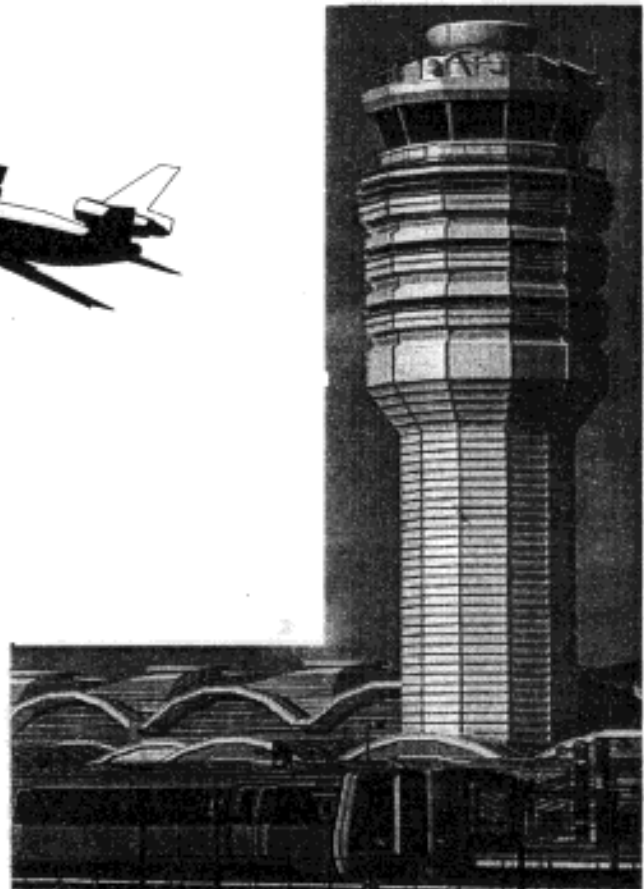


# Terminal Area Forecasts



Fiscal Years  
1997-2010

# Preface

The TAF is developed by the FAA's Office of Aviation Policy and Plans (APO) and is based upon national forecasts of aviation activity contained in FAA Aviation Forecasts: Fiscal Years 1997-2008 (March 1997). APO maintains the TAF database.

The FAA uses these forecasts to develop its programs and budget plans. FAA staffing standards and other resource models use the TAF to forecast requirements for operating the airspace system. However, the public may find these forecasts useful for airport development planning and for accommodating future aviation needs.

The FAA has placed the TAF on the World Wide Web at <http://www.apo.faa.gov/> The FAA welcomes public comment about the forecasts, as well as suggestions for improving the usefulness of this document.

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John M. Rodgers  
Director, Office of Aviation Policy and Plans

## Acknowledgments

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The software support was executed under the direction of Carlton R. Wine, Manager, Information Systems Branch. Mr. Wine and his staff organize and manage the data bases used to produce the forecasts, update the computer programs, and carry out the computer operations necessary to produce the

individual airport forecasts. We extend a special thanks to Damien G. Agostinelli who programmed the TAF software and has made the access and analysis of this airport data so much easier.

Special acknowledgments are made to FAA Regional and District Office staff, particularly Airports and Air Traffic personnel, for their assistance in coordinating the regional reviews, State input, and final forecast recommendations. The reviews and comments of the regional offices were extremely important and useful in guiding the Statistics and Forecasts Branch in making adjustments to the preliminary version of the report. Undoubtedly, this effort has enhanced the accuracy and credibility of the final product.

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## Summary Highlights for Fiscal Year 1996

- This document presents forecasts for 315 FAA towered airports, 128 Federal contract towers, and 175 radar approach control facilities, and 2,962 non-towered airports.
- A total 605.5 million passengers were enplaned at combined FAA and Federal contract towered airports.
- The top 100 air carrier airports accounted for 574.6 million enplanements, or 94.1 percent of total enplanements.
- FAA towers served 52.7 million operations (takeoffs or landings) including 22.9 million commercial aircraft operations.
- Towers operated under Federal contract by FAA handled 9.2 million operations, including 1.1 million commercial operations.
- Large hub airports (airports enplaning one percent or more of total passengers) enplaned 412.6 million passengers. These large hub airports are projected to enplane 684.3 million passengers by 2010, a 66 percent increase over the 14-year period. Aircraft operations at large hubs are forecast to grow 35 percent over the forecast period, from 13.6 to 18.3 million.
- Medium hub airports (airports enplaning 0.25 to 0.999 percent of total passengers) recorded 135.7 million enplanements and are expected to reach 237.9 million by 2010, a 75 percent increase. Aircraft operations are forecast to increase from 9.2 to 11.6 million, a 26 percent rise.
- Chicago O'Hare (32.2 million enplanements), Atlanta (30.7 million), Los Angeles (28.2 million), Dallas/Ft. Worth (27.4 million), and San Francisco (18.3 million) are the five largest U.S. commercial airports. Dallas/Ft. Worth is expected to replace Chicago as the country's busiest airport by 2010 when they are projected to enplane approximately 48 and 46 million passengers, respectively.
- Enplanements at Cincinnati, Orlando, Las Vegas, Miami, and Houston are projected to grow fastest among large hub airports. Annual growth rates at these airports are expected to exceed 4.5 percent.
- The Southern region led all FAA regions with 24.0 million aircraft operations, 20 percent of total aircraft operations at towered and non-towered airports. The Western Pacific and Great Lakes regions followed with 20.8 and 20.4 million operations, respectively (17 percent of total operations each).
- The Southern region is expected to maintain its lead in total aircraft operations, reaching 26.6 million by 2010, an 11 percent increase. The Western Pacific region will remain in second place among FAA regions in 2010 with 23.8 million operations, followed by Great Lakes with 22.1 million operations.

## Forecast Process

### Introduction

This Terminal Area Forecast (TAF) contains historical and forecast data for enplanements, airport operations and instrument operations. The data covers the 315 FAA towered airports, 128 Federal contract tower airports, 175 radar approach control facilities, and 2,962 non-FAA airports. Data in the TAF are presented on a U.S. government fiscal year basis (October through September).

TAF data are available on the internet under the Office of Aviation Policy and Plans' (APO) Data Systems page. The internet address is <http://www.apo.data.faa.gov/>.

The TAF is prepared to assist the FAA in meeting its planning, budget, and staffing requirements. In addition, many state aviation authorities and other aviation planners use the TAF as a basis for planning future airport improvements.

Data presented in this document show historical information beginning in 1992 and forecasts for 1997 through 2000, 2005, and 2010.

For each FAA region, this document contains a set of summary tables showing total aviation activity by State within the region. State and regional summary statistics precede the individual airport forecasts. Five tables summarize enplanements, commercial operations (air carrier and commuter/air taxi), itinerant operations, total operations (itinerant and local), and instrument operations by region and State for 1992 to 2010.

Individual airports are listed by city within a State, i.e., Chicago O'Hare is listed under Chicago within Illinois. Cities are arranged in

alphabetical order. This document shows Federal contract tower airports following FAA served airports. Radar approach control facilities are listed at the end of each regional section. This listing shows the airports served by these control facilities where available.

The airport activity data consists of the following:

- ◆ *enplanements* for air carriers and commuters;
- ◆ *itinerant operations* for air carriers, commuters and air taxis, general aviation (GA), and military;
- ◆ *local operations* for GA and military aircraft; and
- ◆ *total instrument operations* (primary and secondary).

Instrument operations may exceed total airport operations when the radar control facility at the airport provides service to secondary airports. Appendix A furnishes a description of the activity data elements in the TAF.

### Forecast Method

The TAF model has undergone several revisions in the past few years. Important changes include enhancing the statistical models underlying the TAF forecasts, using the FAA's national forecast as a base for many airport forecasts, and incorporating the most recent available historical data (fiscal year 1996).

Forecasts of aviation activity at FAA-towered airports are developed using a statistical technique known as linear multiple regression. This technique is employed to estimate the forecast data series (for example, commuter

enplanements) as a linear function of the national forecast in that series and a time trend variable. The national forecast is then utilized to project each airport's future activity.

Each estimated linear function is examined for reasonableness. When the relationship produces estimates that appear to deviate from expected behavior, other statistical techniques are used to reforecast the series. These include other functional forms such as logarithmic transformations of the time series equations.

FAA towered airport forecasts are first reviewed by an analyst at FAA headquarters before submitting the preliminary estimates to FAA regional and district offices for review. For some airports, the TAF also includes forecasts developed by local authorities, regional officials, and FAA headquarters. Thus, the TAF reflects, to the extent possible, the most recent FAA-approved airport master plans.

The 41 commercial service airports in the large hub cities receive an in-depth review by FAA economists. To forecast passenger enplanements at large hub city airports, FAA economists developed individual models for each hub area, using trend data and the latest local economic outlook to project passenger enplanements. Commercial operations forecasts are based on projected passenger demand and assumptions regarding changes in aircraft seating size and load factor.

Except where specific slot-control procedures are in effect, the TAF assumes an unconstrained demand for air carrier and commuter services. The forecast is developed independent of the ability of airports and the air traffic control system to supply the capacity to meet the demand. This means that the forecast

assumes that capacity will expand to meet new demand.

Because military operations forecasts often have national security implications, the Department of Defense provides limited information on future military aviation activity. Hence, the TAF projects military activity at its present level except when FAA has specific knowledge of a change in military activity. For instance, the Defense Department may announce a base closing or may shift an Air Force wing from one base to another.

The summary statistics presented in the TAF differ only marginally from the national totals contained in [FAA Aviation Forecasts: Fiscal Years 1997-2008](#). The reasons for the minor differences are twofold. First, the TAF forecast methods rely, in part, upon the airports historical national share of aviation activity, but also consider trends apart from those related to the airports' national share. In particular, large hub airport forecasts, are based, in part, on the expected economic activity in the area. Second, individual forecasts are not scaled to force aggregates to the equal national totals.

The TAF includes non-FAA facilities in its totals. These facilities, although not shown separately in this document, make up a large share of the general aviation operations activity shown in summary tables. However, the TAF reflects the national trends present in the national forecasts.

### **Data Sources**

The forecast process begins with an update of the latest historical data, using information derived from several data sources. FAA's National Flight Data Center provides general airport information such as the airport name, location and identifier. Airport operations and

instrument (radar assisted) operations data for airports with FAA and Federal contract air traffic control services are reported by FAA air traffic staff. Operations at non-FAA airports are derived from FAA Form 5010. Form 5010 reports aviation activity at the airport as estimated by FAA inspectors and State planning agencies using information provided by airport managers and others.

U.S. domestic and international (U.S. and foreign flag carriers) enplanements are derived from Department of Transportation (DOT) Form T-100 (large air carriers). Commuter enplanements are derived from DOT Form 298C.

Based aircraft data are supplied by State aviation officials and reported on FAA Form 5010. These data show numbers of aircraft, mostly general aviation aircraft, permanently based at an airport.

For the most part, the TAF contains actual historical data through fiscal year 1996. However, international and commuter enplanements contain estimates for the fourth quarter of fiscal year 1996 (July to September). Appendix A contains a detailed description of each TAF data element.



## **TAF and National Forecast Totals**

### **National Forecast Trends**

Trends at individual airports reflect to varying degrees national trends taking place within the aviation industry. Therefore, changes from last year's TAF reflects, in part, changes in the national forecast. Changes also reflect, of course, dynamics occurring at individual airports.

The national forecast (published as [FAA Aviation Forecasts: Fiscal Years 1997-2008](#)) shows aircraft operations (takeoffs and landings) at FAA and Federal contract tower airports with an annual growth rate of 1.3 percent over the next 12 years. Average annual growth rates for the 12-year period by user group is as follows: air carrier, 2.5 percent; air taxi/ commuter, 2.0 percent; and general aviation, 0.7 percent. Comparable 12-year growth rates from the March 1996 national forecast were 2.6, 2.4, and 0.8 percent, respectively.

The projected annual rate of increase for air carrier enplanements is 4.1 percent annually over the 12-year forecast period, compared to the projected annual rate of 3.9 percent a year earlier. Commuter enplanements are projected to increase 5.3 percent annually, compared to 5.0 percent in last year's national forecast.

### **Data Summary and Comparisons**

In fiscal year 1996, FAA served 315 towers (level 1 through 5) and 128 Federal contract towers. California has the most FAA towers with 37 followed by Florida with 22 and Texas with 21. The Southern and Great Lakes

regions each operate 58 and 56 towers, respectively, followed by the Western Pacific region with 53 towers. Table S-3 presents FAA air traffic control towers and Federal contract towers by region and State.

Twenty-nine large hub airports enplaned 413 million passengers in fiscal year 1996 while 42 medium and 67 small hub airports enplaned 136 and 42 million passengers, respectively. Non-hub airports enplaned 16 million passengers during the fiscal year. Table S-5 presents passenger enplanements and airport operations by hub size. Appendix B presents a listing of hub airports classified by size: large, medium, small, and non-hub.

Enplanements at large hub airports are projected to increase 66 percent between 1996 and 2010, from 413 to 684 million. Total enplanements, including those at non-towered facilities, are forecast to increase 67 percent over the same period, from 611 to 1,022 million passengers.

Operations (arrivals plus departures) at large hub airports totaled 13.6 million compared to levels of 9.2 and 8.2 million at medium and small hub airports. Airport operations total by hub size appear in Table S-5.

Operations at large hub airports are forecast to increase 34 percent by 2010, growing to 18.3 million. Operations at all FAA and Federal contract tower airports are projected to increase from 61.9 to 72.7 million, an increase of 17 percent.

Non-hub airports accounted for 30.9 million operations or 50 percent of total operations at

FAA and Federal contract towers. General aviation aircraft operations account for the majority of operations at these smaller airports.

Tables S-6 through S-10 summarize airport operations and enplanements by region from 1992 through 2010. The Southern (24.0 million), Western Pacific (20.8 million), and Great Lakes (20.4 million) regions rank as the top three regions in airport operations. Airport operations nationwide totaled 120 million in 1996.

The Northwest Mountain and Western Pacific regions are expected to lead among FAA regions in their rate of aircraft activity growth, increasing 14.6 and 14.1 percent over the forecast period, respectively.

The Western Pacific led among FAA regions in passengers enplaned with 132 million in fiscal year 1996, followed by Southern with 130 million passengers. Enplanements in the Western Pacific and Southwest regions will grow by about 4 percent annually over the forecast period.

### **Large, Medium, and Small Hubs**

This section reports historical data and forecast aviation activity summaries for the nation's hub airports. An airport qualifies as a *large* hub with 1 percent or more of total U.S. passengers enplaned. A *medium* hub airport enplanes from .25 to .99 percent of total U.S. passengers while *small* and *non* hub airports enplane .05 to .249 percent and less than .05 percent, respectively.

Table S-5 shows enplanements and operations for FAA towered airports by hub size. Of the 315 FAA towered airports, 29 airports have large hub status; 42 airports fall into the medium hub category compared with 67 small and 273 non-hub status. Enplanements at large hubs are expected to rise at a rate of 3.7 percent to 2010. Median and small hub airports are forecast to rise at annual rates of 4.1 and 3.5 percent, respectively, to 2010.

### **Large Hub Forecasts**

Table S-1 presents enplanement forecast summaries for large hub airports. In fiscal year 1996, Chicago O'Hare enplaned 32.2 million passengers followed by Atlanta with 30.7 million, Los Angeles with 28.2 million, and Dallas/Ft. Worth with 27.4 million.

Dallas/Ft. Worth and Los Angeles will experience the strongest growth in enplanements among the top four airports, expanding at annual rates of 4.1 and 3.5 percent over the forecast period. Atlanta is forecast to increase at an annual rate of 2.7 percent compared to 2.6 percent for Chicago O'Hare.

Graph S-1 shows that enplanements will expand most rapidly over the next 14 years at Cincinnati (up 5.7 percent annually), Orlando (up 5.7 percent), Las Vegas (up 5.3 percent), Miami (up 4.7 percent), and Houston (up 4.5 percent).

Two airports, Las Vegas and Orlando, are forecast to move into the top ten airports in enplanements. Las Vegas moves from 11th to 7th position and Orlando moves from 17th to 10th. They replace Denver and New York Kennedy which are projected to drop to 16th and 14th place, respectively.

Two other hub airports, Cincinnati and Boston also make large moves in their enplanements ranking. Cincinnati/Northern Kentucky International, ranked first among major hub airports for its enplanements growth, will move over the forecast period from 25th to 17th position in the number of enplaned passengers. Boston Logan, with a projected growth rate in enplanements second to the last among large hub airports, is expected to fall from 15th to 22nd position.

Table S-2 presents operations forecast summaries for the large hub airports. In fiscal year 1996, airport operations at Chicago O'Hare totaled 909,000 followed by Dallas/Ft. Worth with 869,000, Atlanta with 772,000, and Los Angeles with 764,000

Dallas/Ft. Worth is expected to surpass Chicago O'Hare as the number one airport in terms of total aircraft operations by 2010, with activity increasing at an annual rates of 3.1 percent, between 1996 and 2010. Operations at Chicago O'Hare increase by only 1.3 percent over the same time period, the relatively slower growth due to current slot-control capacity constraints. Los Angeles and Atlanta also exchange third and fourth rankings during the forecast period. Operations at Los Angeles will increase at a 2.0 percent pace compared with Atlanta's 1.6 percent annual growth rate.

Graph S-2 shows that operations will increase most rapidly at Cincinnati (up 3.9 percent annually), Orlando (up 3.5 percent), Houston (up 3.3 percent), and Dallas/Ft. Worth (up 3.1 percent). Cincinnati will replace Minneapolis in the top ten, moving from 19th to 10th position while Minneapolis drops from 9th to 11th position..

Fast growing Houston and Orlando will move up from 20th and 25th positions to 13th and

18th positions, respectively. Boston Logan is projected to tumble from 11th to 22nd.

### **Medium/Small Hub Forecasts**

The 42 medium hubs enplaned 136 million passengers in 1996. Enplanements at these airports are forecast to increase by 75 percent over the forecast period, an annual growth rate of 4.1 percent. At the 67 small hubs, enplanements will grow by 62 percent, an annual pace of 3.5 percent.

Operations at medium hubs will rise 27 percent by 2010, 1.7 percent per year. Small hub aircraft operations is forecast to grow only 13 percent, 0.9 percent annually.

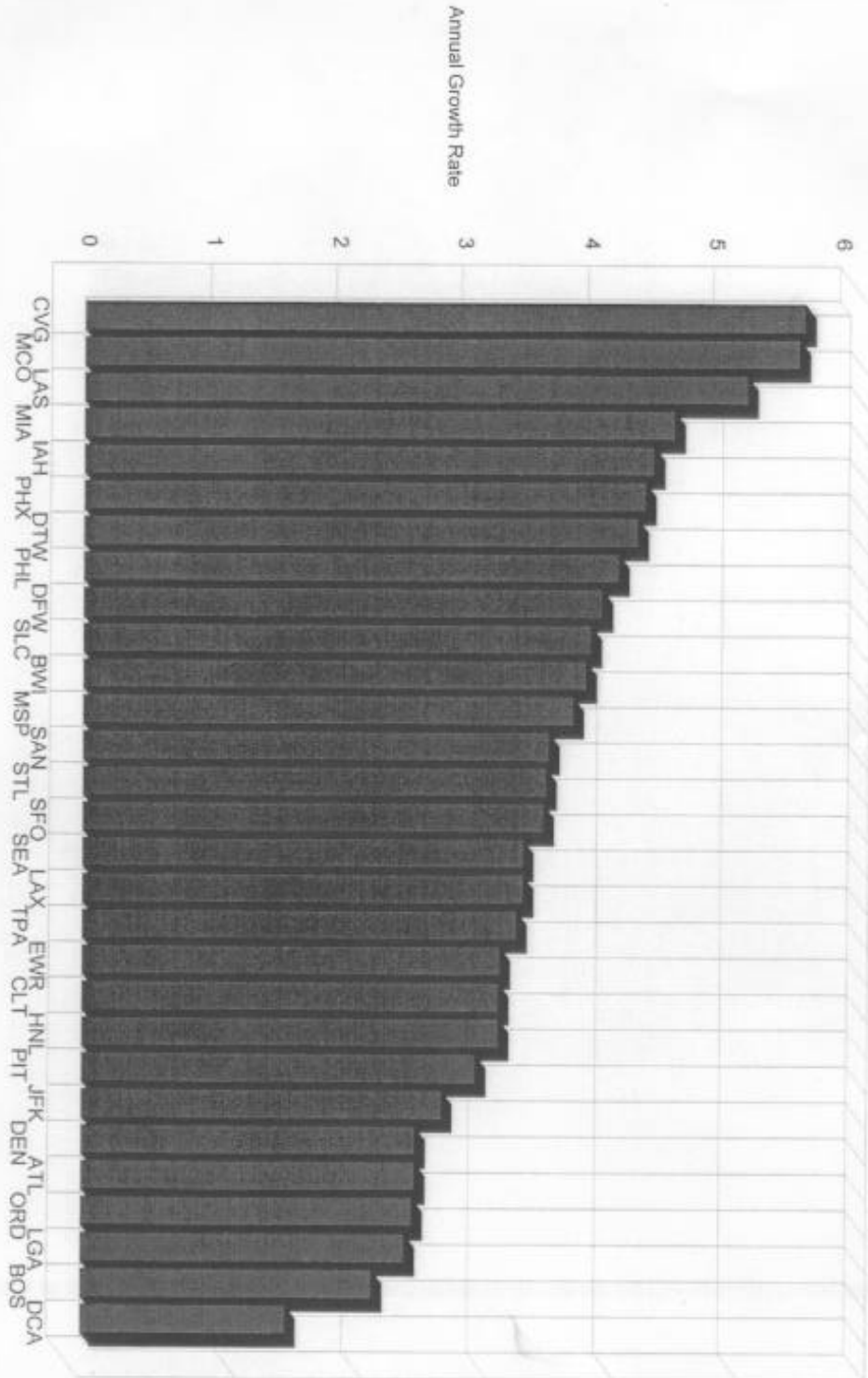
**Table S-1.**  
**Enplanements At Large Hub Airports\***  
(In Thousands)

Loc ID	Reg	Airport Name	1996**					Airport Ranking	
			1996	Percent	1997	2002	2010	1996	2010
ORD	AGL	CHICAGO O'HARE INTL	32,174	5.27	32,621	37,889	46,317	1	2
ATL	ASO	THE WILLIAM B HARTSFIELD ATLANTA INTL	30,651	5.02	31,625	36,495	44,287	2	4
LAX	AWP	LOS ANGELES INTL	28,247	4.63	29,105	35,510	45,758	3	3
DFW	ASW	DALLAS/FORT WORTH INTERNATIONAL	27,361	4.48	28,850	36,297	48,212	4	1
SFO	AWP	SAN FRANCISCO INTL	18,325	3.00	19,426	24,388	30,342	5	6
MIA	ASO	MIAMI INTL	16,077	2.63	16,640	21,996	30,565	6	5
DEN	ANM	DENVER INTL	15,237	2.50	15,721	18,144	22,020	7	16
JFK	AEA	JOHN F KENNEDY INTL	15,003	2.46	15,524	18,130	22,298	8	14
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	14,967	2.45	15,856	20,298	27,405	9	8
PHX	AWP	PHOENIX SKY HARBOR INTL	14,577	2.39	15,400	19,821	26,895	10	9
LAS	AWP	MC CARRAN INTL	14,295	2.34	15,263	20,694	29,383	11	7
EWR	AEA	NEWARK INTL	14,204	2.33	14,810	17,761	22,482	12	12
STL	ACE	LAMBERT-ST LOUIS INTL	13,496	2.21	14,132	17,312	22,399	13	13
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN/	13,382	2.19	14,061	17,452	22,879	14	11
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	12,250	2.01	12,745	14,629	16,893	15	22
IAH	ASW	HOUSTON INTERCONTINENTAL	11,912	1.95	12,645	16,308	22,168	16	15
MCO	ASO	ORLANDO INTL	11,791	1.93	12,710	17,659	25,579	17	10
SEA	ANM	SEATTLE-TACOMA INTL	11,741	1.92	12,261	14,860	19,019	18	18
HNL	AWP	HONOLULU INTL	11,264	1.85	11,633	13,999	17,784	19	19
CLT	ASO	CHARLOTTE/DOUGLAS INTL	10,725	1.76	11,169	13,391	16,945	20	21
LGA	AEA	LA GUARDIA	10,323	1.69	10,595	12,194	14,752	21	25
PIT	AEA	PITTSBURGH INTERNATIONAL	10,108	1.66	10,343	12,357	15,580	22	24
SLC	ANM	SALT LAKE CITY INTL	9,813	1.61	10,332	12,930	17,086	23	20
PHL	AEA	PHILADELPHIA INTL	9,073	1.49	10,138	12,447	16,270	24	23
CVG	ASO	CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL	8,782	1.44	9,523	13,230	19,160	25	17
DCA	AEA	WASHINGTON NATIONAL	7,227	1.18	7,231	7,929	9,062	26	29
SAN	AWP	SAN DIEGO INTL-LINDBERGH FLD	6,841	1.12	7,228	8,832	11,398	27	26
BWI	AEA	BALTIMORE-WASHINGTON INTL	6,554	1.07	6,870	8,590	11,342	28	27
TPA	ASO	TAMPA INTL	6,229	1.02	6,509	7,839	10,023	29	28

\* This selection of airports includes major air carrier airports in metropolitan areas where the total enplanements in the air carrier airports in the area summed to more than 1 percent of the national total. This selection is based on 1996 enplanements.

\*\*Percent of total enplanements.

**Graph S-1. Enplanements Growth Rates For Large Hub Airports - 1996 to 2010**



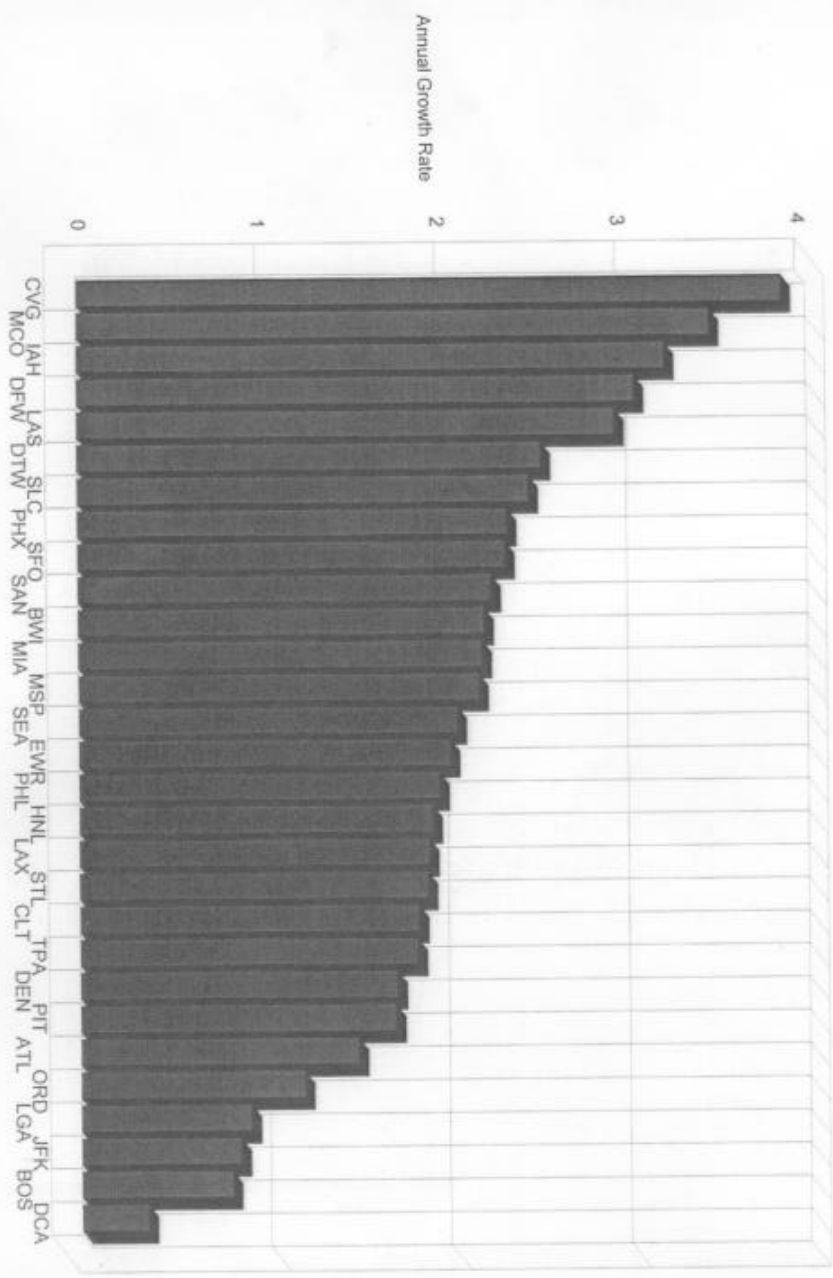
**Table S-2.**  
**Airport Operations At Large Hub Airports\***  
(In Thousands)

Loc ID	Reg	Airport Name	1996**					Airport Ranking	
			1996	Percent	1997	2002	2010	1996	2010
ORD	AGL	CHICAGO O'HARE INTL	909	0.76	892	967	1,081	1	2
DFW	ASW	DALLAS/FORT WORTH INTERNATIONAL	869	0.72	903	1,068	1,334	2	1
ATL	ASO	THE WILLIAM B HARTSFIELD ATLANTA INTL	772	0.64	785	852	958	3	4
LAX	AWP	LOS ANGELES INTL	764	0.64	780	865	1,001	4	3
MIA	ASO	MIAMI INTL	546	0.45	545	622	746	5	7
PHX	AWP	PHOENIX SKY HARBOR INTL	544	0.45	557	634	757	6	6
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	531	0.44	547	628	758	7	5
STL	ACE	LAMBERT-ST LOUIS INTL	517	0.43	528	585	676	8	9
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN/	483	0.40	496	558	658	9	11
LAS	AWP	MC CARRAN INTL	479	0.40	497	584	724	10	8
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	462	0.38	473	492	520	11	22
CLT	ASO	CHARLOTTE/DOUGLAS INTL	457	0.38	473	520	594	12	14
DEN	ANM	DENVER INTL	454	0.38	463	508	580	13	16
PIT	AEA	PITTSBURGH INTERNATIONAL	447	0.37	454	499	571	14	17
EWR	AEA	NEWARK INTL	443	0.37	461	511	590	15	15
SFO	AWP	SAN FRANCISCO INTL	442	0.37	454	516	615	16	12
PHL	AEA	PHILADELPHIA INTL	406	0.34	422	477	536	17	19
SEA	ANM	SEATTLE-TACOMA INTL	397	0.33	407	455	532	18	20
CVG	ASO	CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL	393	0.33	413	513	674	19	10
IAH	ASW	HOUSTON INTERCONTINENTAL	391	0.33	407	487	614	20	13
HNL	AWP	HONOLULU INTL	374	0.31	382	424	492	21	23
SLC	ANM	SALT LAKE CITY INTL	373	0.31	384	440	529	22	21
JFK	AEA	JOHN F KENNEDY INTL	360	0.30	362	379	407	23	24
LGA	AEA	LA GUARDIA	342	0.28	348	365	390	24	25
MCO	ASO	ORLANDO INTL	341	0.28	348	428	555	25	18
DCA	AEA	WASHINGTON NATIONAL	309	0.26	311	316	326	26	29
TPA	ASO	TAMPA INTL	272	0.23	279	306	353	27	27
BWI	AEA	BALTIMORE-WASHINGTON INTL	270	0.22	276	312	369	28	26
SAN	AWP	SAN DIEGO INTL-LINDBERGH FLD	243	0.20	249	282	334	29	28

\* This selection of airports includes major air carrier airports in metropolitan areas where the total enplanements in the air carrier airports in the area summed to more than 1 percent of the national total. This selection is based on 1996 enplanements.

\*\*Percent of total operations.

**Graph S-2. Airport Operations Growth Rates For Large Hub Airports - 1996 to 2010**



## Table S-3. Air Traffic Control Towers and Contract Towers by Region and State

As of September 30, 1996

Region/State	FAA Towers	Contract Towers	Region/State	FAA Towers	Contract Towers
<b>Alaska</b>			<b>Northwest Mountain</b>		
Alaska	7	2	Wyoming	1	1
Regional Total	7	2	Regional Total	29	14
<b>Central</b>			<b>Southern</b>		
Iowa	5	0	Alabama	5	2
Kansas	2	4	Florida	22	10
Missouri	6	2	Georgia	6	5
Nebraska	2	1	Kentucky	4	2
Regional Total	15	7	Mississippi	2	3
<b>Eastern</b>			North Carolina	7	1
District of Columbia	2	0	Puerto Rico	1	1
Delaware	1	0	South Carolina	5	2
Maryland	2	2	Tennessee	5	2
New Jersey	6	0	Virgin Islands	1	1
New York	13	3	Regional Total	58	29
Pennsylvania	11	1	<b>Southwest</b>		
Virginia	5	2	Arkansas	2	2
West Virginia	4	3	Louisiana	8	2
Regional Total	44	11	New Mexico	2	3
<b>Great Lakes</b>			Oklahoma	4	5
Illinois	12	6	Texas	21	8
Indiana	7	1	Regional Total	37	20
Michigan	13	1	<b>Western Pacific</b>		
Minnesota	6	0	American Samoa	1	0
North Dakota	4	0	Arizona	7	4
Ohio	9	2	California	37	13
South Dakota	1	1	Guam	0	1
Wisconsin	4	6	Hawaii	4	2
Regional Total	56	17	Unknown	1	0
<b>New England</b>			Nevada	3	0
Connecticut	3	3	South Pacific	0	0
Massachusetts	7	4	Regional Total	53	20
Maine	2	0	<b>Northwest Mountain</b>		
New Hampshire	2	1	Colorado	7	1
Rhode Island	1	0	Idaho	2	4
Vermont	1	0	Montana	4	0
Regional Total	16	8	Oregon	4	4
<b>Northwest Mountain</b>			Utah	1	1
Colorado	7	1	Washington	10	3
Idaho	2	4	<b>Grand Total</b>		
Montana	4	0	315	128	
Oregon	4	4			
Utah	1	1			
Washington	10	3			



**Table S-4.**  
**Ranking of Top 100 FAA Towers by Total Enplanements, FY 1996**

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
1	CHICAGO	IL	ORD	32,174,494	5.27	32,174,494	5.27	870,802	870,802
2	ATLANTA	GA	ATL	30,651,427	5.02	62,825,921	10.29	746,792	1,617,594
3	LOS ANGELES	CA	LAX	28,247,301	4.63	91,073,222	14.92	735,720	2,353,314
4	DALLAS-FORT WORTH	TX	DFW	27,361,201	4.48	118,434,423	19.40	840,684	3,193,998
5	SAN FRANCISCO	CA	SFO	18,325,018	3.00	136,759,441	22.40	399,715	3,593,713
6	MIAMI	FL	MIA	16,077,377	2.63	152,836,818	25.03	475,775	4,069,488
7	DENVER	CO	DEN	15,237,496	2.50	168,074,314	27.53	429,770	4,499,258
8	NEW YORK	NY	JFK	15,003,739	2.46	183,078,053	29.99	345,307	4,844,565
9	DETROIT	MI	DTW	14,967,807	2.45	198,045,860	32.44	450,000	5,294,565
10	PHOENIX	AZ	PHX	14,577,015	2.39	212,622,875	34.83	441,066	5,735,631
11	LAS VEGAS	NV	LAS	14,295,208	2.34	226,918,083	37.17	351,537	6,087,168
12	NEWARK	NJ	EWR	14,204,288	2.33	241,122,371	39.50	423,968	6,511,136
13	ST LOUIS	MO	STL	13,496,561	2.21	254,618,932	41.71	477,192	6,988,328
14	MINNEAPOLIS	MN	MSP	13,382,706	2.19	268,001,638	43.90	425,654	7,413,982
15	BOSTON	MA	BOS	12,250,552	2.01	280,252,190	45.91	433,605	7,847,587
16	HOUSTON	TX	IAH	11,912,957	1.95	292,165,147	47.86	367,677	8,215,264
17	ORLANDO	FL	MCO	11,791,816	1.93	303,956,963	49.79	307,377	8,522,641
18	SEATTLE	WA	SEA	11,741,706	1.92	315,698,669	51.71	389,683	8,912,324
19	HONOLULU	HI	HNL	11,264,391	1.85	326,963,060	53.56	266,136	9,178,460
20	CHARLOTTE	NC	CLT	10,725,530	1.76	337,688,590	55.32	393,416	9,571,876
21	NEW YORK	NY	LGA	10,323,763	1.69	348,012,353	57.01	322,432	9,894,308
22	PITTSBURGH	PA	PIT	10,108,915	1.66	358,121,268	58.67	410,759	10,305,067
23	SALT LAKE CITY	UT	SLC	9,813,187	1.61	367,934,455	60.28	287,147	10,592,214
24	PHILADELPHIA	PA	PHL	9,073,360	1.49	377,007,815	61.77	354,199	10,946,413
25	COVINGTON/CINCINNATI, OH	KY	CVG	8,782,063	1.44	385,789,878	63.21	377,711	11,324,124
26	WASHINGTON	DC	DCA	7,227,361	1.18	393,017,239	64.39	256,417	11,580,541
27	SAN DIEGO	CA	SAN	6,841,862	1.12	399,859,101	65.51	218,815	11,799,356
28	BALTIMORE	MD	BWI	6,554,638	1.07	406,413,739	66.58	238,291	12,037,647
29	TAMPA	FL	TPA	6,229,896	1.02	412,643,635	67.60	225,245	12,262,892
30	PORTLAND	OR	PDX	6,060,665	0.99	418,704,300	68.59	247,184	12,510,076
31	WASHINGTON	DC	IAD	6,039,746	0.99	424,744,046	69.58	268,898	12,778,974
32	CLEVELAND	OH	CLE	5,429,955	0.89	430,174,001	70.47	257,686	13,036,660
33	FORT LAUDERDALE	FL	FLL	5,191,494	0.85	435,365,495	71.32	161,144	13,197,804
34	SAN JUAN	PR	SJU	5,025,689	0.82	440,391,184	72.14	150,276	13,348,080
35	KANSAS CITY	MO	MCI	4,971,749	0.81	445,362,933	72.95	181,079	13,529,159

**Table S-4.**  
**Ranking of Top 100 FAA Towers by Total Enplanements, FY 1996**

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
36	OAKLAND	CA	OAK	4,809,148	0.79	450,172,081	73.74	234,375	13,763,534
37	SAN JOSE	CA	SJC	4,778,998	0.78	454,951,079	74.52	124,910	13,888,444
38	MEMPHIS	TN	MEM	4,579,094	0.75	459,530,173	75.27	296,835	14,185,279
39	CHICAGO	IL	MDW	4,476,761	0.73	464,006,934	76.00	174,488	14,359,767
40	NEW ORLEANS	LA	MSY	4,186,698	0.69	468,193,632	76.69	138,254	14,498,021
41	HOUSTON	TX	HOU	3,965,391	0.65	472,159,023	77.34	137,616	14,635,637
42	SANTA ANA	CA	SNA	3,577,067	0.59	475,736,090	77.93	101,393	14,737,030
43	DALLAS	TX	DAL	3,505,076	0.57	479,241,166	78.50	125,990	14,863,020
44	INDIANAPOLIS	IN	IND	3,477,759	0.57	482,718,925	79.07	180,182	15,043,202
45	SACRAMENTO	CA	SMF	3,460,728	0.57	486,179,653	79.64	118,164	15,161,366
46	NASHVILLE	TN	BNA	3,433,435	0.56	489,613,088	80.20	160,203	15,321,569
47	SAN ANTONIO	TX	SAT	3,283,997	0.54	492,897,085	80.74	126,530	15,448,099
48	ALBUQUERQUE	NM	ABQ	3,235,874	0.53	496,132,959	81.27	122,086	15,570,185
49	ONTARIO	CA	ONT	3,188,397	0.52	499,321,356	81.79	125,663	15,695,848
50	COLUMBUS	OH	CMH	3,133,068	0.51	502,454,424	82.30	144,101	15,839,949
51	RALEIGH/DURHAM	NC	RDU	3,096,367	0.51	505,550,791	82.81	147,201	15,987,150
52	RENO	NV	RNO	3,042,339	0.50	508,593,130	83.31	97,469	16,084,619
53	AUSTIN	TX	AUS	2,808,852	0.46	511,401,982	83.77	101,336	16,185,955
54	WEST PALM BEACH	FL	PBI	2,804,201	0.46	514,206,183	84.23	88,290	16,274,245
55	KAHULUI	HI	OGG	2,801,737	0.46	517,007,920	84.69	148,803	16,423,048
56	WINDSOR LOCKS	CT	BDL	2,667,513	0.44	519,675,433	85.13	113,633	16,536,681
57	MILWAUKEE	WI	MKE	2,662,988	0.44	522,338,421	85.57	145,563	16,682,244
58	BURBANK	CA	BUR	2,464,662	0.40	524,803,083	85.97	97,035	16,779,279
59	COLORADO SPRINGS	CO	COS	2,316,084	0.38	527,119,167	86.35	67,243	16,846,522
60	FORT MYERS	FL	RSW	2,088,515	0.34	529,207,682	86.69	58,908	16,905,430
61	ANCHORAGE	AK	ANC	1,894,953	0.31	531,102,635	87.00	183,131	17,088,561
62	AGANA	GU	GUM	1,838,771	0.30	532,941,406	87.30	31,116	17,119,677
63	JACKSONVILLE	FL	JAX	1,823,174	0.30	534,764,580	87.60	88,867	17,208,544
64	EL PASO	TX	ELP	1,808,991	0.30	536,573,571	87.90	72,037	17,280,581
65	LOUISVILLE	KY	SDF	1,764,275	0.29	538,337,846	88.19	134,710	17,415,291
66	TUCSON	AZ	TUS	1,753,331	0.29	540,091,177	88.48	60,779	17,476,070
67	OKLAHOMA CITY	OK	OKC	1,733,087	0.28	541,824,264	88.76	49,233	17,525,303
68	OMAHA	NE	OMA	1,710,151	0.28	543,534,415	89.04	79,662	17,604,965
69	TULSA	OK	TUL	1,647,923	0.27	545,182,338	89.31	69,069	17,674,034
70	SPOKANE	WA	GEG	1,631,997	0.27	546,814,335	89.58	86,677	17,760,711

**Table S-4.**  
**Ranking of Top 100 FAA Towers by Total Enplanements, FY 1996**

Rank	City	State	Location Identifier	Enplaned* Passengers	Percent** of Total	Cumulative Enplanements	Cumulative Percentage	Commercial*** Operations	Cumulative Operations
71	BUFFALO	NY	BUF	1,551,792	0.25	548,366,127	89.83	90,058	17,850,769
72	GREENSBORO	NC	GSO	1,448,177	0.24	549,814,304	90.07	89,501	17,940,270
73	NORFOLK	VA	ORF	1,372,199	0.22	551,186,503	90.29	58,531	17,998,801
74	BIRMINGHAM	AL	BHM	1,351,333	0.22	552,537,836	90.51	65,250	18,064,051
75	LITTLE ROCK	AR	LIT	1,269,245	0.21	553,807,081	90.72	59,373	18,123,424
76	BOISE	ID	BOI	1,253,019	0.21	555,060,100	90.93	69,598	18,193,022
77	LIHUE	HI	LIH	1,233,555	0.20	556,293,655	91.13	88,400	18,281,422
78	ROCHESTER	NY	ROC	1,213,888	0.20	557,507,543	91.33	83,760	18,365,182
79	KAILUA/KONA	HI	KOA	1,203,305	0.20	558,710,848	91.53	44,316	18,409,498
80	PROVIDENCE	RI	PVD	1,078,836	0.18	559,789,684	91.71	59,505	18,469,003
81	RICHMOND	VA	RIC	1,078,592	0.18	560,868,276	91.89	64,630	18,533,633
82	ALBANY	NY	ALB	1,003,412	0.16	561,871,688	92.05	86,709	18,620,342
83	SYRACUSE	NY	SYR	994,271	0.16	562,865,959	92.21	89,259	18,709,601
84	DAYTON	OH	DAY	991,908	0.16	563,857,867	92.37	98,140	18,807,741
85	DES MOINES	IA	DSM	917,160	0.15	564,775,027	92.52	62,306	18,870,047
86	GRAND RAPIDS	MI	GRR	837,568	0.14	565,612,595	92.66	61,660	18,931,707
87	SARASOTA/BRADENTON/	FL	SRQ	791,734	0.13	566,404,329	92.79	34,466	18,966,173
88	HILO	HI	ITO	760,001	0.12	567,164,330	92.91	58,100	19,024,273
89	WICHITA	KS	ICT	734,820	0.12	567,899,150	93.03	49,126	19,073,399
90	CHARLESTON	SC	CHS	706,168	0.12	568,605,318	93.15	31,070	19,104,469
91	GREER	SC	GSP	691,467	0.11	569,296,785	93.26	38,696	19,143,165
92	KNOXVILLE	TN	TYS	689,864	0.11	569,986,649	93.37	46,141	19,189,306
93	LUBBOCK	TX	LBB	605,724	0.10	570,592,373	93.47	39,787	19,229,093
94	SAVANNAH	GA	SAV	599,210	0.10	571,191,583	93.57	19,713	19,248,806
95	HARRISBURG	PA	MDT	595,720	0.10	571,787,303	93.67	47,114	19,295,920
96	COLUMBIA	SC	CAE	568,892	0.09	572,356,195	93.76	44,106	19,340,026
97	PORTLAND	ME	PWM	564,580	0.09	572,920,775	93.85	48,255	19,388,281
98	ISLIP	NY	ISP	560,144	0.09	573,480,919	93.94	34,335	19,422,616
99	MADISON	WI	MSN	550,283	0.09	574,031,202	94.03	31,000	19,453,616
100	PALM SPRINGS	CA	PSP	549,218	0.09	574,580,420	94.12	39,572	19,493,188
101 thru 443				30,918,943	5.06	605,499,363	99.18	4,569,094	24,062,282

\*Enplanements include air carrier, air taxi, commuter and international.

\*\*Percent is of national total enplanements.

\*\*\*Operations include intinerant air carrier and air taxi only.

**Table S-5.  
Summary of Enplanements and  
Airport Operations at FAA Towers and Contract Towers**

**FAA Towers With Enplanements**

	Count	1996	2000	2010	Annual Compound Growth Rate	
					1996-2000	2000-2010
Large Hubs	29	412,643,635	490,177,630	684,317,700	4.40	3.39
Medium Hubs	42	135,722,492	163,663,972	237,883,660	4.79	3.81
Small Hubs	67	41,590,728	48,798,959	67,544,152	4.08	3.30
Non Hub Towers	273	15,534,413	17,604,157	22,273,378	3.18	2.38
<b>Total</b>	<b>411</b>	<b>605,491,268</b>	<b>720,244,718</b>	<b>1,012,018,890</b>	<b>4.43</b>	<b>3.46</b>

**Airport Operations**

	Count	1996	2000	2010	Annual Compound Growth Rate	
					1996-2000	2000-2010
Large Hubs	29	13,604,366	14,939,060	18,288,773	2.37	2.04
Medium Hubs	42	9,175,278	9,946,753	11,581,253	2.04	1.53
Small Hubs	67	8,187,997	8,602,042	9,264,291	1.24	0.74
Non Hub Towers	305	30,906,103	31,785,165	33,547,320	0.70	0.54
<b>Total</b>	<b>443</b>	<b>61,873,744</b>	<b>65,273,020</b>	<b>72,681,637</b>	<b>1.35</b>	<b>1.08</b>

**Table S-6.  
Commercial Airport Operations Summary by Region\***

<b>Fiscal Year</b>	<b>Alaska (AAL)</b>	<b>Central (ACE)</b>	<b>Eastern (AEA)</b>	<b>Great Lakes (AGL)</b>	<b>New England (ANE)</b>	<b>Northwest Mountain (ANM)</b>	<b>Southern (ASO)</b>	<b>Southwest (ASW)</b>	<b>Western Pacific (AWP)</b>	<b>National Total</b>
<b>Historical</b>										
1992	888,352	1,035,634	4,095,312	3,933,187	1,179,554	2,366,936	4,995,403	2,735,428	4,230,585	25,460,391
1993	708,845	1,062,176	4,139,787	4,059,080	1,200,800	2,467,833	5,140,940	2,824,122	4,217,917	25,821,500
1994	868,259	1,117,864	4,198,707	4,283,079	1,162,181	2,517,541	5,425,060	2,945,195	4,334,052	26,851,938
1995	890,080	1,191,422	4,171,987	4,347,731	1,153,395	2,525,123	5,435,124	3,057,441	4,589,090	27,361,393
1996	1,336,177	1,121,735	4,152,966	4,433,832	1,129,032	2,526,009	5,384,802	3,033,151	4,812,011	27,929,715
<b>Forecast</b>										
1997	1,367,252	1,159,406	4,266,350	4,514,372	1,162,262	2,608,018	5,570,303	3,122,898	4,993,476	28,764,337
1998	1,386,541	1,186,033	4,352,925	4,620,158	1,180,825	2,672,571	5,723,468	3,210,042	5,143,905	29,476,468
1999	1,403,186	1,212,048	4,435,242	4,716,229	1,199,360	2,735,121	5,872,395	3,296,621	5,289,666	30,159,868
2000	1,419,310	1,237,466	4,508,082	4,825,949	1,216,787	2,796,680	6,020,713	3,382,851	5,432,699	30,840,537
2001	1,435,110	1,262,345	4,580,408	4,920,173	1,233,226	2,857,301	6,164,824	3,468,760	5,573,133	31,495,280
2002	1,450,173	1,286,705	4,651,749	5,012,022	1,249,256	2,916,920	6,306,953	3,554,523	5,710,947	32,139,248
2003	1,464,681	1,310,553	4,722,329	5,102,672	1,264,902	2,977,336	6,446,347	3,640,048	5,846,392	32,775,260
2004	1,478,913	1,333,935	4,792,662	5,192,403	1,280,329	3,036,911	6,585,225	3,725,375	5,979,715	33,405,468
2005	1,492,878	1,356,877	4,862,674	5,280,925	1,295,238	3,095,701	6,721,038	3,810,549	6,111,033	34,026,913
2006	1,506,479	1,379,397	4,932,239	5,368,448	1,310,210	3,154,173	6,855,376	3,895,608	6,240,927	34,642,857
2007	1,519,838	1,401,539	5,001,464	5,454,971	1,324,433	3,211,888	6,988,013	3,980,586	6,368,992	35,251,724
2008	1,538,084	1,425,704	5,076,339	5,548,630	1,342,365	3,274,810	7,130,990	4,068,337	6,506,378	35,911,637
2009	1,556,118	1,449,530	5,151,269	5,641,781	1,360,063	3,337,317	7,273,194	4,156,124	6,642,586	36,567,982
2010	1,573,963	1,473,035	5,226,003	5,734,284	1,377,539	3,399,451	7,414,151	4,243,903	6,777,779	37,220,108

\*Includes air carrier and commuter/air taxi operations at all airports.

**Table S-7.  
Itinerant Airport Operations Summary by Region\***

<b>Fiscal Year</b>	<b>Alaska (AAL)</b>	<b>Central (ACE)</b>	<b>Eastern (AEA)</b>	<b>Great Lakes (AGL)</b>	<b>New England (ANE)</b>	<b>Northwest Mountain (ANM)</b>	<b>Southern (ASO)</b>	<b>Southwest (ASW)</b>	<b>Western Pacific (AWP)</b>	<b>National Total</b>
<b>Historical</b>										
1992	1,537,572	3,209,122	9,794,697	11,201,969	3,336,938	7,093,443	15,067,854	8,578,238	13,449,253	73,269,086
1993	1,160,281	3,162,037	9,849,196	11,213,585	3,353,260	7,073,340	15,029,190	8,597,986	13,128,879	72,567,754
1994	1,518,404	3,182,593	9,745,357	11,534,451	3,236,780	7,224,228	15,313,459	8,625,496	12,991,047	73,371,815
1995	1,549,638	3,255,709	9,598,157	11,517,449	3,377,998	7,126,391	15,184,989	8,669,386	12,987,275	73,266,992
1996	2,191,957	3,220,982	9,499,413	11,751,408	3,199,229	7,259,264	15,793,129	8,967,457	13,342,585	75,225,424
<b>Forecast</b>										
1997	2,222,485	3,258,442	9,622,403	11,852,498	3,232,275	7,352,480	16,009,099	9,040,834	13,576,710	76,167,226
1998	2,241,327	3,286,604	9,717,694	11,974,574	3,250,895	7,441,891	16,197,573	9,135,732	13,780,001	77,026,291
1999	2,257,434	3,312,407	9,806,845	12,132,331	3,269,254	7,518,498	16,370,724	9,229,751	13,973,039	77,870,283
2000	2,273,028	3,337,609	9,888,189	12,254,586	3,286,511	7,603,532	16,544,105	9,323,884	14,164,257	78,675,701
2001	2,288,302	3,362,276	9,966,989	12,362,221	3,302,780	7,682,577	16,712,268	9,416,891	14,351,622	79,445,926
2002	2,302,844	3,386,421	10,044,808	12,467,486	3,318,645	7,760,622	16,878,458	9,509,859	14,536,412	80,205,555
2003	2,316,836	3,410,054	10,121,874	12,571,198	3,334,128	7,839,466	17,041,936	9,602,697	14,718,887	80,957,076
2004	2,330,555	3,433,221	10,200,600	12,675,124	3,349,396	7,922,512	17,205,923	9,695,789	14,900,572	81,713,692
2005	2,343,994	3,455,520	10,276,685	12,776,126	3,364,089	7,999,297	17,364,531	9,788,335	15,077,759	82,446,336
2006	2,357,073	3,477,400	10,352,325	12,876,141	3,378,848	8,075,778	17,521,852	9,880,876	15,253,582	83,173,875
2007	2,369,917	3,498,903	10,429,544	12,976,296	3,392,860	8,156,538	17,678,557	9,973,801	15,428,921	83,905,337
2008	2,387,652	3,522,465	10,510,537	13,082,500	3,410,590	8,237,491	17,844,722	10,069,265	15,612,417	84,677,639
2009	2,405,204	3,546,142	10,592,043	13,188,819	3,428,151	8,318,478	18,011,573	10,165,030	15,796,118	85,451,558
2010	2,422,573	3,569,532	10,673,407	13,294,563	3,445,501	8,399,144	18,177,343	10,260,928	15,978,958	86,221,949

\*Includes itinerant air carrier, commuter/air taxi, general aviation and military operations at all airports.

**Table S-8.  
Total Airport Operations Summary by Region\***

<b>Fiscal Year</b>	<b>Alaska (AAL)</b>	<b>Central (ACE)</b>	<b>Eastern (AEA)</b>	<b>Great Lakes (AGL)</b>	<b>New England (ANE)</b>	<b>Northwest Mountain (ANM)</b>	<b>Southern (ASO)</b>	<b>Southwest (ASW)</b>	<b>Western Pacific (AWP)</b>	<b>National Total</b>
<b>Historical</b>										
1992	2,020,186	5,456,285	16,758,201	19,722,598	5,768,733	11,182,231	23,696,409	14,689,018	22,068,456	121,362,117
1993	1,501,459	5,315,049	16,768,518	19,712,523	5,682,119	10,997,512	23,414,237	14,820,262	21,410,028	119,621,707
1994	1,963,057	5,275,302	16,618,359	20,095,350	5,377,734	11,172,309	23,086,913	14,544,632	21,040,150	119,173,806
1995	2,003,864	5,305,694	16,175,032	19,976,660	5,539,244	10,966,034	22,813,415	14,806,891	20,542,954	118,129,788
1996	2,716,440	4,749,091	15,714,076	20,374,924	5,287,484	11,064,789	23,969,753	15,544,542	20,832,580	120,253,679
<b>Forecast</b>										
1997	2,746,158	4,788,082	15,854,668	20,479,009	5,320,035	11,171,602	24,215,595	15,651,680	21,144,923	121,371,752
1998	2,763,758	4,816,749	15,958,471	20,616,388	5,337,953	11,275,973	24,421,555	15,757,213	21,363,471	122,311,531
1999	2,778,838	4,843,573	16,055,294	20,790,060	5,355,715	11,366,753	24,612,634	15,862,299	21,573,325	123,238,491
2000	2,793,405	4,869,793	16,147,830	20,929,979	5,372,378	11,470,605	24,806,435	15,967,920	21,783,059	124,141,404
2001	2,807,544	4,895,223	16,235,631	21,053,676	5,387,995	11,565,378	24,992,925	16,070,717	21,986,883	124,995,972
2002	2,820,952	4,920,132	16,320,695	21,174,133	5,403,210	11,656,819	25,176,220	16,173,398	22,187,282	125,832,841
2003	2,833,811	4,944,529	16,408,530	21,292,626	5,418,046	11,753,713	25,359,299	16,276,377	22,387,074	126,674,005
2004	2,846,395	4,968,455	16,494,502	21,409,588	5,432,662	11,850,141	25,540,409	16,379,364	22,584,369	127,505,885
2005	2,858,590	4,991,261	16,579,162	21,523,775	5,446,651	11,941,871	25,716,540	16,481,814	22,776,844	128,316,508
2006	2,870,427	5,013,646	16,665,138	21,637,860	5,460,706	12,035,631	25,892,648	16,584,522	22,968,827	129,129,405
2007	2,882,028	5,035,654	16,749,177	21,750,344	5,474,015	12,129,011	26,065,688	16,687,381	23,158,625	129,931,923
2008	2,898,523	5,059,729	16,840,519	21,870,654	5,491,042	12,227,255	26,250,719	16,793,208	23,358,323	130,789,972
2009	2,914,837	5,083,924	16,930,629	21,990,233	5,507,902	12,323,219	26,435,240	16,899,273	23,557,419	131,642,676
2010	2,930,973	5,107,840	17,020,615	22,109,270	5,524,555	12,418,896	26,618,741	17,005,585	23,755,697	132,492,172

\*Includes all itinerant and local operations at all airports.

**Table S-9.  
Instrument Operations Summary by Region\***

<b>Fiscal Year</b>	<b>Alaska (AAL)</b>	<b>Central (ACE)</b>	<b>Eastern (AEA)</b>	<b>Great Lakes (AGL)</b>	<b>New England (ANE)</b>	<b>Northwest Mountain (ANM)</b>	<b>Southern (ASO)</b>	<b>Southwest (ASW)</b>	<b>Western Pacific (AWP)</b>	<b>National Total</b>
<b>Historical</b>										
1992	395,748	1,864,865	7,271,196	6,800,496	2,014,645	2,906,768	10,312,915	5,690,085	6,906,848	44,163,566
1993	389,343	1,843,429	7,313,863	6,829,828	1,981,444	2,953,816	10,454,594	5,731,696	6,712,382	44,210,395
1994	396,496	1,920,041	7,346,272	7,146,685	1,897,406	3,028,447	10,654,507	5,938,874	7,239,380	45,568,108
1995	391,244	2,056,524	7,504,943	7,326,546	1,938,112	3,057,875	10,700,188	6,137,893	7,241,804	46,355,129
1996	391,850	2,038,616	7,433,038	7,350,447	1,863,396	3,130,720	10,684,226	6,250,437	7,410,548	46,553,278
<b>Forecast</b>										
1997	409,378	2,075,694	7,558,618	7,505,982	1,908,143	3,208,113	10,894,995	6,350,019	7,552,441	47,463,383
1998	418,549	2,108,344	7,693,962	7,647,816	1,937,766	3,276,769	11,098,687	6,452,943	7,697,727	48,332,563
1999	425,213	2,133,893	7,809,978	7,776,587	1,965,939	3,339,758	11,284,033	6,545,573	7,819,674	49,100,648
2000	432,108	2,160,740	7,929,986	7,908,797	1,994,204	3,405,161	11,472,189	6,643,132	7,964,478	49,910,795
2001	438,950	2,185,224	8,039,371	8,029,634	2,019,562	3,467,783	11,643,926	6,731,881	8,090,200	50,646,531
2002	445,619	2,210,211	8,149,412	8,154,112	2,045,924	3,528,935	11,825,105	6,824,928	8,217,408	51,401,654
2003	452,203	2,235,578	8,266,582	8,279,974	2,072,988	3,591,525	12,009,862	6,921,000	8,353,486	52,183,198
2004	458,721	2,258,438	8,367,851	8,392,063	2,097,310	3,649,747	12,176,683	7,006,811	8,468,694	52,876,318
2005	465,554	2,283,048	8,476,391	8,510,299	2,122,850	3,708,545	12,351,867	7,098,429	8,593,443	53,610,426
2006	472,462	2,307,539	8,592,296	8,628,109	2,149,566	3,769,778	12,523,783	7,191,758	8,733,578	54,368,869
2007	479,489	2,332,610	8,706,264	8,744,813	2,174,993	3,829,835	12,696,905	7,284,182	8,864,771	55,113,862
2008	486,603	2,360,069	8,818,518	8,867,939	2,202,346	3,890,890	12,878,101	7,379,679	8,999,456	55,883,601
2009	493,790	2,387,822	8,935,282	8,991,532	2,229,705	3,953,376	13,059,925	7,475,076	9,134,060	56,660,568
2010	501,021	2,415,461	9,048,084	9,113,784	2,257,076	4,014,021	13,241,360	7,571,494	9,261,738	57,424,039

\*Includes only TRACON and radar tower facilities.



**Table S-10.  
Enplanements Summary by Region\***

<b>Fiscal Year</b>	<b>Alaska (AAL)</b>	<b>Central (ACE)</b>	<b>Eastern (AEA)</b>	<b>Great Lakes (AGL)</b>	<b>New England (ANE)</b>	<b>Northwest Mountain (ANM)</b>	<b>Southern (ASO)</b>	<b>Southwest (ASW)</b>	<b>Western Pacific (AWP)</b>	<b>National Total</b>
<b>Historical</b>										
1992	3,726,516	18,199,279	82,687,178	74,210,366	17,089,414	38,973,454	105,373,407	63,397,427	107,396,325	511,053,366
1993	3,524,248	17,226,313	82,385,789	76,209,090	17,642,269	42,020,428	108,714,396	64,296,680	108,249,978	520,269,191
1994	3,861,184	19,374,326	89,219,769	81,243,050	18,265,848	45,912,654	119,765,777	67,435,311	117,018,106	562,096,025
1995	4,013,426	21,687,354	89,375,255	84,453,789	18,017,349	47,746,048	122,172,792	70,690,268	123,588,927	581,745,208
1996	3,731,432	23,277,398	90,948,822	88,259,680	18,306,686	51,949,394	129,727,426	72,200,926	132,084,880	610,486,644
<b>Forecast</b>										
1997	3,883,224	24,414,200	94,613,923	91,263,679	19,294,869	54,336,461	135,928,775	75,776,321	138,538,327	638,049,779
1998	4,031,410	25,471,074	98,239,570	95,152,361	20,077,396	56,648,310	142,591,787	79,490,791	145,853,917	667,556,616
1999	4,148,606	26,513,445	101,786,697	99,011,241	20,814,851	58,940,449	149,239,636	83,201,117	153,106,543	696,762,585
2000	4,268,009	27,556,564	105,387,545	102,876,949	21,481,639	61,233,978	155,912,866	86,914,120	160,372,374	726,004,044
2001	4,392,108	28,601,704	109,004,888	106,749,726	22,060,754	63,530,318	162,602,455	90,629,958	167,657,577	755,229,488
2002	4,513,087	29,645,255	112,623,387	110,626,706	22,645,165	65,824,448	169,313,431	94,349,005	174,943,676	784,484,160
2003	4,634,018	30,688,526	116,248,034	114,508,233	23,233,576	68,188,964	176,036,561	98,070,578	182,238,022	813,846,512
2004	4,759,108	31,733,825	119,891,903	118,396,732	23,827,833	70,556,092	182,776,150	101,794,223	189,550,985	843,286,851
2005	4,888,664	32,781,153	123,554,511	122,292,844	24,427,920	72,926,007	189,534,095	105,520,667	196,883,648	872,809,509
2006	5,020,946	33,829,647	127,232,455	126,196,468	25,034,065	75,297,541	196,313,836	109,250,459	204,230,855	902,406,272
2007	5,157,942	34,880,441	130,930,043	130,107,752	25,644,079	77,671,778	203,114,100	112,983,071	211,580,008	932,069,214
2008	5,297,888	35,932,318	134,644,423	134,026,812	26,260,345	80,048,816	209,935,151	116,718,648	218,946,307	961,810,708
2009	5,440,975	36,985,300	138,379,994	137,956,511	26,885,652	82,427,831	216,788,248	120,458,652	224,242,893	989,566,056
2010	5,587,007	38,039,446	142,126,754	141,889,372	27,512,898	84,808,869	223,646,401	124,198,830	231,747,907	1,019,557,484

\*Includes both tower and non-tower airports.

## Appendix A

### Description of Activity Measures

#### Air Carrier Enplanements

These data summarize originating and connecting passengers of U.S. commercial air carriers submitted to Department of Transportation (DOT), Bureau of Transportation Statistics (BTS) on Form 41, T-100 reports. Estimates include both scheduled and unscheduled enplaned passengers. The TAF uses DOT Form T-100 data submitted by U.S. and foreign flag air carriers for international enplaned passengers.

#### Commuter Enplanements

These data include enplanements on scheduled commuter or regional carriers. These operators report enplanements on DOT Form 298-C. Carriers reporting on Form 298-C operate at least at least five scheduled round trips per week and its entire fleet consists of aircraft of 60 or fewer seats.

FAA adjusts the TAF database to account for carriers which report on Form 41 as an air carrier but fly primarily commuter aircraft. The adjustment removes these enplanements from the air carrier category and places them into the commuter category because these operators act as regional carriers although they own a small number of air carrier aircraft.

#### Aircraft Operations

FAA air traffic controllers count landings and takeoffs at FAA towered air-

ports. Controllers employed by an FAA contractor count operations at FAA contract towers. At non-FAA facilities, operations counts represent an estimate.

One air carrier operation represents either a takeoff or a landing of a commercial aircraft with seating capacity of more than 60 seats.

Air taxi or commuter operations include takeoffs and landings by aircraft with 60 or fewer seats conducting commercial flights.

General aviation operations represent all civil aviation aircraft takeoffs and landings not classified as commercial or military. Military operations represent takeoffs and landings by military aircraft. GA and military operations are either Itinerant or local.

#### Local Operations

FAA data classifies as local the following operations:

- Aircraft operations that operate in a local traffic pattern or within sight of the airport, and
- Aircraft known to fly within a 25-mile radius of the airport.

### *Itinerant Operations*

FAA reports all aircraft operations other than local operations as itinerant. Essentially, these data represent takeoffs and landings of aircraft going from one airport to another.

### **Instrument Operations**

These data include arrivals, departures, and overflights conducted by an FAA approach control facility for aircraft with an Instrument Flight Rule flight plan or special Visual Flight Rule procedures. They also contain operations where a terminal control facility provides IFR aircraft separation. The FAA classifies these operations into three types as listed below.

### *Primary Instrument Operations*

These data consist of aircraft arrivals and departures at a primary airport, normally the airport with the approach control facility.

### *Secondary Instrument Operations*

These data show arrivals and departures at secondary airports.

### *Overflights*

These data include operations of aircraft in transit through the approach control facility airspace.

## Table B-1.

### List of Large Hub Towers

Location Identifyer	Region	Airport Name	City, State
ATL	ASO	THE WILLIAM B HARTSFIELD ATLANTA INTL	ATLANTA, GA
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	BOSTON, MA
BWI	AEA	BALTIMORE-WASHINGTON INTL	BALTIMORE, MD
CLT	ASO	CHARLOTTE/DOUGLAS INTL	CHARLOTTE, NC
CVG	ASO	CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL	COVINGTON/CINCINNATI, OH, KY
DCA	AEA	WASHINGTON NATIONAL	WASHINGTON, DC
DEN	ANM	DENVER INTL	DENVER, CO
DFW	ASW	DALLAS/FORT WORTH INTERNATIONAL	DALLAS-FORT WORTH, TX
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	DETROIT, MI
EWK	AEA	NEWARK INTL	NEWARK, NJ
HNL	AWP	HONOLULU INTL	HONOLULU, HI
IAH	ASW	HOUSTON INTERCONTINENTAL	HOUSTON, TX
JFK	AEA	JOHN F KENNEDY INTL	NEW YORK, NY
LAS	AWP	MC CARRAN INTL	LAS VEGAS, NV
LAX	AWP	LOS ANGELES INTL	LOS ANGELES, CA
LGA	AEA	LA GUARDIA	NEW YORK, NY
MCO	ASO	ORLANDO INTL	ORLANDO, FL
MIA	ASO	MIAMI INTL	MIAMI, FL
MSP	AGL	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN/	MINNEAPOLIS, MN
ORD	AGL	CHICAGO O'HARE INTL	CHICAGO, IL
PHL	AEA	PHILADELPHIA INTL	PHILADELPHIA, PA
PHX	AWP	PHOENIX SKY HARBOR INTL	PHOENIX, AZ
PIT	AEA	PITTSBURGH INTERNATIONAL	PITTSBURGH, PA
SAN	AWP	SAN DIEGO INTL-LINDBERGH FLD	SAN DIEGO, CA
SEA	ANM	SEATTLE-TACOMA INTL	SEATTLE, WA
SFO	AWP	SAN FRANCISCO INTL	SAN FRANCISCO, CA
SLC	ANM	SALT LAKE CITY INTL	SALT LAKE CITY, UT
STL	ACE	LAMBERT-ST LOUIS INTL	ST LOUIS, MO
TPA	ASO	TAMPA INTL	TAMPA, FL

Listed 29 Airports.

**Table B-2.****List of Medium Hub Towers**

<b>Location Identifier</b>	<b>Region</b>	<b>Airport Name</b>	<b>City, State</b>
ABQ	ASW	ALBUQUERQUE INTL SUNPORT	ALBUQUERQUE, NM
ANC	AAL	ANCHORAGE INTL	ANCHORAGE, AK
AUS	ASW	ROBERT MUELLER MUNI	AUSTIN, TX
BDL	ANE	BRADLEY INTL	WINDSOR LOCKS, CT
BNA	ASO	NASHVILLE INTERNATIONAL	NASHVILLE, TN
BUF	AEA	GREATER BUFFALO INTL	BUFFALO, NY
BUR	AWP	BURBANK-GLENDALE-PASADENA	BURBANK, CA
CLE	AGL	CLEVELAND-HOPKINS INTL	CLEVELAND, OH
CMH	AGL	PORT COLUMBUS INTL	COLUMBUS, OH
COS	ANM	CITY OF COLORADO SPRINGS MUNI	COLORADO SPRINGS, CO
DAL	ASW	DALLAS LOVE FIELD	DALLAS, TX
ELP	ASW	EL PASO INTL	EL PASO, TX
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	FORT LAUDERDALE, FL
GEG	ANM	SPOKANE INTL	SPOKANE, WA
HOU	ASW	WILLIAM P HOBBY	HOUSTON, TX
IAD	AEA	WASHINGTON DULLES INTERNATIONAL	WASHINGTON, DC
IND	AGL	INDIANAPOLIS INTL	INDIANAPOLIS, IN
JAX	ASO	JACKSONVILLE INTL	JACKSONVILLE, FL
MCI	ACE	KANSAS CITY INTL	KANSAS CITY, MO
MDW	AGL	CHICAGO MIDWAY	CHICAGO, IL
MEM	ASO	MEMPHIS INTL	MEMPHIS, TN
MKE	AGL	GENERAL MITCHELL INTERNATIONAL	MILWAUKEE, WI
MSY	ASW	NEW ORLEANS INTL/MOISANT FLD/	NEW ORLEANS, LA
OAK	AWP	METROPOLITAN OAKLAND INTL	OAKLAND, CA
OGG	AWP	KAHULUI	KAHULUI, HI
OKC	ASW	WILL ROGERS WORLD	OKLAHOMA CITY, OK
OMA	ACE	EPPLEY AIRFIELD	OMAHA, NE
ONT	AWP	ONTARIO INTL	ONTARIO, CA
PBI	ASO	PALM BEACH INTL	WEST PALM BEACH, FL
PDX	ANM	PORTLAND INTL	PORTLAND, OR
RDU	ASO	RALEIGH-DURHAM INTERNATIONAL	RALEIGH/DURHAM, NC
RNO	AWP	RENO/TAHOE INTERNATIONAL	RENO, NV
RSW	ASO	SOUTHWEST FLORIDA INTL	FORT MYERS, FL
SAT	ASW	SAN ANTONIO INTL	SAN ANTONIO, TX
SDF	ASO	LOUISVILLE INTL-STANDIFORD FIELD	LOUISVILLE, KY
SJC	AWP	SAN JOSE INTERNATIONAL	SAN JOSE, CA
SJU	ASO	LUIS MUNOZ MARIN INTL	SAN JUAN, PR
SMF	AWP	SACRAMENTO INTERNATIONAL	SACRAMENTO, CA
SNA	AWP	JOHN WAYNE AIRPORT-ORANGE COUNTY	SANTA ANA, CA
TUL	ASW	TULSA INTL	TULSA, OK
TUS	AWP	TUCSON INTL	TUCSON, AZ
GUM	AWP	GUAM INTERNATIONAL	AGANA, GU

Listed 42 Airports.

**Table B-3.****List of Small Hub Towers**

<b>Location Identifier</b>	<b>Region</b>	<b>Airport Name</b>	<b>City, State</b>
ABE	AEA	LEHIGH VALLEY INTERNATIONAL	ALLENTOWN, PA
ALB	AEA	ALBANY COUNTY	ALBANY, NY
AMA	ASW	AMARILLO INTL	AMARILLO, TX
BHM	ASO	BIRMINGHAM INTL	BIRMINGHAM, AL
BIL	ANM	BILLINGS LOGAN INTL	BILLINGS, MT
BOI	ANM	BOISE AIR TERMINAL/GOWEN FLD	BOISE, ID
BTR	ASW	BATON ROUGE METROPOLITAN, RYAN FIELD	BATON ROUGE, LA
BTV	ANE	BURLINGTON INTL	BURLINGTON, VT
CAE	ASO	COLUMBIA METROPOLITAN	COLUMBIA, SC
CHS	ASO	CHARLESTON AFB/INTL	CHARLESTON, SC
CID	ACE	CEDAR RAPIDS MUNI	CEDAR RAPIDS, IA
CRP	ASW	CORPUS CHRISTI INTL	CORPUS CHRISTI, TX
DAB	ASO	DAYTONA BEACH INTL	DAYTONA BEACH, FL
DAY	AGL	JAMES M COX DAYTON INTL	DAYTON, OH
DSM	ACE	DES MOINES INTL	DES MOINES, IA
EUG	ANM	MAHLON SWEET FIELD	EUGENE, OR
FAI	AAL	FAIRBANKS INTL	FAIRBANKS, AK
FAT	AWP	FRESNO YOSEMITE INTERNATIONAL	FRESNO, CA
FSD	AGL	JOE FOSS FIELD	SIOUX FALLS, SD
FWA	AGL	FORT WAYNE INTERNATIONAL	FORT WAYNE, IN
GCN	AWP	GRAND CANYON NATIONAL PARK	GRAND CANYON, AZ
GRB	AGL	AUSTIN STRAUBEL INTERNATIONAL	GREEN BAY, WI
GRR	AGL	KENT COUNTY INTL	GRAND RAPIDS, MI
GSO	ASO	PIEDMONT TRIAD INTERNATIONAL	GREENSBORO, NC
GSP	ASO	GREENVILLE-SPARTANBURG	GREER, SC
HPN	AEA	WESTCHESTER COUNTY	WHITE PLAINS, NY
HRL	ASW	RIO GRANDE VALLEY INTL	HARLINGEN, TX
HSV	ASO	HUNTSVILLE INTL-CARL T JONES FIELD	HUNTSVILLE, AL
ICT	ACE	WICHITA MID-CONTINENT	WICHITA, KS
ISP	AEA	LONG ISLAND MAC ARTHUR	ISLIP, NY
ITO	AWP	HILO INTERNATIONAL	HILO, HI
JAN	ASO	JACKSON INTERNATIONAL	JACKSON, MS
JNU	AAL	JUNEAU INTL	JUNEAU, AK
KOA	AWP	KEAHOLE-KONA INTERNATIONAL	KAILUA/KONA, HI
LAN	AGL	CAPITAL CITY	LANSING, MI
LBB	ASW	LUBBOCK INTL	LUBBOCK, TX
LEX	ASO	BLUE GRASS	LEXINGTON, KY
LIH	AWP	LIHUE	LIHUE, HI
LIT	ASW	ADAMS FIELD	LITTLE ROCK, AR
MAF	ASW	MIDLAND INTERNATIONAL	MIDLAND, TX
MDT	AEA	HARRISBURG INTERNATIONAL	HARRISBURG, PA
MFE	ASW	MC ALLEN MILLER INTL	MC ALLEN, TX
MHT	ANE	MANCHESTER	MANCHESTER, NH
MLB	ASO	MELBOURNE INTERNATIONAL	MELBOURNE, FL
MOB	ASO	MOBILE REGIONAL	MOBILE, AL
MSN	AGL	DANE COUNTY REGIONAL-TRUAX FIELD	MADISON, WI
MYR	ASO	MYRTLE BEACH INTL	MYRTLE BEACH, SC
ORF	AEA	NORFOLK INTL	NORFOLK, VA
PIE	ASO	ST PETERSBURG/CLEARWATER INTL	ST PETERSBURG/CLEARWATER, FL
PNS	ASO	PENSACOLA REGIONAL	PENSACOLA, FL
PSP	AWP	PALM SPRINGS REGIONAL	PALM SPRINGS, CA
PVD	ANE	THEODORE FRANCIS GREEN STATE	PROVIDENCE, RI

## Table B-3.

### List of Small Hub Towers

Location Identifier	Region	Airport Name	City, State
PWM	ANE	PORTLAND INTL JETPORT	PORTLAND, ME
RIC	AEA	RICHMOND INTERNATIONAL	RICHMOND, VA
ROA	AEA	ROANOKE REGIONAL/WOODRUM FIELD	ROANOKE, VA
ROC	AEA	GREATER ROCHESTER INTERNATIONAL	ROCHESTER, NY
SAV	ASO	SAVANNAH INTERNATIONAL	SAVANNAH, GA
SBA	AWP	SANTA BARBARA MUNI	SANTA BARBARA, CA
SBN	AGL	MICHINA REGIONAL TRANSPORTATION CENTER	SOUTH BEND, IN
SGF	ACE	SPRINGFIELD-BRANSON REGIONAL	SPRINGFIELD, MO
SHV	ASW	SHREVEPORT REGIONAL	SHREVEPORT, LA
SRQ	ASO	SARASOTA/BRADENTON INTL	SARASOTA/BRADENTON/, FL
STT	ASO	CYRIL E KING	CHARLOTTE AMALIE, VI
SWF	AEA	STEWART INT'L	NEWBURGH, NY
SYR	AEA	SYRACUSE HANCOCK INTL	SYRACUSE, NY
TLH	ASO	TALLAHASSEE REGIONAL	TALLAHASSEE, FL
TYS	ASO	MC GHEE TYSON	KNOXVILLE, TN

Listed 67 Airports.

**Table B-4.**  
**List of Non-Hub Towers**

<b>Location Identifier</b>	<b>Region</b>	<b>Airport Name</b>	<b>City, State</b>
ABI	ASW	ABILENE REGIONAL	ABILENE, TX
ABY	ASO	SOUTHWEST GEORGIA REGIONAL	ALBANY, GA
ACK	ANE	NANTUCKET MEMORIAL	NANTUCKET, MA
ACT	ASW	WACO REGIONAL	WACO, TX
ACY	AEA	ATLANTIC CITY INTERNATIONAL	ATLANTIC CITY, NJ
ADM	ASW	ARDMORE MUNI	ARDMORE, OK
ADQ	AAL	KODIAK	KODIAK, AK
ADS	ASW	ADDISON	DALLAS, TX
AFW	ASW	FORT WORTH ALLIANCE	FORT WORTH, TX
AGC	AEA	ALLEGHENY COUNTY	PITTSBURGH, PA
AGS	ASO	BUSH FIELD	AUGUSTA, GA
AHN	ASO	ATHENS/BEN EPPS	ATHENS, GA
AKN	AAL	KING SALMON	KING SALMON, AK
ALN	AGL	ST LOUIS REGIONAL	ALTON/ST LOUIS, IL
ALO	ACE	WATERLOO MUNI	WATERLOO, IA
ALW	ANM	WALLA WALLA REGIONAL	WALLA WALLA, WA
APA	ANM	CENTENNIAL	DENVER, CO
APC	AWP	NAPA COUNTY	NAPA, CA
APF	ASO	NAPLES MUNI	NAPLES, FL
ARA	ASW	ACADIANA REGIONAL	NEW IBERIA, LA
ARB	AGL	ANN ARBOR MUNI	ANN ARBOR, MI
ARR	AGL	AURORA MUNI	CHICAGO/AURORA, IL
ASE	ANM	ASPEN-PITKIN CO/SARDY FIELD	ASPEN, CO
ASH	ANE	BOIRE FIELD	NASHUA, NH
ATW	AGL	OUTAGAMIE COUNTY	APPLETON, WI
AVL	ASO	ASHEVILLE REGIONAL	ASHEVILLE, NC
AVP	AEA	WILKES-BARRE/SCRANTON INTL	WILKES-BARRE/SCRANTON, PA
AZO	AGL	KALAMAZOO/BATTLE CREEK INTERNATIONAL	KALAMAZOO, MI
BAF	ANE	BARNES MUNI	WESTFIELD, MA
BDR	ANE	IGOR I SIKORSKY MEMORIAL	BRIDGEPORT, CT
BED	ANE	LAURENCE G HANSCOM FLD	BEDFORD, MA
BET	AAL	BETHEL	BETHEL, AK
BFI	ANM	BOEING FIELD/KING COUNTY INTL	SEATTLE, WA
BFL	AWP	MEADOWS FIELD	BAKERSFIELD, CA
BFM	ASO	MOBILE DOWNTOWN	MOBILE, AL
BGM	AEA	BINGHAMTON REGIONAL/EDWIN A LINK FIELD	BINGHAMTON, NY
BGR	ANE	BANGOR INTL	BANGOR, ME
BIS	AGL	BISMARCK MUNI	BISMARCK, ND
BJC	ANM	JEFFCO	DENVER, CO
BKL	AGL	BURKE LAKEFRONT	CLEVELAND, OH
BLI	ANM	BELLINGHAM INTL	BELLINGHAM, WA
BMI	AGL	CENTRAL ILLINOIS REGIONAL AIRPORT	BLOOMINGTON/NORMAL, IL
BPT	ASW	JEFFERSON COUNTY	BEAUMONT/PORT ARTHUR, TX
BRO	ASW	BROWNSVILLE/SOUTH PADRE ISLAND INT'L	BROWNSVILLE, TX
BTL	AGL	W K KELLOGG	BATTLE CREEK, MI
BVY	ANE	BEVERLY MUNI	BEVERLY, MA
CAK	AGL	AKRON-CANTON REGIONAL	AKRON, OH
CCR	AWP	BUCHANAN FIELD	CONCORD, CA
CDW	AEA	ESSEX COUNTY	CALDWELL, NJ
CGF	AGL	CUYAHOGA COUNTY	CLEVELAND, OH
CHA	ASO	LOVELL FIELD	CHATTANOOGA, TN
CHD	AWP	CHANDLER MUNI	CHANDLER, AZ



**Table B-4.**  
**List of Non-Hub Towers**

Location Identifier	Region	Airport Name	City, State
CHO	AEA	CHARLOTTESVILLE-ALBEMARLE	CHARLOTTESVILLE, VA
CIC	AWP	CHICO MUNI	CHICO, CA
CKB	AEA	BENEDUM	CLARKSBURG, WV
CLL	ASW	EASTERWOOD FIELD	COLLEGE STATION, TX
CMA	AWP	CAMARILLO	CAMARILLO, CA
CMI	AGL	UNIVERSITY OF ILLINOIS-WILLARD	CHAMPAIGN/URBANA/, IL
CNO	AWP	CHINO	CHINO, CA
COU	ACE	COLUMBIA REGIONAL	COLUMBIA, MO
CPR	ANM	NATRONA COUNTY INTL	CASPER, WY
CPS	AGL	ST LOUIS DOWNTOWN - PARKS	CAHOKIA/ST LOUIS, IL
CRE	ASO	GRAND STRAND	NORTH MYRTLE BEACH, SC
CRG	ASO	CRAIG MUNI	JACKSONVILLE, FL
CRQ	AWP	MC CLELLAN-PALOMAR	CARLSBAD, CA
CRW	AEA	YEAGER	CHARLESTON, WV
CSG	ASO	COLUMBUS METROPOLITAN	COLUMBUS, GA
CSM	ASW	CLINTON-SHERMAN	CLINTON, OK
CWA	AGL	CENTRAL WISCONSIN	MOSINEE, WI
CXY	AEA	CAPITAL CITY	HARRISBURG, PA
CYS	ANM	CHEYENNE	CHEYENNE, WY
DBQ	ACE	DUBUQUE REGIONAL	DUBUQUE, IA
DEC	AGL	DECATUR	DECATUR, IL
DET	AGL	DETROIT CITY	DETROIT, MI
DHN	ASO	DOTHAN	DOTHAN, AL
DLH	AGL	DULUTH INTL	DULUTH, MN
DPA	AGL	DUPAGE	CHICAGO/WEST CHICAGO/, IL
DVT	AWP	PHOENIX-DEER VALLEY MUNI	PHOENIX, AZ
DWH	ASW	DAVID WAYNE HOOKS MEMORIAL	HOUSTON, TX
DXR	ANE	DANBURY MUNI	DANBURY, CT
EGE	ANM	EAGLE COUNTY REGIONAL	EAGLE, CO
ELM	AEA	ELMIRA/CORNING REGIONAL	ELMIRA, NY
EMT	AWP	EL MONTE	EL MONTE, CA
ENA	AAL	KENAI MUNI	KENAI, AK
ENW	AGL	KENOSHA REGIONAL	KENOSHA, WI
ERI	AEA	ERIE INTL	ERIE, PA
ESF	ASW	ALEXANDRIA ESLER REGIONAL	ALEXANDRIA, LA
EVV	AGL	EVANSVILLE REGIONAL	EVANSVILLE, IN
EWB	ANE	NEW BEDFORD REGIONAL	NEW BEDFORD, MA
EYW	ASO	KEY WEST INTL	KEY WEST, FL
FAR	AGL	HECTOR INTERNATIONAL	FARGO, ND
FAY	ASO	FAYETTEVILLE REGIONAL/GRANNIS FIELD	FAYETTEVILLE, NC
FCM	AGL	FLYING CLOUD	MINNEAPOLIS, MN
FFZ	AWP	FALCON FLD	MESA, AZ
FLG	AWP	FLAGSTAFF PULLIAM	FLAGSTAFF, AZ
FLO	ASO	FLORENCE REGIONAL	FLORENCE, SC
FMN	ASW	FOUR CORNERS REGIONAL	FARMINGTON, NM
FMY	ASO	PAGE FIELD	FORT MYERS, FL
FNT	AGL	BISHOP INTERNATIONAL	FLINT, MI
FOE	ACE	FORBES FIELD	TOPEKA, KS
FPR	ASO	ST LUCIE COUNTY INTL	FORT PIERCE, FL
FRG	AEA	REPUBLIC	FARMINGDALE, NY
FSM	ASW	FORT SMITH REGIONAL	FORT SMITH, AR
FTW	ASW	FORT WORTH MEACHAM INTL	FORT WORTH, TX

## Table B-4.

### List of Non-Hub Towers

Location Identifier	Region	Airport Name	City, State
FTY	ASO	FULTON COUNTY AIRPORT-BROWN FIELD	ATLANTA, GA
FUL	AWP	FULLERTON MUNI	FULLERTON, CA
FXE	ASO	FORT LAUDERDALE EXECUTIVE	FORT LAUDERDALE, FL
FYV	ASW	DRAKE FIELD	FAYETTEVILLE, AR
GEU	AWP	GLENDALE MUNICIPAL	GLENDALE, AZ
GFK	AGL	GRAND FORKS INTL	GRAND FORKS, ND
GGG	ASW	GREGG COUNTY	LONGVIEW, TX
GJT	ANM	WALKER FIELD	GRAND JUNCTION, CO
GLH	ASO	MID DELTA REGL	GREENVILLE, MS
GMU	ASO	GREENVILLE DOWNTOWN	GREENVILLE, SC
GNV	ASO	GAINESVILLE REGIONAL	GAINESVILLE, FL
GON	ANE	GROTON-NEW LONDON	GROTON/NEW LONDON, CT
GPT	ASO	GULFPORT-BILOXI RGNL	GULFPORT, MS
GRI	ACE	CENTRAL NEBRASKA REGIONAL	GRAND ISLAND, NE
GTF	ANM	GREAT FALLS INTL	GREAT FALLS, MT
GYR	AWP	PHOENIX-GOODYEAR MUNICIPAL	GOODYEAR, AZ
GYG	AGL	GARY REGIONAL	GARY, IN
HEF	AEA	MANASSAS REGIONAL/HARRY P DAVIS FIELD	MANASSAS, VA
HFD	ANE	HARTFORD-BRAINARD	HARTFORD, CT
HGR	AEA	WASHINGTON COUNTY REGIONAL	HAGERSTOWN, MD
HHR	AWP	JACK NORTHROP FIELD/HAWTHORNE MUNICIPAL	HAWTHORNE, CA
HIO	ANM	PORTLAND-HILLSBORO	PORTLAND, OR
HKS	ASO	HAWKINS FIELD	JACKSON, MS
HLG	AEA	WHEELING OHIO CO	WHEELING, WV
HLN	ANM	HELENA REGIONAL	HELENA, MT
HOB	ASW	LEA COUNTY/HOBBS/	HOBBS, NM
HTS	AEA	TRI-STATE/MILTON J.FERGUSON FIELD	HUNTINGTON, WV
HUF	AGL	HULMAN REGIONAL	TERRE HAUTE, IN
HUM	ASW	HOUMA-TERREBONNE	HOUMA, LA
HUT	ACE	HUTCHINSON MUNI	HUTCHINSON, KS
HVN	ANE	TWEED-NEW HAVEN	NEW HAVEN, CT
HWD	AWP	HAYWARD AIR TERMINAL	HAYWARD, CA
HWO	ASO	NORTH PERRY	HOLLYWOOD, FL
HYA	ANE	BARNSTABLE MUNI-BOARDMAN/POLANDO FIELD	HYANNIS, MA
IAG	AEA	NIAGARA FALLS INTL	NIAGARA FALLS, NY
IDA	ANM	FANNING FIELD	IDAHO FALLS, ID
ILG	AEA	NEW CASTLE COUNTY	WILMINGTON, DE
ILM	ASO	NEW HANOVER INTERNATIONAL	WILMINGTON, NC
INT	ASO	SMITH REYNOLDS	WINSTON SALEM, NC
IPT	AEA	WILLIAMSPORT-LYCOMING COUNTY	WILLIAMSPORT, PA
ISO	ASO	KINSTON REGIONAL JETPORT AT STALLINGS FLD	KINSTON, NC
ITH	AEA	TOMPKINS COUNTY	ITHACA, NY
JLN	ACE	JOPLIN REGIONAL	JOPLIN, MO
JVL	AGL	ROCK COUNTY	JANESVILLE, WI
JXN	AGL	JACKSON COUNTY-REYNOLDS FIELD	JACKSON, MI
LAF	AGL	PURDUE UNIVERSITY	LAFAYETTE, IN
LAL	ASO	LAKELAND LINDER REGIONAL	LAKELAND, FL
LAW	ASW	LAWTON MUNI	LAWTON, OK
LCH	ASW	LAKE CHARLES REGIONAL	LAKE CHARLES, LA
LEB	ANE	LEBANON MUNI	LEBANON, NH
LFT	ASW	LAFAYETTE REGIONAL	LAFAYETTE, LA
LGB	AWP	LONG BEACH /DAUGHERTY FIELD/	LONG BEACH, CA

**Table B-4.**  
**List of Non-Hub Towers**

Location Identifier	Region	Airport Name	City, State
LHD	AAL	LAKE HOOD	ANCHORAGE, AK
LMT	ANM	KLAMATH FALLS INTERNATIONAL	KLAMATH FALLS, OR
LNK	ACE	LINCOLN MUNI	LINCOLN, NE
LNS	AEA	LANCASTER	LANCASTER, PA
LOU	ASO	BOWMAN FIELD	LOUISVILLE, KY
LRD	ASW	LAREDO INTL	LAREDO, TX
LSE	AGL	LA CROSSE MUNI	LA CROSSE, WI
LUK	AGL	CINCINNATI MUNI AIRPORT LUNKEN FIELD	CINCINNATI, OH
LVK	AWP	LIVERMORE MUNI	LIVERMORE, CA
LWB	AEA	GREENBRIER VALLEY	LEWISBURG, WV
LWM	ANE	LAWRENCE MUNI	LAWRENCE, MA
LWS	ANM	LEWISTON-NEZ PERCE COUNTY	LEWISTON, ID
LYH	AEA	LYNCHBURG REGIONAL/PRESTON GLENN FIELD	LYNCHBURG, VA
MBS	AGL	MBS INTERNATIONAL	SAGINAW, MI
MCN	ASO	MIDDLE GEORGIA REGIONAL	MACON, GA
MDH	AGL	SOUTHERN ILLINOIS	CARBONDALE/MURPHYSBORO, IL
MEI	ASO	KEY FIELD	MERIDIAN, MS
MFD	AGL	MANSFIELD LAHM MUNI	MANSFIELD, OH
MFR	ANM	ROGUE VALLEY INTERNATIONAL - MEDFORD	MEDFORD, OR
MGM	ASO	DANNELLY FIELD	MONTGOMERY, AL
MGW	AEA	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MORGANTOWN, WV
MIC	AGL	CRYSTAL	MINNEAPOLIS, MN
MIE	AGL	DELAWARE COUNTY-JOHNSON FIELD	MUNCIE, IN
MKC	ACE	KANSAS CITY DOWNTOWN	KANSAS CITY, MO
MKG	AGL	MUSKEGON COUNTY	MUSKEGON, MI
MKK	AWP	MOLOKAI	KAUNAKAKAI, HI
MKL	ASO	MC KELLAR-SIPES REGIONAL	JACKSON, TN
MLI	AGL	QUAD-CITY	MOLINE, IL
MLU	ASW	MONROE REGIONAL	MONROE, LA
MMU	AEA	MORRISTOWN MUNI	MORRISTOWN, NJ
MOD	AWP	MODESTO CITY-COUNTY--HARRY SHAM FIELD	MODESTO, CA
MOT	AGL	MINOT INTL	MINOT, ND
MQY	ASO	SMYRNA	SMYRNA, TN
MRI	AAL	MERRILL FIELD	ANCHORAGE, AK
MRY	AWP	MONTEREY PENINSULA	MONTEREY, CA
MSO	ANM	MISSOULA INTERNATIONAL	MISSOULA, MT
MTN	AEA	MARTIN STATE	BALTIMORE, MD
MVY	ANE	MARTHAS VINEYARD	VINEYARD HAVEN, MA
MWA	AGL	WILLIAMSON COUNTY REGIONAL	MARION, IL
MWC	AGL	LAWRENCE J TIMMERMAN	MILWAUKEE, WI
MWH	ANM	GRANT COUNTY	MOSES LAKE, WA
MYF	AWP	MONTGOMERY FIELD	SAN DIEGO, CA
NEW	ASW	LAKEFRONT	NEW ORLEANS, LA
OGD	ANM	OGDEN-HINCKLEY	OGDEN, UT
OJC	ACE	JOHNSON COUNTY EXECUTIVE	OLATHE, KS
OLM	ANM	OLYMPIA	OLYMPIA, WA
OPF	ASO	OPA LOCKA	MIAMI, FL
ORH	ANE	WORCESTER MUNI	WORCESTER, MA
ORL	ASO	EXECUTIVE	ORLANDO, FL
OSH	AGL	WITTMAN REGIONAL	OSHKOSH, WI
OSU	AGL	OHIO STATE UNIVERSITY	COLUMBUS, OH
OUN	ASW	UNIVERSITY OF OKLAHOMA WESTHEIMER	NORMAN, OK

**Table B-4.**  
**List of Non-Hub Towers**

Location Identifier	Region	Airport Name	City, State
OWB	ASO	OWENSBORO-DAVIESS COUNTY	OWENSBORO, KY
OWD	ANE	NORWOOD MEMORIAL	NORWOOD, MA
OXR	AWP	OXNARD	OXNARD, CA
PAE	ANM	SNOHOMISH COUNTY (PAINE FLD)	EVERETT, WA
PAH	ASO	BARKLEY REGIONAL	PADUCAH, KY
PAO	AWP	PALO ALTO ARPT OF SANTA CLARA CO	PALO ALTO, CA
PDK	ASO	DEKALB-PEACHTREE	ATLANTA, GA
PDT	ANM	EASTERN OREGON REGIONAL AT PENDLETON	PENDLETON, OR
PFN	ASO	PANAMA CITY-BAY CO INTL	PANAMA CITY, FL
PHF	AEA	NEWPORT NEWS/WILLIAMSBURG INTERNATIONAL	NEWPORT NEWS, VA
PIA	AGL	GREATER PEORIA REGIONAL	PEORIA, IL
PIH	ANM	POCATELLO REGIONAL	POCATELLO, ID
PKB	AEA	WOOD COUNTY AIRPORT GILL ROBB WILSON FLD	PARKERSBURG, WV
PMD	AWP	PALMDALE PRODN FLT/TEST INSTLN AF PLANT 42	PALMDALE, CA
PMP	ASO	POMPANO BEACH AIRPARK	POMPANO BEACH, FL
PNE	AEA	NORTHEAST PHILADELPHIA	PHILADELPHIA, PA
POC	AWP	BRACKETT FIELD	LA VERNE, CA
POU	AEA	DUTCHESS COUNTY	POUGHKEEPSIE, NY
PRC	AWP	ERNEST A. LOVE FIELD	PRESCOTT, AZ
PSC	ANM	TRI-CITIES	PASCO, WA
PTK	AGL	OAKLAND COUNTY INTERNATIONAL	PONTIAC, MI
PUB	ANM	PUEBLO MEMORIAL	PUEBLO, CO
PWA	ASW	WILEY POST	OKLAHOMA CITY, OK
PWK	AGL	PALWAUKEE MUNI	CHICAGO/PROSPECT HGTS/WHEE, IL
RAL	AWP	RIVERSIDE MUNI	RIVERSIDE, CA
RAP	AGL	RAPID CITY REGIONAL	RAPID CITY, SD
RBD	ASW	REDBIRD	DALLAS, TX
RDD	AWP	REDDING MUNI	REDDING, CA
RDG	AEA	READING REGIONAL/CARL A SPAATZ FIELD	READING, PA
RFD	AGL	GREATER ROCKFORD	ROCKFORD, IL
RHV	AWP	REID-HILLVIEW OF SANTA CLARA COUNTY	SAN JOSE, CA
RNT	ANM	RENTON MUNI	RENTON, WA
ROW	ASW	ROSWELL INDUSTRIAL AIR CENTER	ROSWELL, NM
RST	AGL	ROCHESTER INTERNATIONAL	ROCHESTER, MN
RVS	ASW	RICHARD LLOYD JONES JR	TULSA, OK
RYY	ASO	COBB COUNTY-MC COLLUM FIELD	MARIETTA, GA
SAC	AWP	SACRAMENTO EXECUTIVE	SACRAMENTO, CA
SAF	ASW	SANTA FE MUNI	SANTA FE, NM
SBP	AWP	SAN LUIS OBISPO COUNTY-MC CHESNEY FIELD	SAN LUIS OBISPO, CA
SCK	AWP	STOCKTON METROPOLITAN	STOCKTON, CA
SDL	AWP	SCOTTSDALE	SCOTTSDALE, AZ
SDM	AWP	BROWN FIELD MUNI	SAN DIEGO, CA
SEE	AWP	GILLESPIE FIELD	SAN DIEGO/EL CAJON/, CA
SFB	ASO	ORLANDO SANFORD	ORLANDO, FL
SFF	ANM	FELTS FIELD	SPOKANE, WA
SIG	ASO	FERNANDO LUIS RIBAS DOMINICCI	SAN JUAN, PR
SJT	ASW	MATHIS FIELD	SAN ANGELO, TX
SLE	ANM	MCNARY FLD	SALEM, OR
SLN	ACE	SALINA MUNI	SALINA, KS
SMO	AWP	SANTA MONICA MUNI	SANTA MONICA, CA
SMX	AWP	SANTA MARIA PUB/CAPT G ALLAN HANCOCK FLD	SANTA MARIA, CA
SNS	AWP	SALINAS MUNI	SALINAS, CA

**Table B-4.**  
**List of Non-Hub Towers**

<b>Location Identifier</b>	<b>Region</b>	<b>Airport Name</b>	<b>City, State</b>
SPG	ASO	ALBERT WHITTED	ST PETERSBURG, FL
SPI	AGL	CAPITAL	SPRINGFIELD, IL
SQL	AWP	SAN CARLOS	SAN CARLOS, CA
SSF	ASW	STINSON MUNI	SAN ANTONIO, TX
STJ	ACE	ROSECRANS MEMORIAL	ST JOSEPH, MO
STP	AGL	ST PAUL DOWNTOWN HOLMAN FLD	ST PAUL, MN
STS	AWP	SONOMA COUNTY	SANTA ROSA, CA
STX	ASO	ALEXANDER HAMILTON	CHRISTIANSTED, VI
SUA	ASO	WITHAM FIELD	STUART, FL
SUN	ANM	FRIEDMAN MEMORIAL	HAILEY, ID
SUS	ACE	SPIRIT OF ST LOUIS	ST LOUIS, MO
SUX	ACE	SIOUX GATEWAY	SIOUX CITY, IA
TCL	ASO	TUSCALOOSA MUNI	TUSCALOOSA, AL
TEB	AEA	TETERBORO	TETERBORO, NJ
TIW	ANM	TACOMA NARROWS	TACOMA, WA
TIX	ASO	SPACE CENTER EXECUTIVE	TITUSVILLE, FL
TMB	ASO	KENDALL-TAMIAMI EXECUTIVE	MIAMI, FL
TOA	AWP	ZAMPERINI FIELD	TORRANCE, CA
TOL	AGL	TOLEDO EXPRESS	TOLEDO, OH
TOP	ACE	PHILIP BILLARD MUNI	TOPEKA, KS
TRI	ASO	TRI-CITIES REGIONAL TN/VA	BRISTOL/JOHNSON/KINGSPORT, TN
TTD	ANM	PORTLAND-TROUTDALE	PORTLAND, OR
TTN	AEA	MERCER COUNTY	TRENTON, NJ
PPG	AWP	PAGO PAGO INTL	PAGO PAGO, AS
TVC	AGL	CHERRY CAPITAL	TRAVERSE CITY, MI
TVL	AWP	LAKE TAHOE	SOUTH LAKE TAHOE, CA
TWF	ANM	JOSLIN FIELD - MAGIC VALLEY RGNL	TWIN FALLS, ID
TXK	ASW	TEXARKANA REGIONAL-WEBB FIELD	TEXARKANA, AR
TYR	ASW	TYLER POUNDS FIELD	TYLER, TX
UCA	AEA	ONEIDA COUNTY	UTICA, NY
UGN	AGL	WAUKEGAN REGIONAL	CHICAGO/WAUKEGAN, IL
VGT	AWP	NORTH LAS VEGAS	LAS VEGAS, NV
VLD	ASO	VALDOSTA REGIONAL	VALDOSTA, GA
VNY	AWP	VAN NUYS	VAN NUYS, CA
VRB	ASO	VERO BEACH MUNI	VERO BEACH, FL
WDG	ASW	ENID WOODRING MUNI	ENID, OK
WHP	AWP	WHITEMAN	LOS ANGELES, CA
WJF	AWP	GENERAL WM J FOX AIRFIELD	LANCASTER, CA
YIP	AGL	WILLOW RUN	DETROIT, MI
YKM	ANM	YAKIMA AIR TERMINAL	YAKIMA, WA
YNG	AGL	YOUNGSTOWN-WARREN REGIONAL	YOUNGSTOWN/WARREN, OH
GPM	ASW	GRAND PRAIRIE MUNI	GRAND PRAIRIE, TX
CGX	AGL	MERRILL C MEIGS	CHICAGO, IL
ADW	AEA	ANDREWS AFB	CAMP SPRINGS, MD
KWA	AWP	BUCHOLZ AAF(KWAJALEIN KMR)(ATOL)	KWAJALEIN/MARSHALL IS, MH

Listed 305 Airports.

## Table B-5.

### List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
ABY	ASO	SOUTHWEST GEORGIA REGIONAL	ALBANY, GA
ADM	ASW	ARDMORE MUNI	ARDMORE, OK
AHN	ASO	ATHENS/BEN EPPS	ATHENS, GA
AKN	AAL	KING SALMON	KING SALMON, AK
ALN	AGL	ST LOUIS REGIONAL	ALTON/ST LOUIS, IL
ALW	ANM	WALLA WALLA REGIONAL	WALLA WALLA, WA
APF	ASO	NAPLES MUNI	NAPLES, FL
ARA	ASW	ACADIANA REGIONAL	NEW IBERIA, LA
ASH	ANE	BOIRE FIELD	NASHUA, NH
ATW	AGL	OUTAGAMIE COUNTY	APPLETON, WI
BAF	ANE	BARNES MUNI	WESTFIELD, MA
BET	AAL	BETHEL	BETHEL, AK
BFM	ASO	MOBILE DOWNTOWN	MOBILE, AL
BLI	ANM	BELLINGHAM INTL	BELLINGHAM, WA
BRO	ASW	BROWNSVILLE/SOUTH PADRE ISLAND INT'L	BROWNSVILLE, TX
CGF	AGL	CUYAHOGA COUNTY	CLEVELAND, OH
CHD	AWP	CHANDLER MUNI	CHANDLER, AZ
CHO	AEA	CHARLOTTESVILLE-ALBEMARLE	CHARLOTTESVILLE, VA
CLL	ASW	EASTERWOOD FIELD	COLLEGE STATION, TX
CRE	ASO	GRAND STRAND	NORTH MYRTLE BEACH, SC
CRG	ASO	CRAIG MUNI	JACKSONVILLE, FL
CSM	ASW	CLINTON-SHERMAN	CLINTON, OK
CWA	AGL	CENTRAL WISCONSIN	MOSINEE, WI
CYS	ANM	CHEYENNE	CHEYENNE, WY
DEC	AGL	DECATUR	DECATUR, IL
DET	AGL	DETROIT CITY	DETROIT, MI
EGE	ANM	EAGLE COUNTY REGIONAL	EAGLE, CO
ENW	AGL	KENOSHA REGIONAL	KENOSHA, WI
ESF	ASW	ALEXANDRIA ESLER REGIONAL	ALEXANDRIA, LA
EYW	ASO	KEY WEST INTL	KEY WEST, FL
FLG	AWP	FLAGSTAFF PULLIAM	FLAGSTAFF, AZ
FMN	ASW	FOUR CORNERS REGIONAL	FARMINGTON, NM
FMY	ASO	PAGE FIELD	FORT MYERS, FL
FTY	ASO	FULTON COUNTY AIRPORT-BROWN FIELD	ATLANTA, GA
FUL	AWP	FULLERTON MUNI	FULLERTON, CA
FYV	ASW	DRAKE FIELD	FAYETTEVILLE, AR
GEU	AWP	GLENDALE MUNICIPAL	GLENDALE, AZ
GLH	ASO	MID DELTA REGL	GREENVILLE, MS
GMU	ASO	GREENVILLE DOWNTOWN	GREENVILLE, SC
GNV	ASO	GAINESVILLE REGIONAL	GAINESVILLE, FL
GON	ANE	GROTON-NEW LONDON	GROTON/NEW LONDON, CT
GRI	ACE	CENTRAL NEBRASKA REGIONAL	GRAND ISLAND, NE
GYR	AWP	PHOENIX-GOODYEAR MUNICIPAL	GOODYEAR, AZ
GYG	AGL	GARY REGIONAL	GARY, IN
HFD	ANE	HARTFORD-BRAINARD	HARTFORD, CT
HGR	AEA	WASHINGTON COUNTY REGIONAL	HAGERSTOWN, MD
HHR	AWP	JACK NORTHROP FIELD/HAWTHORNE MUNICIPAL	HAWTHORNE, CA
HKS	ASO	HAWKINS FIELD	JACKSON, MS
HLG	AEA	WHEELING OHIO CO	WHEELING, WV
HOB	ASW	LEA COUNTY/HOBBS/	HOBBS, NM
HUT	ACE	HUTCHINSON MUNI	HUTCHINSON, KS
HVN	ANE	TWEED-NEW HAVEN	NEW HAVEN, CT

## Table B-5.

### List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
HYA	ANE	BARNSTABLE MUNI-BOARDMAN/POLANDO FIELD	HYANNIS, MA
IAG	AEA	NIAGARA FALLS INTL	NIAGARA FALLS, NY
IDA	ANM	FANNING FIELD	IDAHO FALLS, ID
IPT	AEA	WILLIAMSPORT-LYCOMING COUNTY	WILLIAMSPORT, PA
ISO	ASO	KINSTON REGIONAL JETPORT AT STALLINGS FLD	KINSTON, NC
JLN	ACE	JOPLIN REGIONAL	JOPLIN, MO
JVL	AGL	ROCK COUNTY	JANESVILLE, WI
LAL	ASO	LAKELAND LINDER REGIONAL	LAKELAND, FL
LIH	AWP	LIHUE	LIHUE, HI
LMT	ANM	KLAMATH FALLS INTERNATIONAL	KLAMATH FALLS, OR
LRD	ASW	LAREDO INTL	LAREDO, TX
LUK	AGL	CINCINNATI MUNI AIRPORT LUNKEN FIELD	CINCINNATI, OH
LWB	AEA	GREENBRIER VALLEY	LEWISBURG, WV
LWS	ANM	LEWISTON-NEZ PERCE COUNTY	LEWISTON, ID
LYH	AEA	LYNCHBURG REGIONAL/PRESTON GLENN FIELD	LYNCHBURG, VA
MDH	AGL	SOUTHERN ILLINOIS	CARBONDALE/MURPHYSBORO, IL
MEI	ASO	KEY FIELD	MERIDIAN, MS
MFE	ASW	MC ALLEN MILLER INTL	MC ALLEN, TX
MGW	AEA	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MORGANTOWN, WV
MKK	AWP	MOLOKAI	KAUNAKAKAI, HI
MKL	ASO	MC KELLAR-SIPES REGIONAL	JACKSON, TN
MOD	AWP	MODESTO CITY-COUNTY--HARRY SHAM FIELD	MODESTO, CA
MQY	ASO	SMYRNA	SMYRNA, TN
MTN	AEA	MARTIN STATE	BALTIMORE, MD
MVY	ANE	MARTHAS VINEYARD	VINEYARD HAVEN, MA
MWA	AGL	WILLIAMSON COUNTY REGIONAL	MARION, IL
MWC	AGL	LAWRENCE J TIMMERMAN	MILWAUKEE, WI
OGD	ANM	OGDEN-HINCKLEY	OGDEN, UT
OJC	ACE	JOHNSON COUNTY EXECUTIVE	OLATHE, KS
OLM	ANM	OLYMPIA	OLYMPIA, WA
ORH	ANE	WORCESTER MUNI	WORCESTER, MA
OSH	AGL	WITTMAN REGIONAL	OSHKOSH, WI
OUN	ASW	UNIVERSITY OF OKLAHOMA WESTHEIMER	NORMAN, OK
OWB	ASO	OWENSBORO-DAVIESS COUNTY	OWENSBORO, KY
OXR	AWP	OXNARD	OXNARD, CA
PAH	ASO	BARKLEY REGIONAL	PADUCAH, KY
PDT	ANM	EASTERN OREGON REGIONAL AT PENDLETON	PENDLETON, OR
PFN	ASO	PANAMA CITY-BAY CO INTL	PANAMA CITY, FL
PIH	ANM	POCATELLO REGIONAL	POCATELLO, ID
PMD	AWP	PALMDALE PRODN FLT/TEST INSTLN AF PLANT 42	PALMDALE, CA
PWA	ASW	WILEY POST	OKLAHOMA CITY, OK
RAP	AGL	RAPID CITY REGIONAL	RAPID CITY, SD
RBD	ASW	REDBIRD	DALLAS, TX
RYY	ASO	COBB COUNTY-MC COLLUM FIELD	MARIETTA, GA
SAC	AWP	SACRAMENTO EXECUTIVE	SACRAMENTO, CA
SAF	ASW	SANTA FE MUNI	SANTA FE, NM
SBP	AWP	SAN LUIS OBISPO COUNTY-MC CHESNEY FIELD	SAN LUIS OBISPO, CA
SIG	ASO	FERNANDO LUIS RIBAS DOMINICCI	SAN JUAN, PR
SLE	ANM	MCNARY FLD	SALEM, OR
SLN	ACE	SALINA MUNI	SALINA, KS
SMX	AWP	SANTA MARIA PUB/CAPT G ALLAN HANCOCK FLD	SANTA MARIA, CA
SNS	AWP	SALINAS MUNI	SALINAS, CA

## Table B-5.

### List of FAA Contract Towers

Location Identifier	Region	Airport Name	City, State
SPG	ASO	ALBERT WHITTED	ST PETERSBURG, FL
SQL	AWP	SAN CARLOS	SAN CARLOS, CA
SSF	ASW	STINSON MUNI	SAN ANTONIO, TX
STJ	ACE	ROSECRANS MEMORIAL	ST JOSEPH, MO
STX	ASO	ALEXANDER HAMILTON	CHRISTIANSTED, VI
SUA	ASO	WITHAM FIELD	STUART, FL
SUN	ANM	FRIEDMAN MEMORIAL	HAILEY, ID
SWF	AEA	STEWART INT'L	NEWBURGH, NY
TCL	ASO	TUSCALOOSA MUNI	TUSCALOOSA, AL
TIX	ASO	SPACE CENTER EXECUTIVE	TITUSVILLE, FL
TOP	ACE	PHILIP BILLARD MUNI	TOPEKA, KS
TTD	ANM	PORTLAND-TROUTDALE	PORTLAND, OR
TVL	AWP	LAKE TAHOE	SOUTH LAKE TAHOE, CA
TXK	ASW	TEXARKANA REGIONAL-WEBB FIELD	TEXARKANA, AR
TYR	ASW	TYLER POUNDS FIELD	TYLER, TX
UCA	AEA	ONEIDA COUNTY	UTICA, NY
UGN	AGL	WAUKEGAN REGIONAL	CHICAGO/WAUKEGAN, IL
VLD	ASO	VALDOSTA REGIONAL	VALDOSTA, GA
WDG	ASW	ENID WOODRING MUNI	ENID, OK
WHP	AWP	WHITEMAN	LOS ANGELES, CA
WJF	AWP	GENERAL WM J FOX AIRFIELD	LANCASTER, CA
GPM	ASW	GRAND PRAIRIE MUNI	GRAND PRAIRIE, TX
GUM	AWP	GUAM INTERNATIONAL	AGANA, GU
CGX	AGL	MERRILL C MEIGS	CHICAGO, IL

Listed 128 Airports.