



**FORECASTS OF IFR AIRCRAFT  
HANDLED BY FAA AIR ROUTE  
TRAFFIC CONTROL CENTERS  
FY 2021-2040**

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## CONTENTS

IFR AIRCRAFT HANDLED BY FAA AIR ROUTE TRAFFIC CONTROL CENTERS.....	2
SUMMARY OF RESULTS .....	2
Total IFR Aircraft Handled at Air Route Traffic Control Centers (Ranked by Growth)...	3
Forecast Tables by Service Area and Air Route Traffic Control Center .....	4
Central Region Service Area (CEOSA).....	4
ZAB - Albuquerque, New Mexico ARTCC .....	6
ZAU - Chicago, Illinois ARTCC.....	8
ZFW - Fort Worth, Texas ARTCC.....	10
ZHU - Houston, Texas ARTCC .....	12
ZID - Indianapolis, Indiana ARTCC.....	14
ZKC - Kansas City, Kansas ARTCC.....	16
ZMP - Minneapolis, Minnesota ARTCC .....	18
ZOB - Cleveland, Ohio ARTCC .....	20
Eastern Region Service Area (EEOSA).....	22
ZBW - Nashua, New Hampshire ARTCC .....	24
ZDC - Leesburg, Virginia ARTCC .....	26
ZJX - Jacksonville, Florida ARTCC.....	28
ZMA - Miami, Florida ARTCC .....	30
ZME - Memphis, Tennessee ARTCC .....	32
ZNY - New York, New York ARTCC.....	34
ZSU - San Juan, Puerto Rico CERAP .....	36
ZTL - Atlanta, Georgia ARTCC.....	38
Western Region Service Area (WEOSA).....	40
HCF - Honolulu, Hawaii Control Facility.....	42
ZAN - Anchorage, Alaska ARTCC .....	44
ZDV - Denver, Colorado ARTCC .....	46
ZLA - Los Angeles, California ARTCC .....	48
ZLC - Salt Lake City, Utah ARTCC.....	50
ZOA - Oakland, California ARTCC .....	52
ZSE - Seattle, Washington ARTCC .....	54
ZUA - Guam CERAP.....	56

# 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). In FY2020, the 2019 novel coronavirus (COVID-19) had a tremendous impact on the U.S. aviation industry. Traffic at the 24 ARTCCs experienced approximately 27 percent decline from FY2019 to FY2020. Since the nature of the ARTCC traffic is overwhelmingly commercial, the 27 percent decline was largely reflective of the commercial traffic. General aviation traffic experienced a smaller decline, about a 19 percent decrease in traffic during the same time periods.

This year's ARTCC forecasts incorporate the effect of COVID-19 and provide estimates on when the traffic will return to pre-COVID-19 levels. At the national level, ARTCC traffic is expected to return to FY2019 levels by FY2025. However, the speed of the recovery varies by individual center. Some centers may recover faster than FY2025 while others may take longer. These forecasts serve as a base for the FAA planning and budget process in determining future requirements for facilities, equipment, and manpower. A summary of projected IFR aircraft handled for individual centers is presented on page 4.

Forecasts of the number of IFR aircraft handled (defined as two times IFR departures plus IFR overflights), 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 2020 and forecasts for FY 2021 through FY 2040.

During the 20-year forecast period, the number of aircraft handled is forecast to increase 3.1 percent annually, from 31.9 million aircraft handled in 2020 to 59 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 25.5 million aircraft handled in 2020 to 50.7 million in 2041--an average annual growth of approximately 3.5 percent. General aviation aircraft handled are forecast to increase at a rate of 1.7 percent annually, totaling 7 million aircraft handled in 2040. Military aircraft handled are forecast to hold steady at 2020 levels and total 1.3 million in 2040.

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

Center	Location Identifier	Actual FY 2020	FY 2030	FY 2040	Average Annual % Growth (2020-2040)
Nashua	<b>ZBW</b>	1,001,726	1,876,850	2,255,413	4.1%
Oakland	<b>ZOA</b>	1,323,889	2,232,506	2,707,629	3.6%
New York	<b>ZNY</b>	1,595,944	2,762,873	3,262,995	3.6%
Miami	<b>ZMA</b>	1,658,655	2,805,651	3,369,069	3.6%
Los Angeles	<b>ZLA</b>	1,643,612	2,745,118	3,306,689	3.6%
San Juan	<b>ZSU</b>	217,431	386,380	435,921	3.5%
Seattle	<b>ZSE</b>	957,248	1,555,713	1,881,059	3.4%
Honolulu	<b>HCF</b>	308,811	518,186	605,637	3.4%
Cleveland	<b>ZOB</b>	1,550,757	2,497,437	2,909,949	3.2%
Salt Lake City	<b>ZLC</b>	1,176,574	1,810,769	2,175,352	3.1%
Houston	<b>ZHU</b>	1,610,420	2,499,194	2,947,011	3.1%
Chicago	<b>ZAU</b>	1,708,664	2,646,429	3,120,210	3.1%
Leesburg	<b>ZDC</b>	1,739,401	2,674,667	3,160,270	3.0%
Albuquerque	<b>ZAB</b>	1,293,774	1,977,934	2,343,007	3.0%
Guam	<b>ZUA</b>	186,124	289,083	335,629	3.0%
Atlanta	<b>ZTL</b>	2,268,717	3,453,141	4,076,257	3.0%
Indianapolis	<b>ZID</b>	1,573,605	2,393,636	2,814,204	2.9%
Jacksonville	<b>ZJX</b>	1,820,539	2,710,397	3,245,850	2.9%
Denver	<b>ZDV</b>	1,501,039	2,220,284	2,658,296	2.9%
Minneapolis	<b>ZMP</b>	1,458,236	2,145,302	2,505,261	2.7%
Kansas City	<b>ZKC</b>	1,390,474	2,040,087	2,368,867	2.7%
Fort Worth	<b>ZFW</b>	1,753,078	2,549,758	2,973,953	2.7%
Memphis	<b>ZME</b>	1,681,424	2,424,818	2,828,511	2.6%
Anchorage	<b>ZAN</b>	485,113	648,545	761,080	2.3%
<b>Grand Total</b>		<b>31,905,255</b>	<b>49,864,755</b>	<b>59,048,120</b>	<b>3.1%</b>

## Forecast Tables by Service Area and Air Route Traffic Control Center

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

	<b>Fiscal Year</b>	<b>Commercial</b>	<b>General Aviation</b>	<b>Military</b>	<b>Total</b>
<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	
2016	12,888,285	3,033,769	693,991	16,616,045	
2017	13,058,964	3,064,856	677,568	16,801,388	
2018	13,520,900	3,032,970	655,038	17,208,908	
2019	13,443,810	2,569,809	580,790	16,594,409	
2020	9,778,256	2,059,760	500,992	12,339,008	
<b>Forecast</b>	2021	9,197,744	2,264,707	500,992	11,963,443
	2022	10,082,816	2,495,334	500,992	13,079,142

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

2023	11,422,195	2,635,806	500,992	14,558,993
2024	12,564,330	2,683,444	500,992	15,748,766
2025	13,495,338	2,696,094	500,992	16,692,424
2026	14,155,770	2,703,481	500,992	17,360,243
2027	14,574,060	2,710,915	500,992	17,785,967
2028	14,899,597	2,718,399	500,992	18,118,988
2029	15,210,343	2,725,929	500,992	18,437,264
2030	15,515,274	2,733,511	500,992	18,749,776
2031	15,835,733	2,741,140	500,992	19,077,864
2032	16,164,883	2,748,817	500,992	19,414,692
2033	16,494,268	2,756,542	500,992	19,751,803
2034	16,813,375	2,764,326	500,992	20,078,693
2035	17,124,648	2,772,148	500,992	20,397,788
2036	17,438,118	2,780,033	500,992	20,719,143
2037	17,751,870	2,787,963	500,992	21,040,825
2038	18,059,568	2,795,951	500,992	21,356,511
2039	18,365,020	2,803,980	500,992	21,669,992
2040	18,669,399	2,812,071	500,992	21,982,462

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<b>Average Annual Growth (2020-40)</b>	3.3%	1.6%	0.0%	2.9%
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**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	
2016	1,231,318	238,158	95,171	1,564,647	
2017	1,237,246	241,156	87,738	1,566,140	
2018	1,290,762	244,148	87,242	1,622,152	
2019	1,314,283	242,540	82,359	1,639,182	
2020	1,005,668	214,582	73,524	1,293,774	
<b>Forecast</b>	2021	994,230	225,094	73,524	1,292,848
	2022	1,095,643	238,598	73,524	1,407,764
	2023	1,236,391	249,477	73,524	1,559,392
	2024	1,345,489	255,886	73,524	1,674,899
	2025	1,438,434	258,665	73,524	1,770,623

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

2026	1,499,369	261,137	73,524	1,834,030
2027	1,537,320	263,632	73,524	1,874,476
2028	1,568,897	266,153	73,524	1,908,574
2029	1,601,090	268,697	73,524	1,943,311
2030	1,633,143	271,266	73,524	1,977,934
2031	1,667,570	273,861	73,524	2,014,955
2032	1,703,054	276,480	73,524	2,053,058
2033	1,738,245	279,124	73,524	2,090,893
2034	1,772,252	281,795	73,524	2,127,571
2035	1,805,437	284,492	73,524	2,163,453
2036	1,838,972	287,215	73,524	2,199,711
2037	1,872,648	289,965	73,524	2,236,137
2038	1,905,663	292,741	73,524	2,271,928
2039	1,938,414	295,544	73,524	2,307,482
2040	1,971,109	298,375	73,524	2,343,007

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<b>Average Annual Growth (2020-40)</b>	3.4%	1.7%	0.0%	3.0%
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**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	
2016	1,979,327	398,016	20,129	2,397,472	
2017	2,008,702	394,766	19,389	2,422,857	
2018	2,074,471	383,472	19,176	2,477,119	
2019	2,049,195	298,256	16,484	2,363,935	
2020	1,469,991	226,907	11,766	1,708,664	
<b>Forecast</b>	2021	1,335,752	261,311	11,766	1,608,830
	2022	1,460,199	291,690	11,766	1,763,655
	2023	1,661,272	310,341	11,766	1,983,379
	2024	1,849,094	315,053	11,766	2,175,913
	2025	1,991,573	315,818	11,766	2,319,156

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

2026	2,100,682	316,260	11,766	2,428,709
2027	2,174,288	316,705	11,766	2,502,759
2028	2,226,517	317,151	11,766	2,555,434
2029	2,271,645	317,599	11,766	2,601,010
2030	2,316,613	318,050	11,766	2,646,429
2031	2,364,317	318,502	11,766	2,694,586
2032	2,413,429	318,955	11,766	2,744,150
2033	2,462,549	319,411	11,766	2,793,726
2034	2,510,141	319,869	11,766	2,841,776
2035	2,556,459	320,327	11,766	2,888,552
2036	2,602,945	320,790	11,766	2,935,501
2037	2,649,462	321,253	11,766	2,982,481
2038	2,695,195	321,718	11,766	3,028,679
2039	2,740,648	322,185	11,766	3,074,600
2040	2,785,789	322,655	11,766	3,120,210

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<b>Average Annual Growth (2020-40)</b>	3.2%	1.8%	0.0%	3.1%
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**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>
<b>Actual</b>	1990	1,198,004	364,609	388,943	1,951,556
	1991	1,189,392	354,629	367,586	1,911,607
	1992	1,238,684	354,958	383,670	1,977,312
	1993	1,336,476	353,700	334,370	2,024,546
	1994	1,418,768	356,912	296,168	2,071,848
	1995	1,513,269	363,115	255,341	2,131,725
	1996	1,512,505	360,977	248,309	2,121,791
	1997	1,507,721	371,518	232,755	2,111,994
	1998	1,532,085	382,611	251,237	2,165,933
	1999	1,549,631	385,372	241,881	2,176,884
	2000	1,610,925	370,220	250,920	2,232,065
	2001	1,575,651	348,797	249,304	2,173,752
	2002	1,477,045	370,614	245,677	2,093,336
	2003	1,516,083	366,225	231,082	2,113,390
	2004	1,589,125	386,138	241,191	2,216,454
	2005	1,533,825	383,395	233,495	2,150,715
	2006	1,512,037	388,683	243,723	2,144,443
	2007	1,554,215	401,510	217,214	2,172,939
	2008	1,517,443	385,018	209,677	2,112,138
	2009	1,367,241	334,630	208,824	1,910,695
	2010	1,385,628	347,898	210,342	1,943,868
2011	1,429,761	361,645	168,441	1,959,847	
2012	1,445,567	369,846	150,425	1,965,838	
2013	1,486,941	375,817	144,960	2,007,718	
2014	1,587,710	440,409	171,476	2,199,595	
2015	1,653,079	448,502	171,884	2,273,465	
2016	1,677,260	445,119	176,872	2,299,251	
2017	1,672,790	460,548	175,268	2,308,606	
2018	1,737,679	468,099	158,099	2,363,877	
2019	1,693,915	390,283	146,688	2,230,886	
2020	1,305,827	322,172	125,079	1,753,078	
<b>Forecast</b>	2021	1,245,338	363,097	125,079	1,733,514
	2022	1,346,274	400,572	125,079	1,871,925
	2023	1,507,669	409,899	125,079	2,042,646
	2024	1,635,898	412,868	125,079	2,173,845
	2025	1,757,588	414,412	125,079	2,297,079

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

2026	1,839,250	415,707	125,079	2,380,036
2027	1,887,513	417,006	125,079	2,429,598
2028	1,926,196	418,314	125,079	2,469,589
2029	1,965,158	419,629	125,079	2,509,866
2030	2,003,729	420,950	125,079	2,549,758
2031	2,045,027	422,279	125,079	2,592,385
2032	2,087,853	423,615	125,079	2,636,547
2033	2,130,811	424,957	125,079	2,680,847
2034	2,172,342	426,309	125,079	2,723,730
2035	2,212,885	427,666	125,079	2,765,630
2036	2,253,850	429,032	125,079	2,807,961
2037	2,295,029	430,406	125,079	2,850,514
2038	2,335,144	431,787	125,079	2,892,010
2039	2,374,746	433,175	125,079	2,933,000
2040	2,414,303	434,571	125,079	2,973,953

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**Average Annual  
Growth (2020-40)**

3.1%

1.5%

0.0%

2.7%

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**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	
2016	1,587,741	458,953	204,143	2,250,837	
2017	1,578,620	470,515	201,605	2,250,740	
2018	1,652,493	467,566	205,005	2,325,064	
2019	1,668,841	391,664	177,114	2,237,619	
2020	1,140,030	316,012	154,378	1,610,420	
<b>Forecast</b>	2021	1,070,929	337,039	154,378	1,562,346
	2022	1,183,896	372,228	154,378	1,710,503
	2023	1,365,468	404,470	154,378	1,924,316
	2024	1,516,398	413,817	154,378	2,084,592
	2025	1,652,315	416,090	154,378	2,222,783

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

2026	1,742,347	416,856	154,378	2,313,581
2027	1,795,238	417,627	154,378	2,367,244
2028	1,839,368	418,398	154,378	2,412,145
2029	1,882,680	419,176	154,378	2,456,234
2030	1,924,863	419,953	154,378	2,499,194
2031	1,968,955	420,734	154,378	2,544,067
2032	2,014,330	421,520	154,378	2,590,228
2033	2,059,881	422,306	154,378	2,636,565
2034	2,104,337	423,097	154,378	2,681,812
2035	2,147,938	423,890	154,378	2,726,206
2036	2,191,834	424,685	154,378	2,770,897
2037	2,235,965	425,484	154,378	2,815,827
2038	2,279,177	426,286	154,378	2,859,841
2039	2,321,976	427,090	154,378	2,903,444
2040	2,364,735	427,898	154,378	2,947,011

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<b>Average Annual Growth (2020-40)</b>	3.7%	1.5%	0.0%	3.1%
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**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	
2016	1,635,730	353,000	34,568	2,023,298	
2017	1,678,884	355,534	33,878	2,068,296	
2018	1,738,910	346,254	32,367	2,117,531	
2019	1,772,248	291,922	26,761	2,090,931	
2020	1,315,452	235,525	22,628	1,573,605	
<b>Forecast</b>	2021	1,219,557	256,253	22,628	1,498,439
	2022	1,347,213	276,444	22,628	1,646,285
	2023	1,528,797	292,978	22,628	1,844,403
	2024	1,677,087	298,129	22,628	1,997,844
	2025	1,802,078	299,320	22,628	2,124,026

## IFR Aircraft Handled By User Category

### ZID - Indianapolis, Indiana ARTCC

2026	1,891,932	299,747	22,628	2,214,308
2027	1,948,498	300,176	22,628	2,271,302
2028	1,989,935	300,607	22,628	2,313,170
2029	2,029,923	301,038	22,628	2,353,590
2030	2,069,533	301,475	22,628	2,393,636
2031	2,111,373	301,911	22,628	2,435,912
2032	2,154,434	302,351	22,628	2,479,414
2033	2,197,664	302,793	22,628	2,523,086
2034	2,239,709	303,237	22,628	2,565,575
2035	2,280,895	303,681	22,628	2,607,204
2036	2,322,400	304,131	22,628	2,649,159
2037	2,363,787	304,580	22,628	2,690,995
2038	2,404,609	305,034	22,628	2,732,271
2039	2,445,179	305,489	22,628	2,773,295
2040	2,485,630	305,946	22,628	2,814,204

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**Average Annual  
Growth (2020-40)**

3.2%

1.3%

0.0%

2.9%

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**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	
2016	1,285,541	367,557	98,137	1,751,235	
2017	1,324,967	372,929	94,185	1,792,081	
2018	1,366,787	369,131	88,352	1,824,270	
2019	1,379,482	329,186	76,066	1,784,734	
2020	1,053,898	267,588	68,988	1,390,474	
<b>Forecast</b>	2021	1,002,314	297,479	68,988	1,368,782
	2022	1,087,248	324,583	68,988	1,480,819
	2023	1,214,743	342,804	68,988	1,626,535
	2024	1,327,689	346,572	68,988	1,743,249
	2025	1,415,232	347,716	68,988	1,831,936

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

2026	1,480,064	348,428	68,988	1,897,480
2027	1,519,487	349,146	68,988	1,937,621
2028	1,553,161	349,868	68,988	1,972,017
2029	1,587,335	350,591	68,988	2,006,915
2030	1,619,776	351,323	68,988	2,040,087
2031	1,652,450	352,057	68,988	2,073,495
2032	1,685,810	352,797	68,988	2,107,595
2033	1,719,455	353,540	68,988	2,141,983
2034	1,751,858	354,289	68,988	2,175,134
2035	1,783,410	355,040	68,988	2,207,438
2036	1,815,316	355,798	68,988	2,240,102
2037	1,847,306	356,559	68,988	2,272,854
2038	1,878,680	357,326	68,988	2,304,994
2039	1,909,922	358,096	68,988	2,337,006
2040	1,941,007	358,872	68,988	2,368,867

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**Average Annual  
Growth (2020-40)**

3.1%

1.5%

0.0%

2.7%

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**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	
2016	1,468,439	434,459	39,046	1,941,944	
2017	1,507,601	430,530	39,045	1,977,176	
2018	1,555,622	424,749	39,037	2,019,408	
2019	1,545,823	372,406	34,858	1,953,087	
2020	1,135,098	296,391	26,747	1,458,236	
<b>Forecast</b>	2021	1,101,272	322,269	26,747	1,450,287
	2022	1,195,385	358,763	26,747	1,580,895
	2023	1,328,735	375,241	26,747	1,730,723
	2024	1,439,306	380,375	26,747	1,846,428
	2025	1,529,059	382,262	26,747	1,938,069

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

2026	1,586,944	383,056	26,747	1,996,747
2027	1,629,747	383,853	26,747	2,040,347
2028	1,664,911	384,657	26,747	2,076,315
2029	1,698,889	385,463	26,747	2,111,099
2030	1,732,283	386,272	26,747	2,145,302
2031	1,767,948	387,086	26,747	2,181,780
2032	1,804,611	387,900	26,747	2,219,258
2033	1,841,312	388,720	26,747	2,256,780
2034	1,876,830	389,544	26,747	2,293,121
2035	1,911,468	390,370	26,747	2,328,585
2036	1,946,366	391,202	26,747	2,364,316
2037	1,981,254	392,037	26,747	2,400,039
2038	2,015,540	392,876	26,747	2,435,164
2039	2,049,811	393,716	26,747	2,470,274
2040	2,083,952	394,562	26,747	2,505,261

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<b>Average Annual Growth (2020-40)</b>	3.1%	1.4%	0.0%	2.7%
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**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	
2016	2,022,929	338,507	25,925	2,387,361	
2017	2,050,154	338,878	26,460	2,415,492	
2018	2,104,176	329,551	25,760	2,459,487	
2019	2,020,023	253,552	20,460	2,294,035	
2020	1,352,292	180,583	17,882	1,550,757	
<b>Forecast</b>	2021	1,228,351	202,165	17,882	1,448,398
	2022	1,366,958	232,457	17,882	1,617,297
	2023	1,579,121	250,596	17,882	1,847,599
	2024	1,773,368	260,744	17,882	2,051,995
	2025	1,909,060	261,811	17,882	2,188,753

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

2026	2,015,181	262,289	17,882	2,295,352
2027	2,081,969	262,769	17,882	2,362,621
2028	2,130,611	263,251	17,882	2,411,744
2029	2,173,622	263,735	17,882	2,455,239
2030	2,215,333	264,222	17,882	2,497,437
2031	2,258,092	264,709	17,882	2,540,684
2032	2,301,360	265,199	17,882	2,584,442
2033	2,344,352	265,690	17,882	2,627,924
2034	2,385,906	266,185	17,882	2,669,973
2035	2,426,156	266,681	17,882	2,710,719
2036	2,466,435	267,179	17,882	2,751,496
2037	2,506,419	267,679	17,882	2,791,979
2038	2,545,559	268,182	17,882	2,831,623
2039	2,584,324	268,685	17,882	2,870,891
2040	2,622,874	269,192	17,882	2,909,949

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<b>Average Annual Growth (2020-40)</b>	3.4%	2.0%	0.0%	3.2%
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**IFR Aircraft Handled By User Category  
Eastern Region Service Area (EEOA)**

	<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	
2016	13,344,877	3,082,194	645,070	17,072,141	
2017	13,477,031	3,173,202	633,716	17,283,949	
2018	13,770,343	3,170,435	630,028	17,570,806	
2019	13,625,826	2,512,171	513,173	16,651,170	
2020	9,512,758	2,025,682	445,397	11,983,837	
<b>Forecast</b>	2021	8,893,500	2,138,728	445,397	11,477,624
	2022	9,879,891	2,322,965	445,397	12,648,253
	2023	11,390,246	2,470,881	445,397	14,306,524
	2024	12,737,688	2,549,651	445,397	15,732,736
	2025	13,767,547	2,577,635	445,397	16,790,578

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

2026	14,502,488	2,591,065	445,397	17,538,951
2027	14,961,273	2,604,615	445,397	18,011,285
2028	15,322,128	2,618,283	445,397	18,385,808
2029	15,668,049	2,632,074	445,397	18,745,520
2030	16,003,393	2,645,986	445,397	19,094,776
2031	16,350,667	2,660,021	445,397	19,456,086
2032	16,704,984	2,674,184	445,397	19,824,565
2033	17,059,437	2,688,470	445,397	20,193,304
2034	17,401,792	2,702,886	445,397	20,550,075
2035	17,734,686	2,717,431	445,397	20,897,514
2036	18,070,672	2,732,107	445,397	21,248,177
2037	18,405,493	2,746,916	445,397	21,597,806
2038	18,737,364	2,761,854	445,397	21,944,615
2039	19,067,713	2,776,928	445,397	22,290,038
2040	19,396,747	2,792,143	445,397	22,634,286

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<b>Average Annual Growth (2020-40)</b>	3.6%	1.6%	0.0%	3.2%
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**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	
2016	1,305,901	180,698	36,498	1,523,097	
2017	1,325,478	184,351	35,866	1,545,695	
2018	1,382,890	184,725	32,948	1,600,563	
2019	1,372,716	174,591	29,174	1,576,481	
2020	847,129	125,754	28,843	1,001,726	
<b>Forecast</b>	2021	730,804	147,023	28,843	906,670
	2022	858,153	167,883	28,843	1,054,879
	2023	1,064,919	182,847	28,843	1,276,609
	2024	1,256,960	186,759	28,843	1,472,562
	2025	1,383,681	188,156	28,843	1,600,680

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

2026	1,477,366	188,576	28,843	1,694,785
2027	1,536,115	188,998	28,843	1,753,956
2028	1,580,875	189,422	28,843	1,799,140
2029	1,619,944	189,849	28,843	1,838,636
2030	1,657,728	190,280	28,843	1,876,850
2031	1,695,850	190,712	28,843	1,915,405
2032	1,734,587	191,147	28,843	1,954,578
2033	1,773,157	191,585	28,843	1,993,585
2034	1,810,960	192,026	28,843	2,031,830
2035	1,848,033	192,470	28,843	2,069,346
2036	1,885,206	192,917	28,843	2,106,966
2037	1,922,303	193,367	28,843	2,144,513
2038	1,959,067	193,819	28,843	2,181,729
2039	1,995,564	194,274	28,843	2,218,681
2040	2,031,837	194,733	28,843	2,255,413

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<b>Average Annual Growth (2020-40)</b>	4.5%	2.2%	0.0%	4.1%
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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	
2016	1,994,168	369,225	100,893	2,464,286	
2017	2,044,645	379,830	103,025	2,527,500	
2018	2,109,505	379,036	99,447	2,587,988	
2019	2,049,964	279,939	82,472	2,412,375	
2020	1,443,679	221,589	74,133	1,739,401	
<b>Forecast</b>	2021	1,310,044	232,225	74,133	1,616,402
	2022	1,456,652	254,258	74,133	1,785,044
	2023	1,673,984	270,044	74,133	2,018,161
	2024	1,853,328	278,716	74,133	2,206,177
	2025	1,997,822	283,361	74,133	2,355,316

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

2026	2,096,746	284,018	74,133	2,454,897
2027	2,168,932	284,679	74,133	2,527,744
2028	2,219,984	285,342	74,133	2,579,459
2029	2,267,629	286,009	74,133	2,627,771
2030	2,313,855	286,679	74,133	2,674,667
2031	2,362,271	287,353	74,133	2,723,757
2032	2,412,142	288,032	74,133	2,774,307
2033	2,462,107	288,712	74,133	2,824,952
2034	2,510,346	289,397	74,133	2,873,876
2035	2,557,034	290,086	74,133	2,921,253
2036	2,604,476	290,779	74,133	2,969,388
2037	2,651,888	291,475	74,133	3,017,496
2038	2,699,005	292,174	74,133	3,065,312
2039	2,745,863	292,876	74,133	3,112,873
2040	2,792,553	293,583	74,133	3,160,270

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<b>Average Annual Growth (2020-40)</b>	3.4%	1.4%	0.0%	3.0%
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**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	
2016	1,652,161	583,636	157,932	2,393,729	
2017	1,693,007	630,299	162,482	2,485,788	
2018	1,765,086	627,926	170,203	2,563,215	
2019	1,733,454	449,588	124,531	2,307,573	
2020	1,317,442	391,918	111,179	1,820,539	
<b>Forecast</b>	2021	1,288,928	406,642	111,179	1,806,749
	2022	1,412,447	430,975	111,179	1,954,601
	2023	1,585,314	449,140	111,179	2,145,633
	2024	1,729,564	456,886	111,179	2,297,629
	2025	1,841,638	463,944	111,179	2,416,761

## IFR Aircraft Handled By User Category

### ZJX - Jacksonville, Florida ARTCC

2026	1,919,174	469,675	111,179	2,500,028
2027	1,972,713	475,479	111,179	2,559,371
2028	2,016,346	481,357	111,179	2,608,882
2029	2,061,529	487,308	111,179	2,660,016
2030	2,105,882	493,336	111,179	2,710,397
2031	2,153,723	499,440	111,179	2,764,342
2032	2,203,451	505,621	111,179	2,820,251
2033	2,253,189	511,881	111,179	2,876,249
2034	2,300,545	518,220	111,179	2,929,944
2035	2,346,330	524,640	111,179	2,982,149
2036	2,392,787	531,141	111,179	3,035,107
2037	2,438,980	537,725	111,179	3,087,884
2038	2,485,037	544,392	111,179	3,140,608
2039	2,531,015	551,144	111,179	3,193,338
2040	2,576,689	557,982	111,179	3,245,850

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<b>Average Annual Growth (2020-40)</b>	3.4%	1.8%	0.0%	2.9%
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**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	
2016	2,013,094	468,938	64,622	2,546,654	
2017	1,957,502	469,773	53,253	2,480,528	
2018	1,927,437	459,117	49,464	2,436,018	
2019	1,926,335	391,922	37,994	2,356,251	
2020	1,301,864	325,338	31,453	1,658,655	
<b>Forecast</b>	2021	1,281,409	340,890	31,453	1,653,752
	2022	1,417,522	363,534	31,453	1,812,509
	2023	1,637,014	385,428	31,453	2,053,895
	2024	1,850,377	390,391	31,453	2,272,221
	2025	2,010,673	391,963	31,453	2,434,089

## IFR Aircraft Handled By User Category

### ZMA - Miami, Florida ARTCC

2026	2,130,078	393,126	31,453	2,554,657
2027	2,202,757	394,295	31,453	2,628,505
2028	2,262,840	395,469	31,453	2,689,762
2029	2,321,090	396,649	31,453	2,749,192
2030	2,376,365	397,833	31,453	2,805,651
2031	2,432,588	399,024	31,453	2,863,065
2032	2,489,709	400,218	31,453	2,921,381
2033	2,547,012	401,419	31,453	2,979,884
2034	2,602,751	402,625	31,453	3,036,829
2035	2,657,200	403,836	31,453	3,092,490
2036	2,711,862	405,053	31,453	3,148,368
2037	2,765,978	406,275	31,453	3,203,706
2038	2,819,905	407,503	31,453	3,258,861
2039	2,873,757	408,736	31,453	3,313,946
2040	2,927,642	409,975	31,453	3,369,069

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<b>Average Annual Growth (2020-40)</b>	4.1%	1.2%	0.0%	3.6%
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**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	
2016	1,477,323	475,565	147,006	2,099,894	
2017	1,508,709	481,553	141,114	2,131,376	
2018	1,572,723	485,161	144,833	2,202,717	
2019	1,594,915	420,373	139,297	2,154,585	
2020	1,223,596	342,053	115,775	1,681,424	
<b>Forecast</b>	2021	1,174,288	357,829	115,775	1,647,893
	2022	1,271,496	384,621	115,775	1,771,892
	2023	1,418,869	406,581	115,775	1,941,224
	2024	1,540,048	419,726	115,775	2,075,549
	2025	1,647,816	421,667	115,775	2,185,258

## IFR Aircraft Handled By User Category

### ZME - Memphis, Tennessee ARTCC

2026	1,722,764	422,694	115,775	2,261,232
2027	1,768,727	423,724	115,775	2,308,226
2028	1,806,702	424,759	115,775	2,347,235
2029	1,844,604	425,798	115,775	2,386,178
2030	1,882,200	426,842	115,775	2,424,818
2031	1,921,745	427,890	115,775	2,465,410
2032	1,962,303	428,943	115,775	2,507,020
2033	2,002,975	430,000	115,775	2,548,750
2034	2,042,472	431,063	115,775	2,589,310
2035	2,081,180	432,129	115,775	2,629,084
2036	2,120,290	433,200	115,775	2,669,265
2037	2,159,579	434,276	115,775	2,709,630
2038	2,198,233	435,357	115,775	2,749,365
2039	2,236,720	436,442	115,775	2,788,937
2040	2,275,204	437,532	115,775	2,828,511

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**Average Annual  
Growth (2020-40)**

3.1%

1.2%

0.0%

2.6%

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**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	
2016	2,264,189	382,302	38,278	2,684,769	
2017	2,282,827	386,628	37,250	2,706,705	
2018	2,295,186	389,725	33,701	2,718,612	
2019	2,194,065	271,166	23,110	2,488,341	
2020	1,390,905	183,968	21,071	1,595,944	
<b>Forecast</b>	2021	1,212,702	206,253	21,071	1,440,026
	2022	1,384,032	241,871	21,071	1,646,974
	2023	1,653,798	267,627	21,071	1,942,496
	2024	1,913,807	288,353	21,071	2,223,232
	2025	2,076,580	292,556	21,071	2,390,207

## IFR Aircraft Handled By User Category

### ZNY - New York, New York ARTCC

2026	2,197,968	293,419	21,071	2,512,458
2027	2,275,229	294,287	21,071	2,590,587
2028	2,335,765	295,160	21,071	2,651,996
2029	2,391,854	296,036	21,071	2,708,961
2030	2,444,883	296,918	21,071	2,762,873
2031	2,497,058	297,804	21,071	2,815,933
2032	2,548,302	298,695	21,071	2,868,068
2033	2,599,976	299,590	21,071	2,920,637
2034	2,649,899	300,490	21,071	2,971,460
2035	2,698,267	301,395	21,071	3,020,733
2036	2,746,711	302,305	21,071	3,070,087
2037	2,794,846	303,220	21,071	3,119,137
2038	2,842,305	304,138	21,071	3,167,514
2039	2,889,301	305,061	21,071	3,215,433
2040	2,935,932	305,992	21,071	3,262,995

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**Average Annual  
Growth (2020-40)**

3.8%

2.6%

0.0%

3.6%

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**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	
2016		284,150	27,499	879	312,528	
2017		277,297	25,798	1,453	304,548	
2018		258,515	23,886	2,001	284,402	
2019		317,053	38,058	1,474	356,585	
2020		188,276	27,878	1,277	217,431	
<b>Forecast</b>	2021	171,964	26,976	1,277	200,218	
	2022	194,016	30,861	1,277	226,154	
	2023	225,941	35,239	1,277	262,457	
	2024	263,729	40,360	1,277	305,366	
	2025	296,109	41,131	1,277	338,517	

## IFR Aircraft Handled By User Category

### ZSU - San Juan, Puerto Rico CERAP

2026	317,500	41,213	1,277	359,990
2027	325,872	41,295	1,277	368,444
2028	332,450	41,376	1,277	375,103
2029	337,939	41,458	1,277	380,675
2030	343,563	41,540	1,277	386,380
2031	348,929	41,623	1,277	391,829
2032	354,425	41,706	1,277	397,408
2033	359,748	41,789	1,277	402,814
2034	364,666	41,871	1,277	407,814
2035	369,261	41,955	1,277	412,492
2036	373,917	42,038	1,277	417,232
2037	378,546	42,122	1,277	421,945
2038	383,149	42,205	1,277	426,631
2039	387,729	42,290	1,277	431,295
2040	392,271	42,373	1,277	435,921

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**Average Annual  
Growth (2020-40)**

3.7%

2.1%

0.0%

3.5%

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**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	
2016	2,353,891	594,331	98,962	3,047,184	
2017	2,387,566	614,970	99,273	3,101,809	
2018	2,459,001	620,859	97,431	3,177,291	
2019	2,437,324	486,534	75,121	2,998,979	
2020	1,799,867	407,184	61,666	2,268,717	
<b>Forecast</b>	2021	1,723,360	420,889	61,666	2,205,915
	2022	1,885,572	448,962	61,666	2,396,201
	2023	2,130,408	473,974	61,666	2,666,049
	2024	2,329,874	488,460	61,666	2,880,000
	2025	2,513,228	494,857	61,666	3,069,751

## IFR Aircraft Handled By User Category

### ZTL - Atlanta, Georgia ARTCC

2026	2,640,891	498,345	61,666	3,200,902
2027	2,710,927	501,859	61,666	3,274,452
2028	2,767,166	505,399	61,666	3,334,231
2029	2,823,461	508,965	61,666	3,394,092
2030	2,878,917	512,557	61,666	3,453,141
2031	2,938,504	516,176	61,666	3,516,345
2032	3,000,065	519,821	61,666	3,581,552
2033	3,061,274	523,493	61,666	3,646,433
2034	3,120,152	527,194	61,666	3,709,012
2035	3,177,381	530,920	61,666	3,769,968
2036	3,235,423	534,675	61,666	3,831,764
2037	3,293,372	538,457	61,666	3,893,496
2038	3,350,663	542,266	61,666	3,954,596
2039	3,407,763	546,105	61,666	4,015,535
2040	3,464,619	549,972	61,666	4,076,257

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<b>Average Annual Growth (2020-40)</b>	3.3%	1.5%	0.0%	3.0%
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**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
	2011	7,074,434	1,088,463	580,734	8,743,631
	2012	7,047,853	1,063,014	558,218	8,669,085
	2013	6,925,620	1,086,155	483,324	8,495,099
	2014	7,350,373	1,117,938	511,383	8,979,694
	2015	7,476,216	1,158,903	494,484	9,129,603
	2016	7,871,294	1,184,624	487,056	9,542,974
	2017	8,128,668	1,190,020	453,266	9,771,954
	2018	8,421,557	1,199,946	438,920	10,060,423
	2019	8,612,721	1,193,385	431,298	10,237,404
	2020	6,245,977	985,762	350,671	7,582,410
2011	7,074,434	1,088,463	580,734	8,743,631	
<b>Forecast</b>	2021	5,846,684	1,021,633	350,671	7,218,988
	2022	6,476,167	1,104,045	350,671	7,930,883
	2023	7,434,707	1,172,718	350,671	8,958,096
	2024	8,255,767	1,211,760	350,671	9,818,198
	2025	8,921,225	1,227,602	350,671	10,499,498

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

2026	9,397,282	1,239,514	350,671	10,987,467
2027	9,695,613	1,251,587	350,671	11,297,871
2028	9,929,027	1,263,826	350,671	11,543,524
2029	10,159,004	1,276,229	350,671	11,785,904
2030	10,380,731	1,288,801	350,671	12,020,203
2031	10,611,483	1,301,543	350,671	12,263,697
2032	10,847,261	1,314,460	350,671	12,512,392
2033	11,083,103	1,327,554	350,671	12,761,328
2034	11,312,909	1,340,827	350,671	13,004,407
2035	11,537,231	1,354,283	350,671	13,242,185
2036	11,762,988	1,367,926	350,671	13,481,584
2037	11,990,149	1,381,758	350,671	13,722,578
2038	12,212,966	1,395,781	350,671	13,959,418
2039	12,434,296	1,409,998	350,671	14,194,965
2040	12,656,284	1,424,417	350,671	14,431,372

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<b>Average Annual Growth (2020-40)</b>	3.6%	1.9%	0.0%	3.3%
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**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
2016		430,415	21,026	37,591	489,032
2017		422,399	20,854	28,693	471,946
2018		416,879	18,669	25,564	461,112
2019		424,391	18,436	23,237	466,064
2020		274,221	14,580	20,010	308,811
<b>Forecast</b>	2021	211,618	13,924	20,010	245,552
	2022	245,838	16,221	20,010	282,069
	2023	296,238	18,682	20,010	334,930
	2024	350,190	20,047	20,010	390,248
	2025	389,838	20,655	20,010	430,503

## IFR Aircraft Handled By User Category

### HCF - Honolulu, Hawaii Control Facility

2026	423,982	20,707	20,010	464,700
2027	443,976	20,760	20,010	484,746
2028	455,249	20,812	20,010	496,072
2029	466,721	20,865	20,010	507,596
2030	477,257	20,918	20,010	518,186
2031	487,216	20,971	20,010	528,197
2032	495,969	21,025	20,010	537,004
2033	504,515	21,078	20,010	545,603
2034	513,196	21,132	20,010	554,337
2035	521,517	21,185	20,010	562,713
2036	529,931	21,239	20,010	571,180
2037	538,747	21,294	20,010	580,051
2038	547,262	21,348	20,010	588,620
2039	555,658	21,402	20,010	597,070
2040	564,170	21,457	20,010	605,637

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<b>Average Annual Growth (2020-40)</b>	3.7%	2.0%	0.0%	3.4%
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**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	
2016	455,525	38,250	88,719	582,494	
2017	469,791	38,253	87,642	595,686	
2018	500,148	43,447	81,650	625,245	
2019	486,007	45,270	81,366	612,643	
2020	400,783	40,460	43,870	485,113	
<b>Forecast</b>	2021	412,443	45,380	43,870	501,693
	2022	428,133	46,920	43,870	518,922
	2023	452,559	47,164	43,870	543,593
	2024	472,346	47,349	43,870	563,565
	2025	490,431	47,516	43,870	581,817

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

2026	504,124	47,679	43,870	595,673
2027	519,505	47,844	43,870	611,219
2028	532,456	48,009	43,870	624,335
2029	544,869	48,175	43,870	636,914
2030	556,333	48,342	43,870	648,545
2031	567,495	48,509	43,870	659,874
2032	578,874	48,677	43,870	671,421
2033	590,327	48,846	43,870	683,043
2034	601,622	49,016	43,870	694,508
2035	612,666	49,187	43,870	705,723
2036	623,868	49,359	43,870	717,096
2037	634,955	49,531	43,870	728,356
2038	645,844	49,704	43,870	739,418
2039	656,601	49,878	43,870	750,349
2040	667,157	50,053	43,870	761,080

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**Average Annual  
Growth (2020-40)**

2.6%

1.1%

0.0%

2.3%

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**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	
2016	1,468,379	258,198	38,407	1,764,984	
2017	1,524,383	259,186	36,028	1,819,597	
2018	1,581,357	261,007	33,180	1,875,544	
2019	1,640,345	256,454	31,529	1,928,328	
2020	1,247,906	224,679	28,454	1,501,039	
<b>Forecast</b>	2021	1,237,013	232,009	28,454	1,497,475
	2022	1,327,481	243,809	28,454	1,599,744
	2023	1,463,129	254,768	28,454	1,746,351
	2024	1,581,191	258,719	28,454	1,868,364
	2025	1,681,261	260,064	28,454	1,969,779

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

2026	1,755,084	261,141	28,454	2,044,679
2027	1,803,867	262,224	28,454	2,094,545
2028	1,845,038	263,313	28,454	2,136,806
2029	1,885,843	264,407	28,454	2,178,704
2030	1,926,323	265,506	28,454	2,220,284
2031	1,969,344	266,612	28,454	2,264,410
2032	2,013,781	267,722	28,454	2,309,958
2033	2,058,427	268,839	28,454	2,355,720
2034	2,101,567	269,961	28,454	2,399,982
2035	2,143,543	271,088	28,454	2,443,085
2036	2,185,859	272,222	28,454	2,486,535
2037	2,228,360	273,361	28,454	2,530,175
2038	2,270,090	274,506	28,454	2,573,050
2039	2,311,614	275,656	28,454	2,615,724
2040	2,353,029	276,813	28,454	2,658,296

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<b>Average Annual Growth (2020-40)</b>	3.2%	1.0%	0.0%	2.9%
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**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	
2016	1,847,883	309,566	72,204	2,229,653	
2017	1,866,355	310,654	63,280	2,240,289	
2018	1,935,110	308,602	64,413	2,308,125	
2019	1,946,186	295,915	56,981	2,299,082	
2020	1,369,680	229,886	44,046	1,643,612	
<b>Forecast</b>	2021	1,282,262	244,369	44,046	1,570,677
	2022	1,442,074	267,352	44,046	1,753,472
	2023	1,693,158	288,365	44,046	2,025,569
	2024	1,902,104	296,750	44,046	2,242,899
	2025	2,055,929	300,047	44,046	2,400,022

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

2026	2,161,307	302,542	44,046	2,507,896
2027	2,226,380	305,059	44,046	2,575,485
2028	2,281,158	307,597	44,046	2,632,801
2029	2,337,156	310,158	44,046	2,691,360
2030	2,388,332	312,740	44,046	2,745,118
2031	2,442,319	315,344	44,046	2,801,709
2032	2,498,198	317,971	44,046	2,860,215
2033	2,554,045	320,621	44,046	2,918,712
2034	2,608,164	323,294	44,046	2,975,505
2035	2,660,960	325,990	44,046	3,030,997
2036	2,714,147	328,710	44,046	3,086,903
2037	2,767,472	331,454	44,046	3,142,972
2038	2,819,751	334,220	44,046	3,198,017
2039	2,871,287	337,011	44,046	3,252,344
2040	2,922,817	339,826	44,046	3,306,689

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<b>Average Annual Growth (2020-40)</b>	3.9%	2.0%	0.0%	3.6%
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**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	
2016	1,171,502	190,677	32,262	1,394,441	
2017	1,210,640	188,542	29,872	1,429,054	
2018	1,248,499	192,409	28,884	1,469,792	
2019	1,289,979	196,958	28,463	1,515,400	
2020	976,983	175,681	23,910	1,176,574	
<b>Forecast</b>	2021	970,503	183,226	23,910	1,177,639
	2022	1,053,037	194,348	23,910	1,271,294
	2023	1,173,222	199,147	23,910	1,396,279
	2024	1,284,593	201,746	23,910	1,510,248
	2025	1,377,057	203,230	23,910	1,604,197

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

2026	1,440,081	204,489	23,910	1,668,479
2027	1,478,870	205,755	23,910	1,708,535
2028	1,511,536	207,030	23,910	1,742,476
2029	1,544,397	208,313	23,910	1,776,620
2030	1,577,254	209,605	23,910	1,810,769
2031	1,612,382	210,905	23,910	1,847,198
2032	1,648,846	212,215	23,910	1,884,971
2033	1,685,429	213,532	23,910	1,922,871
2034	1,720,778	214,859	23,910	1,959,546
2035	1,755,447	216,194	23,910	1,995,551
2036	1,790,264	217,538	23,910	2,031,712
2037	1,825,213	218,891	23,910	2,068,015
2038	1,859,529	220,253	23,910	2,103,692
2039	1,893,846	221,625	23,910	2,139,380
2040	1,928,437	223,005	23,910	2,175,352

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**Average Annual  
Growth (2020-40)**

3.5%

1.2%

0.0%

3.1%

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**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	
2016	1,357,697	201,370	81,814	1,640,881	
2017	1,451,549	202,921	79,674	1,734,144	
2018	1,527,350	200,823	77,157	1,805,330	
2019	1,588,048	202,518	78,059	1,868,625	
2020	1,092,987	154,585	76,317	1,323,889	
<b>Forecast</b>	2021	913,221	143,946	76,317	1,133,484
	2022	1,064,211	164,961	76,317	1,305,489
	2023	1,293,194	185,568	76,317	1,555,079
	2024	1,474,076	202,215	76,317	1,752,608
	2025	1,624,834	208,462	76,317	1,909,613

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

2026	1,733,534	212,686	76,317	2,022,537
2027	1,794,155	216,996	76,317	2,087,467
2028	1,839,237	221,394	76,317	2,136,948
2029	1,883,415	225,881	76,317	2,185,614
2030	1,925,729	230,460	76,317	2,232,506
2031	1,969,041	235,132	76,317	2,280,490
2032	2,012,789	239,900	76,317	2,329,006
2033	2,056,402	244,765	76,317	2,377,483
2034	2,099,131	249,728	76,317	2,425,176
2035	2,140,702	254,793	76,317	2,471,812
2036	2,182,659	259,962	76,317	2,518,937
2037	2,225,149	265,236	76,317	2,566,702
2038	2,266,802	270,617	76,317	2,613,736
2039	2,308,105	276,108	76,317	2,660,530
2040	2,349,601	281,711	76,317	2,707,629

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<b>Average Annual Growth (2020-40)</b>	3.9%	3.0%	0.0%	3.6%
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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	
2016	941,698	157,255	74,674	1,173,627	
2017	973,035	159,828	73,575	1,206,438	
2018	1,008,283	166,463	77,867	1,252,613	
2019	1,034,969	169,439	75,868	1,280,276	
2020	756,382	138,991	61,875	957,248	
<b>Forecast</b>	2021	715,708	153,553	61,875	931,136
	2022	795,767	163,491	61,875	1,021,133
	2023	917,954	169,648	61,875	1,149,478
	2024	1,020,810	172,279	61,875	1,254,965
	2025	1,113,279	174,851	61,875	1,350,006

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

2026	1,179,215	177,400	61,875	1,418,489
2027	1,221,495	179,986	61,875	1,463,356
2028	1,250,431	182,610	61,875	1,494,916
2029	1,277,586	185,272	61,875	1,524,732
2030	1,305,864	187,973	61,875	1,555,713
2031	1,335,430	190,714	61,875	1,588,020
2032	1,365,949	193,496	61,875	1,621,320
2033	1,396,524	196,317	61,875	1,654,716
2034	1,426,443	199,181	61,875	1,687,499
2035	1,455,832	202,085	61,875	1,719,793
2036	1,485,151	205,033	61,875	1,752,059
2037	1,514,608	208,025	61,875	1,784,508
2038	1,543,528	211,060	61,875	1,816,462
2039	1,572,524	214,139	61,875	1,848,538
2040	1,601,921	217,263	61,875	1,881,059

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<b>Average Annual Growth (2020-40)</b>	3.8%	2.3%	0.0%	3.4%
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**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	
2016	198,195	8,282	61,385	267,862	
2017	210,516	9,782	54,502	274,800	
2018	203,931	8,526	50,205	262,662	
2019	202,796	8,395	55,795	266,986	
2020	127,035	6,900	52,189	186,124	
<b>Forecast</b>	2021	103,916	5,228	52,189	161,333
	2022	119,627	6,943	52,189	178,760
	2023	145,254	9,375	52,189	206,818
	2024	170,456	12,655	52,189	235,300
	2025	188,597	12,776	52,189	253,562

## IFR Aircraft Handled By User Category

### ZUA - Guam CERAP

2026	199,955	12,870	52,189	265,014
2027	207,365	12,965	52,189	272,519
2028	213,920	13,061	52,189	279,170
2029	219,017	13,158	52,189	284,364
2030	223,638	13,256	52,189	289,083
2031	228,257	13,354	52,189	293,800
2032	232,856	13,454	52,189	298,499
2033	237,436	13,555	52,189	303,180
2034	242,009	13,656	52,189	307,854
2035	246,564	13,759	52,189	312,512
2036	251,109	13,863	52,189	317,161
2037	255,644	13,967	52,189	321,800
2038	260,160	14,073	52,189	326,422
2039	264,661	14,180	52,189	331,029
2040	269,152	14,287	52,189	335,629

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**Average Annual  
Growth (2020-40)**

3.8%

3.7%

0.0%

3.0%

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