



**FORECASTS OF IFR AIRCRAFT
HANDLED BY FAA AIR ROUTE
TRAFFIC CONTROL CENTERS
FY 2019-2040**

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IFR AIRCRAFT HANDLED BY FAA AIR ROUTE TRAFFIC CONTROL CENTERS

SUMMARY OF RESULTS

This report provides forecasts of Instrument Flight Rule (IFR) aircraft handled by individual Federal Aviation Administration (FAA) Air Route Traffic Control Centers (ARTCC). These forecasts are consistent with the national forecasts reported in *FAA Aerospace Forecasts Fiscal Years 2019-2039*. Final forecasts for the 24 individual centers are the basis for the national forecast. These forecasts serve as a base for the FAA planning and budget process in determining future requirements for facilities, equipment, and manpower. A summary of projected IFR aircraft handled for individual centers is presented on page 4.

Forecasts of the number of IFR aircraft handled (defined as two times IFR departures plus IFR overs), by user group (commercial, general aviation, and military), are presented for each of the 23 centers and Guam. Summary tables are also provided for each of the Air Traffic Organization (ATO) service areas. These tables contain historical data for the period FY 1990 through FY 2018 and forecasts for FY 2019 through FY 2040.

During the 22-year forecast period, the number of aircraft handled is forecast to increase 1.4 percent annually, going from 44.9 million aircraft handled in 2018 to 60.5 million in 2040. The largest increase occurs in the commercial aircraft handled category (air carrier plus air taxi/commuter). This category of aircraft is forecast to increase from 35.7 million aircraft handled in 2018 to 49.9 million in 2040--an average annual growth of 1.5 percent. General aviation aircraft handled are forecast to increase at a rate of 0.8 percent annually, totaling 8.9 million aircraft handled in 2040. Military aircraft handled are forecast to hold steady at 2018 levels and total 1.7 million in 2040.

Total IFR Aircraft Handled at Air Route Traffic Control Centers (Ranked by Growth)

Center	Location Identifier	Actual FY 2018	Forecast FY 2019	FY 2020	FY 2030	FY 2040	Average Annual % Growth (2018-2040)
Fort Worth	ZFW	2,363,877	2,395,492	2,422,302	2,866,757	3,688,533	2.0%
Indianapolis	ZID	2,117,531	2,156,728	2,190,967	2,678,639	3,287,241	2.0%
Chicago	ZAU	2,477,119	2,541,681	2,599,918	3,101,522	3,744,028	1.9%
Jacksonville	ZJX	2,563,215	2,644,631	2,712,253	3,233,336	3,838,871	1.9%
Houston	ZHU	2,325,064	2,344,722	2,370,396	2,820,013	3,457,466	1.8%
Seattle	ZSE	1,252,613	1,282,656	1,308,263	1,533,522	1,850,881	1.8%
Kansas City	ZKC	1,824,270	1,860,314	1,894,857	2,260,084	2,661,038	1.7%
Honolulu	HCF	468,112	477,148	485,258	574,253	678,994	1.7%
Guam	ZUA	262,662	266,869	271,159	319,033	377,309	1.7%
Oakland	ZOA	1,802,863	1,828,854	1,851,514	2,146,900	2,539,776	1.6%
New York	ZNY	2,718,612	2,764,675	2,800,528	3,183,178	3,709,732	1.4%
Miami	ZMA	2,451,898	2,480,622	2,507,023	2,874,105	3,315,214	1.4%
Salt Lake	ZLC	1,469,792	1,488,884	1,503,761	1,700,708	1,955,748	1.3%
Memphis	ZME	2,202,717	2,225,766	2,247,948	2,561,403	2,914,876	1.3%
Atlanta	ZTL	3,177,291	3,211,767	3,235,025	3,583,789	4,181,200	1.3%
Minneapolis	ZMP	2,019,408	2,037,465	2,050,072	2,284,039	2,606,239	1.2%
San Juan	ZSU	289,940	291,521	294,127	322,259	362,979	1.0%
Anchorage	ZAN	639,323	646,658	653,601	719,569	795,993	1.0%
Los Angeles	ZLA	2,308,125	2,295,916	2,289,920	2,492,782	2,862,644	1.0%
Albuquerque	ZAB	1,622,152	1,641,578	1,660,815	1,824,656	2,002,249	1.0%
Denver	ZDV	1,875,544	1,895,190	1,907,771	2,028,314	2,185,139	0.7%
Leesburg	ZDC	2,587,988	2,608,230	2,618,916	2,775,595	2,980,835	0.6%
Cleveland	ZOB	2,459,487	2,455,940	2,447,368	2,536,904	2,756,480	0.5%
Nashua	ZBW	1,600,563	1,611,138	1,614,534	1,646,614	1,734,265	0.4%
Grand Total		44,880,166	45,454,444	45,938,295	52,067,974	60,487,729	1.4%

Forecast Tables by Service Area and Air Route Traffic Control Center

IFR Aircraft Handled By User Category Central Region Service Area (CEOSA)

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	9,744,995	3,578,990	2,245,664	15,569,649
	1991	9,690,095	3,406,391	2,032,516	15,129,002
	1992	9,920,534	3,472,451	1,979,532	15,372,517
	1993	10,374,832	3,509,253	1,868,911	15,752,996
	1994	11,060,086	3,656,415	1,916,787	16,633,288
	1995	11,832,312	3,709,430	1,670,482	17,212,224
	1996	12,181,681	3,693,970	1,515,328	17,390,979
	1997	12,518,027	3,821,216	1,431,016	17,770,259
	1998	12,875,504	3,925,370	1,499,818	18,300,692
	1999	13,702,536	3,961,086	1,492,833	19,156,455
	2000	14,139,691	3,860,067	1,620,455	19,620,213
	2001	13,845,616	3,467,944	1,586,732	18,900,292
	2002	13,460,367	3,499,430	1,480,485	18,440,282
	2003	13,505,343	3,396,901	1,464,929	18,367,173
	2004	14,200,647	3,516,573	1,490,934	19,208,154
	2005	14,373,406	3,481,356	1,375,092	19,229,854
	2006	13,760,295	3,400,773	1,400,476	18,561,544
	2007	13,907,621	3,401,836	1,293,165	18,602,622
	2008	13,410,902	3,136,495	1,262,585	17,809,982
	2009	11,698,974	2,573,466	1,152,788	15,425,228
	2010	11,611,039	2,662,708	1,182,148	15,455,895
	2011	12,137,328	2,667,031	847,297	15,651,656
	2012	12,143,401	2,678,867	675,450	15,497,718
	2013	11,776,948	2,675,457	601,130	15,053,535
	2014	12,459,730	2,916,683	674,846	16,051,259
	2015	12,537,000	2,946,987	678,813	16,162,800
	2016	12,888,285	3,033,769	693,991	16,616,045
	2017	13,058,964	3,064,856	677,568	16,801,388
	2018	13,520,900	3,032,970	655,038	17,208,908
Forecast	2019	13,723,781	3,055,101	655,038	17,433,920

**IFR Aircraft Handled By User Category
Central Region Service Area (CEOSA)**

2020	13,904,352	3,077,305	655,038	17,636,695
2021	14,044,369	3,096,440	655,038	17,795,846
2022	14,153,125	3,115,204	655,038	17,923,366
2023	14,322,679	3,142,168	655,038	18,119,886
2024	14,557,435	3,177,922	655,038	18,390,394
2025	14,818,010	3,218,555	655,038	18,691,603
2026	15,092,606	3,261,563	655,038	19,009,208
2027	15,374,502	3,306,641	655,038	19,336,180
2028	15,664,402	3,353,704	655,038	19,673,144
2029	15,961,808	3,402,670	655,038	20,019,516
2030	16,264,566	3,453,008	655,038	20,372,614
2031	16,570,601	3,504,497	655,038	20,730,135
2032	16,879,064	3,556,814	655,038	21,090,915
2033	17,189,145	3,609,712	655,038	21,453,896
2034	17,506,688	3,663,889	655,038	21,825,614
2035	17,831,824	3,719,399	655,038	22,206,261
2036	18,164,229	3,775,976	655,038	22,595,245
2037	18,499,368	3,833,216	655,038	22,987,623
2038	18,839,487	3,891,275	655,038	23,385,801
2039	19,185,789	3,950,273	655,038	23,791,099
2040	19,538,019	4,010,217	655,038	24,203,274

**Average Annual
Growth (2018-40)**

1.7%	1.3%	0.0%	1.6%
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IFR Aircraft Handled By User Category

ZAB - Albuquerque, New Mexico ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	826,386	184,458	488,460	1,499,304
	1991	829,995	180,006	422,372	1,432,373
	1992	839,665	187,445	333,344	1,360,454
	1993	897,038	199,507	265,418	1,361,963
	1994	933,308	200,020	268,871	1,402,199
	1995	1,015,292	201,361	256,600	1,473,253
	1996	1,060,395	192,395	246,808	1,499,598
	1997	1,102,590	209,179	231,600	1,543,369
	1998	1,284,999	246,639	235,767	1,767,405
	1999	1,520,054	288,894	249,625	2,058,573
	2000	1,586,876	284,188	257,836	2,128,900
	2001	1,321,752	244,197	238,120	1,804,069
	2002	1,258,639	250,559	230,900	1,740,098
	2003	1,208,600	238,701	247,350	1,694,651
	2004	1,279,211	252,139	224,557	1,755,907
	2005	1,300,681	266,600	208,665	1,775,946
	2006	1,276,566	262,844	185,785	1,725,195
	2007	1,287,177	274,730	181,151	1,743,058
	2008	1,247,681	262,778	170,932	1,681,391
	2009	1,089,106	215,957	149,111	1,454,174
2010	1,083,629	226,669	149,147	1,459,445	
2011	1,141,837	223,176	118,738	1,483,751	
2012	1,134,914	218,099	97,818	1,450,831	
2013	1,082,065	214,493	81,737	1,378,295	
2014	1,146,439	228,622	89,710	1,464,771	
2015	1,188,170	234,160	95,672	1,518,002	
2016	1,231,318	238,158	95,171	1,564,647	
2017	1,237,246	241,156	87,738	1,566,140	
2018	1,290,762	244,148	87,242	1,622,152	
Forecast	2019	1,307,540	246,796	87,242	1,641,578
	2020	1,324,007	249,566	87,242	1,660,815
	2021	1,339,392	252,213	87,242	1,678,846
	2022	1,354,242	254,764	87,242	1,696,248
	2023	1,368,136	257,169	87,242	1,712,547
	2024	1,381,427	259,465	87,242	1,728,134

IFR Aircraft Handled By User Category

ZAB - Albuquerque, New Mexico ARTCC

2025	1,394,561	261,700	87,242	1,743,503
2026	1,407,833	263,942	87,242	1,759,017
2027	1,421,366	266,222	87,242	1,774,830
2028	1,435,289	268,562	87,242	1,791,092
2029	1,449,556	270,960	87,242	1,807,758
2030	1,464,017	273,397	87,242	1,824,656
2031	1,478,543	275,849	87,242	1,841,634
2032	1,493,037	278,301	87,242	1,858,580
2033	1,507,422	280,738	87,242	1,875,402
2034	1,522,176	283,223	87,242	1,892,640
2035	1,537,344	285,773	87,242	1,910,359
2036	1,552,753	288,369	87,242	1,928,365
2037	1,568,189	290,978	87,242	1,946,409
2038	1,583,829	293,618	87,242	1,964,689
2039	1,599,768	296,304	87,242	1,983,314
2040	1,615,972	299,035	87,242	2,002,249
Average Annual Growth (2018-40)	1.0%	0.9%	0.0%	1.0%

**IFR Aircraft Handled By User Category
ZAU - Chicago, Illinois ARTCC**

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,811,205	633,424	138,951	2,583,580
	1991	1,887,707	610,293	95,611	2,593,611
	1992	1,821,709	619,373	101,504	2,542,586
	1993	1,881,255	630,358	118,825	2,630,438
	1994	1,957,719	666,558	188,110	2,812,387
	1995	2,121,150	678,944	93,636	2,893,730
	1996	2,132,979	660,868	80,374	2,874,221
	1997	2,092,633	682,719	80,025	2,855,377
	1998	2,039,316	656,045	88,730	2,784,091
	1999	2,128,248	641,735	80,646	2,850,629
	2000	2,191,497	629,988	102,903	2,924,388
	2001	2,178,265	558,659	124,610	2,861,534
	2002	2,123,662	561,340	133,252	2,818,254
	2003	2,155,076	536,257	146,282	2,837,615
	2004	2,271,095	546,117	167,580	2,984,792
	2005	2,340,534	534,068	61,175	2,935,777
	2006	2,235,108	519,097	93,878	2,848,083
	2007	2,201,171	505,379	127,510	2,834,060
	2008	2,087,909	441,539	135,403	2,664,851
	2009	1,869,057	350,124	117,364	2,336,545
2010	1,892,302	364,748	130,085	2,387,135	
2011	2,002,373	360,480	57,718	2,420,571	
2012	2,000,804	358,669	28,486	2,387,959	
2013	1,839,341	350,381	18,715	2,208,437	
2014	1,933,861	354,228	18,756	2,306,845	
2015	1,888,407	352,310	18,007	2,258,724	
2016	1,979,327	398,016	20,129	2,397,472	
2017	2,008,702	394,766	19,389	2,422,857	
2018	2,074,471	383,472	19,176	2,477,119	
Forecast	2019	2,135,831	386,873	19,176	2,541,681
	2020	2,189,439	391,304	19,176	2,599,918
	2021	2,227,041	396,768	19,176	2,642,985
	2022	2,237,728	402,279	19,176	2,659,183
	2023	2,264,220	408,239	19,176	2,691,636
	2024	2,310,362	415,100	19,176	2,744,638
	2025	2,361,459	422,249	19,176	2,802,884

**IFR Aircraft Handled By User Category
ZAU - Chicago, Illinois ARTCC**

2026	2,411,738	429,747	19,176	2,860,661
2027	2,462,429	437,556	19,176	2,919,160
2028	2,514,174	445,662	19,176	2,979,012
2029	2,566,928	454,054	19,176	3,040,158
2030	2,619,653	462,693	19,176	3,101,522
2031	2,672,380	471,549	19,176	3,163,104
2032	2,724,914	480,059	19,176	3,224,680
2033	2,777,006	489,786	19,176	3,285,968
2034	2,830,484	499,155	19,176	3,348,815
2035	2,885,269	508,716	19,176	3,413,161
2036	2,940,677	518,463	19,176	3,478,316
2037	2,995,878	528,370	19,176	3,543,424
2038	3,051,709	538,438	19,176	3,609,323
2039	3,108,421	548,675	19,176	3,676,272
2040	3,165,771	559,081	19,176	3,744,028
Average Annual Growth (2018-40)	1.9%	1.7%	0.0%	1.9%

**IFR Aircraft Handled By User Category
ZFW - Fort Worth, Texas ARTCC**

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,198,004	364,609	388,943	1,951,556
	1991	1,189,392	354,629	367,586	1,911,607
	1992	1,238,684	354,958	383,670	1,977,312
	1993	1,336,476	353,700	334,370	2,024,546
	1994	1,418,768	356,912	296,168	2,071,848
	1995	1,513,269	363,115	255,341	2,131,725
	1996	1,512,505	360,977	248,309	2,121,791
	1997	1,507,721	371,518	232,755	2,111,994
	1998	1,532,085	382,611	251,237	2,165,933
	1999	1,549,631	385,372	241,881	2,176,884
	2000	1,610,925	370,220	250,920	2,232,065
	2001	1,575,651	348,797	249,304	2,173,752
	2002	1,477,045	370,614	245,677	2,093,336
	2003	1,516,083	366,225	231,082	2,113,390
	2004	1,589,125	386,138	241,191	2,216,454
	2005	1,533,825	383,395	233,495	2,150,715
	2006	1,512,037	388,683	243,723	2,144,443
	2007	1,554,215	401,510	217,214	2,172,939
	2008	1,517,443	385,018	209,677	2,112,138
	2009	1,367,241	334,630	208,824	1,910,695
2010	1,385,628	347,898	210,342	1,943,868	
2011	1,429,761	361,645	168,441	1,959,847	
2012	1,445,567	369,846	150,425	1,965,838	
2013	1,486,941	375,817	144,960	2,007,718	
2014	1,587,710	440,409	171,476	2,199,595	
2015	1,653,079	448,502	171,884	2,273,465	
2016	1,677,260	445,119	176,872	2,299,251	
2017	1,672,790	460,548	175,268	2,308,606	
2018	1,737,679	468,099	158,099	2,363,877	
Forecast	2019	1,765,962	471,431	158,099	2,395,492
	2020	1,791,300	472,903	158,099	2,422,302
	2021	1,817,610	473,531	158,099	2,449,239
	2022	1,846,488	474,133	158,099	2,478,720
	2023	1,878,916	475,289	158,099	2,512,304
	2024	1,915,221	477,322	158,099	2,550,641
	2025	1,954,661	480,231	158,099	2,592,991

**IFR Aircraft Handled By User Category
ZFW - Fort Worth, Texas ARTCC**

2026	1,997,314	484,001	158,099	2,639,414
2027	2,043,118	488,588	158,099	2,689,805
2028	2,092,412	493,999	158,099	2,744,510
2029	2,145,426	500,249	158,099	2,803,774
2030	2,201,456	507,202	158,099	2,866,757
2031	2,259,552	514,781	158,099	2,932,431
2032	2,320,427	522,890	158,099	3,001,416
2033	2,383,985	531,451	158,099	3,073,534
2034	2,451,233	540,573	158,099	3,149,904
2035	2,522,103	550,272	158,099	3,230,474
2036	2,596,278	560,488	158,099	3,314,865
2037	2,673,432	571,122	158,099	3,402,653
2038	2,753,767	582,150	158,099	3,494,016
2039	2,837,584	593,590	158,099	3,589,273
2040	2,924,986	605,448	158,099	3,688,533
Average Annual Growth (2018-40)	2.4%	1.2%	0.0%	2.0%

**IFR Aircraft Handled By User Category
ZHU - Houston, Texas ARTCC**

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	870,824	401,354	444,454	1,716,632
	1991	878,058	378,812	407,039	1,663,909
	1992	869,917	380,282	411,108	1,661,307
	1993	929,219	398,093	398,943	1,726,255
	1994	997,101	414,122	437,178	1,848,401
	1995	1,077,695	405,884	400,097	1,883,676
	1996	1,069,740	400,567	423,977	1,894,284
	1997	1,099,142	434,532	423,934	1,957,608
	1998	1,136,798	431,085	436,136	2,004,019
	1999	1,187,314	439,558	411,411	2,038,283
	2000	1,225,246	429,285	423,117	2,077,648
	2001	1,256,450	411,350	393,587	2,061,387
	2002	1,287,174	416,142	265,012	1,968,328
	2003	1,307,055	418,441	247,813	1,973,309
	2004	1,399,806	439,073	257,706	2,096,585
	2005	1,447,155	439,640	259,954	2,146,749
	2006	1,435,860	433,032	239,347	2,108,239
	2007	1,550,121	452,211	202,802	2,205,134
	2008	1,551,778	438,950	197,575	2,188,303
	2009	1,389,277	376,766	201,214	1,967,257
2010	1,398,123	394,599	189,181	1,981,903	
2011	1,434,692	397,934	172,961	2,005,587	
2012	1,455,243	398,524	163,066	2,016,833	
2013	1,418,878	400,317	161,052	1,980,247	
2014	1,561,752	450,247	195,792	2,207,791	
2015	1,592,516	455,105	193,512	2,241,133	
2016	1,587,741	458,953	204,143	2,250,837	
2017	1,578,620	470,515	201,605	2,250,740	
2018	1,652,493	467,566	205,005	2,325,064	
Forecast	2019	1,666,789	472,928	205,005	2,344,722
	2020	1,685,719	479,672	205,005	2,370,396
	2021	1,705,524	486,685	205,005	2,397,214
	2022	1,725,582	493,782	205,005	2,424,369
	2023	1,748,608	501,770	205,005	2,455,383
	2024	1,776,005	511,070	205,005	2,492,080

**IFR Aircraft Handled By User Category
ZHU - Houston, Texas ARTCC**

2025	1,811,700	522,854	205,005	2,539,558
2026	1,850,917	535,392	205,005	2,591,314
2027	1,891,994	548,488	205,005	2,645,487
2028	1,934,774	562,097	205,005	2,701,876
2029	1,979,099	576,171	205,005	2,760,275
2030	2,024,452	590,556	205,005	2,820,013
2031	2,070,568	605,173	205,005	2,880,747
2032	2,117,142	619,933	205,005	2,942,079
2033	2,163,760	634,760	205,005	3,003,689
2034	2,211,352	649,785	205,005	3,066,142
2035	2,259,578	665,053	205,005	3,129,636
2036	2,308,481	680,529	205,005	3,194,015
2037	2,357,825	696,142	205,005	3,258,972
2038	2,407,536	711,870	205,005	3,324,411
2039	2,457,762	727,757	205,005	3,390,524
2040	2,508,621	743,840	205,005	3,457,466
Average Annual Growth (2018-40)	1.9%	2.1%	0.0%	1.8%

IFR Aircraft Handled By User Category
ZID - Indianapolis, Indiana ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,362,441	472,512	149,354	1,984,307
	1991	1,270,573	450,979	137,398	1,858,950
	1992	1,301,060	465,253	147,510	1,913,823
	1993	1,312,832	459,492	145,221	1,917,545
	1994	1,441,206	498,716	181,694	2,121,616
	1995	1,543,004	485,987	119,365	2,148,356
	1996	1,574,129	494,355	97,134	2,165,618
	1997	1,713,001	529,988	103,469	2,346,458
	1998	1,749,070	542,615	113,838	2,405,523
	1999	1,949,695	549,574	104,694	2,603,963
	2000	2,040,660	540,439	115,181	2,696,280
	2001	2,005,894	475,485	118,300	2,599,679
	2002	2,053,694	471,623	124,858	2,650,175
	2003	2,101,239	456,081	120,272	2,677,592
	2004	2,271,502	471,546	115,190	2,858,238
	2005	2,282,601	454,717	174,680	2,911,998
	2006	2,124,472	442,021	148,715	2,715,208
	2007	2,178,555	424,213	89,982	2,692,750
	2008	2,089,363	388,847	91,161	2,569,371
2009	1,624,820	307,771	76,029	2,008,620	
2010	1,559,420	315,292	77,650	1,952,362	
2011	1,598,413	317,154	52,026	1,967,593	
2012	1,580,741	315,470	40,515	1,936,726	
2013	1,518,424	319,468	34,507	1,872,399	
2014	1,565,807	338,420	34,245	1,938,472	
2015	1,579,204	340,110	34,020	1,953,334	
2016	1,635,730	353,000	34,568	2,023,298	
2017	1,678,884	355,534	33,878	2,068,296	
2018	1,738,910	346,254	32,367	2,117,531	
Forecast	2019	1,771,578	352,784	32,367	2,156,728
	2020	1,779,484	359,115	32,367	2,190,967
	2021	1,820,870	364,114	32,367	2,217,351
	2022	1,840,413	368,950	32,367	2,241,729
	2023	1,869,914	376,262	32,367	2,278,543
	2024	1,909,836	385,728	32,367	2,327,931
	2025	1,953,066	395,641	32,367	2,381,074

IFR Aircraft Handled By User Category
ZID - Indianapolis, Indiana ARTCC

2026	2,001,388	405,709	32,367	2,439,464
2027	2,050,359	415,902	32,367	2,498,628
2028	2,099,741	426,184	32,367	2,558,292
2029	2,149,485	436,551	32,367	2,618,402
2030	2,199,330	446,942	32,367	2,678,639
2031	2,249,194	457,439	32,367	2,738,909
2032	2,298,915	467,735	32,367	2,799,017
2033	2,348,427	478,090	32,367	2,858,883
2034	2,398,273	488,546	32,367	2,919,188
2035	2,448,652	499,106	32,367	2,980,124
2036	2,499,231	509,709	32,367	3,041,307
2037	2,549,796	520,287	32,367	3,102,450
2038	2,600,490	530,913	32,367	3,163,771
2039	2,651,453	541,587	32,367	3,225,407
2040	2,702,570	552,303	32,367	3,287,241
Average Annual Growth (2018-40)	2.0%	2.1%	0.0%	2.0%

IFR Aircraft Handled By User Category
ZKC - Kansas City, Kansas ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	986,444	474,842	238,682	1,699,968
	1991	952,180	471,056	241,812	1,665,048
	1992	1,034,205	491,609	226,075	1,751,889
	1993	1,074,864	488,446	223,628	1,786,938
	1994	1,132,994	498,795	235,832	1,867,621
	1995	1,195,237	516,408	245,959	1,957,604
	1996	1,256,322	508,606	209,066	1,973,994
	1997	1,388,424	521,225	149,864	2,059,513
	1998	1,423,229	545,916	156,991	2,126,136
	1999	1,475,722	544,881	164,382	2,184,985
	2000	1,487,383	525,057	191,110	2,203,550
	2001	1,536,095	463,503	166,213	2,165,811
	2002	1,493,897	471,495	164,987	2,130,379
	2003	1,453,027	451,956	161,702	2,066,685
	2004	1,411,710	469,367	171,396	2,052,473
	2005	1,457,744	472,706	158,316	2,088,766
	2006	1,410,143	457,476	181,158	2,048,777
	2007	1,419,460	465,720	166,239	2,051,419
	2008	1,420,364	417,998	141,024	1,979,386
	2009	1,246,275	347,892	138,420	1,732,587
2010	1,195,220	349,822	160,376	1,705,418	
2011	1,239,382	346,343	124,126	1,709,851	
2012	1,254,178	350,712	106,028	1,710,918	
2013	1,194,762	344,444	89,785	1,628,991	
2014	1,257,302	367,504	101,692	1,726,498	
2015	1,247,957	367,723	102,078	1,717,758	
2016	1,285,541	367,557	98,137	1,751,235	
2017	1,324,967	372,929	94,185	1,792,081	
2018	1,366,787	369,131	88,352	1,824,270	
Forecast	2019	1,397,555	374,408	88,352	1,860,314
	2020	1,426,690	379,816	88,352	1,894,857
	2021	1,453,752	385,142	88,352	1,927,245
	2022	1,479,941	390,572	88,352	1,958,865
	2023	1,507,692	396,584	88,352	1,992,578
	2024	1,537,005	403,158	88,352	2,028,515
	2025	1,566,521	409,908	88,352	2,064,781

IFR Aircraft Handled By User Category
ZKC - Kansas City, Kansas ARTCC

2026	1,598,153	416,763	88,352	2,103,268
2027	1,629,885	423,713	88,352	2,141,950
2028	1,661,811	430,764	88,352	2,180,927
2029	1,693,801	437,874	88,352	2,220,027
2030	1,726,728	445,004	88,352	2,260,084
2031	1,759,603	452,143	88,352	2,300,098
2032	1,792,330	459,263	88,352	2,339,944
2033	1,824,864	466,351	88,352	2,379,568
2034	1,857,644	473,506	88,352	2,419,502
2035	1,890,627	480,713	88,352	2,459,693
2036	1,923,671	487,940	88,352	2,499,963
2037	1,956,592	495,142	88,352	2,540,086
2038	1,989,551	502,356	88,352	2,580,259
2039	2,022,652	509,605	88,352	2,620,609
2040	2,055,816	516,870	88,352	2,661,038
Average Annual Growth (2018-40)	1.9%	1.5%	0.0%	1.7%

IFR Aircraft Handled By User Category
ZMP - Minneapolis, Minnesota ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,032,300	514,887	179,622	1,726,809
	1991	1,049,796	493,425	162,817	1,706,038
	1992	1,080,785	511,290	180,103	1,772,178
	1993	1,089,466	510,975	254,266	1,854,707
	1994	1,206,878	531,172	190,904	1,928,954
	1995	1,269,536	551,194	177,211	1,997,941
	1996	1,367,079	556,269	94,742	2,018,090
	1997	1,368,851	573,318	91,887	2,034,056
	1998	1,383,677	576,692	90,392	2,050,761
	1999	1,457,083	565,597	92,730	2,115,410
	2000	1,502,375	542,238	97,758	2,142,371
	2001	1,503,019	489,453	110,671	2,103,143
	2002	1,413,284	497,322	119,054	2,029,660
	2003	1,477,202	483,244	81,096	2,041,542
	2004	1,583,232	496,852	71,955	2,152,039
	2005	1,595,559	488,989	78,095	2,162,643
	2006	1,507,911	479,004	94,445	2,081,360
	2007	1,513,152	471,527	86,643	2,071,322
	2008	1,484,791	431,219	93,667	2,009,677
2009	1,391,768	357,054	70,151	1,818,973	
2010	1,393,581	367,652	66,720	1,827,953	
2011	1,436,802	367,237	60,058	1,864,097	
2012	1,393,980	382,452	55,571	1,832,003	
2013	1,383,009	394,724	40,761	1,818,494	
2014	1,438,607	425,863	38,439	1,902,909	
2015	1,425,726	430,114	39,595	1,895,435	
2016	1,468,439	434,459	39,046	1,941,944	
2017	1,507,601	430,530	39,045	1,987,176	
2018	1,555,622	424,749	39,037	2,019,408	
Forecast	2019	1,573,915	424,513	39,037	2,037,465
	2020	1,586,745	424,290	39,037	2,050,072
	2021	1,590,602	424,080	39,037	2,053,719
	2022	1,591,973	423,882	39,037	2,054,892
	2023	1,606,757	423,696	39,037	2,069,491
	2024	1,634,134	423,521	39,037	2,096,692
	2025	1,664,833	423,355	39,037	2,127,225

IFR Aircraft Handled By User Category
ZMP - Minneapolis, Minnesota ARTCC

2026	1,695,750	423,199	39,037	2,157,987
2027	1,727,062	423,052	39,037	2,189,151
2028	1,758,768	422,914	39,037	2,220,719
2029	1,790,530	422,784	39,037	2,252,351
2030	1,822,341	422,661	39,037	2,284,039
2031	1,854,479	422,545	39,037	2,316,061
2032	1,886,336	422,436	39,037	2,347,809
2033	1,917,998	422,333	39,037	2,379,368
2034	1,949,962	422,236	39,037	2,411,235
2035	1,982,260	422,145	39,037	2,443,442
2036	2,014,799	422,059	39,037	2,475,895
2037	2,047,062	421,978	39,037	2,508,077
2038	2,079,527	421,901	39,037	2,540,466
2039	2,112,309	421,829	39,037	2,573,175
2040	2,145,441	421,762	39,037	2,606,239
Average Annual Growth (2018-40)	1.5%	0.0%	0.0%	1.2%

**IFR Aircraft Handled By User Category
ZOB - Cleveland, Ohio ARTCC**

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,657,391	532,904	217,198	2,407,493
	1991	1,632,394	467,191	197,881	2,297,466
	1992	1,734,509	462,241	196,218	2,392,968
	1993	1,853,682	468,682	128,240	2,450,604
	1994	1,972,112	490,120	118,030	2,580,262
	1995	2,097,129	506,537	122,273	2,725,939
	1996	2,208,532	519,933	114,918	2,843,383
	1997	2,245,665	498,737	117,482	2,861,884
	1998	2,326,330	543,767	126,727	2,996,824
	1999	2,434,789	545,475	147,464	3,127,728
	2000	2,494,729	538,652	181,630	3,215,011
	2001	2,468,490	476,500	185,927	3,130,917
	2002	2,352,972	460,335	196,745	3,010,052
	2003	2,287,061	445,996	229,332	2,962,389
	2004	2,394,966	455,341	241,359	3,091,666
	2005	2,415,307	441,241	200,712	3,057,260
	2006	2,258,198	418,616	213,425	2,890,239
	2007	2,203,770	406,546	221,624	2,831,940
	2008	2,011,573	370,146	223,146	2,604,865
	2009	1,721,430	283,272	191,675	2,196,377
2010	1,706,377	296,538	199,142	2,202,057	
2011	1,854,068	293,062	93,229	2,240,359	
2012	1,877,974	285,095	33,541	2,196,610	
2013	1,853,528	275,813	29,613	2,158,954	
2014	1,968,252	311,390	24,736	2,304,378	
2015	1,961,941	318,963	24,045	2,304,949	
2016	2,022,929	338,507	25,925	2,387,361	
2017	2,050,154	338,878	26,460	2,415,492	
2018	2,104,176	329,551	25,760	2,459,487	
Forecast	2019	2,104,611	325,569	25,760	2,455,940
	2020	2,100,968	320,639	25,760	2,447,368
	2021	2,089,578	313,909	25,760	2,429,247
	2022	2,076,758	306,842	25,760	2,409,360
	2023	2,078,486	303,158	25,760	2,407,404
	2024	2,093,445	302,558	25,760	2,421,763
	2025	2,111,209	302,618	25,760	2,439,587

IFR Aircraft Handled By User Category
ZOB - Cleveland, Ohio ARTCC

2026	2,129,513	302,811	25,760	2,458,083
2027	2,148,289	303,120	25,760	2,477,169
2028	2,167,433	303,523	25,760	2,496,716
2029	2,186,983	304,029	25,760	2,516,771
2030	2,206,589	304,555	25,760	2,536,904
2031	2,226,282	305,109	25,760	2,557,151
2032	2,245,963	305,667	25,760	2,577,390
2033	2,265,519	306,205	25,760	2,597,484
2034	2,285,564	306,864	25,760	2,618,188
2035	2,305,991	307,621	25,760	2,639,372
2036	2,328,339	308,420	25,760	2,662,519
2037	2,350,594	309,198	25,760	2,685,552
2038	2,373,078	310,029	25,760	2,708,866
2039	2,395,840	310,925	25,760	2,732,525
2040	2,418,842	311,878	25,760	2,756,480
Average Annual Growth (2018-40)	0.6%	-0.3%	0.0%	0.5%

IFR Aircraft Handled By User Category
Eastern Region Service Area (EEOSA)

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	8,995,165	3,031,245	1,667,504	13,693,914
	1991	8,610,011	2,786,765	1,618,412	13,015,188
	1992	8,775,856	2,819,653	1,653,010	13,248,519
	1993	9,165,882	2,796,378	1,593,251	13,555,511
	1994	9,797,240	2,889,466	1,396,584	14,083,290
	1995	10,061,574	2,969,694	1,430,592	14,461,860
	1996	10,105,049	3,008,453	1,324,073	14,437,575
	1997	10,261,462	3,157,726	1,374,024	14,793,212
	1998	10,844,912	3,399,409	1,671,760	15,916,081
	1999	11,389,177	3,520,296	1,675,908	16,585,381
	2000	12,034,711	3,568,569	1,600,933	17,204,213
	2001	12,368,112	3,279,861	1,462,904	17,110,877
	2002	11,587,019	3,420,367	1,516,875	16,524,261
	2003	11,748,802	3,379,659	1,533,888	16,662,349
	2004	12,587,815	3,549,612	1,661,214	17,798,641
	2005	13,362,935	3,556,787	1,855,813	18,775,535
	2006	12,689,988	3,490,177	1,928,399	18,108,564
	2007	13,211,568	3,552,193	1,767,670	18,531,431
	2008	13,192,471	3,263,496	1,640,886	18,096,853
	2009	12,744,574	2,711,692	1,100,526	16,556,792
2010	12,739,702	2,800,245	1,117,773	16,657,720	
2011	13,230,351	2,801,845	799,585	16,831,781	
2012	13,391,747	2,730,232	626,272	16,748,251	
2013	13,175,254	2,678,735	591,397	16,445,386	
2014	12,964,558	2,706,681	643,546	16,314,785	
2015	13,103,198	2,901,142	621,520	16,625,860	
2016	13,344,877	3,082,194	645,070	17,072,141	
2017	13,477,031	3,173,202	633,716	17,283,949	
2018	13,788,723	3,173,124	630,377	17,592,224	
Forecast	2019	13,994,462	3,213,509	630,377	17,838,350
	2020	14,157,784	3,242,194	630,377	18,030,354
	2021	14,289,492	3,259,743	630,377	18,179,612
	2022	14,406,221	3,269,188	630,377	18,305,786
	2023	14,562,786	3,276,532	630,377	18,469,696
	2024	14,759,168	3,283,823	630,377	18,673,367

IFR Aircraft Handled By User Category

Eastern Region Service Area (EEOSA)

2025	14,972,815	3,292,027	630,377	18,895,217
2026	15,205,764	3,302,895	630,377	19,139,035
2027	15,446,042	3,314,746	630,377	19,391,162
2028	15,691,431	3,326,944	630,377	19,648,751
2029	15,943,471	3,339,279	630,377	19,913,126
2030	16,197,723	3,352,179	630,377	20,180,279
2031	16,458,571	3,365,501	630,377	20,454,448
2032	16,720,315	3,379,022	630,377	20,729,716
2033	16,980,677	3,392,518	630,377	21,003,572
2034	17,244,880	3,406,407	630,377	21,281,665
2035	17,517,565	3,420,753	630,377	21,568,695
2036	17,793,266	3,435,428	630,377	21,859,071
2037	18,068,440	3,450,131	630,377	22,148,950
2038	18,346,440	3,465,030	630,377	22,441,846
2039	18,627,921	3,480,256	630,377	22,738,553
2040	18,911,832	3,495,761	630,377	23,037,972

**Average Annual
Growth (2018-40)**

1.4%

0.4%

0.0%

1.2%

**IFR Aircraft Handled By User Category
ZBW - Nashua, New Hampshire ARTCC**

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,201,881	290,270	171,367	1,663,518
	1991	1,075,462	252,342	199,437	1,527,241
	1992	1,139,764	256,654	188,411	1,584,829
	1993	1,219,510	245,961	145,047	1,610,518
	1994	1,220,736	248,399	142,624	1,611,759
	1995	1,281,581	272,236	179,511	1,733,328
	1996	1,297,333	268,903	150,337	1,716,573
	1997	1,330,858	285,234	144,769	1,760,861
	1998	1,489,332	328,389	189,074	2,006,795
	1999	1,383,662	306,964	168,923	1,859,549
	2000	1,512,270	313,639	72,444	1,898,353
	2001	1,556,161	280,141	69,277	1,905,579
	2002	1,418,339	285,121	85,554	1,789,014
	2003	1,424,609	283,865	76,374	1,784,848
	2004	1,479,567	295,546	73,473	1,848,586
	2005	1,541,151	286,893	66,828	1,894,872
	2006	1,482,031	279,517	72,273	1,833,821
	2007	1,532,956	286,140	94,376	1,913,472
	2008	1,529,983	275,582	78,065	1,883,630
	2009	1,450,824	232,167	52,973	1,735,964
2010	1,423,806	239,346	48,104	1,711,256	
2011	1,454,264	241,114	50,945	1,746,323	
2012	1,440,954	226,446	39,157	1,706,557	
2013	1,406,761	214,499	37,429	1,658,689	
2014	1,233,649	181,124	34,611	1,449,384	
2015	1,251,523	185,811	35,210	1,472,544	
2016	1,305,901	180,698	36,498	1,523,097	
2017	1,325,478	184,351	35,866	1,545,695	
2018	1,382,890	184,725	32,948	1,600,563	
Forecast	2019	1,398,651	179,538	32,948	1,611,138
	2020	1,406,192	175,394	32,948	1,614,534
	2021	1,408,048	171,346	32,948	1,612,342
	2022	1,407,682	167,222	32,948	1,607,852
	2023	1,409,325	163,130	32,948	1,605,403
	2024	1,413,256	159,108	32,948	1,605,312
	2025	1,417,474	155,089	32,948	1,605,510

IFR Aircraft Handled By User Category
ZBW - Nashua, New Hampshire ARTCC

2026	1,425,846	153,638	32,948	1,612,432
2027	1,434,362	153,121	32,948	1,620,432
2028	1,443,079	152,947	32,948	1,628,973
2029	1,451,959	152,899	32,948	1,637,806
2030	1,460,775	152,892	32,948	1,646,814
2031	1,469,574	152,895	32,948	1,655,416
2032	1,478,223	152,893	32,948	1,664,064
2033	1,486,666	152,879	32,948	1,672,493
2034	1,495,348	152,865	32,948	1,681,162
2035	1,504,189	152,853	32,948	1,689,990
2036	1,513,839	152,839	32,948	1,698,858
2037	1,521,836	152,817	32,948	1,707,601
2038	1,530,675	152,790	32,948	1,716,414
2039	1,539,607	152,762	32,948	1,725,317
2040	1,548,587	152,730	32,948	1,734,265
Average Annual Growth (2018-40)	0.5%	-0.9%	0.0%	0.4%

IFR Aircraft Handled By User Category
ZDC - Leesburg, Virginia ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,491,357	458,030	297,579	2,246,966
	1991	1,460,395	417,357	292,251	2,170,003
	1992	1,469,159	426,138	312,993	2,208,290
	1993	1,501,553	420,992	293,895	2,216,440
	1994	1,619,612	426,131	294,400	2,340,143
	1995	1,647,812	429,447	273,921	2,351,180
	1996	1,629,860	426,963	246,404	2,303,227
	1997	1,693,091	456,033	250,795	2,399,919
	1998	1,693,814	469,445	291,529	2,454,788
	1999	1,781,325	477,599	349,879	2,608,803
	2000	1,874,285	476,388	407,490	2,758,163
	2001	1,892,773	441,243	424,863	2,758,879
	2002	1,679,416	456,364	420,664	2,556,444
	2003	1,668,511	442,077	445,794	2,556,382
	2004	1,778,254	472,783	575,087	2,826,124
	2005	1,896,088	474,837	749,830	3,120,755
	2006	1,768,266	466,195	679,103	2,913,564
	2007	1,753,143	466,967	722,098	2,942,208
	2008	1,779,660	430,231	645,620	2,855,511
	2009	2,064,357	353,056	173,483	2,590,896
2010	2,022,648	357,379	182,259	2,562,286	
2011	2,101,179	357,997	141,624	2,600,800	
2012	2,117,601	346,663	122,552	2,586,816	
2013	2,093,660	329,696	116,370	2,539,726	
2014	2,026,779	322,207	121,184	2,470,170	
2015	1,974,884	346,733	105,116	2,426,733	
2016	1,994,168	369,225	100,893	2,464,286	
2017	2,044,645	379,830	103,025	2,527,500	
2018	2,109,505	379,036	99,447	2,587,988	
Forecast	2019	2,126,491	382,292	99,447	2,608,230
	2020	2,135,625	383,844	99,447	2,618,916
	2021	2,140,317	384,761	99,447	2,624,525
	2022	2,143,777	385,317	99,447	2,628,541
	2023	2,153,579	385,774	99,447	2,638,800
	2024	2,169,372	386,750	99,447	2,655,568
	2025	2,187,445	388,217	99,447	2,675,108

IFR Aircraft Handled By User Category
ZDC - Leesburg, Virginia ARTCC

2026	2,205,644	389,779	99,447	2,694,870
2027	2,224,069	391,353	99,447	2,714,868
2028	2,242,586	392,947	99,447	2,734,980
2029	2,261,324	394,550	99,447	2,755,320
2030	2,279,976	396,172	99,447	2,775,595
2031	2,298,654	397,789	99,447	2,795,890
2032	2,317,347	399,410	99,447	2,816,204
2033	2,335,763	401,015	99,447	2,836,224
2034	2,354,551	402,598	99,447	2,856,596
2035	2,373,527	404,213	99,447	2,877,187
2036	2,392,641	405,845	99,447	2,897,933
2037	2,411,595	407,490	99,447	2,918,532
2038	2,430,655	409,122	99,447	2,939,224
2039	2,449,784	410,765	99,447	2,959,995
2040	2,468,974	412,414	99,447	2,980,835
Average Annual Growth (2018-40)	0.7%	0.4%	0.0%	0.6%

IFR Aircraft Handled By User Category
ZJX - Jacksonville, Florida ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,031,575	450,433	279,407	1,761,415
	1991	984,554	421,362	229,000	1,634,916
	1992	998,088	409,490	234,040	1,641,618
	1993	1,063,723	422,461	219,253	1,705,437
	1994	1,144,821	449,886	200,408	1,795,115
	1995	1,172,023	458,114	187,300	1,817,437
	1996	1,207,855	472,323	195,015	1,875,193
	1997	1,252,582	463,776	219,019	1,935,377
	1998	1,322,737	515,443	264,133	2,102,313
	1999	1,319,141	567,614	316,112	2,202,867
	2000	1,413,364	569,628	293,538	2,276,530
	2001	1,513,471	513,970	180,259	2,207,700
	2002	1,448,569	547,895	166,598	2,163,062
	2003	1,511,816	561,972	163,724	2,237,512
	2004	1,603,343	598,155	175,249	2,376,747
	2005	1,756,440	615,290	181,586	2,553,316
	2006	1,685,544	624,215	212,694	2,522,453
	2007	1,814,489	643,924	156,668	2,615,081
	2008	1,763,783	552,812	151,660	2,468,255
	2009	1,585,654	440,418	140,734	2,166,806
2010	1,589,786	464,611	155,340	2,209,737	
2011	1,663,740	451,779	136,311	2,251,830	
2012	1,661,289	436,515	116,844	2,214,648	
2013	1,644,457	434,652	114,496	2,193,605	
2014	1,667,083	439,452	133,482	2,240,017	
2015	1,607,602	517,894	147,159	2,272,655	
2016	1,652,161	583,636	157,932	2,393,729	
2017	1,693,007	630,299	162,482	2,485,788	
2018	1,765,086	627,926	170,203	2,563,215	
Forecast	2019	1,826,963	647,465	170,203	2,644,631
	2020	1,880,348	661,702	170,203	2,712,253
	2021	1,925,292	671,257	170,203	2,766,752
	2022	1,964,662	676,751	170,203	2,811,616
	2023	2,005,461	678,905	170,203	2,854,570
	2024	2,051,098	678,373	170,203	2,899,674
	2025	2,103,011	678,161	170,203	2,951,375

IFR Aircraft Handled By User Category
ZJX - Jacksonville, Florida ARTCC

2026	2,156,887	678,195	170,203	3,005,284
2027	2,212,211	678,398	170,203	3,060,812
2028	2,268,342	678,693	170,203	3,117,238
2029	2,325,192	679,014	170,203	3,174,409
2030	2,383,062	680,070	170,203	3,233,336
2031	2,441,136	681,689	170,203	3,293,028
2032	2,499,271	683,729	170,203	3,353,203
2033	2,557,099	686,068	170,203	3,413,370
2034	2,614,890	688,616	170,203	3,473,708
2035	2,672,816	691,306	170,203	3,534,325
2036	2,730,984	694,085	170,203	3,595,272
2037	2,788,889	696,902	170,203	3,655,994
2038	2,846,879	699,721	170,203	3,716,803
2039	2,905,096	702,520	170,203	3,777,819
2040	2,963,392	705,276	170,203	3,838,871
Average Annual Growth (2018-40)	2.4%	0.5%	0.0%	1.9%

IFR Aircraft Handled By User Category
ZMA - Miami, Florida ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,246,002	364,293	186,599	1,796,894
	1991	1,252,408	348,597	157,684	1,758,689
	1992	1,261,199	370,188	151,384	1,782,771
	1993	1,378,249	352,705	97,421	1,828,375
	1994	1,496,874	362,467	80,015	1,939,356
	1995	1,530,492	380,812	74,187	1,985,491
	1996	1,515,061	385,961	61,433	1,962,455
	1997	1,493,200	432,236	64,075	1,989,511
	1998	1,539,374	465,184	63,584	2,068,142
	1999	1,617,729	471,734	61,716	2,151,179
	2000	1,589,607	531,638	57,374	2,178,619
	2001	1,632,676	534,199	50,750	2,217,625
	2002	1,540,403	578,567	50,938	2,169,908
	2003	1,551,536	564,340	48,841	2,164,717
	2004	1,707,118	581,871	88,924	2,377,913
	2005	1,789,389	589,056	138,321	2,516,766
	2006	1,753,989	567,321	164,048	2,485,358
	2007	1,762,011	594,986	168,658	2,525,655
	2008	1,788,697	551,608	126,695	2,467,000
	2009	1,635,106	470,364	120,611	2,226,081
2010	1,695,341	479,965	140,621	2,315,927	
2011	1,750,174	478,074	94,673	2,322,921	
2012	1,817,338	465,811	66,872	2,350,021	
2013	1,806,795	473,931	65,958	2,346,684	
2014	1,842,656	497,086	74,682	2,414,424	
2015	2,039,386	472,267	65,581	2,577,234	
2016	2,013,094	468,938	64,622	2,546,654	
2017	1,957,502	469,773	53,253	2,480,528	
2018	1,940,690	461,445	49,763	2,451,898	
Forecast	2019	1,968,614	462,245	49,763	2,480,622
	2020	1,994,224	463,036	49,763	2,507,023
	2021	2,023,682	463,818	49,763	2,537,263
	2022	2,053,306	464,591	49,763	2,567,660
	2023	2,084,535	465,355	49,763	2,599,652
	2024	2,117,324	465,921	49,763	2,633,008
	2025	2,150,572	466,341	49,763	2,666,675

IFR Aircraft Handled By User Category
ZMA - Miami, Florida ARTCC

2026	2,190,642	466,651	49,763	2,707,056
2027	2,231,617	466,882	49,763	2,748,261
2028	2,272,841	467,052	49,763	2,789,656
2029	2,314,923	467,178	49,763	2,831,865
2030	2,357,070	467,272	49,763	2,874,105
2031	2,399,977	467,341	49,763	2,917,081
2032	2,443,346	467,375	49,763	2,960,484
2033	2,486,475	467,392	49,763	3,003,630
2034	2,529,981	467,400	49,763	3,047,145
2035	2,573,959	467,404	49,763	3,091,127
2036	2,618,424	467,406	49,763	3,135,593
2037	2,662,526	467,407	49,763	3,179,697
2038	2,707,253	467,408	49,763	3,224,424
2039	2,752,570	467,408	49,763	3,269,742
2040	2,798,042	467,408	49,763	3,315,214
Average Annual Growth (2018-40)	1.7%	0.1%	0.0%	1.4%

IFR Aircraft Handled By User Category
ZME - Memphis, Tennessee ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	963,969	516,148	358,986	1,839,103
	1991	956,642	481,301	356,866	1,794,809
	1992	1,004,028	489,252	373,059	1,866,339
	1993	993,703	492,971	433,351	1,920,025
	1994	1,119,915	507,838	339,349	1,967,102
	1995	1,184,655	521,390	314,124	2,020,169
	1996	1,180,235	526,617	272,687	1,979,539
	1997	1,192,879	554,061	274,849	2,021,789
	1998	1,223,967	585,101	323,602	2,132,670
	1999	1,308,400	577,768	284,414	2,170,582
	2000	1,393,839	551,402	284,956	2,230,197
	2001	1,412,631	488,100	299,342	2,200,073
	2002	1,365,056	509,164	305,459	2,179,679
	2003	1,385,296	499,105	322,311	2,206,712
	2004	1,456,588	521,206	313,741	2,291,535
	2005	1,520,481	508,166	289,062	2,317,709
	2006	1,470,739	496,544	311,684	2,278,967
	2007	1,500,264	492,796	306,643	2,299,703
	2008	1,482,673	462,476	305,162	2,250,311
	2009	1,365,913	403,610	295,751	2,065,274
2010	1,390,174	418,193	269,492	2,077,859	
2011	1,460,015	421,445	177,621	2,059,081	
2012	1,459,507	422,541	144,361	2,026,409	
2013	1,421,968	420,927	130,644	1,973,539	
2014	1,403,063	451,082	135,347	1,989,492	
2015	1,433,494	460,619	138,462	2,032,575	
2016	1,477,323	475,565	147,006	2,099,894	
2017	1,508,709	481,553	141,114	2,131,376	
2018	1,572,723	585,161	144,833	2,202,717	
Forecast	2019	1,588,074	492,859	144,833	2,225,766
	2020	1,603,292	499,824	144,833	2,247,948
	2021	1,622,094	506,353	144,833	2,273,280
	2022	1,640,980	512,884	144,833	2,298,697
	2023	1,662,341	520,197	144,833	2,327,371
	2024	1,685,935	528,225	144,833	2,358,992
	2025	1,710,156	536,468	144,833	2,391,457

IFR Aircraft Handled By User Category
ZME - Memphis, Tennessee ARTCC

2026	1,735,296	544,799	144,833	2,424,928
2027	1,760,622	553,201	144,833	2,458,655
2028	1,786,174	561,688	144,833	2,492,694
2029	1,811,811	570,216	144,833	2,526,859
2030	1,837,816	578,755	144,833	2,561,403
2031	1,863,910	587,333	144,833	2,596,076
2032	1,890,009	595,922	144,833	2,630,765
2033	1,916,296	604,508	144,833	2,665,637
2034	1,942,760	613,157	144,833	2,700,750
2035	1,969,388	621,868	144,833	2,736,089
2036	1,996,097	630,612	144,833	2,771,542
2037	2,022,976	639,366	144,833	2,807,175
2038	2,049,900	648,141	144,833	2,842,874
2039	2,076,967	656,969	144,833	2,878,769
2040	2,104,190	665,853	144,833	2,914,876
Average Annual Growth (2018-40)	1.3%	1.4%	0.0%	1.3%

IFR Aircraft Handled By User Category
ZNY - New York, New York ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,406,764	345,894	221,864	1,974,522
	1991	1,366,456	310,244	245,382	1,922,082
	1992	1,397,215	311,636	238,821	1,947,672
	1993	1,470,157	303,291	243,455	2,016,903
	1994	1,542,503	311,543	181,758	2,035,804
	1995	1,543,738	315,957	226,822	2,086,517
	1996	1,574,791	323,568	247,211	2,145,570
	1997	1,586,932	338,518	266,731	2,192,181
	1998	1,806,052	355,662	334,180	2,495,894
	1999	2,171,254	406,729	211,342	2,789,325
	2000	2,313,440	404,233	192,805	2,910,478
	2001	2,308,408	368,130	210,773	2,887,311
	2002	2,135,174	364,224	250,625	2,750,023
	2003	2,199,468	364,123	234,023	2,797,614
	2004	2,419,370	384,808	163,612	2,967,790
	2005	2,610,909	386,962	128,460	3,126,331
	2006	2,434,447	386,194	129,830	2,950,471
	2007	2,490,289	400,936	164,138	3,055,363
	2008	2,445,086	385,583	179,898	3,010,567
	2009	2,244,920	308,550	177,398	2,730,868
2010	2,231,154	327,994	171,382	2,730,530	
2011	2,368,746	337,268	88,137	2,794,151	
2012	2,433,429	322,946	45,593	2,801,968	
2013	2,356,270	305,636	42,243	2,704,149	
2014	2,382,660	314,755	51,666	2,749,081	
2015	2,234,059	339,708	37,364	2,611,131	
2016	2,264,189	382,302	38,278	2,684,769	
2017	2,282,827	386,628	37,250	2,706,705	
2018	2,295,186	389,725	33,701	2,718,612	
Forecast	2019	2,337,984	392,990	33,701	2,764,675
	2020	2,370,985	395,842	33,701	2,800,528
	2021	2,392,363	398,199	33,701	2,824,263
	2022	2,410,536	400,183	33,701	2,844,420
	2023	2,441,285	402,182	33,701	2,877,168
	2024	2,479,901	404,342	33,701	2,917,944
	2025	2,520,114	406,627	33,701	2,960,442

IFR Aircraft Handled By User Category
ZNY - New York, New York ARTCC

2026	2,561,090	408,990	33,701	3,003,780
2027	2,602,677	411,406	33,701	3,047,784
2028	2,644,734	413,858	33,701	3,092,293
2029	2,687,770	416,344	33,701	3,137,815
2030	2,730,635	418,842	33,701	3,183,178
2031	2,777,309	421,331	33,701	3,232,341
2032	2,823,795	423,802	33,701	3,281,299
2033	2,869,783	426,245	33,701	3,329,730
2034	2,916,586	428,677	33,701	3,378,965
2035	2,968,563	431,107	33,701	3,433,371
2036	3,020,891	433,532	33,701	3,488,124
2037	3,073,005	435,938	33,701	3,542,644
2038	3,125,671	438,332	33,701	3,597,704
2039	3,179,029	440,720	33,701	3,653,450
2040	3,232,927	443,103	33,701	3,709,732
Average Annual Growth (2018-40)	1.6%	0.6%	0.0%	1.4%

IFR Aircraft Handled By User Category
ZSU - San Juan, Puerto Rico CERAP

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990				
	1991				
	1992				
	1993				
	1994				
	1995				
	1996				
	1997				
	1998				
	1999				
	2000				
	2001				
	2002				
	2003				
	2004				
	2005				
	2006				
	2007				
	2008		52,878	5,969	396
2009		208,014	25,995	1,331	235,340
2010		231,065	30,767	3,184	265,016
2011		223,509	32,305	2,356	258,170
2012		237,076	28,399	1,683	267,158
2013		240,557	28,515	2,060	271,132
2014		258,106	33,438	1,579	293,123
2015		278,709	30,201	889	309,799
2016		284,150	27,499	879	312,528
2017		277,297	25,798	1,453	304,548
2018		263,642	24,247	2,051	289,940
Forecast	2019	265,019	24,451	2,051	291,521
	2020	267,455	24,621	2,051	294,127
	2021	269,468	24,745	2,051	296,264
	2022	271,972	24,845	2,051	298,868
	2023	274,589	24,971	2,051	301,611
	2024	277,015	25,130	2,051	304,196
	2025	279,215	25,310	2,051	306,576

IFR Aircraft Handled By User Category
ZSU - San Juan, Puerto Rico CERAP

2026	281,135	25,509	2,051	308,696
2027	283,473	25,721	2,051	311,245
2028	286,233	25,943	2,051	314,227
2029	290,069	26,173	2,051	318,292
2030	293,798	26,409	2,051	322,259
2031	297,491	26,652	2,051	326,194
2032	301,200	26,898	2,051	330,149
2033	304,789	27,145	2,051	333,985
2034	308,399	27,400	2,051	337,850
2035	312,246	27,662	2,051	341,958
2036	316,186	27,929	2,051	346,166
2037	320,125	28,198	2,051	350,374
2038	324,065	28,471	2,051	354,587
2039	327,996	28,750	2,051	358,796
2040	331,895	29,033	2,051	362,979
Average Annual Growth (2018-40)	1.1%	0.8%	0.0%	1.0%

IFR Aircraft Handled By User Category
ZTL - Atlanta, Georgia ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,653,617	606,177	151,702	2,411,496
	1991	1,514,094	555,562	137,792	2,207,448
	1992	1,506,403	556,295	154,302	2,217,000
	1993	1,538,987	557,997	160,829	2,257,813
	1994	1,652,779	583,202	158,030	2,394,011
	1995	1,699,273	591,738	174,727	2,465,738
	1996	1,699,914	604,118	150,986	2,455,018
	1997	1,711,920	627,868	153,786	2,493,574
	1998	1,769,636	680,185	205,658	2,655,479
	1999	1,807,666	711,888	283,522	2,803,076
	2000	1,937,906	721,641	292,326	2,951,873
	2001	2,051,992	654,078	227,640	2,933,710
	2002	2,000,062	679,032	237,037	2,916,131
	2003	2,007,566	664,177	242,821	2,914,564
	2004	2,143,575	695,243	271,128	3,109,946
	2005	2,248,477	695,583	301,726	3,245,786
	2006	2,094,972	670,191	358,767	3,123,930
	2007	2,358,416	666,444	155,089	3,179,949
	2008	2,349,711	599,235	153,390	3,102,336
	2009	2,189,799	477,534	138,246	2,805,579
	2010	2,155,924	482,201	147,291	2,785,416
	2011	2,208,724	481,863	107,918	2,798,505
	2012	2,224,553	480,911	89,210	2,794,674
	2013	2,204,786	470,879	82,197	2,757,862
	2014	2,150,562	467,537	90,995	2,709,094
	2015	2,283,541	547,909	91,739	2,923,189
	2016	2,353,891	594,331	98,962	3,047,184
	2017	2,387,566	614,970	99,273	3,101,809
	2018	2,459,001	620,859	97,431	3,177,291
Forecast	2019	2,482,666	631,669	97,431	3,211,767
	2020	2,499,663	637,932	97,431	3,235,025
	2021	2,508,228	639,264	97,431	3,244,923
	2022	2,513,306	637,396	97,431	3,248,132
	2023	2,531,671	636,018	97,431	3,265,121
	2024	2,565,267	635,975	97,431	3,298,673
	2025	2,604,828	635,815	97,431	3,338,074

IFR Aircraft Handled By User Category
ZTL - Atlanta, Georgia ARTCC

2026	2,649,224	635,335	97,431	3,381,989
2027	2,697,011	634,664	97,431	3,429,106
2028	2,747,442	633,817	97,431	3,478,690
2029	2,800,423	632,905	97,431	3,530,760
2030	2,854,591	631,767	97,431	3,583,789
2031	2,910,520	630,472	97,431	3,638,422
2032	2,967,124	628,993	97,431	3,693,548
2033	3,023,806	627,266	97,431	3,748,503
2034	3,082,365	625,693	97,431	3,805,489
2035	3,142,877	624,341	97,431	3,864,648
2036	3,204,972	623,180	97,431	3,925,583
2037	3,267,488	622,014	97,431	3,986,933
2038	3,331,342	621,043	97,431	4,049,816
2039	3,396,872	620,362	97,431	4,114,665
2040	3,463,825	619,944	97,431	4,181,200
Average Annual Growth (2018-40)	1.6%	0.0%	0.0%	1.3%

**IFR Aircraft Handled By User Category
Western Region Service Area (WEOSA)**

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	5,393,625	1,219,031	1,587,987	8,200,643
	1991	5,406,585	1,129,145	1,457,846	7,993,576
	1992	5,500,217	1,091,493	1,489,934	8,081,644
	1993	5,624,061	1,119,397	1,367,208	8,110,666
	1994	5,694,495	1,112,854	1,315,868	8,123,217
	1995	6,049,466	1,146,223	1,284,691	8,480,380
	1996	6,313,926	1,154,654	1,122,231	8,590,811
	1997	6,541,555	1,195,271	1,075,095	8,811,921
	1998	6,643,778	1,316,345	1,019,108	8,979,231
	1999	6,685,143	1,326,370	901,078	8,912,591
	2000	6,913,535	1,315,673	971,145	9,200,353
	2001	6,955,104	1,276,848	988,934	9,220,886
	2002	6,583,926	1,261,008	925,086	8,770,020
	2003	6,638,343	1,223,211	856,436	8,717,990
	2004	7,049,902	1,284,249	874,510	9,208,661
	2005	7,322,179	1,329,511	821,064	9,472,754
	2006	7,380,901	1,306,029	820,809	9,507,739
	2007	7,539,884	1,340,258	742,493	9,622,635
	2008	7,470,901	1,270,676	745,728	9,487,305
	2009	6,525,003	1,046,658	739,722	8,311,383
2010	6,611,139	1,086,591	681,914	8,379,644	
2011	7,074,434	1,088,463	580,734	8,743,631	
2012	7,047,853	1,063,014	558,218	8,669,085	
2013	6,925,620	1,086,155	483,324	8,495,099	
2014	7,350,373	1,117,938	511,383	8,979,694	
2015	7,476,216	1,158,903	494,484	9,129,603	
2016	7,871,294	1,184,624	487,056	9,542,974	
2017	8,128,668	1,190,020	453,266	9,771,954	
2018	8,437,059	1,200,939	441,036	10,079,034	
Forecast	2019	8,541,911	1,199,228	441,036	10,182,174
	2020	8,630,960	1,199,248	441,036	10,271,246
	2021	8,703,279	1,199,773	441,036	10,344,088
	2022	8,774,913	1,201,406	441,036	10,417,354
	2023	8,866,302	1,204,617	441,036	10,511,955
	2024	8,977,701	1,209,264	441,036	10,628,000
	2025	9,094,731	1,214,448	441,036	10,750,215

**IFR Aircraft Handled By User Category
Western Region Service Area (WEOA)**

2026	9,232,205	1,220,825	441,036	10,894,064
2027	9,373,882	1,227,984	441,036	11,042,901
2028	9,520,653	1,235,799	441,036	11,197,490
2029	9,670,710	1,244,077	441,036	11,355,824
2030	9,821,516	1,252,529	441,036	11,515,081
2031	9,977,618	1,261,134	441,036	11,679,787
2032	10,133,912	1,269,819	441,036	11,844,766
2033	10,289,312	1,278,458	441,036	12,008,806
2034	10,449,388	1,287,556	441,036	12,177,979
2035	10,613,741	1,297,083	441,036	12,351,861
2036	10,780,108	1,306,812	441,036	12,527,957
2037	10,946,428	1,316,543	441,036	12,704,008
2038	11,114,242	1,326,422	441,036	12,881,699
2039	11,284,801	1,336,563	441,036	13,062,401
2040	11,458,427	1,347,020	441,036	13,246,483

Average Annual Growth (2018-40)	1.4%	0.5%	0.0%	1.2%
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IFR Aircraft Handled By User Category
HCF - Honolulu, Hawaii Control Facility

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990				
	1991				
	1992				
	1993				
	1994				
	1995				
	1996				
	1997				
	1998				
	1999				
	2000				
	2001				
	2002				
	2003				
	2004				
	2005				
	2006				
	2007				
	2008				
	2009				
2010					
	2011	352,242	17,509	30,648	400,399
	2012	366,637	16,267	34,650	417,554
	2013	388,699	17,235	27,948	433,882
	2014	412,392	17,689	38,219	468,300
	2015	430,725	19,542	38,148	488,415
	2016	430,415	21,026	37,591	489,032
	2017	422,399	20,854	28,693	471,946
	2018	423,879	18,669	25,564	468,112
Forecast	2019	432,758	18,826	25,564	477,148
	2020	440,737	18,957	25,564	485,258
	2021	447,408	19,053	25,564	492,025
	2022	453,562	19,130	25,564	498,256
	2023	461,239	19,226	25,564	506,029
	2024	470,521	19,349	25,564	515,433
	2025	480,041	19,487	25,564	525,092

IFR Aircraft Handled By User Category

HCF - Honolulu, Hawaii Control Facility

2026	489,218	19,641	25,564	534,423
2027	498,668	19,804	25,564	544,036
2028	508,380	19,975	25,564	553,919
2029	518,343	20,152	25,564	564,059
2030	528,355	20,334	25,564	574,253
2031	538,173	20,521	25,564	584,258
2032	548,047	20,710	25,564	594,321
2033	557,928	20,901	25,564	604,392
2034	568,034	21,097	25,564	614,695
2035	578,282	21,298	25,564	625,145
2036	588,631	21,504	25,564	635,699
2037	599,013	21,711	25,564	646,289
2038	609,531	21,922	25,564	657,017
2039	620,221	22,136	25,564	667,921
2040	631,076	22,354	25,564	678,994
Average Annual Growth (2018-40)	1.8%	0.8%	0.0%	1.7%

IFR Aircraft Handled By User Category
ZAN - Anchorage, Alaska ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	337,009	71,385	52,083	460,477
	1991	370,711	69,167	49,123	489,001
	1992	383,558	60,399	65,378	509,335
	1993	359,333	55,307	104,947	519,587
	1994	379,556	61,220	93,027	533,803
	1995	402,973	63,322	87,034	553,329
	1996	379,673	63,752	93,424	536,849
	1997	421,633	69,609	98,130	589,372
	1998	472,274	76,396	97,779	646,449
	1999	447,812	80,934	66,086	594,832
	2000	433,654	78,419	48,314	560,387
	2001	449,811	84,503	62,499	596,813
	2002	464,723	69,700	54,120	588,543
	2003	461,665	58,691	54,131	574,487
	2004	487,067	62,993	56,571	606,631
	2005	518,521	60,077	50,179	628,777
	2006	479,887	39,741	62,974	582,602
	2007	486,306	44,892	49,459	580,657
	2008	489,405	35,709	45,503	570,617
	2009	430,763	28,893	47,769	507,425
2010	452,443	35,180	51,312	538,935	
2011	401,438	34,479	107,678	543,595	
2012	391,098	37,460	113,719	542,277	
2013	384,938	36,965	104,050	525,953	
2014	406,311	38,819	106,152	551,282	
2015	448,052	39,020	92,279	579,351	
2016	455,525	38,250	88,719	582,494	
2017	469,791	38,253	87,642	595,686	
2018	510,951	44,530	83,842	639,323	
Forecast	2019	518,284	44,532	83,842	646,658
	2020	525,226	44,533	83,842	653,601
	2021	531,698	44,534	83,842	660,075
	2022	537,977	44,535	83,842	666,354
	2023	544,454	44,536	83,842	672,423
	2024	550,275	44,536	83,842	678,653
	2025	556,534	44,536	83,842	684,912

IFR Aircraft Handled By User Category
ZAN - Anchorage, Alaska ARTCC

2026	562,984	44,537	83,842	691,362
2027	569,766	44,537	83,842	698,144
2028	576,909	44,537	83,842	705,288
2029	584,066	44,537	83,842	712,445
2030	591,190	44,537	83,842	719,569
2031	598,380	44,537	83,842	726,759
2032	605,558	44,537	83,842	733,938
2033	612,788	44,537	83,842	741,167
2034	620,246	44,537	83,842	748,625
2035	627,900	44,537	83,842	756,279
2036	635,662	44,537	83,842	764,041
2037	643,506	44,537	83,842	771,885
2038	651,433	44,537	83,842	779,812
2039	659,513	44,537	83,842	787,893
2040	667,614	44,537	83,842	795,993
Average Annual Growth (2018-40)	1.2%	0.0%	0.0%	1.0%

IFR Aircraft Handled By User Category
ZDV - Denver, Colorado ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	919,314	215,737	322,661	1,457,712
	1991	966,567	199,277	266,921	1,432,765
	1992	998,373	194,777	200,805	1,393,955
	1993	1,004,462	212,826	232,984	1,450,272
	1994	958,981	217,740	273,487	1,450,208
	1995	964,930	227,497	233,339	1,425,766
	1996	1,113,992	247,912	137,311	1,499,215
	1997	1,201,441	263,555	124,507	1,589,503
	1998	1,223,283	284,079	128,439	1,635,801
	1999	1,247,206	284,917	119,319	1,651,442
	2000	1,327,893	272,057	112,840	1,712,790
	2001	1,356,335	258,870	103,316	1,718,521
	2002	1,304,163	261,098	106,955	1,672,216
	2003	1,330,659	255,317	94,327	1,680,303
	2004	1,438,630	269,711	105,769	1,814,110
	2005	1,453,869	277,539	103,385	1,834,793
	2006	1,472,010	280,362	108,111	1,860,483
	2007	1,496,986	287,737	98,559	1,883,282
	2008	1,498,894	272,306	87,759	1,858,959
	2009	1,360,118	221,778	88,867	1,670,763
2010	1,384,859	234,321	77,796	1,696,976	
2011	1,426,666	239,464	75,263	1,741,393	
2012	1,404,588	240,313	62,723	1,707,624	
2013	1,366,454	241,957	34,602	1,643,013	
2014	1,405,519	250,304	37,276	1,693,099	
2015	1,402,261	256,062	37,712	1,696,035	
2016	1,468,379	258,198	38,407	1,764,984	
2017	1,524,383	259,186	36,028	1,819,597	
2018	1,581,357	261,007	33,180	1,875,544	
Forecast	2019	1,600,331	261,679	33,180	1,895,190
	2020	1,612,359	262,232	33,180	1,907,771
	2021	1,616,406	262,687	33,180	1,912,274
	2022	1,616,834	263,062	33,180	1,913,076
	2023	1,623,750	263,371	33,180	1,920,300
	2024	1,637,183	263,625	33,180	1,933,987
	2025	1,652,933	263,834	33,180	1,949,947

IFR Aircraft Handled By User Category
ZDV - Denver, Colorado ARTCC

2026	1,668,370	264,006	33,180	1,965,555
2027	1,683,707	264,147	33,180	1,981,034
2028	1,699,328	264,264	33,180	1,996,772
2029	1,715,121	264,360	33,180	2,012,661
2030	1,730,696	264,439	33,180	2,028,314
2031	1,746,226	264,504	33,180	2,043,909
2032	1,761,527	264,557	33,180	2,059,264
2033	1,776,491	264,601	33,180	2,074,272
2034	1,791,862	264,637	33,180	2,089,679
2035	1,807,590	264,667	33,180	2,105,437
2036	1,823,457	264,692	33,180	2,121,329
2037	1,839,238	264,712	33,180	2,137,130
2038	1,855,007	264,729	33,180	2,152,915
2039	1,871,012	264,742	33,180	2,168,935
2040	1,887,205	264,754	33,180	2,185,139
Average Annual Growth (2018-40)	0.8%	0.1%	0.0%	0.7%

IFR Aircraft Handled By User Category
ZLA - Los Angeles, California ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,330,704	267,134	280,198	1,878,036
	1991	1,306,317	234,741	283,352	1,824,410
	1992	1,281,441	231,569	266,296	1,779,306
	1993	1,345,503	224,763	224,468	1,794,734
	1994	1,389,635	223,518	217,941	1,831,094
	1995	1,513,259	234,570	203,034	1,950,863
	1996	1,551,069	228,973	200,523	1,980,565
	1997	1,576,487	247,238	192,600	2,016,325
	1998	1,558,261	273,044	181,614	2,012,919
	1999	1,611,725	297,473	170,216	2,079,414
	2000	1,658,268	293,440	203,704	2,155,412
	2001	1,635,176	282,549	228,079	2,145,804
	2002	1,569,204	296,212	139,109	2,004,525
	2003	1,571,205	302,848	140,109	2,014,162
	2004	1,654,806	327,950	163,787	2,146,543
	2005	1,777,576	355,149	141,934	2,274,659
	2006	1,833,249	353,052	117,045	2,303,346
	2007	1,875,245	360,269	117,647	2,353,161
	2008	1,871,124	333,650	109,895	2,314,669
	2009	1,591,370	269,530	104,718	1,965,618
2010	1,559,910	278,339	115,719	1,953,968	
2011	1,609,295	281,633	90,652	1,981,580	
2012	1,639,735	273,577	78,056	1,991,368	
2013	1,586,119	277,550	72,507	1,936,176	
2014	1,733,548	291,879	76,738	2,102,165	
2015	1,743,738	299,728	75,460	2,118,926	
2016	1,847,883	309,566	72,204	2,229,653	
2017	1,866,355	310,654	63,280	2,240,289	
2018	1,935,110	308,602	64,413	2,308,125	
Forecast	2019	1,924,403	307,100	64,413	2,295,916
	2020	1,918,882	306,624	64,413	2,289,920
	2021	1,917,516	306,975	64,413	2,288,903
	2022	1,921,884	308,366	64,413	2,294,663
	2023	1,930,158	310,491	64,413	2,305,062
	2024	1,942,103	313,296	64,413	2,319,812
	2025	1,955,979	316,497	64,413	2,336,888

IFR Aircraft Handled By User Category
ZLA - Los Angeles, California ARTCC

2026	1,979,519	320,103	64,413	2,364,035
2027	2,004,958	324,050	64,413	2,393,422
2028	2,032,502	328,362	64,413	2,425,277
2029	2,061,446	332,919	64,413	2,458,779
2030	2,090,806	337,563	64,413	2,492,782
2031	2,120,604	342,294	64,413	2,527,311
2032	2,150,708	347,088	64,413	2,562,209
2033	2,180,541	351,854	64,413	2,596,808
2034	2,211,672	356,839	64,413	2,632,924
2035	2,243,891	362,007	64,413	2,670,311
2036	2,276,712	367,280	64,413	2,708,405
2037	2,309,328	372,529	64,413	2,746,270
2038	2,342,237	377,834	64,413	2,784,484
2039	2,375,566	383,215	64,413	2,823,194
2040	2,409,527	388,705	64,413	2,862,644
Average Annual Growth (2018-40)	1.0%	1.1%	0.0%	1.0%

IFR Aircraft Handled By User Category
ZLC - Salt Lake City, Utah ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	787,822	160,774	359,516	1,308,112
	1991	780,232	155,042	306,642	1,241,916
	1992	808,288	153,962	416,391	1,378,641
	1993	839,846	160,565	354,240	1,354,651
	1994	861,852	153,088	334,456	1,349,396
	1995	892,064	160,809	377,154	1,430,027
	1996	958,815	162,410	363,479	1,484,704
	1997	975,795	173,786	358,560	1,508,141
	1998	1,050,693	195,654	307,822	1,554,169
	1999	996,786	188,819	246,718	1,432,323
	2000	1,047,610	191,383	298,159	1,537,152
	2001	1,087,604	187,647	267,416	1,542,667
	2002	1,069,046	174,331	264,925	1,508,302
	2003	1,072,253	172,648	234,638	1,479,539
	2004	1,117,496	180,770	213,515	1,511,781
	2005	1,154,846	187,415	197,477	1,539,738
	2006	1,114,750	193,341	212,840	1,520,931
	2007	1,190,696	203,059	130,821	1,524,576
	2008	1,168,211	192,188	122,228	1,482,627
	2009	1,031,904	158,529	148,674	1,339,107
2010	1,086,054	171,461	46,709	1,304,224	
2011	1,090,221	172,521	36,766	1,299,508	
2012	1,051,659	174,288	33,427	1,259,374	
2013	1,058,122	180,367	31,345	1,269,834	
2014	1,115,561	186,798	31,334	1,333,693	
2015	1,115,763	188,439	32,885	1,337,087	
2016	1,171,502	190,677	32,262	1,394,441	
2017	1,210,640	188,542	29,872	1,429,054	
2018	1,248,499	192,409	28,884,	1,469,792	
Forecast	2019	1,264,555	195,445	28,884	1,488,884
	2020	1,276,950	197,927	28,884	1,503,761
	2021	1,285,684	199,854	28,884	1,514,422
	2022	1,293,747	201,687	28,884	1,524,317
	2023	1,306,304	204,233	28,884	1,539,421
	2024	1,322,513	207,367	28,884	1,558,764
	2025	1,339,092	210,578	28,884	1,578,554

IFR Aircraft Handled By User Category
ZLC - Salt Lake City, Utah ARTCC

2026	1,359,763	213,839	28,884	1,602,486
2027	1,380,623	217,130	28,884	1,626,637
2028	1,401,775	220,467	28,884	1,651,126
2029	1,423,143	223,838	28,884	1,675,865
2030	1,444,600	227,224	28,884	1,700,708
2031	1,466,130	230,622	28,884	1,725,635
2032	1,487,638	234,017	28,884	1,750,539
2033	1,509,090	237,403	28,884	1,775,377
2034	1,530,819	240,833	28,884	1,800,536
2035	1,552,913	244,322	28,884	1,826,119
2036	1,575,125	247,829	28,884	1,851,838
2037	1,597,312	251,333	28,884	1,877,529
2038	1,619,624	254,856	28,884	1,903,364
2039	1,642,133	258,412	28,884	1,929,429
2040	1,664,862	262,002	28,884	1,955,748
Average Annual Growth (2018-40)	1.3%	1.4%	0.0%	1.3%

IFR Aircraft Handled By User Category
ZOA - Oakland, California ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	1,083,489	227,375	382,310	1,693,174
	1991	1,083,294	208,075	381,730	1,673,099
	1992	1,063,423	203,122	361,432	1,627,977
	1993	1,087,110	200,861	226,910	1,514,881
	1994	1,109,173	196,768	198,419	1,504,360
	1995	1,170,990	200,036	195,094	1,566,120
	1996	1,194,185	193,718	180,712	1,568,615
	1997	1,226,926	194,758	154,184	1,575,868
	1998	1,220,465	228,763	165,866	1,615,094
	1999	1,218,810	231,149	167,891	1,617,850
	2000	1,252,272	245,480	177,049	1,674,801
	2001	1,262,737	234,486	180,568	1,677,791
	2002	1,162,718	239,850	196,281	1,598,849
	2003	1,187,737	224,493	174,968	1,587,198
	2004	1,254,452	230,850	198,666	1,683,968
	2005	1,266,461	236,814	186,071	1,689,346
	2006	1,311,733	230,213	164,591	1,706,537
	2007	1,300,190	233,474	172,250	1,705,914
	2008	1,261,962	228,368	221,197	1,711,527
	2009	1,075,486	193,845	189,988	1,459,319
2010	1,073,721	191,478	205,553	1,470,752	
2011	1,161,917	178,814	124,707	1,465,438	
2012	1,198,066	169,900	95,131	1,463,097	
2013	1,161,097	176,699	84,988	1,422,784	
2014	1,253,391	178,455	87,771	1,519,617	
2015	1,275,271	194,428	88,261	1,557,960	
2016	1,357,697	201,370	81,814	1,640,881	
2017	1,451,549	202,921	79,674	1,734,144	
2018	1,525,049	200,733	77,081	1,802,863	
Forecast	2019	1,556,280	195,493	77,081	1,828,854
	2020	1,582,259	192,174	77,081	1,851,514
	2021	1,603,793	189,626	77,081	1,870,499
	2022	1,624,685	187,417	77,081	1,889,182
	2023	1,649,636	185,425	77,081	1,912,142
	2024	1,678,999	183,594	77,081	1,939,674
	2025	1,709,256	181,844	77,081	1,968,181

IFR Aircraft Handled By User Category
ZOA - Oakland, California ARTCC

2026	1,743,671	180,787	77,081	2,001,539
2027	1,779,117	180,058	77,081	2,036,255
2028	1,815,874	179,500	77,081	2,072,455
2029	1,853,330	179,039	77,081	2,109,450
2030	1,891,183	178,636	77,081	2,146,900
2031	1,929,191	178,270	77,081	2,184,542
2032	1,967,186	177,928	77,081	2,222,195
2033	2,004,896	177,601	77,081	2,259,578
2034	2,043,628	177,299	77,081	2,298,008
2035	2,083,345	177,023	77,081	2,337,449
2036	2,123,532	176,768	77,081	2,377,381
2037	2,163,639	176,524	77,081	2,417,244
2038	2,204,105	176,290	77,081	2,457,476
2039	2,245,113	176,067	77,081	2,498,262
2040	2,286,837	175,858	77,081	2,539,776
Average Annual Growth (2018-40)	1.9%	-0.6%	0.0%	1.6%

IFR Aircraft Handled By User Category
ZSE - Seattle, Washington ARTCC

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	890,999	275,612	177,548	1,344,159
	1991	848,531	261,441	161,040	1,271,012
	1992	880,163	245,877	169,281	1,295,321
	1993	899,998	263,246	212,398	1,375,642
	1994	899,862	259,262	188,827	1,347,951
	1995	989,326	259,098	178,679	1,427,103
	1996	996,297	256,901	138,663	1,391,861
	1997	1,010,942	245,243	141,130	1,397,315
	1998	1,011,450	257,354	133,171	1,401,975
	1999	1,067,780	241,073	125,368	1,434,221
	2000	1,094,041	231,529	124,182	1,449,752
	2001	1,052,999	223,808	134,171	1,410,978
	2002	911,385	217,698	149,186	1,278,269
	2003	913,165	207,064	147,708	1,267,937
	2004	968,744	208,481	124,896	1,302,121
	2005	983,192	208,073	118,061	1,309,326
	2006	975,574	204,390	117,211	1,297,175
	2007	994,117	207,567	118,351	1,320,035
	2008	991,666	205,172	113,579	1,310,417
	2009	869,537	170,534	115,698	1,155,769
2010	871,314	171,665	126,094	1,169,073	
2011	853,268	161,314	72,621	1,087,203	
2012	809,864	148,296	67,407	1,025,567	
2013	793,157	150,341	72,348	1,015,846	
2014	843,146	147,720	72,386	1,063,252	
2015	878,140	154,390	69,594	1,102,124	
2016	941,698	157,255	74,674	1,173,627	
2017	973,035	159,828	73,575	1,206,438	
2018	1,008,283	166,463	77,867	1,252,613	
Forecast	2019	1,037,290	167,499	77,867	1,282,656
	2020	1,062,378	168,018	77,867	1,308,263
	2021	1,084,361	168,129	77,867	1,330,357
	2022	1,105,483	168,161	77,867	1,351,511
	2023	1,126,013	168,151	77,867	1,372,031
	2024	1,146,448	168,175	77,867	1,392,490
	2025	1,166,644	168,210	77,867	1,412,721

IFR Aircraft Handled By User Category
ZSE - Seattle, Washington ARTCC

2026	1,189,742	168,308	77,867	1,435,916
2027	1,213,327	168,510	77,867	1,459,703
2028	1,237,294	168,800	77,867	1,483,962
2029	1,261,698	169,189	77,867	1,508,754
2030	1,286,052	169,602	77,867	1,533,522
2031	1,315,107	170,041	77,867	1,563,015
2032	1,344,165	170,480	77,867	1,592,511
2033	1,373,114	170,902	77,867	1,621,883
2034	1,403,173	171,495	77,867	1,652,534
2035	1,434,267	172,248	77,867	1,684,382
2036	1,465,726	173,056	77,867	1,716,649
2037	1,497,303	173,883	77,867	1,749,054
2038	1,529,274	174,771	77,867	1,781,912
2039	1,562,151	175,798	77,867	1,815,816
2040	1,596,033	176,981	77,867	1,850,881
Average Annual Growth (2018-40)	2.1%	0.3%	0.0%	1.8%

IFR Aircraft Handled By User Category
ZUA - Guam CERAP

	Fiscal Year	Commercial	General Aviation	Military	Total
Actual	1990	33,590	845	10,471	44,906
	1991	50,933	1,402	9,038	61,373
	1992	84,971	1,787	10,351	97,109
	1993	87,809	1,829	11,261	100,899
	1994	95,436	1,258	9,711	106,405
	1995	115,924	891	10,357	127,172
	1996	119,895	988	8,119	129,002
	1997	128,331	1,082	5,984	135,397
	1998	107,352	1,055	4,417	112,824
	1999	95,024	2,005	5,480	102,509
	2000	99,797	3,365	6,897	110,059
	2001	110,442	4,985	12,885	128,312
	2002	102,687	2,119	14,510	119,316
	2003	101,659	2,150	10,555	114,364
	2004	128,707	3,494	11,306	143,507
	2005	167,714	4,444	23,957	196,115
	2006	193,698	4,930	38,037	236,665
	2007	196,344	3,260	55,406	255,010
	2008	189,639	3,283	45,567	238,489
	2009	165,865	3,551	44,017	213,433
2010	182,838	4,147	58,731	245,716	
2011	179,387	2,729	42,399	224,515	
2012	186,206	2,913	73,105	262,224	
2013	187,034	5,041	55,536	247,611	
2014	180,505	6,274	61,507	248,286	
2015	182,266	7,294	60,145	249,705	
2016	198,195	8,282	61,385	267,862	
2017	210,516	9,782	54,502	274,800	
2018	203,931	8,526	50,205	262,662	
Forecast	2019	208,010	8,654	50,205	266,869
	2020	212,170	8,784	50,205	271,159
	2021	216,413	8,915	50,205	275,534
	2022	220,742	9,049	50,205	279,996
	2023	225,156	9,185	50,205	284,546
	2024	229,659	9,323	50,205	289,187
	2025	234,253	9,463	50,205	293,920

IFR Aircraft Handled By User Category

ZUA - Guam CERAP

2026	238,938	9,604	50,205	298,747
2027	243,716	9,749	50,205	303,670
2028	248,591	9,895	50,205	308,691
2029	253,563	10,043	50,205	313,811
2030	258,634	10,194	50,205	319,033
2031	263,807	10,347	50,205	324,358
2032	269,083	10,502	50,205	329,790
2033	274,464	10,659	50,205	335,329
2034	279,954	10,819	50,205	340,978
2035	285,553	10,982	50,205	346,739
2036	291,264	11,146	50,205	352,615
2037	297,089	11,314	50,205	358,608
2038	303,031	11,483	50,205	364,719
2039	309,091	11,656	50,205	370,952
2040	315,273	11,830	50,205	377,309
Average Annual Growth (2018-40)	2.0%	1.5%	0.0%	1.7%