



FORECASTS OF IFR AIRCRAFT  
HANDLED BY FAA AIR ROUTE  
TRAFFIC CONTROL CENTERS  
FY 2016-2040

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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 2016-2036*. 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 2015 and forecasts for FY 2016 through FY 2040.

During the 25-year forecast period, the number of aircraft handled is forecast to increase 1.4 percent annually, going from 41.9 million aircraft handled in 2015 to 59.2 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 33.1 million aircraft handled in 2015 to 49.0 million in 2040--an average annual growth of 1.6 percent. General aviation aircraft handled are forecast to increase at a rate of 0.7 percent annually, totaling 8.3 million aircraft handled in 2040. Military aircraft handled are forecast to hold steady at 2015 levels and total 1.8 million in 2040.

## Total IFR Aircraft Handled at Air Route Traffic Control Centers

Center	Location Identifier	Actual FY 2015	Forecast FY 2016	FY 2020	FY 2030	FY 2040	Average Annual % Growth (2015-2040)
Indianapolis	ZID	1,953,334	2,027,935	2,248,064	2,847,096	3,519,025	2.4%
Fort Worth	ZFW	2,273,465	2,293,100	2,452,647	3,035,758	3,965,970	2.3%
Seattle	ZSE	1,102,124	1,195,174	1,289,966	1,510,837	1,767,546	1.9%
Kansas City	ZKC	1,717,758	1,737,873	1,821,702	2,153,018	2,707,529	1.8%
New York	ZNY	2,611,131	2,645,269	2,827,755	3,312,238	3,892,577	1.6%
Honolulu	HCF	488,415	497,291	532,294	623,213	727,002	1.6%
Guam	ZUA	249,705	253,460	269,239	314,570	369,755	1.6%
Houston	ZHU	2,241,133	2,246,188	2,351,982	2,755,447	3,208,871	1.4%
Memphis	ZME	2,032,575	2,071,063	2,229,883	2,571,039	2,909,686	1.4%
Oakland	ZOA	1,557,960	1,570,140	1,654,672	1,905,288	2,201,014	1.4%
Salt Lake	ZLC	1,337,087	1,350,903	1,434,064	1,649,321	1,885,633	1.4%
Miami	ZMA	2,577,234	2,645,891	2,785,350	3,182,469	3,611,761	1.4%
Los Angeles	ZLA	2,118,926	2,136,524	2,242,269	2,551,127	2,910,320	1.3%
Minneapolis	ZMP	1,895,435	1,902,564	2,016,082	2,296,373	2,602,170	1.3%
Atlanta	ZTL	2,923,189	3,039,934	3,226,993	3,519,623	4,005,701	1.3%
Jacksonville	ZJX	2,272,655	2,224,143	2,268,851	2,650,322	3,112,097	1.3%
Chicago	ZAU	2,258,724	2,206,336	2,285,525	2,610,292	3,085,983	1.3%
Denver	ZDV	1,696,035	1,722,743	1,832,717	2,003,718	2,177,026	1.0%
Anchorage	ZAN	579,351	604,592	648,112	695,873	742,142	1.0%
San Juan	ZSU	309,799	324,338	333,830	358,854	386,161	0.9%
Albuquerque	ZAB	1,518,002	1,559,084	1,675,436	1,783,598	1,857,814	0.8%
Leesburg	ZDC	2,426,733	2,452,766	2,546,050	2,747,289	2,958,947	0.8%
Nashua	ZBW	1,472,544	1,511,402	1,550,858	1,651,256	1,790,308	0.8%
Cleveland	ZOB	2,304,949	2,322,616	2,372,382	2,547,042	2,764,474	0.7%
<b>Grand Total</b>		<b>41,918,263</b>	<b>42,541,329</b>	<b>44,896,720</b>	<b>51,275,662</b>	<b>59,159,511</b>	<b>1.4%</b>

## 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
<b>Actual</b>	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	
<b>Forecast</b>	2016	12,666,717	2,950,166	678,813	16,295,696
	2017	12,885,141	2,977,305	678,813	16,541,259
	2018	13,084,373	2,999,413	678,813	16,762,599
	2019	13,281,499	3,021,971	678,813	16,982,283

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

2020	13,495,805	3,049,201	678,813	17,223,820
2021	13,703,488	3,074,631	678,813	17,456,932
2022	13,887,813	3,094,253	678,813	17,660,879
2023	14,088,714	3,118,853	678,813	17,886,381
2024	14,331,043	3,154,080	678,813	18,163,936
2025	14,585,993	3,192,362	678,813	18,457,168
2026	14,850,278	3,233,001	678,813	18,762,093
2027	15,119,198	3,274,685	678,813	19,072,696
2028	15,390,455	3,317,009	678,813	19,386,277
2029	15,665,432	3,360,350	678,813	19,704,594
2030	15,945,051	3,404,760	678,813	20,028,624
2031	16,228,045	3,449,896	678,813	20,356,754
2032	16,518,369	3,496,905	678,813	20,694,087
2033	16,819,308	3,546,163	678,813	21,044,284
2034	17,130,934	3,597,918	678,813	21,407,666
2035	17,449,854	3,651,184	678,813	21,779,850
2036	17,774,638	3,705,631	678,813	22,159,083
2037	18,101,658	3,760,442	678,813	22,540,913
2038	18,433,236	3,816,061	678,813	22,928,110
2039	18,766,775	3,871,936	678,813	23,317,525
2040	19,104,509	3,928,515	678,813	23,711,837

**Average Annual  
Growth (2015-40)**

1.7%

1.2%

0.0%

1.5%



**IFR Aircraft Handled By User Category**  
**ZAB - Albuquerque, New Mexico ARTCC**

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,222,954	240,458	95,672	1,559,084
	2017	1,256,127	246,333	95,672	1,598,132
	2018	1,282,214	251,125	95,672	1,629,011
	2019	1,303,376	255,017	95,672	1,654,064
	2020	1,321,460	258,305	95,672	1,675,436
	2021	1,336,521	261,052	95,672	1,693,245
	2022	1,349,140	263,352	95,672	1,708,165
	2023	1,359,578	265,260	95,672	1,720,510
	2024	1,369,018	266,953	95,672	1,731,643

## IFR Aircraft Handled By User Category

### ZAB - Albuquerque, New Mexico ARTCC

2025	1,377,564	268,480	95,672	1,741,716
2026	1,385,593	269,902	95,672	1,751,168
2027	1,392,987	271,215	95,672	1,759,874
2028	1,399,975	272,450	95,672	1,768,097
2029	1,406,652	273,626	95,672	1,775,951
2030	1,413,158	274,768	95,672	1,783,598
2031	1,419,438	275,870	95,672	1,790,980
2032	1,425,707	276,964	95,672	1,798,342
2033	1,431,989	278,058	95,672	1,805,719
2034	1,438,413	279,172	95,672	1,813,257
2035	1,444,788	280,283	95,672	1,820,743
2036	1,451,120	281,387	95,672	1,828,179
2037	1,457,431	282,487	95,672	1,835,590
2038	1,464,189	283,650	95,672	1,843,510
2039	1,470,271	284,728	95,672	1,850,671
2040	1,476,351	285,791	95,672	1,857,814

**Average Annual  
Growth (2015-40)**

0.9%

0.8%

0.0%

0.8%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,856,438	331,891	18,007	2,206,336
	2017	1,882,151	330,364	18,007	2,230,521
	2018	1,902,648	327,128	18,007	2,247,782
	2019	1,922,155	323,567	18,007	2,263,730
	2020	1,946,068	321,450	18,007	2,285,525
	2021	1,965,747	317,946	18,007	2,301,700
	2022	1,976,393	311,484	18,007	2,305,884
	2023	1,994,617	307,504	18,007	2,320,128
	2024	2,028,816	308,755	18,007	2,355,579
	2025	2,067,031	311,322	18,007	2,396,360

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

2026	2,106,812	314,401	18,007	2,439,221
2027	2,146,994	317,612	18,007	2,482,613
2028	2,186,547	320,617	18,007	2,525,171
2029	2,226,218	323,661	18,007	2,567,886
2030	2,265,657	326,628	18,007	2,610,292
2031	2,304,762	329,486	18,007	2,652,255
2032	2,344,839	332,663	18,007	2,695,509
2033	2,386,340	336,306	18,007	2,740,653
2034	2,429,954	340,641	18,007	2,788,601
2035	2,474,044	345,131	18,007	2,837,183
2036	2,519,042	349,920	18,007	2,886,968
2037	2,563,962	354,682	18,007	2,936,652
2038	2,609,046	359,498	18,007	2,986,551
2039	2,653,845	364,221	18,007	3,036,073
2040	2,698,936	369,040	18,007	3,085,983
<b>Average Annual Growth (2015-40)</b>	1.4%	0.2%	0.0%	1.3%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
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	
Forecast	2016	1,669,985	451,232	171,884	2,293,100
	2017	1,702,103	459,290	171,884	2,333,277
	2018	1,732,255	465,284	171,884	2,369,423
	2019	1,763,932	472,107	171,884	2,407,924
	2020	1,800,250	480,513	171,884	2,452,647
	2021	1,837,381	488,712	171,884	2,497,977
	2022	1,872,191	495,741	171,884	2,539,816
	2023	1,910,022	503,992	171,884	2,585,897
	2024	1,954,242	514,345	171,884	2,640,471
	2025	2,001,489	525,218	171,884	2,698,592

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

2026	2,051,921	536,938	171,884	2,760,744
2027	2,104,484	548,998	171,884	2,825,366
2028	2,159,176	561,472	171,884	2,892,532
2029	2,216,235	574,418	171,884	2,962,537
2030	2,275,958	587,917	171,884	3,035,758
2031	2,338,198	601,874	171,884	3,111,955
2032	2,404,095	616,709	171,884	3,192,688
2033	2,473,536	632,268	171,884	3,277,687
2034	2,546,634	648,588	171,884	3,367,106
2035	2,622,660	665,365	171,884	3,459,909
2036	2,701,294	682,518	171,884	3,555,696
2037	2,782,351	699,974	171,884	3,654,209
2038	2,865,715	717,689	171,884	3,755,288
2039	2,951,494	735,693	171,884	3,859,071
2040	3,040,012	754,074	171,884	3,965,970
<b>Average Annual Growth (2015-40)</b>	2.5%	2.1%	0.0%	2.3%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,595,798	456,878	193,512	2,246,188
	2017	1,609,996	461,982	193,512	2,265,490
	2018	1,628,191	468,306	193,512	2,290,009
	2019	1,649,620	475,616	193,512	2,318,749
	2020	1,674,492	483,977	193,512	2,351,982
	2021	1,701,570	493,012	193,512	2,388,094
	2022	1,729,228	502,223	193,512	2,424,963
	2023	1,757,651	511,667	193,512	2,462,830
	2024	1,787,217	521,461	193,512	2,502,190

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

2025	1,817,687	531,530	193,512	2,542,729
2026	1,848,956	541,843	193,512	2,584,311
2027	1,880,697	552,301	193,512	2,626,509
2028	1,912,792	562,866	193,512	2,669,170
2029	1,945,147	573,510	193,512	2,712,170
2030	1,977,715	584,220	193,512	2,755,447
2031	2,010,476	594,988	193,512	2,798,977
2032	2,043,740	605,910	193,512	2,843,162
2033	2,077,511	616,987	193,512	2,888,010
2034	2,111,802	628,222	193,512	2,933,536
2035	2,146,465	639,571	193,512	2,979,548
2036	2,181,236	650,953	193,512	3,025,701
2037	2,215,976	662,325	193,512	3,071,813
2038	2,250,599	673,662	193,512	3,117,773
2039	2,284,967	684,920	193,512	3,163,399
2040	2,319,216	696,143	193,512	3,208,871
<b>Average Annual Growth (2015-40)</b>	1.5%	1.7%	0.0%	1.4%



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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,643,569	350,347	34,020	2,027,935
	2017	1,693,798	358,469	34,020	2,086,287
	2018	1,740,347	366,100	34,020	2,140,468
	2019	1,785,720	373,605	34,020	2,193,345
	2020	1,832,639	381,405	34,020	2,248,064
	2021	1,878,487	389,060	34,020	2,301,566
	2022	1,920,057	396,031	34,020	2,350,108
	2023	1,964,434	403,468	34,020	2,401,922
	2024	2,015,955	412,082	34,020	2,462,057
	2025	2,070,071	421,138	34,020	2,525,229

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

2026	2,125,204	430,373	34,020	2,589,598
2027	2,180,414	439,632	34,020	2,654,066
2028	2,235,626	448,899	34,020	2,718,544
2029	2,290,643	458,138	34,020	2,782,800
2030	2,345,692	467,384	34,020	2,847,096
2031	2,400,723	476,630	34,020	2,911,372
2032	2,456,228	485,954	34,020	2,976,203
2033	2,512,876	495,468	34,020	3,042,364
2034	2,570,720	505,179	34,020	3,109,919
2035	2,628,895	514,949	34,020	3,177,863
2036	2,687,619	524,811	34,020	3,246,450
2037	2,745,876	534,599	34,020	3,314,495
2038	2,804,300	544,416	34,020	3,382,736
2039	2,862,675	554,225	34,020	3,450,920
2040	2,920,981	564,024	34,020	3,519,025
<b>Average Annual Growth (2015-40)</b>	2.5%	2.0%	0.0%	2.4%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,262,234	373,561	102,078	1,737,873
	2017	1,277,512	379,118	102,078	1,758,708
	2018	1,292,258	384,133	102,078	1,778,469
	2019	1,307,763	389,069	102,078	1,798,910
	2020	1,325,279	394,345	102,078	1,821,702
	2021	1,343,045	399,542	102,078	1,844,666
	2022	1,360,045	404,427	102,078	1,866,550
	2023	1,379,492	409,898	102,078	1,891,469
	2024	1,403,262	416,487	102,078	1,921,827
	2025	1,429,020	423,575	102,078	1,954,673

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

2026	1,456,595	431,129	102,078	1,989,803
2027	1,485,953	439,147	102,078	2,027,178
2028	1,516,978	447,603	102,078	2,066,659
2029	1,549,900	456,564	102,078	2,108,542
2030	1,584,867	466,073	102,078	2,153,018
2031	1,621,308	475,977	102,078	2,199,362
2032	1,659,309	486,300	102,078	2,247,687
2033	1,699,290	497,159	102,078	2,298,527
2034	1,741,372	508,585	102,078	2,352,035
2035	1,785,465	520,556	102,078	2,408,098
2036	1,830,588	532,806	102,078	2,465,473
2037	1,876,608	545,300	102,078	2,523,986
2038	1,923,723	558,091	102,078	2,583,892
2039	1,971,813	571,146	102,078	2,645,037
2040	2,020,962	584,489	102,078	2,707,529

**Average Annual  
Growth (2015-40)**

1.9%

1.9%

0.0%

1.8%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,433,263	429,706	39,595	1,902,564
	2017	1,464,134	429,321	39,595	1,933,050
	2018	1,492,084	428,958	39,595	1,960,637
	2019	1,519,300	428,616	39,595	1,987,511
	2020	1,548,194	428,293	39,595	2,016,082
	2021	1,576,144	427,988	39,595	2,043,727
	2022	1,600,994	427,701	39,595	2,068,290
	2023	1,626,289	427,430	39,595	2,093,315
	2024	1,655,094	427,175	39,595	2,121,864
	2025	1,684,162	426,933	39,595	2,150,691

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

2026	1,713,769	426,706	39,595	2,180,070
2027	1,743,604	426,492	39,595	2,209,691
2028	1,772,918	426,289	39,595	2,238,802
2029	1,801,836	426,098	39,595	2,267,530
2030	1,830,859	425,918	39,595	2,296,373
2031	1,859,873	425,749	39,595	2,325,216
2032	1,888,952	425,589	39,595	2,354,136
2033	1,919,237	425,437	39,595	2,384,269
2034	1,950,061	425,295	39,595	2,414,951
2035	1,981,291	425,161	39,595	2,446,047
2036	2,012,743	425,034	39,595	2,477,372
2037	2,044,073	424,914	39,595	2,508,583
2038	2,075,259	424,802	39,595	2,539,655
2039	2,106,475	424,695	39,595	2,570,765
2040	2,137,981	424,595	39,595	2,602,170
<b>Average Annual Growth (2015-40)</b>	1.6%	-0.1%	0.0%	1.3%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,982,478	316,092	24,045	2,322,616
	2017	1,999,321	312,428	24,045	2,335,794
	2018	2,014,376	308,379	24,045	2,346,800
	2019	2,029,633	304,373	24,045	2,358,051
	2020	2,047,424	300,912	24,045	2,372,382
	2021	2,064,593	297,318	24,045	2,385,956
	2022	2,079,765	293,294	24,045	2,397,104
	2023	2,096,631	289,634	24,045	2,410,310
	2024	2,117,438	286,822	24,045	2,428,304
	2025	2,138,968	284,165	24,045	2,447,178

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

2026	2,161,427	281,707	24,045	2,467,179
2027	2,184,065	279,288	24,045	2,487,399
2028	2,206,443	276,813	24,045	2,507,301
2029	2,228,800	274,334	24,045	2,527,179
2030	2,251,145	271,852	24,045	2,547,042
2031	2,273,268	269,322	24,045	2,566,636
2032	2,295,499	266,816	24,045	2,586,360
2033	2,318,529	264,481	24,045	2,607,055
2034	2,341,979	262,237	24,045	2,628,261
2035	2,366,246	260,168	24,045	2,650,459
2036	2,390,995	258,203	24,045	2,673,243
2037	2,415,381	256,160	24,045	2,695,585
2038	2,440,405	254,254	24,045	2,718,704
2039	2,465,236	252,306	24,045	2,741,586
2040	2,490,070	250,359	24,045	2,764,474
<b>Average Annual Growth (2015-40)</b>	1.0%	-1.0%	0.0%	0.7%



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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	13,367,730	2,925,556	621,520	16,914,806
	2017	13,593,630	2,942,934	621,520	17,158,084
	2018	13,791,858	2,952,421	621,520	17,365,799
	2019	13,980,683	2,957,980	621,520	17,560,184
	2020	14,183,940	2,964,109	621,520	17,769,569
	2021	14,383,003	2,968,508	621,520	17,973,031
	2022	14,555,709	2,967,618	621,520	18,144,847
	2023	14,740,024	2,967,080	621,520	18,328,625
	2024	14,958,407	2,967,664	621,520	18,547,590

## IFR Aircraft Handled By User Category

### Eastern Region Service Area (EEOSA)

2025	15,186,782	2,967,702	621,520	18,776,004
2026	15,423,521	2,970,409	621,520	19,015,450
2027	15,664,997	2,973,923	621,520	19,260,439
2028	15,906,124	2,977,456	621,520	19,505,100
2029	16,146,810	2,980,548	621,520	19,748,878
2030	16,387,989	2,983,581	621,520	19,993,090
2031	16,629,898	2,986,647	621,520	20,238,064
2032	16,877,674	2,988,659	621,520	20,487,853
2033	17,133,385	2,991,336	621,520	20,746,241
2034	17,397,340	2,995,383	621,520	21,014,243
2035	17,666,161	3,000,370	621,520	21,288,051
2036	17,937,360	3,005,879	621,520	21,564,758
2037	18,205,680	3,011,095	621,520	21,838,295
2038	18,477,822	3,016,624	621,520	22,115,966
2039	18,748,258	3,022,026	621,520	22,391,804
2040	19,018,357	3,027,361	621,520	22,667,238

**Average Annual  
Growth (2015-40)**

1.5%

0.2%

0.0%

1.2%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,289,649	186,543	35,210	1,511,402
	2017	1,306,914	184,936	35,210	1,527,060
	2018	1,318,813	182,341	35,210	1,536,364
	2019	1,329,005	179,341	35,210	1,543,556
	2020	1,339,450	176,198	35,210	1,550,858
	2021	1,348,682	172,918	35,210	1,556,810
	2022	1,355,857	169,477	35,210	1,560,544
	2023	1,364,427	166,016	35,210	1,565,653
	2024	1,376,809	162,655	35,210	1,574,674
	2025	1,389,792	159,291	35,210	1,584,294

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

2026	1,403,095	158,532	35,210	1,596,837
2027	1,417,101	158,512	35,210	1,610,823
2028	1,430,320	158,663	35,210	1,624,193
2029	1,443,743	158,863	35,210	1,637,817
2030	1,456,981	159,065	35,210	1,651,256
2031	1,469,860	159,250	35,210	1,664,320
2032	1,482,778	159,425	35,210	1,677,413
2033	1,496,261	159,612	35,210	1,691,083
2034	1,509,922	159,801	35,210	1,704,933
2035	1,523,961	159,999	35,210	1,719,170
2036	1,538,123	160,196	35,210	1,733,529
2037	1,551,912	160,376	35,210	1,747,497
2038	1,566,321	160,564	35,210	1,762,095
2039	1,580,350	160,737	35,210	1,776,297
2040	1,594,203	160,894	35,210	1,790,308

<b>Average Annual Growth (2015-40)</b>	1.0%	-0.6%	0.0%	0.8%
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**IFR Aircraft Handled By User Category**  
**ZDC - Leesburg, Virginia ARTCC**

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,991,469	356,181	105,116	2,452,766
	2017	2,018,171	359,820	105,116	2,483,107
	2018	2,040,283	361,222	105,116	2,506,621
	2019	2,058,987	361,762	105,116	2,525,865
	2020	2,078,964	361,970	105,116	2,546,050
	2021	2,098,783	362,050	105,116	2,565,949
	2022	2,115,138	362,081	105,116	2,582,335
	2023	2,132,886	362,093	105,116	2,600,095
	2024	2,153,762	362,097	105,116	2,620,976
	2025	2,175,170	362,099	105,116	2,642,385

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

2026	2,196,683	362,100	105,116	2,663,899
2027	2,218,200	362,100	105,116	2,685,416
2028	2,239,072	362,100	105,116	2,706,289
2029	2,259,640	362,100	105,116	2,726,857
2030	2,280,073	362,100	105,116	2,747,289
2031	2,300,460	362,100	105,116	2,767,676
2032	2,320,959	362,100	105,116	2,788,175
2033	2,342,128	362,100	105,116	2,809,344
2034	2,363,880	362,100	105,116	2,831,097
2035	2,385,572	362,100	105,116	2,852,789
2036	2,407,393	362,100	105,116	2,874,609
2037	2,428,743	362,100	105,116	2,895,960
2038	2,450,111	362,100	105,116	2,917,327
2039	2,471,104	362,100	105,116	2,938,320
2040	2,491,731	362,100	105,116	2,958,947
<b>Average Annual Growth (2015-40)</b>	0.9%	0.2%	0.0%	0.8%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,586,557	490,427	147,159	2,224,143
	2017	1,590,785	474,397	147,159	2,212,341
	2018	1,608,163	464,318	147,159	2,219,641
	2019	1,633,995	458,065	147,159	2,239,219
	2020	1,666,748	454,944	147,159	2,268,851
	2021	1,703,210	453,501	147,159	2,303,870
	2022	1,739,335	451,906	147,159	2,338,400
	2023	1,775,773	450,452	147,159	2,373,384
	2024	1,813,435	449,552	147,159	2,410,145
	2025	1,851,859	448,997	147,159	2,448,015

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

2026	1,891,210	448,861	147,159	2,487,230
2027	1,931,305	449,062	147,159	2,527,527
2028	1,972,005	449,537	147,159	2,568,701
2029	2,012,341	449,847	147,159	2,609,347
2030	2,052,903	450,260	147,159	2,650,322
2031	2,093,497	450,687	147,159	2,691,343
2032	2,135,361	451,689	147,159	2,734,208
2033	2,178,535	453,283	147,159	2,778,977
2034	2,223,013	455,468	147,159	2,825,640
2035	2,268,371	458,051	147,159	2,873,581
2036	2,314,064	460,785	147,159	2,922,008
2037	2,359,430	463,372	147,159	2,969,961
2038	2,404,645	465,890	147,159	3,017,694
2039	2,449,570	468,276	147,159	3,065,005
2040	2,494,343	470,595	147,159	3,112,097
<b>Average Annual Growth (2015-40)</b>	1.8%	-0.4%	0.0%	1.3%



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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	2,120,107	460,204	65,581	2,645,891
	2017	2,162,280	455,242	65,581	2,683,103
	2018	2,193,984	455,246	65,581	2,714,811
	2019	2,222,976	458,997	65,581	2,747,554
	2020	2,253,860	465,908	65,581	2,785,350
	2021	2,285,192	475,183	65,581	2,825,956
	2022	2,314,853	485,981	65,581	2,866,416
	2023	2,344,010	497,829	65,581	2,907,419
	2024	2,372,966	507,238	65,581	2,945,785
	2025	2,401,938	515,250	65,581	2,982,769

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

2026	2,433,194	522,586	65,581	3,021,361
2027	2,465,975	529,593	65,581	3,061,149
2028	2,499,300	536,385	65,581	3,101,266
2029	2,533,151	543,034	65,581	3,141,766
2030	2,567,320	549,568	65,581	3,182,469
2031	2,602,600	556,083	65,581	3,224,263
2032	2,639,564	560,475	65,581	3,265,621
2033	2,678,008	564,162	65,581	3,307,751
2034	2,717,205	567,611	65,581	3,350,397
2035	2,757,057	570,983	65,581	3,393,621
2036	2,796,973	574,304	65,581	3,436,859
2037	2,836,688	577,568	65,581	3,479,837
2038	2,877,228	580,834	65,581	3,523,643
2039	2,917,866	584,082	65,581	3,567,529
2040	2,958,860	587,320	65,581	3,611,761
<b>Average Annual Growth (2015-40)</b>	1.5%	0.9%	0.0%	1.4%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,466,510	466,091	138,462	2,071,063
	2017	1,503,054	472,851	138,462	2,114,367
	2018	1,536,447	479,286	138,462	2,154,196
	2019	1,568,241	485,627	138,462	2,192,331
	2020	1,599,410	492,011	138,462	2,229,883
	2021	1,629,006	498,176	138,462	2,265,645
	2022	1,656,060	503,875	138,462	2,298,397
	2023	1,683,213	509,657	138,462	2,331,332
	2024	1,711,811	515,798	138,462	2,366,071
	2025	1,740,464	521,981	138,462	2,400,907

## IFR Aircraft Handled By User Category

### ZME - Memphis, Tennessee ARTCC

2026	1,768,974	528,155	138,462	2,435,591
2027	1,797,271	534,297	138,462	2,470,030
2028	1,825,149	540,358	138,462	2,503,969
2029	1,852,821	546,382	138,462	2,537,665
2030	1,880,225	552,352	138,462	2,571,039
2031	1,907,619	558,324	138,462	2,604,405
2032	1,935,165	564,331	138,462	2,637,959
2033	1,962,988	570,401	138,462	2,671,851
2034	1,991,114	576,538	138,462	2,706,113
2035	2,019,169	582,660	138,462	2,740,291
2036	2,047,212	588,781	138,462	2,774,454
2037	2,075,024	594,851	138,462	2,808,337
2038	2,102,818	600,918	138,462	2,842,198
2039	2,130,547	606,971	138,462	2,875,980
2040	2,158,214	613,010	138,462	2,909,686
<b>Average Annual Growth (2015-40)</b>	1.7%	1.1%	0.0%	1.4%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	2,266,298	341,608	37,364	2,645,269
	2017	2,314,098	345,597	37,364	2,697,059
	2018	2,357,498	349,100	37,364	2,743,962
	2019	2,396,404	352,110	37,364	2,785,877
	2020	2,435,214	355,176	37,364	2,827,755
	2021	2,471,360	357,976	37,364	2,866,700
	2022	2,500,538	359,982	37,364	2,897,883
	2023	2,534,301	362,608	37,364	2,934,273
	2024	2,579,690	366,689	37,364	2,983,743
	2025	2,628,481	371,207	37,364	3,037,053

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

2026	2,678,688	375,915	37,364	3,091,966
2027	2,729,326	380,689	37,364	3,147,379
2028	2,779,732	385,449	37,364	3,202,545
2029	2,829,733	390,173	37,364	3,257,270
2030	2,879,943	394,931	37,364	3,312,238
2031	2,929,401	399,611	37,364	3,366,376
2032	2,979,195	404,338	37,364	3,420,898
2033	3,029,892	409,175	37,364	3,476,431
2034	3,082,599	414,246	37,364	3,534,209
2035	3,136,344	419,436	37,364	3,593,144
2036	3,190,822	424,708	37,364	3,652,895
2037	3,244,683	429,910	37,364	3,711,957
2038	3,299,878	435,258	37,364	3,772,501
2039	3,354,500	440,540	37,364	3,832,404
2040	3,409,367	445,845	37,364	3,892,577
<b>Average Annual Growth (2015-40)</b>	1.7%	1.1%	0.0%	1.6%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>	
<b>Actual</b>	1990					
	1991					
	1992					
	1993					
	1994					
	1995					
	1996					
	1997					
	1998					
	1999					
	2000					
	2001					
	2002					
	2003					
	2004					
	2005					
	2006					
	2007					
	2008		52,878	5,969	396	59,243
	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	
<b>Forecast</b>	2016	293,017	30,432	889	324,338	
	2017	295,214	30,683	889	326,786	
	2018	297,364	30,865	889	329,118	
	2019	299,481	31,026	889	331,396	
	2020	301,728	31,212	889	333,830	
	2021	304,057	31,380	889	336,326	
	2022	306,406	31,493	889	338,788	
	2023	308,586	31,626	889	341,101	
	2024	310,760	31,809	889	343,458	
	2025	312,998	32,002	889	345,889	

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

2026	315,393	32,219	889	348,501
2027	317,636	32,447	889	350,972
2028	320,043	32,678	889	353,609
2029	322,416	32,910	889	356,215
2030	324,819	33,145	889	358,854
2031	327,055	33,385	889	361,329
2032	329,443	33,631	889	363,963
2033	331,868	33,889	889	366,646
2034	334,392	34,166	889	369,447
2035	337,110	34,456	889	372,455
2036	339,771	34,752	889	375,412
2037	342,007	35,047	889	377,943
2038	344,707	35,348	889	380,944
2039	347,020	35,651	889	383,560
2040	349,315	35,956	889	386,161
<b>Average Annual Growth (2015-40)</b>	0.9%	0.7%	0.0%	0.9%



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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	2,354,124	594,071	91,739	3,039,934
	2017	2,403,115	619,407	91,739	3,114,262
	2018	2,439,306	630,042	91,739	3,161,088
	2019	2,471,594	631,052	91,739	3,194,386
	2020	2,508,564	626,690	91,739	3,226,993
	2021	2,542,712	617,324	91,739	3,251,775
	2022	2,567,522	602,824	91,739	3,262,084
	2023	2,596,828	586,801	91,739	3,275,368
	2024	2,639,174	571,825	91,739	3,302,739
	2025	2,686,080	556,874	91,739	3,334,693

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

2026	2,736,284	542,041	91,739	3,370,064
2027	2,788,182	527,222	91,739	3,407,144
2028	2,840,504	512,285	91,739	3,444,528
2029	2,892,964	497,238	91,739	3,481,942
2030	2,945,726	482,158	91,739	3,519,623
2031	2,999,406	467,207	91,739	3,558,352
2032	3,055,209	452,669	91,739	3,599,617
2033	3,113,705	438,714	91,739	3,644,158
2034	3,175,214	425,453	91,739	3,692,406
2035	3,238,576	412,686	91,739	3,743,001
2036	3,303,002	400,252	91,739	3,794,993
2037	3,367,192	387,872	91,739	3,846,803
2038	3,432,114	375,711	91,739	3,899,564
2039	3,497,301	363,668	91,739	3,952,708
2040	3,562,323	351,640	91,739	4,005,701
<b>Average Annual Growth (2015-40)</b>	1.8%	-1.8%	0.0%	1.3%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	7,651,496	1,184,846	494,484	9,330,827
	2017	7,792,462	1,198,662	494,484	9,485,607
	2018	7,918,982	1,209,169	494,484	9,622,635
	2019	8,043,532	1,218,494	494,484	9,756,510
	2020	8,180,479	1,228,368	494,484	9,903,332
	2021	8,313,124	1,237,365	494,484	10,044,973
	2022	8,432,770	1,244,814	494,484	10,172,068
	2023	8,551,804	1,251,645	494,484	10,297,933
	2024	8,677,624	1,258,423	494,484	10,430,530
	2025	8,803,315	1,264,806	494,484	10,562,605

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

2026	8,931,780	1,271,912	494,484	10,698,176
2027	9,063,262	1,279,465	494,484	10,837,211
2028	9,196,141	1,287,176	494,484	10,977,801
2029	9,327,213	1,294,594	494,484	11,116,291
2030	9,457,624	1,301,840	494,484	11,253,948
2031	9,589,676	1,309,264	494,484	11,393,424
2032	9,727,808	1,317,297	494,484	11,539,589
2033	9,866,722	1,325,220	494,484	11,686,426
2034	10,011,168	1,333,725	494,484	11,839,377
2035	10,158,961	1,342,609	494,484	11,996,054
2036	10,306,656	1,351,391	494,484	12,152,530
2037	10,452,805	1,359,907	494,484	12,307,196
2038	10,600,589	1,368,626	494,484	12,463,700
2039	10,750,165	1,377,597	494,484	12,622,246
2040	10,899,454	1,386,499	494,484	12,780,436
<b>Average Annual Growth (2015-40)</b>	1.5%	0.7%	0.0%	1.4%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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
<b>Forecast</b>	2016	439,452	19,691	38,148	497,291
	2017	448,549	19,854	38,148	506,551
	2018	456,890	19,971	38,148	515,009
	2019	465,103	20,076	38,148	523,327
	2020	473,949	20,196	38,148	532,294
	2021	482,454	20,305	38,148	540,906
	2022	490,160	20,378	38,148	548,686
	2023	498,274	20,464	38,148	556,886
	2024	507,529	20,583	38,148	566,259
	2025	516,890	20,707	38,148	575,745

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

2026	526,013	20,848	38,148	585,009
2027	535,332	20,995	38,148	594,475
2028	544,719	21,145	38,148	604,011
2029	554,151	21,295	38,148	613,594
2030	563,618	21,447	38,148	623,213
2031	572,931	21,602	38,148	632,681
2032	582,512	21,761	38,148	642,421
2033	592,362	21,928	38,148	652,439
2034	602,559	22,108	38,148	662,815
2035	612,916	22,295	38,148	673,359
2036	623,354	22,487	38,148	683,989
2037	633,771	22,678	38,148	694,597
2038	644,329	22,873	38,148	705,350
2039	654,929	23,069	38,148	716,145
2040	665,587	23,266	38,148	727,002
<b>Average Annual Growth (2015-40)</b>	1.8%	0.7%	0.0%	1.6%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	473,143	39,170	92,279	604,592
	2017	489,496	39,282	92,279	621,057
	2018	500,863	39,365	92,279	632,508
	2019	509,347	39,427	92,279	641,054
	2020	516,359	39,474	92,279	648,112
	2021	522,454	39,509	92,279	654,241
	2022	527,873	39,534	92,279	659,686
	2023	532,876	39,554	92,279	664,708
	2024	537,535	39,568	92,279	669,382
	2025	542,010	39,579	92,279	673,868

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

2026	546,466	39,587	92,279	678,332
2027	550,925	39,593	92,279	682,797
2028	555,341	39,597	92,279	687,217
2029	559,690	39,601	92,279	691,569
2030	563,991	39,603	92,279	695,873
2031	568,288	39,605	92,279	700,172
2032	572,593	39,606	92,279	704,478
2033	576,972	39,607	92,279	708,858
2034	581,411	39,608	92,279	713,298
2035	585,928	39,609	92,279	717,815
2036	590,563	39,609	92,279	722,451
2037	595,289	39,609	92,279	727,177
2038	600,169	39,610	92,279	732,058
2039	605,196	39,610	92,279	737,084
2040	610,253	39,610	92,279	742,142
<b>Average Annual Growth (2015-40)</b>	1.2%	0.1%	0.0%	1.0%



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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,424,172	260,859	37,712	1,722,743
	2017	1,455,595	264,857	37,712	1,758,163
	2018	1,480,157	268,187	37,712	1,786,056
	2019	1,501,129	270,962	37,712	1,809,803
	2020	1,521,732	273,274	37,712	1,832,717
	2021	1,539,896	275,200	37,712	1,852,807
	2022	1,554,186	276,805	37,712	1,868,703
	2023	1,568,469	278,142	37,712	1,884,323
	2024	1,584,896	279,256	37,712	1,901,864
	2025	1,601,356	280,184	37,712	1,919,253

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

2026	1,617,970	280,958	37,712	1,936,639
2027	1,634,476	281,602	37,712	1,953,790
2028	1,650,849	282,139	37,712	1,970,700
2029	1,666,992	282,586	37,712	1,987,290
2030	1,683,048	282,959	37,712	2,003,718
2031	1,699,073	283,269	37,712	2,020,054
2032	1,715,546	283,528	37,712	2,036,786
2033	1,732,711	283,744	37,712	2,054,167
2034	1,750,201	283,923	37,712	2,071,836
2035	1,767,693	284,073	37,712	2,089,478
2036	1,785,502	284,198	37,712	2,107,412
2037	1,803,191	284,301	37,712	2,125,205
2038	1,820,602	284,388	37,712	2,142,702
2039	1,837,689	284,460	37,712	2,159,861
2040	1,854,794	284,520	37,712	2,177,026
<b>Average Annual Growth (2015-40)</b>	1.1%	0.4%	0.0%	1.0%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,754,513	306,550	75,460	2,136,524
	2017	1,771,683	313,555	75,460	2,160,698
	2018	1,789,807	319,992	75,460	2,185,259
	2019	1,809,431	326,095	75,460	2,210,986
	2020	1,834,206	332,603	75,460	2,242,269
	2021	1,859,680	338,851	75,460	2,273,992
	2022	1,883,645	344,534	75,460	2,303,639
	2023	1,906,888	349,841	75,460	2,332,189
	2024	1,930,775	355,053	75,460	2,361,288
	2025	1,955,018	360,160	75,460	2,390,638

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

2026	1,981,061	365,442	75,460	2,421,962
2027	2,007,684	370,717	75,460	2,453,861
2028	2,034,694	375,974	75,460	2,486,128
2029	2,061,801	381,179	75,460	2,518,440
2030	2,089,276	386,392	75,460	2,551,127
2031	2,116,653	391,544	75,460	2,583,657
2032	2,145,324	396,882	75,460	2,617,666
2033	2,174,900	402,348	75,460	2,652,707
2034	2,205,669	407,999	75,460	2,689,128
2035	2,236,619	413,666	75,460	2,725,745
2036	2,267,869	419,374	75,460	2,762,703
2037	2,299,189	425,085	75,460	2,799,734
2038	2,330,373	430,765	75,460	2,836,598
2039	2,361,233	436,385	75,460	2,873,078
2040	2,392,749	442,111	75,460	2,910,320
<b>Average Annual Growth (2015-40)</b>	1.3%	1.6%	0.0%	1.3%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,127,590	190,428	32,885	1,350,903
	2017	1,145,713	193,480	32,885	1,372,077
	2018	1,162,879	196,373	32,885	1,392,137
	2019	1,180,244	199,299	32,885	1,412,429
	2020	1,198,759	202,420	32,885	1,434,064
	2021	1,217,063	205,505	32,885	1,455,454
	2022	1,234,055	208,369	32,885	1,475,309
	2023	1,251,250	211,267	32,885	1,495,402
	2024	1,269,714	214,379	32,885	1,516,978
	2025	1,288,412	217,530	32,885	1,538,827

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

2026	1,307,303	220,715	32,885	1,560,903
2027	1,326,270	223,912	32,885	1,583,068
2028	1,345,161	227,097	32,885	1,605,143
2029	1,364,003	230,273	32,885	1,627,161
2030	1,382,966	233,470	32,885	1,649,321
2031	1,402,128	236,700	32,885	1,671,713
2032	1,421,742	240,007	32,885	1,694,633
2033	1,441,770	243,384	32,885	1,718,039
2034	1,462,087	246,809	32,885	1,741,781
2035	1,482,686	250,283	32,885	1,765,853
2036	1,503,440	253,782	32,885	1,790,108
2037	1,523,918	257,235	32,885	1,814,038
2038	1,544,397	260,688	32,885	1,837,970
2039	1,564,847	264,137	32,885	1,861,869
2040	1,585,182	267,566	32,885	1,885,633
<b>Average Annual Growth (2015-40)</b>	1.4%	1.4%	0.0%	1.4%

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	1,283,188	198,691	88,261	1,570,140
	2017	1,304,058	198,770	88,261	1,591,089
	2018	1,325,158	197,299	88,261	1,610,718
	2019	1,347,425	195,304	88,261	1,630,991
	2020	1,373,199	193,212	88,261	1,654,672
	2021	1,399,064	191,117	88,261	1,678,442
	2022	1,422,865	189,014	88,261	1,700,140
	2023	1,446,796	186,935	88,261	1,721,992
	2024	1,472,878	184,918	88,261	1,746,057
	2025	1,499,626	182,948	88,261	1,770,835

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

2026	1,527,316	181,654	88,261	1,797,231
2027	1,555,216	180,652	88,261	1,824,129
2028	1,583,064	179,787	88,261	1,851,112
2029	1,610,826	178,997	88,261	1,878,084
2030	1,638,768	178,259	88,261	1,905,288
2031	1,666,691	177,558	88,261	1,932,510
2032	1,695,579	176,902	88,261	1,960,742
2033	1,725,088	176,285	88,261	1,989,634
2034	1,755,390	175,707	88,261	2,019,358
2035	1,786,002	175,159	88,261	2,049,422
2036	1,816,699	174,632	88,261	2,079,592
2037	1,847,624	174,126	88,261	2,110,011
2038	1,878,517	173,634	88,261	2,140,412
2039	1,909,238	173,152	88,261	2,170,651
2040	1,940,072	172,680	88,261	2,201,014

<b>Average Annual Growth (2015-40)</b>	1.7%	-0.5%	0.0%	1.4%
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**IFR Aircraft Handled By User Category**  
**ZSE - Seattle, Washington ARTCC**

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	963,527	162,053	69,594	1,195,174
	2017	987,739	161,350	69,594	1,218,683
	2018	1,009,806	160,354	69,594	1,239,754
	2019	1,033,562	159,588	69,594	1,262,744
	2020	1,061,040	159,332	69,594	1,289,966
	2021	1,087,252	158,903	69,594	1,315,749
	2022	1,110,620	158,084	69,594	1,338,298
	2023	1,133,698	157,226	69,594	1,360,518
	2024	1,156,472	156,326	69,594	1,382,392
	2025	1,177,821	155,232	69,594	1,402,647

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

2026	1,199,026	154,118	69,594	1,422,737
2027	1,222,201	153,273	69,594	1,445,068
2028	1,246,532	152,586	69,594	1,468,712
2029	1,269,253	151,679	69,594	1,490,527
2030	1,290,652	150,592	69,594	1,510,837
2031	1,313,700	149,729	69,594	1,533,023
2032	1,339,297	149,216	69,594	1,558,106
2033	1,362,597	148,388	69,594	1,580,580
2034	1,388,323	147,892	69,594	1,605,809
2035	1,416,279	147,701	69,594	1,633,575
2036	1,442,974	147,338	69,594	1,659,906
2037	1,468,043	146,752	69,594	1,684,389
2038	1,494,787	146,395	69,594	1,710,776
2039	1,523,870	146,358	69,594	1,739,822
2040	1,551,789	146,162	69,594	1,767,546
<b>Average Annual Growth (2015-40)</b>	2.3%	-0.2%	0.0%	1.9%

**IFR Aircraft Handled By User Category**  
**ZUA - Guam CERAP**

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<b>Actual</b>	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	
<b>Forecast</b>	2016	185,911	7,403	60,145	253,460
	2017	189,630	7,514	60,145	257,289
	2018	193,422	7,627	60,145	261,194
	2019	197,291	7,742	60,145	265,177
	2020	201,236	7,858	60,145	269,239
	2021	205,261	7,976	60,145	273,382
	2022	209,366	8,095	60,145	277,607
	2023	213,554	8,217	60,145	281,915
	2024	217,825	8,340	60,145	286,310
	2025	222,181	8,465	60,145	290,791

## IFR Aircraft Handled By User Category

### ZUA - Guam CERAP

2026	226,625	8,592	60,145	295,362
2027	231,157	8,721	60,145	300,023
2028	235,781	8,852	60,145	304,777
2029	240,496	8,984	60,145	309,626
2030	245,306	9,119	60,145	314,570
2031	250,212	9,256	60,145	319,613
2032	255,216	9,395	60,145	324,756
2033	260,321	9,536	60,145	330,001
2034	265,527	9,679	60,145	335,351
2035	270,838	9,824	60,145	340,807
2036	276,254	9,971	60,145	346,371
2037	281,780	10,121	60,145	352,045
2038	287,415	10,273	60,145	357,833
2039	293,163	10,427	60,145	363,735
2040	299,027	10,583	60,145	369,755
<b>Average Annual Growth (2015-40)</b>	2.0%	1.5%	0.0%	1.6%