015D	PIST HEL(12)	1300758
PIPERPA32	7103211	PIST HEL(12)	056234N	PIST HEL(12)	05624GQ	PIST HEL(12)	130015E	PIST HEL(12)	130079K
PIPERPA32	7103212	PIST HEL(12)	0562381	PIST HEL(12)	05624GT	PIST HEL(12)	130015H	PIST HEL(12)	130079T
PIPERPA32	7103213	PIST HEL(12)	0562384	PIST HEL(12)	05624H7	PIST HEL(12)	130015Q	PIST HEL(12)	13007AN
PIPERPA32	7103214	PIST HEL(12)	0562389	PIST HEL(12)	05624JA	PIST HEL(12)	130015R	PIST HEL(12)	13007AV
PIPERPA32	7103215	PIST HEL(12)	05623CE	PIST HEL(12)	05624JN	PIST HEL(12)	130015T	PIST HEL(12)	1300789
PIPERPA32	7103216	PIST HEL(12)	05623DW	PIST HEL(12)	05624KD	PIST HEL(12)	1300164	PIST HEL(12)	13007CA
PIPERPA32	7103218	PIST HEL(12)	05623EV	PIST HEL(12)	1180804	PIST HEL(12)	130016G	PIST HEL(12)	13007CD
PIPERPA32	7103222	PIST HEL(12)	05623G2	PIST HEL(12)	1180806	PIST HEL(12)	130016K	PIST HEL(12)	13007CL
PIPERPA32	7103224	PIST HEL(12)	05623HH	PIST HEL(12)	1181001	PIST HEL(12)	130016P	PIST HEL(12)	13007EH
PIPERPA32	7103245	PIST HEL(12)	05623HL	PIST HEL(12)	1181019	PIST HEL(12)	130016R	PIST HEL(12)	13007G5
PIPERPA34	7103406	PIST HEL(12)	05623HY	PIST HEL(12)	118103H	PIST HEL(12)	130016T	PIST HEL(12)	13007KR
PIPERPA34	7103420	PIST HEL(12)	05623JC	PIST HEL(12)	1181067	PIST HEL(12)	130016V	PIST HEL(12)	13007QT
PIPERPA36	7103610	PIST HEL(12)	05623LZ	PIST HEL(12)	1181306	PIST HEL(12)	130016W	PIST HEL(12)	13007UB
PIPERPA36	7103612	PIST HEL(12)	05623Q1	PIST HEL(12)	118141H	PIST HEL(12)	1300176	PIST HEL(12)	13007JU
PIPERPA36	7103620	PIST HEL(12)	05623QA	PIST HEL(12)	1181585	PIST HEL(12)	130017A	PIST HEL(12)	1300869
PIPERPA38	7103812	PIST HEL(12)	05623RP	PIST HEL(12)	1300116	PIST HEL(12)	130017B	PIST HEL(12)	1300873
PIPERPA42	7104202	PIST HEL(12)	05623RT	PIST HEL(12)	130011S	PIST HEL(12)	130017J	PIST HEL(12)	1300892
PIPERPA42	7104212	PIST HEL(12)	05623RX	PIST HEL(12)	130011U	PIST HEL(12)	130017M	PIST HEL(12)	1300921
PIPERPA42	7104213	PIST HEL(12)	05623SJ	PIST HEL(12)	130011Y	PIST HEL(12)	130017S	PIST HEL(12)	1300924
PIPERPA42	7104225	PIST HEL(12)	05623T2	PIST HEL(12)	1300124	PIST HEL(12)	130017S	PIST HEL(12)	1300966
PIPERPA44	7104402	PIST HEL(12)	05623TV	PIST HEL(12)	1300129	PIST HEL(12)	130017U	PIST HEL(12)	1301008
PIPERPA46	7104404	PIST HEL(12)	05623VU	PIST HEL(12)	130012C	PIST HEL(12)	130017X	PIST HEL(12)	1301020
PIPERPA46	7104605	PIST HEL(12)	05623WU	PIST HEL(12)	130012D	PIST HEL(12)	130017Y	PIST HEL(12)	1301024
PIPERPA46	7104620	PIST HEL(12)	05623W5	PIST HEL(12)	130012G	PIST HEL(12)	130017Z	PIST HEL(12)	1301040
PIST HEL(12)	0440104	PIST HEL(12)	05623W8	PIST HEL(12)	130012H	PIST HEL(12)	130017Z	PIST HEL(12)	1301057
PIST HEL(12)	0560238	PIST HEL(12)	05623WZ	PIST HEL(12)	130012H	PIST HEL(12)	1300180	PIST HEL(12)	1301085
PIST HEL(12)	056028H	PIST HEL(12)	05623Y1	PIST HEL(12)	130012J	PIST HEL(12)	130018A	PIST HEL(12)	1301513
PIST HEL(12)	056028D	PIST HEL(12)	05623Y2	PIST HEL(12)	130012K	PIST HEL(12)	130018B	PIST HEL(12)	1301533
PIST HEL(12)	05602ES	PIST HEL(12)	05623YM	PIST HEL(12)	130012L	PIST HEL(12)	130018H	PIST HEL(12)	1301551
PIST HEL(12)	05602ES	PIST HEL(12)	05623Z2	PIST HEL(12)	130012Z	PIST HEL(12)	1300192	PIST HEL(12)	1301563
PIST HEL(12)	05602XY	PIST HEL(12)	05624A2	PIST HEL(12)	1300135	PIST HEL(12)	130019F	PIST HEL(12)	1301564
PIST HEL(12)	056133N	PIST HEL(12)	05624A6	PIST HEL(12)	130013D	PIST HEL(12)	130019L	PIST HEL(12)	1301564
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PIST HEL(12)	056224N	PIST HEL(12)	05624CJ	PIST HEL(12)	130013K	PIST HEL(12)	1300508	PIST HEL(12)	1301580
PIST HEL(12)	056224V	PIST HEL(12)	05624CM	PIST HEL(12)	130013S	PIST HEL(12)	1300601	PIST HEL(12)	1301587
PIST HEL(12)	056224V	PIST HEL(12)	05624CU	PIST HEL(12)	130014G	PIST HEL(12)	1300602	PIST HEL(12)	1301593
PIST HEL(12)	056224V	PIST HEL(12)	05624CU	PIST HEL(12)	130014G	PIST HEL(12)	1300607	PIST HEL(12)	1301594
PIST HEL(12)	056224V	PIST HEL(12)	05624CU	PIST HEL(12)	130014G	PIST HEL(12)	1300609	PIST HEL(12)	1301595

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
PIST HEL(12)	13021GK	PIST HEL(12)	13021RZ	PIST HEL(12)	13025AM	PIST HEL(12)	13025GP	PIST HEL(12)	1302765
PIST HEL(12)	13021GQ	PIST HEL(12)	13021S5	PIST HEL(12)	13025AP	PIST HEL(12)	13025GR	PIST HEL(12)	1302766
PIST HEL(12)	13021HK	PIST HEL(12)	13021S7	PIST HEL(12)	13025AS	PIST HEL(12)	13025GV	PIST HEL(12)	1302772
PIST HEL(12)	13021HP	PIST HEL(12)	13021SC	PIST HEL(12)	13025AV	PIST HEL(12)	13025GX	PIST HEL(12)	1302777
PIST HEL(12)	13021JB	PIST HEL(12)	13021SG	PIST HEL(12)	13025AZ	PIST HEL(12)	13025GY	PIST HEL(12)	1302785
PIST HEL(12)	13021JC	PIST HEL(12)	13021SJ	PIST HEL(12)	13025B5	PIST HEL(12)	13025H1	PIST HEL(12)	1302796
PIST HEL(12)	13021JD	PIST HEL(12)	13021T4	PIST HEL(12)	13025BD	PIST HEL(12)	13025H4	PIST HEL(12)	13027A3
PIST HEL(12)	13021JK	PIST HEL(12)	13021T5	PIST HEL(12)	13025BM	PIST HEL(12)	13025K3	PIST HEL(12)	13027A6
PIST HEL(12)	13021KS	PIST HEL(12)	13021U1	PIST HEL(12)	13025BN	PIST HEL(12)	13025K9	PIST HEL(12)	13027A9
PIST HEL(12)	13021KW	PIST HEL(12)	13021U6	PIST HEL(12)	13025C1	PIST HEL(12)	13025L6	PIST HEL(12)	13027B1
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PIST HEL(12)	13021LC	PIST HEL(12)	13021Y2	PIST HEL(12)	13025CA	PIST HEL(12)	13025M7	PIST HEL(12)	13027B7
PIST HEL(12)	13021LD	PIST HEL(12)	13021ZA	PIST HEL(12)	13025CE	PIST HEL(12)	13025M7	PIST HEL(12)	13027B7
PIST HEL(12)	13021LK	PIST HEL(12)	13021ZF	PIST HEL(12)	13025CH	PIST HEL(12)	13025M7	PIST HEL(12)	13027C1
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PIST HEL(12)	13021M1	PIST HEL(12)	13021ZJ	PIST HEL(12)	13025GP	PIST HEL(12)	13025N4	PIST HEL(12)	13027C4
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PIST HEL(12)	13021MN	PIST HEL(12)	13021ZP	PIST HEL(12)	13025D2	PIST HEL(12)	13025N2	PIST HEL(12)	13027C9
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PIST HEL(12)	13021PW	PIST HEL(12)	13024H2	PIST HEL(12)	13025EU	PIST HEL(12)	13025Y8	PIST HEL(12)	13027FV
PIST HEL(12)	13021Q4	PIST HEL(12)	13024Z5	PIST HEL(12)	13025EV	PIST HEL(12)	13026G3	PIST HEL(12)	13027GA
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PIST HEL(12)	13021QK	PIST HEL(12)	13025H6	PIST HEL(12)	13025FC	PIST HEL(12)	13026G2	PIST HEL(12)	13027GQ
PIST HEL(12)	13021QN	PIST HEL(12)	13025S9	PIST HEL(12)	13025FC	PIST HEL(12)	13026G2	PIST HEL(12)	13027GW
PIST HEL(12)	13021QP	PIST HEL(12)	13025S4	PIST HEL(12)	13025FY	PIST HEL(12)	13027G3	PIST HEL(12)	13027HK
PIST HEL(12)	13021QS	PIST HEL(12)	13025S4	PIST HEL(12)	13025G5	PIST HEL(12)	13027G3	PIST HEL(12)	13027HQ
PIST HEL(12)	13021QT	PIST HEL(12)	13025S6	PIST HEL(12)	13025GA	PIST HEL(12)	13027G7	PIST HEL(12)	13027HU
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PIST HEL(12)	13021RE	PIST HEL(12)	13025S2	PIST HEL(12)	13025GG	PIST HEL(12)	13027K6	PIST HEL(12)	13027JG
PIST HEL(12)	13021RF	PIST HEL(12)	13025S8	PIST HEL(12)	13025GK	PIST HEL(12)	1302747	PIST HEL(12)	13027JK
PIST HEL(12)	13021RP	PIST HEL(12)	13025AC	PIST HEL(12)	13025GL	PIST HEL(12)	1302751	PIST HEL(12)	13027JL
PIST HEL(12)	13021RW	PIST HEL(12)	13025AE	PIST HEL(12)	13025GN	PIST HEL(12)	1302762	PIST HEL(12)	13027JP

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
PIST HEL(12)	13027JZ	PIST HEL(12)	4360801	PIST HEL(12)	8930107	RKHELLNA265	6402612	SNIAS350	8680950		
PIST HEL(12)	13027KF	PIST HEL(12)	4361001	PIST HEL(12)	9420102	RKHELLNA265	6402614	SNIAS350	8680951		
PIST HEL(12)	13027KQ	PIST HEL(12)	4361101	PIST HEL(12)	95708CL	RKHELLNA265	6402618	SNIAS350	8680955		
PIST HEL(12)	13027KS	PIST HEL(12)	4361301	PIST HEL(12)	95708DD	RKHELLNA265	7630101	SOCATATB10	8680696		
PIST HEL(12)	13027KY	PIST HEL(12)	4361501	PIST OTHR(5)	0350406	RKHELLNA265	7630104	SOCATATB20	8680695		
PIST HEL(12)	13027LA	PIST HEL(12)	4362305	PIST OTHR(5)	05613ZG	RKHELLNA265	7630106	SOCATATB20	8680697		
PIST HEL(12)	13027LB	PIST HEL(12)	4362402	PIST OTHR(5)	1380202	RKHELLNA265	7630107	SOCATATB20	8680750		
PIST HEL(12)	13027LD	PIST HEL(12)	4800702	PIST OTHR(5)	1380203	RKHELLNA265	7630108	STNSON10	8632002		
PIST HEL(12)	13027LG	PIST HEL(12)	4800708	PIST OTHR(5)	1380204	RKHELLNA265	7630704	STNSON10	8632004		
PIST HEL(12)	13027LK	PIST HEL(12)	4800802	PIST OTHR(5)	1520203	ROBSINR22	7640102	STNSON10	8632102		
PIST HEL(12)	13027LL	PIST HEL(12)	4800805	PIST OTHR(5)	1520208	ROBSINR22	7640104	STNSON10	8632104		
PIST HEL(12)	13027LM	PIST HEL(12)	4850112	PIST OTHR(5)	2420804	ROBSINR22	7640110	STNSONL5	8630202		
PIST HEL(12)	13027LN	PIST HEL(12)	5500604	PIST OTHR(5)	2421102	ROBSINR22	7640115	STNSONL5	8630203		
PIST HEL(12)	13027LR	PIST HEL(12)	5500605	PIST OTHR(5)	2422105	SCHZERG164	3952704	STNSONL5	8630204		
PIST HEL(12)	13027LT	PIST HEL(12)	6980320	PIST OTHR(5)	2800503	SCHZERG164	3952801	STNSONL5	8630206		
PIST HEL(12)	13027LV	PIST HEL(12)	7180902	PIST OTHR(5)	2800506	SCHZERG164	3960201	STNSONL5	8630210		
PIST HEL(12)	13027LW	PIST HEL(12)	7640120	PIST OTHR(5)	2800508	SCHZERG164	3960202	STNSONL5	8630212		
PIST HEL(12)	13027MA	PIST HEL(12)	8059500	PIST OTHR(5)	3021506	SCHZERG164	3960203	STNSONL5	8630213		
PIST HEL(12)	13027MC	PIST HEL(12)	8059503	PIST OTHR(5)	3021510	SCHZERG164	3979904	STNSONL5	8630214		
PIST HEL(12)	13027MD	PIST HEL(12)	8140102	PIST OTHR(5)	3021516	SCHZERG164	3979908	STNSONL5	8630216		
PIST HEL(12)	1302815	PIST HEL(12)	8141102	PIST OTHR(5)	3021522	SCHZERG164	8059055	STNSONV77	8631802		
PIST HEL(12)	1302816	PIST HEL(12)	8141308	PIST OTHR(5)	3021524	SKRSKY558	8141801	STNSONV77	8631804		
PIST HEL(12)	1302818	PIST HEL(12)	8141602	PIST OTHR(5)	3021528	SKRSKY558	8141804	STNSONV77	8631805		
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PIST HEL(12)	1304406	PIST HEL(12)	8141606	PIST OTHR(5)	3021536	SKRSKY558	8141811	STOLAMRC3	3080203		
PIST HEL(12)	1440602	PIST HEL(12)	8141608	PIST OTHR(5)	3021706	SKRSKY558	8141814	STOLAMRC3	3080204		
PIST HEL(12)	2390101	PIST HEL(12)	8141609	PIST OTHR(5)	3021712	SKRSKY558	8141815	STOLAMRC3	3080206		
PIST HEL(12)	2390202	PIST HEL(12)	8141610	PIST OTHR(5)	3372220	SKRSKY558	8141821	SWRNGNSA226	3377514		
PIST HEL(12)	2390204	PIST HEL(12)	8141614	PIST OTHR(5)	3590104	SKRSKY576	8141839	SWRNGNSA226	3377515		
PIST HEL(12)	2390205	PIST HEL(12)	8141616	PIST OTHR(5)	3590204	SKRSKY576	8143006	SWRNGNSA226	8780122		
PIST HEL(12)	2390301	PIST HEL(12)	8141616	PIST OTHR(5)	5262003	SKRSKY576	8143007	SWRNGNSA226	8780405		
PIST HEL(12)	2390302	PIST HEL(12)	8141617	PIST OTHR(5)	5262104	SKRSKY576	8143008	SWRNGNSA226	8780406		
PIST HEL(12)	2390304	PIST HEL(12)	8141618	PIST OTHR(5)	5262118	SLINDS100	8143011	SWRNGNSA226	3377516		
PIST HEL(12)	3027376	PIST HEL(12)	8141616	PIST OTHR(5)	5262121	SLINDS100	0140202	SWRNGNSA226	8780404		
PIST HEL(12)	3740000	PIST HEL(12)	814161J	PIST OTHR(5)	5262135	SLINDS100	0140203	SWRNGNSA226	8780400		
PIST HEL(12)	4360109	PIST HEL(12)	8141810	PIST OTHR(5)	5262140	SLINDS100	0140208	SWRNGNSA227	3377509		
PIST HEL(12)	4360111	PIST HEL(12)	8141813	PIST OTHR(5)	5262511	SNIAS350	8680800	SWRNGNSA227	3377510		
PIST HEL(12)	4360123	PIST HEL(12)	8141817	PIST OTHR(5)	8100102	SNIAS350	8680801	SWRNGNSA227	8780603		
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PIST HEL(12)	4360702	PIST HEL(12)	8142302	PIST OTHR(5)	8630904	SNIAS350	8680811	SWRNGNSA26	8780102		
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TCRAFTD	8850404	TJT OTHR(11)	05618F9	TJT OTHR(11)	5400109	UNIVAR108	9230408	WACO	9600301
TCRAFTD	8850408	TJT OTHR(11)	05618NU	TJT OTHR(11)	6401702	UNIVAR108	9230412	WACO	9600302
TCRAFTD	8850409	TJT OTHR(11)	05618YS	TJT OTHR(11)	6401728	UNIVAR108	9230414	WACO	9600306
TCRAFTD	8850410	TJT OTHR(11)	056202V	TJT OTHR(11)	6401805	UNIVAR108	9230416	WACO	9600308
TCRAFTD	8850411	TJT OTHR(11)	056227R	TJT OTHR(11)	6401808	UNIVAR108	9230418	WACO	9600340
TCRAFTD	8850412	TJT OTHR(11)	05623P4	TJT OTHR(11)	6401810	UNIVAR415	0420104	WACO	9600404
TCRAFTD	8850413	TJT OTHR(11)	0564310	TJT OTHR(11)	6401814	UNIVAR415	0420202	WACO	9600408
TCRAFTD	8850414	TJT OTHR(11)	0566901	TJT OTHR(11)	7450002	UNIVAR415	0420204	WACO	9600409
TCRAFTD	8850416	TJT OTHR(11)	1384003	TJT OTHR(11)	7450003	UNIVAR415	0420302	WACO	9600410
TCRAFTD	8850420	TJT OTHR(11)	1384008	TJT OTHR(11)	7570602	UNIVAR415	0420304	WACO	9600411
TCRAFTD	8850448	TJT OTHR(11)	1384017	TJT OTHR(11)	7570622	UNIVAR415	0420306	WACO	9600412
TCRAFT19	8850904	TJT OTHR(11)	138408H	TJT OTHR(11)	7570623	UNIVAR415	0420308	WACO	9600416
TCRAFTBC	8850302	TJT OTHR(11)	1384816	TURB OTHR(9)	1382722	UNIVAR415	0420310	WACO	9600422
TCRAFTBC	8850304	TJT OTHR(11)	1384871	TURB OTHR(9)	1900102	UNIVAR415	0420312	WACO	9600650
TCRAFTBC	8850306	TJT OTHR(11)	1900812	TURB OTHR(9)	3021602	UNIVAR415	0420314	WACO	9600702
TCRAFTBC	8850308	TJT OTHR(11)	2423102	TURB OTHR(9)	5260103	UNIVAR415	0420316	WACO	9600703
TCRAFTBC	8850310	TJT OTHR(11)	2423202	TURB OTHR(9)	5262502	UNIVAR415	0420318	WACO	9601102
TCRAFTBC	8850314	TJT OTHR(11)	2423302	TURB OTHR(9)	5262505	UNIVAR415	0420320	WACO	9601202
TCRAFTBC	8850316	TJT OTHR(11)	2800308	TURB OTHR(9)	5262512	UNIVAR415	0420322	WACO	9601206
TCRAFTBC	8850317	TJT OTHR(11)	3021008	TURB OTHR(9)	5262604	UNIVAR415	0420324	WACO	9601208
TCRAFTBC	8850318	TJT OTHR(11)	3021906	TURB OTHR(9)	5262605	UNIVAR415	0420326	WACO	9601209
TCRAFTBC	8850320	TJT OTHR(11)	3021927	TURB OTHR(9)	5264102	UNIVAR415	0420328	WACO	9601210
TCRAFTBC	8850322	TJT OTHR(11)	302199B	TURB OTHR(9)	5264104	UNIVAR415	0420330	WACO	9601212
TCRAFTBC	8850323	TJT OTHR(11)	3022110	TURB OTHR(9)	526411G	UNIVAR415	0420332	WACO	9601214
TCRAFTBC	8850324	TJT OTHR(11)	3570100	TURB OTHR(9)	526413U	UNIVAR415	0420334	WACO	9601215
TCRAFTBC	9230920	TJT OTHR(11)	3570101	TURB OTHR(9)	526414U	UNIVAR415	0420336	WACO	9601302
TCRAFTBC	9230924	TJT OTHR(11)	4220123	TURB OTHR(9)	526414Y	UNIVAR415	0420402	WACO	9601504
TCRAFTBC	9230928	TJT OTHR(11)	4230307	TURB OTHR(9)	526414Z	UNIVAR415	0420502	WACO	9601602
TCRAFTBL	8850346	TJT OTHR(11)	5260400	TURB OTHR(9)	5269902	UNIVAR415	0420504	WACO	9601604
TCRAFTBL	8850350	TJT OTHR(11)	5260401	TURB OTHR(9)	9470200	UNIVAR415	0420702	WACO	9601606
TCRAFTBL	8850351	TJT OTHR(11)	5260402	TURB OTHR(9)	9470402	UNIVAR415	0420722	WACO	9601608
TCRAFTBL	8850354	TJT OTHR(11)	5260403	TURB OTHR(9)	9470403	UNIVAR415	0540104	WACO	9601610
TCRAFTBL	8850356	TJT OTHR(11)	5260405	TURB OTHR(9)	9470404	UNIVAR415	0540104	WACO	9602202
TH55	4471002	TJT OTHR(11)	5260407	TURB OTHR(9)	95708EA	UNIVAR415	5872014	WACO	9602404
TJT OTHR(11)	056129C	TJT OTHR(11)	5260410	UNIVACGC1	9230102	UNIVAR415	5872018	WACO	9602504
TJT OTHR(11)	056130G	TJT OTHR(11)	5260411	UNIVACGC1	9230104	VARGA2150	5940202	WACO	9600504
TJT OTHR(11)	056163Q	TJT OTHR(11)	5260413	UNIVACGC1	9230106	VARGA2150	5940204	WACO	9600508
TJT OTHR(11)	0561694	TJT OTHR(11)	5260416	UNIVACGC1	9230110	VARGA2150	9350102	WACO	9600510
TJT OTHR(11)	05616F8	TJT OTHR(11)	5260417	UNIVACGC1	9230112	VARGA2150	2240101	WACO	9600602
TJT OTHR(11)	056168Y	TJT OTHR(11)	5264504	UNIVAR108	9230402	WACO	9600102	WACO	9600604
TJT OTHR(11)	056185D	TJT OTHR(11)	5265010	UNIVAR108	9230404	WACO	9600202	WACO	9600608
TJT OTHR(11)	056185R	TJT OTHR(11)	5270102	UNIVAR108	9230406	WACO			

APPENDIX B

AIRCRAFT GROUP NAME
 FAA MANUFACTURER/MODEL CODES
 AIRCRAFT NAME FAA CODE AIRCRAFT NAME FAA CODE AIRCRAFT NAME FAA CODE AIRCRAFT NAME FAA CODE

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AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE	AIRCRAFT NAME	FAA CODE
WACO	9600609						
WACO	9600610						
WACO	9600622						
WACO	9600624						
WACO	9600640						
WACO	9600642						
WACO	9600644						
WACO	9600646						
WACO	9600648						
WACO	9600662						
WACO	9600664						
WACO	9600802						
WACO	9600806						
WACO	9600808						
WACO	9600810						
WACO	9600816						
WACO	9600818						
WACO	9600822						
WACO	9600824						
WACO	9600826						
WACO	9600830						
WACO	9600832						
WACO	9600833						
WACO	9600834						
WACO	9600835						
WACO	9600838						
WACO	9600902						
WACO	9600906						
WACO	9600910						
WACO	9601402						
WACO	9601404						
WACO	9602405						
WTHRLY201	9630404						
WTHRLY201	9630406						
WTHRLY201	9630408						
WTHRLY201	9630410						

APPENDIX C

ENGINE GROUP NAME - FAA MANUFACTURER/MODEL CODES

APPENDIX C

ENGINE GROUP NAME
FAA MANUFACTURER/MODEL CODES

ENG. NAME	FAA CODE	ENG. NAME	FAA CODE	ENG. NAME	FAA CODE	ENG. NAME	FAA CODE
ALLSN 250B	03003	FRKLN4AC171	27005	LYC 0145	41502	PHA R1690	52001
ALLSN 250C	03012	FRKLN4AC176	27006	LYC 0145	41503	PHA R1830	52020
ALLSN 250C	03002	FRKLN4AC176	27007	LYC 0235	41505	PHA R2000	52023
ALLSN 250C	03011	FRKLN4AC199	27008	LYC 0290	41506	PHA R2800	52026
ALLSN 250C	03013	FRKLN4AC199	27009	LYC 0320	41508	PHA R4360	52027
ALLSN 501D	03004	FRKLN4AC199	27010	LYC 0320	41509	PHA R985	52006
ALLSN 501D	03006	FRKLN6A4150	27024	LYC 0340	41510	PHA R985	52007
AMTR 430	19050	FRKLN6A4165	27025	LYC 0360	41514	PHA R985	52008
AMTRMCCULH	42501	FRKLN6A4200	27027	LYC 0360	41515	PHA T34	52055
ARSRCHTPE331	01502	FRKLN6A8215	27030	LYC 0435	41516	ROTXA 277	55555
ARSRCHTSE331	01505	FRKLN6AG4	27026	LYC 0435	41523	RROYCEAVON	54514
BRSDLGIPSY	20003	FRKLN6AV335	27020	LYC 0480	41527	RROYCEAVON	54517
CONT 6285	17038	FRKLN6AV335	27040	LYC 0480	41529	RROYCEDART	54504
CONT 975	17037	FRKLN6AV350	27043	LYC 0540	41532	RROYCEDART	54507
CONT A40	17001	FRKLN6V4	27033	LYC 0540	41533	RROYCEDART	54509
CONT A50	17002	FRKLN6V6245	27036	LYC 0540	41534	RROYCEDART	54513
CONT A65	17003	GARRTTATE3	29002	LYC 0541	41536	RROYCEGIPSY	20005
CONT A75	17005	GARRTTTFE731	01518	LYC 0541	41539	RROYCEGIPSY	20006
CONT A80	17006	GARRTTTFE331	01514	LYC 0720	41546	RROYCEGIPSY	20007
CONT C125	17011	GE CF34	30015	LYC R680	41546	RROYCEGRIF	54501
CONT C145	17012	GE CF6	30018	LYC T53	41549	RROYCEOLMPS	54570
CONT C85	17008	GE CF700	30010	LYC T55	41555	RROYCERB211	54555
CONT C90	17009	GE CJ610	30002	MNASCO4	43504	RROYCESPEY	54519
CONT E165	17013	GE CJ610	30006	NO ENG TYPE	99999	RROYCESPEY	54523
CONT E185	17014	GE CT58	30008	ONAN 18HP	47850	RROYCEVIPER	54550
CONT E225	17015	GE CT58	30011	PCKARDV1650	49001	RROYCEVIPER	54551
CONT O200	17020	GE CT7TP	30030	PIGMANS	37002	RROYCEVIPER	54552
CONT O300	17022	GE TC7TS	30029	PORSCH6784	51001	TMECA ARRIEL	60030
CONT O366	17033	GLADENB5	37501	PHA JFTD12	52047	TMECA ARTST2	60002
CONT O360	17025	GLADENK5	37503	PHA JT12	52042	TMECA ARTST3	60003
CONT O470	17026	GLADENR5	37504	PHA JT15	52060	TMECA ART14	60014
CONT O520	17032	GULF R670	31701	PHA JT15	52112	TMECA AST18	60020
CONT O520	17040	JACOBPR755	35006	PHA JT8	52044	TMECA AST2	60005
CONT O526	17030	JACOBPR755	35007	PHA JT8	52046	TMECA AST2T	60006
CONT R670	17016	JACOBPR755	35008	PHA JT8	52048	TMECA AST3T	60007
DHAVXGIPSY	20004	JACOBSR755	35003	PHA JT8	52053	TMECA BASTAN	60009
ENWA GIV	22000	JACOBSR915	35005	PHA PT6	52043	TMECA MAKILA	60040
FCD 6410	26002	LIMBAH1700	38602	PHA PT6	61501	TMECA MARBOR	60004
FCD 6440	26003	LYC AL5512	41581	PHA PT6	61504	WARNER165	64504
FRKLN4A235	27011	LYC ALF502	41580	PHA PT6	61506	WARNER185	64505
FRKLN4AC150	27002	LYC LTP101	41565	PHA PT6T	52045	WRIGHTJ5	67007
FRKLN4AC150	27003	LYC LTS101	41560	PHA PT6T	61502	WRIGHTOX5	67002
FRKLN4AC150	27004	LYC 0145	41501	PHA R1340	52016	WRIGHTR1300	67060

APPENDIX C

ENGINE GROUP NAME
 FAA MANUFACTURER/MODEL CODES

ENG. NAME	FAA CODE	ENG. NAME	FAA CODE	ENG. NAME	FAA CODE
WRIGHTR1820	67020				
WRIGHTR2600	67050				
WRIGHTR3350	67037				
WRIGHTR3350	67038				
WRIGHTR3350	67040				
WRIGHTR760	67009				
WRIGHTR760	67010				
WRIGHTR760	67011				
WRIGHTR975	67012				
WRIGHTR975	67015				
WSK PZL	67203				
WSK PZL	67204				
XENOAHG72	72000				

APPENDIX D

COMMON ACRONYMS AND GLOSSARY

APPENDIX D

COMMON ACRONYNS AND GLOSSARY

COMMON ACRONYMS

ADF	-	Automatic Direction Finder
APO	-	Office of Aviation Policy, Plans, and Management Analysis
CG	-	Capability Groups
DME	-	Distance Measuring Equipment
DVFR	-	Day Visual Flight Rules
EFIS	-	Electronic Flight Information Systems
FAA	-	Federal Aviation Administration
FAR	-	Federal Aviation Regulations
GA	-	General Aviation
GAA	-	General Aviation Activity
GAAA	-	General Aviation Activity and Avionics
GAATAA	-	General Aviation and Air Taxi Activity and Avionics
GPS	-	Global Positioning System
GPWS	-	Ground Proximity Warning System
GS	-	Glide Slope
HSI	-	Horizontal Situation Indicators
IFR	-	Instrument Flight Rules
ILS	-	Instrument Landing System
IMC	-	Instrument Meteorological Conditions
LRNAV	-	Long Range Navigation Equipment
MLS	-	Microwave Landing System
MSL	-	Mean Sea Level
NAS	-	National Airspace System
RNAV	-	Area Navigation Equipment
PAR	-	Precision Approach Equipment
SDR	-	Service Difficulty Reporting
SFAR-38	-	Special Federal Aviation Regulation 38

- TCA - Traffic Control Airport or Tower Controlled Airport
- TCAS - Traffic Alert and Collision Avoidance System
- VFR - Visual Flight Rules
- VHF - Very High Frequency
- VMC - Visual Meteorological Conditions
- VOR - Very High Frequency Omni-directional Radio Range

GLOSSARY

Active Aircraft--All legally registered civil aircraft which flew one or more hours.

Aerial Application--See Primary Use.

Aerial Observation--See Primary Use.

Air Carriers--The commercial system of air transportation consisting of the certificated air carriers, air taxis (including commuters), supplemental air carriers, commercial operators of large aircraft, and air travel clubs.

Aircraft Type--A term used in this publication in grouping aircraft by basic configuration: fixed wing, rotorcraft, glider, dirigible, and balloon.

Air Taxi--See Primary Use.

Altitude Encoding--(Automatic Altitude Reporting)--An aircraft altitude transmitted via the Mode C transponder feature that is visually displayed in 100 foot increments on the ground radar scope having readout capability.

Area Navigation (RNAV)--A method of using navigation instruments that allows pilots flexibility to fly direct routes between waypoints or offset from published or established routes/airways at specified distance and direction.

Automatic Direction Finder (ADF)--An aircraft radio navigation system which senses and indicates the direction to a nondirectional radio beacon ground transmitter. Direction is indicated to the pilot as a magnetic bearing or as a relative bearing to the longitudinal axis of the aircraft.

Automatic Pilots--The roll, pitch, and yaw axis of an aircraft can be controlled by use of an automatic pilot. Information from VOR, ILS, MLS, and other navigation aids can be coupled to the automatic pilot for en route and approach flights.

Business Transportation--See Primary Use.

Commuter Air Carrier--See Primary Use.

Distance Measuring Equipment (DME)--Airborne and ground equipment used to measure, in nautical miles, the slant range distance of an aircraft from the DME navigational aid.

Executive/Corporate Transportation--See Primary Use.

General Aviation--That portion of civil aviation which encompasses all facets of aviation except air carriers.

Glide Slope--See Instrument Landing System.

Instructional Flying--See Primary Use.

Instrument Flight Rules (IFR)--Rules governing the procedures for conducting instrument flight. Also a term used by pilots and controllers to indicate type of flight plan.

Instrument Landing System (ILS)--A precision instrument approach system which normally consists of the following electronic and visual aids:

- o Localizer--Provides course guidance to the runway.
- o Glide Slope--Provides vertical guidance during approach.
- o Marker Beacon--Provides aural and/or visual identification of a specific position along an instrument approach landing.

Localizer--See Instrument Landing System.

Long Range Navigation (LRNAV)--A method of navigation that permits navigation over long distances. This is in contrast to the relatively short range navigation provided by the VOR system.

Marker Beacon--See Instrument Landing System.

Microwave Landing System (MLS)--An instrument landing system operating in the microwave spectrum which provides lateral and vertical guidance to aircraft having compatible avionics equipment.

Other--See Primary Use.

Other Work Use--See Primary Use.

Personal/Recreation Flying--See Primary Use.

Primary Use--The use category in which an aircraft flew the most hours. The eleven use categories are defined below:

- o Aerial Application--Agriculture, health, forestry, cloud seeding, firefighting, insect control.
- o Aerial Observation--Aerial mapping/photography, survey, patrol, fish spotting, search and rescue, hunting, highway traffic advisory, sightseeing (not FAR Part 135).
- o Air Taxi--FAR Part 135 passenger and cargo operations, excluding commuter air carrier.
- o Business Transportation--Individual use of an aircraft for business transportation.
- o Commuter Air Carrier--Performs, under FAR Part 135, at least five scheduled round trips per week or carries mail.
- o Executive/Corporate Transportation--Company flying with a professional crew.

- o Instructional--Flying under the supervision of a flight instructor (excludes proficiency flying).
- o Other--Experimentation, R&D, testing, government demonstrations, air shows, air racing.
- o Other Work Use--Construction work (not FAR Part 135), helicopter hoist, parachuting, aerial advertising, towing gliders.
- o Personal/Recreation--Flying for personal reasons (excludes business transportation).

Radar Altimeter--Aircraft instrument that makes use of the reflection of radio waves from the ground to determine the height of the aircraft above the surface.

Registered Aircraft--Aircraft registered with the Federal Aviation Administration.

RNAV--See Area Navigation.

Transponder--The airborne radar beacon receiver/transmitter portion of the Air Traffic Control Beacon System that automatically receives radio signals from interrogators on the ground and selectively replies with specific reply pulse-on-pulse group only those interrogations being received on the mode to which it is set to respond. Each aircraft transponder is capable of replying to 4,096 codes as selected by the pilot. Provides the air traffic controller positive location and, in some cases, altitude information.

VFR Flight--Flight conducted in accordance with Visual Flight Rules.

VHF Communications--Provides radio voice communications between aircraft and ground stations, also between aircraft. Very High Frequency (VHF) is limited in angle (line of sight) and usually used for air traffic communications.

VOR--Very high frequency omnidirectional radio range. Used as the basis for navigation in the National Airspace System.

Weather Radar--Provides the flight crew with visual display of weather that could contain turbulence. The system's primary function is to assist in turbulence avoidance, although most airborne radar systems are also capable of terrain mapping.

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