



FORECASTS OF IFR AIRCRAFT
HANDLED BY FAA AIR ROUTE
TRAFFIC CONTROL CENTERS
FY 2018-2040

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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 2018-2038*. 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 2.

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 2017 and forecasts for FY 2018 through FY 2040.

During the 23-year forecast period, the number of aircraft handled is forecast to increase 1.5 percent annually, going from 43.9 million aircraft handled in 2017 to 61.2 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 34.7 million aircraft handled in 2017 to 50.4 million in 2040--an average annual growth of 1.6 percent. General aviation aircraft handled are forecast to increase at a rate of 0.8 percent annually, totaling close to 9 million aircraft handled in 2040. Military aircraft handled are forecast to hold steady at 2017 levels and total 1.8 million in 2040.

Total IFR Aircraft Handled at Air Route Traffic Control Centers

Center	Location Identifier	Actual FY 2017	Forecast FY 2018	FY 2020	FY 2030	FY 2040	Average Annual % Growth (2017-2040)
Indianapolis	ZID	2,068,296	2,142,643	2,226,749	2,760,830	3,405,736	2.2%
Seattle	ZSE	1,206,438	1,248,547	1,316,653	1,608,391	1,945,815	2.1%
Jacksonville	ZJX	2,485,788	2,590,013	2,749,220	3,305,413	3,933,123	2.0%
Chicago	ZAU	2,422,857	2,505,157	2,634,883	3,162,688	3,830,261	2.0%
Fort Worth	ZFW	2,308,606	2,325,907	2,380,974	2,801,977	3,596,110	1.9%
Honolulu	HCF	471,946	492,780	511,690	608,491	720,272	1.9%
Oakland	ZOA	1,734,144	1,818,522	1,876,647	2,210,945	2,635,473	1.8%
Kansas City	ZKC	1,792,081	1,838,783	1,915,124	2,304,294	2,712,962	1.8%
Houston	ZHU	2,250,740	2,259,769	2,306,320	2,753,112	3,380,135	1.8%
Guam	ZUA	274,800	279,157	288,132	338,698	400,241	1.6%
New York	ZNY	2,706,705	2,754,700	2,853,002	3,332,296	3,908,718	1.6%
Salt Lake	ZLC	1,429,054	1,480,657	1,522,279	1,743,411	2,005,832	1.5%
Miami	ZMA	2,480,528	2,520,943	2,579,184	2,961,717	3,416,873	1.4%
Memphis	ZME	2,131,376	2,166,713	2,224,056	2,552,745	2,915,679	1.4%
Atlanta	ZTL	3,101,809	3,130,693	3,196,199	3,556,525	4,153,636	1.3%
Minneapolis	ZMP	1,977,176	2,017,984	2,051,963	2,299,521	2,632,329	1.3%
Los Angeles	ZLA	2,240,289	2,228,653	2,228,138	2,482,868	2,873,279	1.1%
Albuquerque	ZAB	1,566,140	1,577,634	1,615,651	1,776,602	1,950,643	1.0%
Anchorage	ZAN	595,686	587,135	600,931	664,821	737,915	0.9%
Leesburg	ZDC	2,527,500	2,571,323	2,606,231	2,777,252	2,991,816	0.7%
Denver	ZDV	1,819,597	1,832,175	1,866,976	1,993,465	2,149,879	0.7%
Cleveland	ZOB	2,415,492	2,459,743	2,450,405	2,555,329	2,784,897	0.6%
Nashua	ZBW	1,545,695	1,591,952	1,615,415	1,675,441	1,770,386	0.6%
San Juan	ZSU	304,548	277,039	281,050	307,904	346,779	0.6%
Grand Total		43,857,291	44,698,622	45,897,872	52,534,735	61,198,789	1.5%

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
Forecast	2018	13,349,051	3,100,999	677,568	17,127,618
	2019	13,564,508	3,123,675	677,568	17,365,751

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

2020	13,758,054	3,146,444	677,568	17,582,066
2021	13,911,314	3,166,011	677,568	17,754,893
2022	14,033,256	3,185,188	677,568	17,896,012
2023	14,216,430	3,212,915	677,568	18,106,913
2024	14,465,467	3,249,765	677,568	18,392,801
2025	14,736,834	3,291,594	677,568	18,705,997
2026	15,015,753	3,335,835	677,568	19,029,157
2027	15,302,006	3,382,175	677,568	19,361,749
2028	15,596,293	3,430,525	677,568	19,704,387
2029	15,898,109	3,480,802	677,568	20,056,479
2030	16,204,322	3,532,462	677,568	20,414,352
2031	16,514,557	3,585,283	677,568	20,777,408
2032	16,827,288	3,638,936	677,568	21,143,792
2033	17,141,711	3,693,171	677,568	21,512,451
2034	17,463,661	3,748,705	677,568	21,889,934
2035	17,793,139	3,805,590	677,568	22,276,297
2036	18,128,174	3,863,554	677,568	22,669,296
2037	18,465,849	3,922,184	677,568	23,065,600
2038	18,808,541	3,981,642	677,568	23,467,751
2039	19,157,341	4,042,052	677,568	23,876,961
2040	19,512,084	4,103,421	677,568	24,293,074
Average Annual Growth (2017-40)	1.8%	1.3%	0.0%	1.6%

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	
Forecast	2018	1,246,962	242,933	87,738	1,577,634
	2019	1,263,422	245,568	87,738	1,596,728
	2020	1,279,588	248,324	87,738	1,615,651
	2021	1,294,714	250,958	87,738	1,633,410
	2022	1,309,329	253,497	87,738	1,650,564
	2023	1,323,026	255,890	87,738	1,666,653
	2024	1,336,145	258,174	87,738	1,682,057

IFR Aircraft Handled By User Category

ZAB - Albuquerque, New Mexico ARTCC

2025	1,348,975	260,398	87,738	1,697,111
2026	1,361,941	262,629	87,738	1,712,308
2027	1,375,163	264,897	87,738	1,727,798
2028	1,388,763	267,226	87,738	1,743,726
2029	1,402,700	269,612	87,738	1,760,050
2030	1,416,827	272,036	87,738	1,776,602
2031	1,431,019	274,477	87,738	1,793,234
2032	1,445,183	276,916	87,738	1,809,838
2033	1,459,245	279,341	87,738	1,826,324
2034	1,473,666	281,814	87,738	1,843,217
2035	1,488,491	284,351	87,738	1,860,580
2036	1,503,552	286,935	87,738	1,878,225
2037	1,518,642	289,530	87,738	1,895,910
2038	1,533,932	292,157	87,738	1,913,827
2039	1,549,515	294,829	87,738	1,932,083
2040	1,565,358	297,547	87,738	1,950,643
Average Annual Growth (2017-40)	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	
Forecast	2018	2,089,642	396,125	19,389	2,505,157
	2019	2,154,290	399,432	19,389	2,573,112
	2020	2,211,279	404,215	19,389	2,634,883
	2021	2,252,233	409,860	19,389	2,681,481
	2022	2,266,039	415,553	19,389	2,700,981
	2023	2,295,908	421,710	19,389	2,737,007
	2024	2,345,808	428,796	19,389	2,793,993
	2025	2,398,058	436,182	19,389	2,853,628

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

2026	2,450,051	443,927	19,389	2,913,366
2027	2,502,502	451,993	19,389	2,973,884
2028	2,556,066	460,368	19,389	3,035,822
2029	2,610,696	469,036	19,389	3,099,121
2030	2,665,339	477,960	19,389	3,162,688
2031	2,720,025	487,108	19,389	3,226,522
2032	2,774,557	496,448	19,389	3,290,394
2033	2,828,681	505,947	19,389	3,354,017
2034	2,884,257	515,626	19,389	3,419,272
2035	2,941,210	525,502	19,389	3,486,101
2036	2,998,841	535,570	19,389	3,553,800
2037	3,056,305	545,804	19,389	3,621,499
2038	3,114,456	556,205	19,389	3,690,050
2039	3,173,551	566,780	19,389	3,759,720
2040	3,233,343	577,529	19,389	3,830,261
Average Annual Growth (2017-40)	2.1%	1.7%	0.0%	2.0%

**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	
Forecast	2018	1,684,426	466,213	175,268	2,325,906
	2019	1,711,006	469,531	175,268	2,355,806
	2020	1,734,708	470,997	175,268	2,380,974
	2021	1,759,328	471,622	175,268	2,406,219
	2022	1,786,409	472,222	175,268	2,433,899
	2023	1,816,896	473,374	175,268	2,465,537
	2024	1,851,100	475,398	175,268	2,501,766
	2025	1,888,300	478,296	175,268	2,541,864

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

2026	1,928,565	482,051	175,268	2,585,884
2027	1,971,834	486,619	175,268	2,633,720
2028	2,018,426	492,008	175,268	2,685,702
2029	2,068,559	498,233	175,268	2,742,060
2030	2,121,551	505,158	175,268	2,801,977
2031	2,177,462	512,706	175,268	2,865,436
2032	2,236,047	520,782	175,268	2,932,098
2033	2,297,213	529,309	175,268	3,001,790
2034	2,361,931	538,394	175,268	3,075,593
2035	2,430,135	548,055	175,268	3,153,457
2036	2,501,517	558,229	175,268	3,235,014
2037	2,575,765	568,821	175,268	3,319,854
2038	2,653,072	579,804	175,268	3,408,145
2039	2,733,729	591,198	175,268	3,500,195
2040	2,817,834	603,008	175,268	3,596,110
Average Annual Growth (2017-40)	2.3%	1.2%	0.0%	1.9%

**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	
Forecast	2018	1,584,915	473,249	201,605	2,259,769
	2019	1,599,827	478,677	201,605	2,280,108
	2020	1,619,212	485,503	201,605	2,306,320
	2021	1,639,469	492,600	201,605	2,333,674
	2022	1,659,999	499,784	201,605	2,361,387
	2023	1,683,416	507,869	201,605	2,392,890
	2024	1,711,080	517,283	201,605	2,429,968

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

2025	1,746,787	529,209	201,605	2,477,602
2026	1,784,938	541,900	201,605	2,528,443
2027	1,824,898	555,155	201,605	2,581,658
2028	1,866,516	568,929	201,605	2,637,050
2029	1,909,640	583,174	201,605	2,694,419
2030	1,953,772	597,734	201,605	2,753,111
2031	1,998,658	612,529	201,605	2,812,793
2032	2,044,003	627,468	201,605	2,873,076
2033	2,089,567	642,475	201,605	2,933,647
2034	2,135,771	657,683	201,605	2,995,059
2035	2,182,764	673,137	201,605	3,057,506
2036	2,230,429	688,801	201,605	3,120,835
2037	2,278,538	704,603	201,605	3,184,746
2038	2,327,020	720,523	201,605	3,249,148
2039	2,376,019	736,604	201,605	3,314,227
2040	2,425,649	752,882	201,605	3,380,135
Average Annual Growth (2017-40)	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	
Forecast	2018	1,739,705	369,060	33,878	2,142,643
	2019	1,777,196	376,020	33,878	2,187,094
	2020	1,810,102	382,768	33,878	2,226,749
	2021	1,836,611	388,096	33,878	2,258,585
	2022	1,861,400	393,250	33,878	2,288,528
	2023	1,896,425	401,044	33,878	2,331,347
	2024	1,942,239	411,134	33,878	2,387,251
	2025	1,991,681	421,699	33,878	2,447,259

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

2026	2,042,367	432,431	33,878	2,508,675
2027	2,093,785	443,295	33,878	2,570,958
2028	2,145,695	454,254	33,878	2,633,827
2029	2,198,046	465,304	33,878	2,697,227
2030	2,250,573	476,380	33,878	2,760,830
2031	2,303,192	487,472	33,878	2,824,542
2032	2,355,738	498,542	33,878	2,888,158
2033	2,408,142	509,579	33,878	2,951,599
2034	2,460,962	520,727	33,878	3,015,566
2035	2,514,267	531,979	33,878	3,080,125
2036	2,567,848	543,281	33,878	3,145,007
2037	2,621,362	554,555	33,878	3,209,795
2038	2,675,073	565,882	33,878	3,274,832
2039	2,729,015	577,258	33,878	3,340,152
2040	2,783,178	588,681	33,878	3,405,736
Average Annual Growth (2017-40)	2.2%	2.2%	0.0%	2.2%

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	
Forecast	2018	1,365,269	379,329	94,185	1,838,783
	2019	1,398,703	384,751	94,185	1,877,639
	2020	1,430,630	390,309	94,185	1,915,123
	2021	1,460,598	395,782	94,185	1,950,564
	2022	1,489,803	401,362	94,185	1,985,350
	2023	1,520,648	407,540	94,185	2,022,373
	2024	1,553,293	414,296	94,185	2,061,773
	2025	1,586,220	421,232	94,185	2,101,637

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

2026	1,619,244	428,276	94,185	2,141,706
2027	1,652,411	435,419	94,185	2,182,015
2028	1,685,815	442,664	94,185	2,222,664
2029	1,719,325	449,970	94,185	2,263,481
2030	1,752,812	457,298	94,185	2,304,294
2031	1,786,248	464,634	94,185	2,345,067
2032	1,819,536	471,950	94,185	2,385,672
2033	1,852,632	479,235	94,185	2,426,052
2034	1,885,980	486,587	94,185	2,466,751
2035	1,919,535	493,994	94,185	2,507,714
2036	1,953,155	501,420	94,185	2,548,760
2037	1,986,653	508,821	94,185	2,589,659
2038	2,020,192	516,234	94,185	2,630,611
2039	2,053,877	523,683	94,185	2,671,745
2040	2,087,628	531,149	94,185	2,712,962

Average Annual Growth (2017-40)	2.0%	1.5%	0.0%	1.8%
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**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	1,977,176	
Forecast	2018	1,548,663	430,276	39,045	2,017,983
	2019	1,568,588	430,037	39,045	2,037,670
	2020	1,583,106	429,811	39,045	2,051,962
	2021	1,588,695	429,598	39,045	2,057,338
	2022	1,591,809	429,398	39,045	2,060,253
	2023	1,608,358	429,209	39,045	2,076,613
	2024	1,637,562	429,032	39,045	2,105,638
	2025	1,669,259	428,864	39,045	2,137,168

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

2026	1,701,211	428,706	39,045	2,168,962
2027	1,733,595	428,557	39,045	2,201,197
2028	1,766,411	428,417	39,045	2,233,873
2029	1,799,320	428,285	39,045	2,266,650
2030	1,832,315	428,160	39,045	2,299,521
2031	1,865,391	428,043	39,045	2,332,480
2032	1,898,212	427,933	39,045	2,365,190
2033	1,930,863	427,828	39,045	2,397,736
2034	1,963,845	427,730	39,045	2,430,620
2035	1,997,190	427,638	39,045	2,463,873
2036	2,030,806	427,551	39,045	2,497,402
2037	2,064,171	427,469	39,045	2,530,684
2038	2,097,767	427,391	39,045	2,564,203
2039	2,131,710	427,318	39,045	2,598,073
2040	2,166,035	427,250	39,045	2,632,329
Average Annual Growth (2017-40)	1.6%	0.0%	0.0%	1.3%

**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	
Forecast	2018	2,089,469	343,814	26,460	2,459,743
	2019	2,091,475	339,659	26,460	2,457,594
	2020	2,089,428	334,517	26,460	2,450,404
	2021	2,079,668	327,495	26,460	2,433,623
	2022	2,068,468	320,122	26,460	2,415,051
	2023	2,071,753	316,279	26,460	2,414,492
	2024	2,088,241	315,653	26,460	2,430,354
	2025	2,107,554	315,715	26,460	2,449,729

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

2026	2,127,435	315,916	26,460	2,469,812
2027	2,147,819	316,239	26,460	2,490,519
2028	2,168,602	316,660	26,460	2,511,722
2029	2,189,823	317,187	26,460	2,533,470
2030	2,211,133	317,736	26,460	2,555,329
2031	2,232,562	318,314	26,460	2,577,336
2032	2,254,011	318,897	26,460	2,599,368
2033	2,275,368	319,457	26,460	2,621,285
2034	2,297,249	320,145	26,460	2,643,854
2035	2,319,547	320,935	26,460	2,666,942
2036	2,342,026	321,768	26,460	2,690,254
2037	2,364,413	322,580	26,460	2,713,452
2038	2,387,028	323,447	26,460	2,736,935
2039	2,409,924	324,382	26,460	2,760,766
2040	2,433,061	325,376	26,460	2,784,897
Average Annual Growth (2017-40)	0.7%	-0.2%	0.0%	0.6%

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	
Forecast	2018	13,745,099	3,224,560	633,716	17,603,375
	2019	13,980,542	3,266,435	633,716	17,880,692
	2020	14,174,416	3,296,224	633,716	18,104,356
	2021	14,330,752	3,314,582	633,716	18,279,050
	2022	14,472,529	3,324,611	633,716	18,430,856
	2023	14,654,811	3,332,400	633,716	18,620,927
	2024	14,877,686	3,340,041	633,716	18,851,443

IFR Aircraft Handled By User Category

Eastern Region Service Area (EEOSA)

2025	15,114,345	3,348,617	633,716	19,096,678
2026	15,363,830	3,359,740	633,716	19,357,286
2027	15,621,153	3,371,806	633,716	19,626,675
2028	15,884,093	3,384,206	633,716	19,902,015
2029	16,154,205	3,396,737	633,716	20,184,659
2030	16,425,713	3,409,864	633,716	20,469,293
2031	16,699,306	3,423,437	633,716	20,756,459
2032	16,973,850	3,437,227	633,716	21,044,793
2033	17,247,018	3,451,003	633,716	21,331,737
2034	17,524,347	3,465,184	633,716	21,623,247
2035	17,806,067	3,479,834	633,716	21,919,617
2036	18,090,946	3,494,819	633,716	22,219,481
2037	18,375,218	3,509,835	633,716	22,518,769
2038	18,662,476	3,525,050	633,716	22,821,242
2039	18,953,382	3,540,596	633,716	23,127,694
2040	19,246,868	3,556,423	633,716	23,437,008

**Average Annual
Growth (2017-40)**

1.6%

0.5%

0.0%

1.3%

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	
Forecast	2018	1,380,520	175,566	35,866	1,591,952
	2019	1,400,751	170,636	35,866	1,607,253
	2020	1,412,852	166,697	35,866	1,615,415
	2021	1,419,302	162,850	35,866	1,618,019
	2022	1,423,547	158,930	35,866	1,618,344
	2023	1,429,858	155,041	35,866	1,620,765
	2024	1,438,539	151,219	35,866	1,625,624
	2025	1,447,570	147,399	35,866	1,630,835

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

2026	1,456,602	146,020	35,866	1,638,488
2027	1,465,788	145,528	35,866	1,647,182
2028	1,475,184	145,363	35,866	1,656,413
2029	1,484,755	145,318	35,866	1,665,938
2030	1,494,265	145,311	35,866	1,675,441
2031	1,503,764	145,313	35,866	1,684,944
2032	1,513,117	145,312	35,866	1,694,295
2033	1,522,264	145,299	35,866	1,703,429
2034	1,531,663	145,286	35,866	1,712,815
2035	1,541,231	145,274	35,866	1,722,370
2036	1,550,847	145,260	35,866	1,731,973
2037	1,560,349	145,239	35,866	1,741,455
2038	1,569,934	145,214	35,866	1,751,014
2039	1,579,620	145,187	35,866	1,760,673
2040	1,589,363	145,157	35,866	1,770,386
Average Annual Growth (2017-40)	0.8%	-1.0%	0.0%	0.6%

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	
Forecast	2018	2,084,264	384,033	103,025	2,571,322
	2019	2,103,151	387,332	103,025	2,593,508
	2020	2,114,301	388,905	103,025	2,606,231
	2021	2,121,073	389,833	103,025	2,613,931
	2022	2,126,636	390,397	103,025	2,620,057
	2023	2,138,508	390,860	103,025	2,632,393
	2024	2,156,358	391,849	103,025	2,651,231
	2025	2,175,365	393,335	103,025	2,671,724

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

2026	2,194,515	394,918	103,025	2,692,458
2027	2,213,909	396,512	103,025	2,713,446
2028	2,233,413	398,127	103,025	2,734,565
2029	2,253,156	399,751	103,025	2,755,932
2030	2,272,832	401,395	103,025	2,777,252
2031	2,292,553	403,033	103,025	2,798,611
2032	2,312,083	404,675	103,025	2,819,783
2033	2,331,350	406,301	103,025	2,840,676
2034	2,351,004	407,906	103,025	2,861,935
2035	2,370,860	409,542	103,025	2,883,427
2036	2,390,870	411,196	103,025	2,905,091
2037	2,410,735	412,862	103,025	2,926,622
2038	2,430,722	414,516	103,025	2,948,263
2039	2,450,792	416,180	103,025	2,969,997
2040	2,470,940	417,851	103,025	2,991,816
Average Annual Growth (2017-40)	0.8%	0.4%	0.0%	0.7%

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
Forecast	2018	1,770,480	657,051	162,482	2,590,013
	2019	1,836,545	677,496	162,482	2,676,523
	2020	1,894,345	692,393	162,482	2,749,220
	2021	1,943,875	702,391	162,482	2,808,748
	2022	1,987,981	708,140	162,482	2,858,604
	2023	2,033,733	710,394	162,482	2,906,609
	2024	2,084,603	709,837	162,482	2,956,922
	2025	2,138,875	709,616	162,482	3,010,972

IFR Aircraft Handled By User Category

ZJX - Jacksonville, Florida ARTCC

2026	2,195,221	709,651	162,482	3,067,354
2027	2,253,123	709,864	162,482	3,125,469
2028	2,311,929	710,172	162,482	3,184,584
2029	2,371,551	710,508	162,482	3,244,541
2030	2,431,317	711,614	162,482	3,305,413
2031	2,491,328	713,307	162,482	3,367,117
2032	2,551,437	715,441	162,482	3,429,360
2033	2,611,269	717,889	162,482	3,491,640
2034	2,671,100	720,555	162,482	3,554,137
2035	2,731,106	723,370	162,482	3,616,958
2036	2,791,396	726,278	162,482	3,680,156
2037	2,851,453	729,225	162,482	3,743,160
2038	2,911,634	732,176	162,482	3,806,292
2039	2,972,085	735,105	162,482	3,869,671
2040	3,032,653	737,988	162,482	3,933,123
Average Annual Growth (2017-40)	2.6%	0.7%	0.0%	2.0%

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	
Forecast	2018	1,997,092	470,598	53,253	2,520,943
	2019	2,026,582	471,414	53,253	2,551,249
	2020	2,053,710	472,221	53,253	2,579,184
	2021	2,084,823	473,018	53,253	2,611,094
	2022	2,116,130	473,806	53,253	2,643,189
	2023	2,149,114	474,586	53,253	2,676,953
	2024	2,183,733	475,163	53,253	2,712,149
	2025	2,218,851	475,591	53,253	2,747,695

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

2026	2,260,197	475,908	53,253	2,789,358
2027	2,302,476	476,143	53,253	2,831,872
2028	2,345,013	476,317	53,253	2,874,582
2029	2,388,434	476,445	53,253	2,918,133
2030	2,431,923	476,541	53,253	2,961,717
2031	2,476,196	476,611	53,253	3,006,060
2032	2,520,945	476,646	53,253	3,050,845
2033	2,565,449	476,663	53,253	3,095,365
2034	2,610,340	476,672	53,253	3,140,265
2035	2,655,719	476,676	53,253	3,185,648
2036	2,701,599	476,678	53,253	3,231,530
2037	2,747,107	476,679	53,253	3,277,039
2038	2,793,258	476,680	53,253	3,323,191
2039	2,840,019	476,680	53,253	3,369,952
2040	2,886,940	476,680	53,253	3,416,873
Average Annual Growth (2017-40)	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	
Forecast	2018	1,532,194	493,405	141,114	2,166,713
	2019	1,553,389	501,234	141,114	2,195,737
	2020	1,574,625	508,317	141,114	2,224,056
	2021	1,595,029	514,957	141,114	2,251,100
	2022	1,615,564	521,599	141,114	2,278,277
	2023	1,638,590	529,036	141,114	2,308,740
	2024	1,663,875	537,200	141,114	2,342,190
	2025	1,689,843	545,584	141,114	2,376,541

IFR Aircraft Handled By User Category

ZME - Memphis, Tennessee ARTCC

2026	1,716,083	554,056	141,114	2,411,253
2027	1,742,549	562,601	141,114	2,446,264
2028	1,769,282	571,232	141,114	2,481,629
2029	1,796,144	579,905	141,114	2,517,163
2030	1,823,042	588,589	141,114	2,552,745
2031	1,850,062	597,313	141,114	2,588,489
2032	1,877,119	606,049	141,114	2,624,282
2033	1,904,162	614,780	141,114	2,660,056
2034	1,931,408	623,577	141,114	2,696,099
2035	1,958,845	632,435	141,114	2,732,393
2036	1,986,388	641,327	141,114	2,768,829
2037	2,013,962	650,230	141,114	2,805,306
2038	2,041,605	659,155	141,114	2,841,873
2039	2,069,412	668,133	141,114	2,878,658
2040	2,097,397	677,168	141,114	2,915,679
Average Annual Growth (2017-40)	1.4%	1.5%	0.0%	1.4%

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	
Forecast	2018	2,327,218	390,232	37,250	2,754,700
	2019	2,378,142	393,502	37,250	2,808,894
	2020	2,419,395	396,357	37,250	2,853,002
	2021	2,449,013	398,717	37,250	2,884,980
	2022	2,475,529	400,704	37,250	2,913,483
	2023	2,515,173	402,706	37,250	2,955,129
	2024	2,563,204	404,868	37,250	3,005,322
	2025	2,613,203	407,156	37,250	3,057,609

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

2026	2,663,873	409,522	37,250	3,110,645
2027	2,715,495	411,941	37,250	3,164,686
2028	2,767,929	414,397	37,250	3,219,575
2029	2,821,716	416,886	37,250	3,275,852
2030	2,875,659	419,387	37,250	3,332,296
2031	2,929,380	421,879	37,250	3,388,510
2032	2,983,072	424,354	37,250	3,444,676
2033	3,036,405	426,800	37,250	3,500,455
2034	3,090,768	429,235	37,250	3,557,253
2035	3,146,122	431,668	37,250	3,615,040
2036	3,201,858	434,096	37,250	3,673,204
2037	3,257,377	436,505	37,250	3,731,132
2038	3,313,490	438,903	37,250	3,789,643
2039	3,370,347	441,294	37,250	3,848,891
2040	3,427,787	443,680	37,250	3,908,717
Average Annual Growth (2017-40)	1.8%	0.6%	0.0%	1.6%

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
Forecast	2018	249,493	26,093	1,453	277,039
	2019	250,796	26,312	1,453	278,561
	2020	253,101	26,495	1,453	281,050
	2021	255,006	26,630	1,453	283,088
	2022	257,375	26,737	1,453	285,566
	2023	259,852	26,872	1,453	288,177
	2024	262,148	27,043	1,453	290,644
	2025	264,230	27,237	1,453	292,919

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

2026	266,047	27,452	1,453	294,952
2027	268,259	27,680	1,453	297,392
2028	270,871	27,918	1,453	300,243
2029	274,501	28,165	1,453	304,119
2030	278,031	28,420	1,453	307,904
2031	281,526	28,681	1,453	311,659
2032	285,035	28,946	1,453	315,434
2033	288,431	29,212	1,453	319,096
2034	291,848	29,486	1,453	322,787
2035	295,488	29,768	1,453	326,709
2036	299,217	30,055	1,453	330,725
2037	302,944	30,345	1,453	334,742
2038	306,673	30,639	1,453	338,765
2039	310,393	30,938	1,453	342,784
2040	314,083	31,243	1,453	346,779
Average Annual Growth (2017-40)	0.5%	0.8%	0.0%	0.6%

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
Forecast	2018	2,403,838	627,582	99,273	3,130,693
	2019	2,431,186	638,509	99,273	3,168,968
	2020	2,452,087	644,839	99,273	3,196,199
	2021	2,462,631	646,186	99,273	3,208,090
	2022	2,469,766	644,297	99,273	3,213,336
	2023	2,489,982	642,905	99,273	3,232,161
	2024	2,525,226	642,861	99,273	3,267,360
	2025	2,566,410	642,700	99,273	3,308,382

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

2026	2,611,291	642,214	99,273	3,352,778
2027	2,659,555	641,537	99,273	3,400,365
2028	2,710,471	640,680	99,273	3,450,425
2029	2,763,948	639,758	99,273	3,502,979
2030	2,818,644	638,608	99,273	3,556,524
2031	2,874,497	637,298	99,273	3,611,068
2032	2,931,042	635,804	99,273	3,666,119
2033	2,987,689	634,058	99,273	3,721,020
2034	3,046,216	632,468	99,273	3,777,956
2035	3,106,698	631,101	99,273	3,837,072
2036	3,168,772	629,928	99,273	3,897,973
2037	3,231,291	628,749	99,273	3,959,312
2038	3,295,159	627,768	99,273	4,022,200
2039	3,360,714	627,079	99,273	4,087,067
2040	3,427,706	626,656	99,273	4,153,636
Average Annual Growth (2017-40)	1.6%	0.1%	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	
Forecast	2018	8,326,872	1,187,487	453,266	9,967,625
	2019	8,457,021	1,186,028	453,266	10,096,315
	2020	8,571,949	1,186,232	453,266	10,211,446
	2021	8,670,655	1,186,909	453,266	10,310,829
	2022	8,769,231	1,188,677	453,266	10,411,174
	2023	8,888,302	1,192,030	453,266	10,533,598
	2024	9,028,155	1,196,823	453,266	10,678,244
	2025	9,172,881	1,202,153	453,266	10,828,300

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

2026	9,321,109	1,208,650	453,266	10,983,025
2027	9,473,915	1,215,916	453,266	11,143,097
2028	9,632,131	1,223,831	453,266	11,309,227
2029	9,794,044	1,232,203	453,266	11,479,513
2030	9,957,077	1,240,746	453,266	11,651,090
2031	10,120,938	1,249,443	453,266	11,823,647
2032	10,285,089	1,258,218	453,266	11,996,573
2033	10,448,472	1,266,949	453,266	12,168,687
2034	10,616,774	1,276,133	453,266	12,346,172
2035	10,789,583	1,285,743	453,266	12,528,592
2036	10,964,584	1,295,553	453,266	12,713,403
2037	11,139,689	1,305,364	453,266	12,898,319
2038	11,316,484	1,315,323	453,266	13,085,073
2039	11,496,262	1,325,540	453,266	13,275,068
2040	11,679,371	1,336,069	453,266	13,468,706

Average Annual Growth (2017-40)	1.6%	0.5%	0.0%	1.4%
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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
Forecast	2018	442,995	21,093	28,693	492,780
	2019	452,750	21,270	28,693	502,712
	2020	461,579	21,418	28,693	511,690
	2021	468,997	21,526	28,693	519,216
	2022	475,886	21,613	28,693	526,192
	2023	484,379	21,722	28,693	534,794
	2024	494,566	21,861	28,693	545,119
	2025	504,937	22,017	28,693	555,647

IFR Aircraft Handled By User Category
HCF - Honolulu, Hawaii Control Facility

2026	514,792	22,191	28,693	565,675
2027	524,940	22,375	28,693	576,008
2028	535,373	22,568	28,693	586,634
2029	546,077	22,768	28,693	597,538
2030	556,824	22,974	28,693	608,491
2031	567,298	23,184	28,693	619,176
2032	577,834	23,398	28,693	629,925
2033	588,379	23,614	28,693	640,686
2034	599,167	23,835	28,693	651,695
2035	610,090	24,063	28,693	662,846
2036	621,109	24,296	28,693	674,098
2037	632,166	24,530	28,693	685,389
2038	643,370	24,767	28,693	696,831
2039	654,758	25,009	28,693	708,460
2040	666,323	25,256	28,693	720,272
Average Annual Growth (2017-40)	2.0%	0.8%	0.0%	1.9%

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	
Forecast	2018	461,238	38,255	87,642	587,135
	2019	468,305	38,257	87,642	594,204
	2020	475,031	38,258	87,642	600,931
	2021	481,345	38,259	87,642	607,246
	2022	487,496	38,260	87,642	613,397
	2023	493,468	38,260	87,642	619,370
	2024	499,501	38,260	87,642	625,404
	2025	505,571	38,261	87,642	631,474

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

2026	511,824	38,261	87,642	637,727
2027	518,388	38,261	87,642	644,291
2028	525,224	38,261	87,642	651,127
2029	532,082	38,261	87,642	657,985
2030	538,918	38,261	87,642	664,821
2031	545,823	38,261	87,642	671,726
2032	552,675	38,261	87,642	678,579
2033	559,582	38,261	87,642	685,485
2034	566,706	38,261	87,642	692,609
2035	574,015	38,261	87,642	699,919
2036	581,432	38,261	87,642	707,336
2037	588,933	38,261	87,642	714,836
2038	596,518	38,261	87,642	722,421
2039	604,251	38,261	87,642	730,155
2040	612,012	38,261	87,642	737,915
Average Annual Growth (2017-40)	1.2%	0.0%	0.0%	0.9%

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	
Forecast	2018	1,536,147	259,999	36,028	1,832,175
	2019	1,556,297	260,669	36,028	1,852,994
	2020	1,569,728	261,220	36,028	1,866,976
	2021	1,575,411	261,673	36,028	1,873,112
	2022	1,577,574	262,046	36,028	1,875,649
	2023	1,586,080	262,354	36,028	1,884,462
	2024	1,600,978	262,607	36,028	1,899,613
	2025	1,616,635	262,815	36,028	1,915,477

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

2026	1,631,988	262,986	36,028	1,931,002
2027	1,647,249	263,127	36,028	1,946,405
2028	1,662,793	263,243	36,028	1,962,065
2029	1,678,511	263,339	36,028	1,977,878
2030	1,694,019	263,418	36,028	1,993,465
2031	1,709,489	263,482	36,028	2,008,999
2032	1,724,739	263,536	36,028	2,024,303
2033	1,739,664	263,580	36,028	2,039,271
2034	1,754,992	263,616	36,028	2,054,635
2035	1,770,675	263,645	36,028	2,070,348
2036	1,786,499	263,670	36,028	2,086,196
2037	1,802,243	263,690	36,028	2,101,961
2038	1,817,981	263,707	36,028	2,117,716
2039	1,833,956	263,720	36,028	2,133,704
2040	1,850,119	263,731	36,028	2,149,879
Average Annual Growth (2017-40)	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	
Forecast	2018	1,857,614	307,759	63,280	2,228,653
	2019	1,855,839	306,261	63,280	2,225,379
	2020	1,859,072	305,786	63,280	2,228,138
	2021	1,866,378	306,136	63,280	2,235,794
	2022	1,879,361	307,523	63,280	2,250,164
	2023	1,896,303	309,642	63,280	2,269,225
	2024	1,917,027	312,440	63,280	2,292,747
	2025	1,939,863	315,631	63,280	2,318,775

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

2026	1,964,977	319,229	63,280	2,347,485
2027	1,992,022	323,165	63,280	2,378,467
2028	2,021,210	327,464	63,280	2,411,955
2029	2,051,844	332,009	63,280	2,447,133
2030	2,082,948	336,640	63,280	2,482,868
2031	2,114,544	341,358	63,280	2,519,182
2032	2,146,502	346,140	63,280	2,555,922
2033	2,178,250	350,892	63,280	2,592,422
2034	2,211,351	355,863	63,280	2,630,494
2035	2,245,602	361,017	63,280	2,669,899
2036	2,280,518	366,276	63,280	2,710,074
2037	2,315,291	371,511	63,280	2,750,082
2038	2,350,423	376,801	63,280	2,790,504
2039	2,386,039	382,167	63,280	2,831,487
2040	2,422,357	387,642	63,280	2,873,279
Average Annual Growth (2017-40)	1.1%	1.0%	0.0%	1.1%

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	
Forecast	2018	1,255,298	195,487	29,872	1,480,657
	2019	1,275,100	198,571	29,872	1,503,543
	2020	1,291,314	201,093	29,872	1,522,279
	2021	1,303,910	203,051	29,872	1,536,833
	2022	1,315,895	204,913	29,872	1,550,680
	2023	1,332,536	207,500	29,872	1,569,907
	2024	1,353,009	210,684	29,872	1,593,565
	2025	1,373,982	213,947	29,872	1,617,800

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

2026	1,395,275	217,259	29,872	1,642,406
2027	1,416,764	220,603	29,872	1,667,239
2028	1,438,555	223,993	29,872	1,692,420
2029	1,460,571	227,419	29,872	1,717,862
2030	1,482,680	230,859	29,872	1,743,411
2031	1,504,867	234,311	29,872	1,769,050
2032	1,527,035	237,760	29,872	1,794,667
2033	1,549,148	241,201	29,872	1,820,220
2034	1,571,547	244,686	29,872	1,846,104
2035	1,594,324	248,230	29,872	1,872,425
2036	1,617,225	251,793	29,872	1,898,890
2037	1,640,102	255,353	29,872	1,925,327
2038	1,663,110	258,933	29,872	1,951,916
2039	1,686,325	262,546	29,872	1,978,743
2040	1,709,767	266,193	29,872	2,005,832

Average Annual Growth (2017-40)	1.5%	1.5%	0.0%	1.5%
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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	
Forecast	2018	1,545,456	193,391	79,674	1,818,522
	2019	1,581,224	188,343	79,674	1,849,240
	2020	1,611,828	185,145	79,674	1,876,647
	2021	1,638,053	182,690	79,674	1,900,417
	2022	1,663,759	180,562	79,674	1,923,995
	2023	1,693,769	178,643	79,674	1,952,086
	2024	1,728,479	176,879	79,674	1,985,032
	2025	1,764,296	175,193	79,674	2,019,163

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

2026	1,801,122	174,175	79,674	2,054,971
2027	1,839,067	173,472	79,674	2,092,213
2028	1,878,423	172,935	79,674	2,131,033
2029	1,918,561	172,491	79,674	2,170,726
2030	1,959,168	172,103	79,674	2,210,945
2031	1,999,994	171,750	79,674	2,251,418
2032	2,040,867	171,421	79,674	2,291,962
2033	2,081,503	171,106	79,674	2,332,283
2034	2,123,260	170,814	79,674	2,373,748
2035	2,166,102	170,549	79,674	2,416,325
2036	2,209,495	170,303	79,674	2,459,472
2037	2,252,869	170,068	79,674	2,502,611
2038	2,296,680	169,842	79,674	2,546,196
2039	2,341,121	169,628	79,674	2,590,423
2040	2,386,373	169,426	79,674	2,635,473
Average Annual Growth (2017-40)	2.2%	-0.8%	0.0%	1.8%

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	
Forecast	2018	1,013,398	161,574	73,575	1,248,547
	2019	1,048,487	162,580	73,575	1,284,642
	2020	1,079,995	163,083	73,575	1,316,653
	2021	1,108,691	163,191	73,575	1,345,457
	2022	1,136,833	163,222	73,575	1,373,630
	2023	1,164,692	163,213	73,575	1,401,479
	2024	1,192,778	163,235	73,575	1,429,588
	2025	1,220,945	163,269	73,575	1,457,789

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

2026	1,249,547	163,364	73,575	1,486,486
2027	1,278,867	163,560	73,575	1,516,002
2028	1,308,801	163,843	73,575	1,546,219
2029	1,339,413	164,220	73,575	1,577,208
2030	1,370,195	164,621	73,575	1,608,391
2031	1,401,151	165,047	73,575	1,639,773
2032	1,432,110	165,473	73,575	1,671,157
2033	1,462,953	165,882	73,575	1,702,410
2034	1,494,978	166,458	73,575	1,735,011
2035	1,528,108	167,189	73,575	1,768,871
2036	1,561,624	167,974	73,575	1,803,173
2037	1,595,268	168,777	73,575	1,837,620
2038	1,629,330	169,638	73,575	1,872,544
2039	1,664,358	170,635	73,575	1,908,568
2040	1,700,457	171,783	73,575	1,945,815

Average Annual Growth (2017-40)	2.5%	0.3%	0.0%	2.1%
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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	
Forecast	2018	214,726	9,929	54,502	279,157
	2019	219,021	10,078	54,502	283,601
	2020	223,401	10,229	54,502	288,132
	2021	227,869	10,382	54,502	292,754
	2022	232,427	10,538	54,502	297,467
	2023	237,075	10,696	54,502	302,273
	2024	241,817	10,857	54,502	307,175
	2025	246,653	11,019	54,502	312,174

IFR Aircraft Handled By User Category

ZUA - Guam CERAP

2026	251,586	11,185	54,502	317,273
2027	256,618	11,352	54,502	322,472
2028	261,750	11,523	54,502	327,775
2029	266,985	11,696	54,502	333,183
2030	272,325	11,871	54,502	338,698
2031	277,771	12,049	54,502	344,322
2032	283,327	12,230	54,502	350,059
2033	288,993	12,413	54,502	355,909
2034	294,773	12,599	54,502	361,875
2035	300,669	12,788	54,502	367,959
2036	306,682	12,980	54,502	374,164
2037	312,816	13,175	54,502	380,493
2038	319,072	13,373	54,502	386,947
2039	325,453	13,573	54,502	393,529
2040	331,963	13,777	54,502	400,241
Average Annual Growth (2017-40)	2.0%	1.5%	0.0%	1.6%