



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

# **ADMINISTRATOR'S FACT BOOK**

## **December 1999**

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## **FAA VISION**

*To provide the safest, most efficient and responsive aerospace system in the world, and to be the best Federal employer, continuously improving service to customers and employees.*

### **FAA Mission**

*FAA provides a safe, secure, and efficient global aerospace system that contributes to national security and the promotion of US aerospace safety.*

*As the leading authority in the international aerospace community, FAA is responsive to the dynamic nature of customer needs, economic conditions, and environmental concerns.*

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For further information call APF-100 (202-267-9946)

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\*Updated this issue

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## Aviation Accidents by Type of Operation

Type of Operation	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Total
Large Air Carrier	1998	5	2	5	3	5	2	2	4	7	4	4	6	49
	1999	4	5	4	2	4	7	6	3	7	5	3		50
Commuter	1998	0	1	0	1	2	1	0	0	1	1	0	1	8
	1999	0	0	1	2	0	1	0	0	2	4	0		10
Air Taxi	1998	4	5	3	9	10	7	3	10	10	9	2	7	79
	1999	6	7	7	10	0	8	3	11	6	5	5		68
General Aviation	1998	95	97	139	139	206	211	266	203	187	142	121	104	1,910
	1999	91	98	118	144	224	198	243	232	201	140	100		1,789
Rotorcraft*	1998	13	6	14	21	23	17	22	22	14	13	9	16	190
	1999	9	15	12	15	8	31	18	18	24	18	15		183

\* Part 135 and US registered general aviation rotocraft accidents.

Note: Preliminary data and subject to change.

As of:12/15/99

Source: AAI-200

267-9062

## Aviation Accident Rates by Type of Operation

Type of Operation	1995		1996		1997		1998		% Chg 97-98	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Large Air Carriers.....	36	.27	38	.28	48	.31	49	.29	2%	-6%
Commuter.....	12	.46	11	.40	16	1.70	8	1.60	-50%	-6%
Air Taxi.....	75	4.39	90	4.44	83	3.64	79	3.11	-5%	-15%
General Aviation.....	2,053	8.23	1,907	7.66	1,855	7.29	1,910	7.12	3%	-2%

Accident Rates are per 100,000 Flight Hours

Rotocraft rates discontinued, currently under review.

Note: Preliminary data and subject to change.

As of: 12/15/99

Source: AAI-200

267-9062

## Airspace Incidents by Incident Type

Incident Type	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Total
Near Midair Collisions	1998	11	12	13	22	20	16	14	25	14	19	28	14	208
	1999	19	18	24	19	18	22	23	27	16	20			206
Pilot Deviations	1998	113	136	154	150	125	135	131	120	113	140	136	141	1,594
	1999	112	110	109	132	131	145	193	142	143	170			1,387
Operational Errors	1998	61	49	67	70	72	97	76	81	93	78	77	73	894
	1999	60	68	85	82	75	74	95	97	80	110			826
Vehicle Pedestrian Deviations	1998	18	17	14	23	25	35	24	24	21	24	24	13	262
	1999	22	18	33	30	28	35	41	47	46	28			328
Surface Incidents	1998	60	65	61	65	69	84	70	83	78	63	76	59	833
	1999	67	52	68	79	84	90	118	101	115	94			868
Runway Incursions*	1998	24	20	23	26	22	32	23	28	38	30	36	23	325
	1999	28	22	17	24	30	30	40	23	31	23	27		295

Note: Preliminary data and subject to change.

Source: ATX-400

267-9630

\*ATS-20

493-4307

As of: 11/5/99

\*As of: 12/6/99

## Airspace Incident Rates by Incident Type

Incident Type									Percent Change	
	1995		1996		1997		1998		1997 - 1998 (4)	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Operational Errors (1).....	767	.52	791	.53	790	.51	894	.56	13%	10%
Pilot Deviations (2).....	1,175	.79	1,274	.86	1,494	.96	1,594	1.00	7%	4%
Surface Incidents (3)	680	1.10	692	1.13	813	1.29	833	1.30	2%	1%
Runway Incursions (3)*...	240	.39	275	.45	292	.47	325	.51	11%	9%

(1) Per 100,000 Facility Activities

(2) Per 100,000 Flight Hours

(3) Per 100,000 Airport Operations

(4) Calculations use fifteen decimal places for rates (rounded two places for display).

Note: Preliminary data subject to change.

As of: 9/5/99

\*As of 4/30/99

Source: ATX-400

267-9630

\*ATS-20

493-4307



# Worldwide Hijackings

Incidents	Jan-Nov 99	Jan-Nov 98	Jan-Nov 97	Jan-Nov 96
U.S. Sched. Air Carrier Aircraft.....	0	0	0	0
U.S. General Aviation Aircraft.....	0	0	0	0
Foreign Aircraft.....	10	9	8	15

Preliminary data.  
As of: 11/30/99

Source: ACI-200  
267-3483

# National Transportation Safety Board

## 1998 U.S. Transportation Fatalities

	1997 <sup>1</sup>	1998
<b>Highway</b>		
Passenger cars.....	22,200	21,240
Light Trucks and Vans.....	10,257	10,760
Pedestrians.....	5,321	5,254 <sup>1</sup>
Motorcycles.....	2,116	2,242
Pedalcycles.....	814	794
Medium and heavy trucks.....	753	723
Buses.....	18	27
All Other.....	534	440
<b>Total.....</b>	<b>42,013</b>	<b>41,480</b>
<b>Grade Crossings</b> <sup>2</sup>	<b>(461)</b>	<b>(431)</b>
<b>Rail</b>		
Intercity		
Trespassers and Nontrespassers..... <sup>3</sup>	590	601
Employees and Contractors.....	48	34
Passengers on trains.....	6	4
Light and commuter rail..... <sup>4-5</sup>	105	192
<b>Total.....</b>	<b>749</b>	<b>831</b>
<b>Marine</b>		
Recreational Boating.....	821	808
Cargo Transport.....	36	24
Commercial fishing..... <sup>6</sup>	54	76
<b>Total.....</b>	<b>911</b>	<b>908</b>
<b>Aviation</b>		
General Aviation.....	646	621
Airlines.....	8	1
Air Taxi.....	40	45
Commuter.....	46	0
Foreign/Unregistered..... <sup>7</sup>	236	16
<b>Total.....</b>	<b>976</b>	<b>683</b>
<b>Pipeline</b>		
Gas.....	10	17
Liquids.....	0	1
<b>Total.....</b>	<b>10</b>	<b>18</b>
<b>GRAND TOTAL.....</b>	<b>44,659</b>	<b>43,920</b>

1 1997 figures are preliminary estimates supplied by modal agencies within DOT.

2 Grade crossing fatalities are not counted as a separate category for determining the grand totals because they are included in the highway and rail categories, as appropriate.

3 Does not include motor vehicle occupants killed at grade crossings.

4 1998 figure includes heavy rail fatalities (54) reported by the Federal Transit Administration (FTA).

5 Fatalities reported to the FTA for commuter rail operations may also be reported to the Federal Rail Administration and included in the intercity railroad fatalities.

6 Refers to only operational fatalities.

7 Includes non-U.S. registered aircraft involved in accidents in the U.S.

# Air Traffic

## FAA Air Traffic Activity (In Thousands)

Aircraft Handled by	Jan-Oct	Jan-Oct	Jan-Dec
<b>FAA ARTCC's</b>	99*	98	98
Air Carrier.....	20,216	19,498	23,423
Air Taxi.....	6,502	5,982	7,266
General Aviation.....	7,405	7,363	8,745
Military.....	3,382	3,587	4,268
<b>TOTAL....</b>	<b>37,505</b>	<b>36,430</b>	<b>43,702</b>
<b>Airport Operations</b>			
<b>Logged by FAA Towers</b>			
Air Carrier.....	12,110	11,804	14,118
Air Taxi.....	7,720	7,509	9,046
General Aviation.....	24,497	24,123	28,522
Military.....	1,816	1,777	2,111
<b>TOTAL....</b>	<b>46,143</b>	<b>45,213</b>	<b>53,797</b>
<b>Instrument Operations</b>			
<b>Logged by FAA Towers</b>			
Air Carrier.....	13,259	12,863	15,329
Air Taxi.....	9,283	9,132	11,030
General Aviation.....	17,423	16,990	20,087
Military.....	2,911	2,915	3,431
<b>TOTAL....</b>	<b>42,876</b>	<b>41,900</b>	<b>49,877</b>
<b>Flight Services</b>			
<b>Logged by:</b>			
Flight Service Stations.....	712	749	850
Automated Flight Service Stations.....	28,496	30,574	35,888
<b>TOTAL....</b>	<b>29,208</b>	<b>31,323</b>	<b>36,738</b>

\*Preliminary  
As of: 10/31/99

Source: APO-130  
267-9942

# Air Route Traffic Control Center Activity

CY 98 Rank	Center	Aircraft Handled (000's)		
		Jan-Oct 99*	Jan-Oct 98	Jan-Dec 98
1	Cleveland, OH.....	2,623	2,531	3,041
2	Chicago, IL.....	2,394	2,341	2,801
3	Atlanta, GA.....	2,366	2,244	2,696
4	New York, NY.....	2,349	2,134	2,587
5	Washington, DC.....	2,211	2,066	2,480
6	Indianapolis, IN.....	2,199	2,031	2,444
7	Fort Worth, TX.....	1,828	1,810	2,162
8	Memphis, TN.....	1,827	1,793	2,144
9	Jacksonville, FL.....	1,831	1,777	2,144
10	Kansas City, KS.....	1,837	1,790	2,142
11	Miami, FL.....	1,793	1,725	2,081
12	Minneapolis, MN.....	1,783	1,734	2,065
13	Los Angeles, CA.....	1,743	1,688	2,027
14	Houston, TX.....	1,701	1,683	2,019
15	Boston, MA.....	1,562	1,647	1,944
16	Albuquerque, NM.....	1,727	1,556	1,888
17	Denver, CO.....	1,398	1,379	1,637
18	Oakland, CA.....	1,359	1,353	1,615
19	Salt Lake City, UT.....	1,193	1,324	1,564
20	Seattle, WA.....	1,204	1,179	1,409
21	Anchorage, AK.....	492	554	651
22	Guam ** .....	84	91	159

\*Preliminary

\*\*Center Radar Approach Control (CERAP)

As of: 10/31/99

Source: APO-130  
267-9942

# 50 Busiest FAA Airport Traffic Control Towers

CY 98 Rank	Tower and State	Airport Operations (000's)		
		Jan-Oct 99*	Jan-Oct 98	Jan-Dec 98
1	Dallas/Ft. Worth Int'l., TX.....	721	782	930
2	Chicago/O'Hare Int'l., IL.....	748	747	897
3	Atlanta International, GA.....	755	702	847
4	Los Angeles Int'l, CA.....	647	647	774
5	Van Nuys, CA.....	501	469	552
6	Detroit Metro Wayne Co., MI.....	467	446	538
7	Miami International, FL.....	430	448	536
8	Phoenix Sky Harbor Int'l, AZ.....	469	439	530
9	Boston/Logan Int'l, MA.....	422	433	516
10	Metropolitan Oakland Int'l.....	435	430	507
11	Lambert-St. Louis Int'l, MO.....	421	421	504
12	Minneapolis-St. Paul Int'l, MN.....	401	425	483
13	Denver International, CO.....	419	398	477
14	Long Beach/Daugherty, CA.....	423	392	472
15	Las Vegas/McCarran Int'l, NV.....	448	391	471
16	Philadelphia Int'l, PA.....	399	389	469
17	Denver/Centennial.....	370	402	466
18	Newark International, NJ.....	386	385	462
19	Charlotte/Douglas, NC.....	369	380	455
20	Pittsburgh International, PA.....	364	377	451
21	Houston/Intercontinental, TX.....	386	373	448
22	Covington/Cincinnati Int'l, KY.....	396	370	443
23	San Francisco Int'l, CA.....	368	362	432
24	Santa Ana/John Wayne, CA.....	397	352	418
25	Seattle Tacoma Int'l, WA.....	364	340	408

\*Preliminary

Source: APO-130  
267-9942

As of: 10/31/99

# 50 Busiest FAA Airport Traffic Control Towers

CY 98 Rank	Tower and State	Airport Operations (000's)		
		Jan-Oct 99*	Jan-Oct 98	Jan-Dec 98
26	Washington Dulles Int'l, VA.....	399	328	396
27	Fort Worth Meacham, TX.....	281	330	382
28	Orlando/Sanford, FL.....	301	320	381
29	Salt Lake City Int'l, UT.....	310	306	365
30	Orlando International, FL.....	302	304	365
31	Memphis International, TN.....	311	304	365
32	La Guardia, NY.....	306	299	361
33	John F. Kennedy Int'l, NY.....	298	301	358
34	Prescott/E. A. Love Field, AZ.....	284	283	350
35	Seattle/Boeing Field, WA.....	254	305	345
36	Honolulu International, HI.....	291	282	337
37	Pontiac/Oakland Co. Int'l, MI.....	324	285	333
38	Portland International, OR.....	243	275	326
39	Washington National, DC.....	279	260	314
40	Anchorage International, AK.....	272	275	312
41	Cleveland Hopkins Int'l, OH.....	266	258	309
42	Daytona Beach, FL.....	311	246	306
43	Baltimore/Wash. Int'l, MD.....	253	240	291
44	San Jose International, CA.....	259	241	286
45	Phoenix-Deer Valley, AZ.....	235	231	281
46	Chicago Midway, IL.....	223	232	278
47	San Antonio International, CA.....	213	233	273
48	Tulsa/Riverside, OK.....	227	228	273
49	Tucson International, AZ.....	233	217	267
50	San Diego/Montgomery, CA.....	229	223	266

# 50 Busiest Radar Approach Control Facilities

CY 98 Rank	Facilities/State	Instrument Ops (000s)		
		Jan-Oct 99*	Jan-Oct 98	Jan-Dec 98
1	Southern Calif. TRACON, CA.....	1,935	1,871	2,237
2	New York TRACON, NY.....	1,744	1,701	2,035
3	Dallas/Ft Worth , TRACON, TX.....	1,148	1,190	1,419
4	Chicago TRACON, IL.....	1,138	1,117	1,337
5	Atlanta International, GA.....	946	887	1,066
6	Bay TRACON, CA.....	897	872	1,037
7	Miami International, FL.....	814	831	997
8	Houston TRACON, TX.....	704	684	820
9	Detroit TRACON, MI.....	659	623	750
10	Phoenix TRACON, AZ.....	607	559	675
11	Washington Dulles Int'l, VA.....	617	551	662
12	Minneapolis TRACON, MN.....	578	550	658
13	Philadelphia International, PA.....	577	545	656
14	Denver TRACON, CO.....	572	540	645
15	St Louis TRACON, MO.....	546	533	638
16	Boston TRACON, MA.....	521	531	632
17	Orlando International, FL.....	535	508	612
18	Las Vegas TRACON, NV.....	562	504	604
19	Seattle/Tacoma TRACON, WA.....	508	491	582
20	Pittsburgh International, PA.....	455	488	578
21	Cincinnati International, KY.....	506	483	577
22	San Juan CERAP, PR <sup>1</sup> .....	484	485	576
23	Washington National, DC.....	509	467	562
24	Charlotte/Douglas Int'l, NC.....	466	466	558
25	Baltimore-Washington Int'l, MD.....	447	446	534

\* Preliminary    <sup>1</sup> Missing 1999 data

Source: APO-130  
267-9942

As of: 10/31/99

# 50 Busiest Radar Approach Control Facilities

CY 98 Rank	Facilities/State	Instrument Ops (000's)		
		Jan-Oct 99*	Jan-Oct 98	Jan-Dec 98
26	Tampa International, FL.....	480	430	525
27	Jacksonville Int'l, FL <sup>1</sup> .....	384	439	521
28	Salt Lake City TRACON, UT.....	470	428	512
29	Honolulu CERAP, HI.....	425	392	468
30	Sacramento RAPCON, CA.....	379	401	463
31	Daytona Beach Int'l, FL.....	481	372	462
32	Memphis International, TN.....	384	367	439
33	San Antonio Int'l, TX.....	369	371	437
34	Cleveland Hopkins Int'l, OH.....	343	336	401
35	Dayton International, OH.....	328	322	384
36	Yankee TRACON, CT.....	333	316	381
37	Port Columbus Int'l, OH.....	318	300	360
38	Portland TRACON, OR.....	284	304	359
39	Indianapolis Int'l, IN.....	303	298	358
40	Corpus Christi, TX.....	312	290	342
41	Milwaukee/Mitchell Int'l, WI.....	287	289	341
42	Kansas City International, MO.....	288	280	336
43	Honolulu International, HI.....	261	281	334
44	Palm Beach International, FL.....	260	272	332
45	Austin, TX.....	285	275	326
46	Raleigh-Durham, NC.....	304	270	325
47	Pensacola TRACON, FL.....	302	277	325
48	Anchorage TRACON, AK.....	280	284	320
49	Richmond International, VA.....	267	267	318
50	Oklahoma City/Will Rogers, Ok.....	268	264	313



# Automated Flight Service Stations Activity

CY 98 Rank	AFSS/State	Flight Services (000's)		
		Jan-Oct 99*	Jan-Oct 98	Jan-Dec 98
1	Miami AIFSS, FL.....	1,116	1,097	1,292
2	St. Petersburg, FL.....	985	952	1,145
3	Lansing, MI.....	800	867	1,014
4	Fort Worth, TX.....	743	789	957
5	Raleigh, NC.....	630	695	825
6	Columbia, MO.....	628	683	801
7	Kankakee, IL.....	615	667	783
8	Seattle, WA.....	663	675	768
9	Terre Haute, IN.....	645	639	755
10	Bridgeport, CT.....	644	650	752
11	Princeton, MN <sup>1</sup> .....	546	647	742
12	Macon, GA.....	595	594	722
13	Anderson, SC.....	530	614	721
14	Dayton, OH.....	479	604	716
15	Green Bay, WI.....	575	601	690
16	Denver, CO.....	605	585	685
17	Gainesville, FL.....	495	567	678
18	Leesburg, VA.....	574	567	667
19	San Angelo, TX.....	531	532	648
20	Prescott, AZ.....	546	528	637
21	Oakland AIFSS, CA.....	471	546	635
22	Millville, NJ.....	512	537	631
23	Williamsport, PA.....	508	532	619
24	Wichita, KS.....	394	518	616
25	Anniston, AL.....	448	511	608
26	Cleveland, OH.....	396	519	590
27	Conroe, TX.....	480	479	585
28	Kenai AIFSS, AK.....	485	493	548
29	Mc Alester, OK.....	432	447	532
30	Altoona, PA.....	435	452	527

\* Preliminary      <sup>1</sup> Missing 1999 data

Source: APO-130  
267-9942

Automated International Flight Service Station--AIFSS

As of: 10/31/99

# Automated Flight Service Stations Activity

CY 98	AFSS/State	Flight Services (000's)		
		Jan-Oct 99*	Jan-Oct 98	Jan-Dec 98
31	Albuquerque, NM.....	408	423	499
32	Riverside, CA.....	393	417	492
33	Nashville, TN.....	407	407	488
34	Jonesboro, AR.....	370	406	485
35	Burlington, VT.....	349	416	476
36	Hawthorne, CA.....	390	392	464
37	De Ridder, LA.....	308	362	438
38	Fort Dodge, IA.....	323	373	434
39	Rancho Murieta, CA.....	337	345	409
40	San Diego, CA.....	325	334	399
41	Mc Minnville, OR.....	328	344	394
42	St. Louis, MO.....	316	337	394
43	Louisville, KY.....	299	324	382
44	Cedar City, UT.....	301	328	381
45	Buffalo, NY.....	293	322	371
46	Bangor, ME.....	300	318	368
47	Columbus, NE.....	271	288	335
48	Islip AIFSS, NY.....	289	285	331
49	Reno, NV.....	276	273	320
50	Grand Forks, ND.....	266	276	318
51	Greenwood, MS.....	220	260	311
52	Huron, SD.....	233	266	307
53	San Juan AIFSS, PR.....	262	244	298
54	Jackson, TN.....	224	246	292
55	Elkins, WV.....	229	247	287
56	Great Falls, MT.....	227	243	280
57	Fairbanks, AK.....	193	224	254
58	Casper, WY.....	169	203	233
59	Honolulu, HI.....	179	167	203
60	Boise, ID.....	170	174	200
61	Juneau, AK.....	135	151	166

# Airports

## Number of U.S. Airports <sup>1</sup> (As of December 31)

	1998	1997	1996
<b>Total Airports</b> .....	18,770	18,345	18,292
Public Use Airports.....	5,352	5,357	5,389
# with Paved Runways.....	3,970	3,963	3,972
# with Unpaved Runways.....	1,382	1,394	1,417
# with Lighted Runways.....	4,005	3,999	4,017
# with Unlighted Runways.....	1,347	1,358	1,372
Private Use Airports.....	13,418	12,988	12,903
# with Paved Runways.....	4,451	4,285	4,246
# with Unpaved Runways.....	8,967	8,703	8,657
# with Lighted Runways.....	840	833	830
# with Unlighted Runways.....	12,578	12,155	12,073
<b>Public use airports abandoned</b> .....	24	25	26
<b>Private use airports abandoned</b> .....	92	83	63
<b>Certificated Airports</b> .....	660	660	671
Civil .....	566	566	577
Military .....	94	94	94

<sup>1</sup> Includes civil and joint-use civil-military airports, heliports, STOLports, and seaplane bases in the U.S. and its territories.

<sup>2</sup> Preliminary

\* Certificated airports serve Air Carrier Operations with aircraft seating more than 30 passengers. (FAR Part 139).

Source: AAS-330  
267-8752

As of: 12/31/98

# National Airspace Total System Delays

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total
<b>1999</b>	24,345	19,851	23,180	34,046	39,533	41,602	45,162	37,189	32,833	28,223			325,964
<b>1998</b>	27,623	24,855	24,159	22,563	29,187	37,093	25,672	30,549	20,194	23,988	20,439	19,912	306,234 r/
<b>1997</b>	21,588	15,856	15,055	17,453	19,177	25,068	26,193	24,816	19,388	17,812	22,337	20,516	245,259 r/
<b>1996</b>	25,082	18,955	18,598	19,303	22,200	29,776	25,544	24,203	25,422	21,452	17,294	23,678	271,507 r/
<b>1995</b>	22,962	14,148	18,217	17,237	19,567	24,349	21,506	21,326	16,520	17,834	20,081	23,055	236,802 r/

Percent Increase Compared to same period 1998 18.43%

Delays of 15 minutes or longer

r/ Revised

As of: 10/31/99

Source: ATO-200  
703-904-4470

# Aircraft

## U.S. Air Carrier Activity

	CY 1998	CY 1997	CY 1996
<b>Total Number of Aircraft<sup>1</sup>.....</b>	18,493	17,990	18,597
<b>Type of Carrier</b>			
Domestic, flag, supplemental, scheduled, cargo air carriers, and commercial operators.....	6,698	6,681	5,800
Commuter Air Carriers and Air Taxis.....	11,795	11,309	12,797
<b>Total Number of Aircraft<sup>1</sup>.....</b>	18,493	17,990	18,597
<b>Type of Aircraft</b>			
Jet.....	6,720	6,464	6,158
Turboprop.....	3,442	3,207	3,485
Piston.....	6,042	6,167	6,746
Rotary Wing.....	2,289	2,152	2,208
<b>Air Carrier Traffic Statistics<sup>2</sup> (Millions)*</b>			
Passenger miles flown.....	605,434	605,434	578,663
Passenger enplanements.....	599	599	581
Ton miles.....	81,057	81,057	75,620
Aircraft miles flown.....	5,679	5,679	5,501
Passenger load factor <sup>3</sup>			
Domestic.....	69.1%	69.1%	67.9%
International.....	74.1%	74.1%	73.3%

<sup>1</sup> Source: Vital Information System

<sup>2</sup> Includes domestic and international scheduled service, of Certificated Route Air Carriers only.

<sup>3</sup> Proportion of aircraft seating capacity that is sold.

As of: 12/31/98

Source: AFS-40

267-3433

\*BTS (K-25)

366-8513

# U.S. General Aviation and Air Taxi Activity

## (Calendar Years)

	Estimated Active Aircraft (thousands)		Estimated Hours Flown (Millions)	
	1997	1996*	1997	1996*
<b>Total</b> .....	192.4	191.1	27.7	26.9
<b>By Type Aircraft</b>				
Piston.....	156.1	153.6	20.7	20.1
Turboprop.....	5.6	5.7	1.7	1.8
Jet.....	5.2	4.4	1.7	1.5
Rotary Wing.....	6.8	6.6	2.1	2.1
Other.....	4.1	4.2	0.2	0.2
Experimental.....	14.7	16.6	1.3	1.2
<b>By Type Flying</b>				
Public Use**.....	4.1	4.5	1.1	1.0
Corporate.....	10.4	9.9	2.9	2.9
Business.....	27.7	30.7	3.0	3.3
Personal.....	115.6	113.4	9.6	9.0
Instructional.....	14.7	12.7	5.0	4.8
Air Taxi.....	4.8	4.1	2.0	1.7
Aerial Application.....	4.9	5.0	1.6	1.7
Aerial Observation.....	3.3	3.0	1.3	1.1
Sight Seeing.....	0.7	0.7	0.1	0.2
Air Tours.....	0.2	0.1	0.1	0.1
External Load.....	0.2	0.4	0.1	0.2
Other Work Use.....	0.7	1.0	0.1	0.3
Other.....	5.3	5.6	0.8	0.7

\*Data for 1996 have been revised to reflect changes in estimation methodology.

\*\*Public use was added as a flying category in 1996. Aircraft and hours flown in this category were previously counted in other use categories.

# Aircraft Certification Service

## Aircraft Certification Mission and Program Profiles

	FY 1998	FY 1997
Type Certificates/Supplemental Type Certificates Issued.....	1,737	1,676
Other Design Approvals Issued.....	5,908	5,384
Production Approvals (Including Amendments) Issued.....	2,710	2,670
Airworthiness Certificates Issued.....	2,804	2,720
New Airworthiness Directives (AD) Issued.....	551	341
New Designees (Representative of the Administrator) Appointed.....	1,190	877
Total Active Designees.....	4,605	4,588

As of: 9/30/98

Source: AIR-503  
267-7260

## Active Pilots and Nonpilots (As of 31 December)

	1998		1997	
	Total	Women	Total	Women
<b>Pilot-Total</b> .....	<b>618,298</b>	<b>35,762</b>	<b>616,340</b>	<b>35,531</b>
Student.....	97,736	11,289	96,101	11,217
Private.....	247,226	14,152	247,602	14,257
Commercial.....	122,053	5,366	125,300	5,392
Airline Transport.....	134,612	3,848	130,858	3,572
Other <sup>1</sup> .....	16,671	1,107	16,479	1,093
<b>Nonpilot-Total</b> <sup>2</sup> .....	<b>549,588</b>	<b>15,380</b>	<b>540,892</b>	<b>14,562</b>
Mechanic.....	336,670	4,483	332,254	4,197
Repair Men/Women.....	52,909	1,940	51,643	1,861
Ground Instructor.....	70,334	4,904	69,366	4,758
Flight Engineer.....	63,700	1,841	62,544	1,725
Other <sup>3</sup> .....	25,975	2,212	25,085	2,021
<b>Flight Instructor</b> .....	<b>79,171</b>	<b>4,926</b>	<b>78,102</b>	<b>4,763</b>

<sup>1</sup> Includes helicopter (only) & glider (only), and recreational pilot certificates.

<sup>2</sup> Excludes non-pilots 70 years old or over in all certificate types except flight engineers and flight navigators.

<sup>3</sup> Includes flight navigators, parachute riggers, and dispatchers.

As of 12/31/98

Source: APO-110  
267-7924



# Industry Trends

## Scheduled U.S. Air Carrier Traffic and Financial Trends

	Oct-Jun FY 1999	Oct-Jun FY 1998	Numerical Change	Percent Change
<b>TRAFFIC</b>				
<b>ASM'S (in millions)</b>				
Majors.....	617,924	599,522	18,402	3.1
Nationals.....	45,570	41,532	4,038	9.7
Regionals.....	2,338	2,594	(256)	(9.9)
Totals.....	<b>665,832</b>	<b>643,648</b>	<b>22,184</b>	<b>3.4</b>
<b>RPM's ( in millions)</b>				
Majors.....	433,417	420,351	13,066	3.1
Nationals.....	30,060	26,654	3,406	12.8
Regionals.....	1,306	1,419	(113)	(8.0)
Totals.....	<b>464,783</b>	<b>448,424</b>	<b>16,359</b>	<b>3.6</b>
<b>Load Factor (in percent)</b>				
Majors.....	70.1	70.1	0.5	
Nationals.....	66.0	64.2	1.8	
Regionals.....	55.9	54.7	1.2	
Totals.....	<b>69.8</b>	<b>69.7</b>	<b>0.1</b>	
<b>FINANCIAL</b>				
<b>Revenues (in millions)</b>				
Majors.....	\$76,077	\$74,728	\$1,349	1.8
Nationals.....	8,730	7,823	907	11.6
Regionals.....	844	850	(6)	(1)
Totals.....	<b>\$85,651</b>	<b>\$83,401</b>	<b>2,250</b>	<b>2.7</b>
<b>Expenses (in millions)</b>				
Majors.....	\$70,691	\$68,504	\$2,187	3.2
Nationals.....	8,092	7,510	582	7.7
Regionals.....	812	913	(101)	(11.1)
Totals.....	<b>\$79,595</b>	<b>\$76,927</b>	<b>2,668</b>	<b>3.5</b>
<b>Operating Profit/Loss (in millions)</b>				
Majors.....	\$5,386	\$6,224	(\$838)	
Nationals.....	638	313	325	
Regionals.....	32	(63)	95	
Totals.....	<b>\$6,056</b>	<b>\$6,474</b>	<b>(\$418)</b>	

Source: APO-110

As of: 10/1/99

493-4236

# U.S. Commercial Space Transportation Financial Trends

	CY 97	CY 98	CY 99 (Projected)
<b>Commercial Launch Revenues (in Millions)</b>			
Small Launch Vehicles	\$55	NA	NA
Large Launch Vehicles	\$885	NA	NA
<b>TOTAL</b>	<b>\$940</b>	<b>\$1,119</b>	<b>\$1,300</b>

NA - not available

As of: 4/16/99

Source: AST-200  
267-8308

# Aviation Forecasts

Actual Forecast  
FY 1998 FY 2002

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## FAA FACILITY WORKLOAD

<b>Aircraft Handled by FAA ARTCC's (Millions)</b>	<b>43.2</b>	<b>47.3</b>
Air Carrier.....	23.2	26.0
Air Taxi/Commuter.....	7.1	7.8
General Aviation.....	8.6	9.3
Military.....	4.2	4.2
<b>Operations Logged by FAA Towers (Millions)</b>		
Airport.....	65.3	70.4
Instrument.....	49.9	54.1
<b>Flight Services Logged by Flight Services Stations (Millions)</b>		
	34.0	33.7

---

## CIVIL AVIATION ACTIVITY

### Certificated Route Air Carrier

Revenue Passenger Enplanements (Millions)....	607.7	682.9
Revenue Passenger Miles (Billions).....	614.2	721.3

<b>Air Carrier Aircraft.....</b>	<b>5,236</b>	<b>6,052</b>
----------------------------------	--------------	--------------

### General Aviation Estimated

Hours Flown (Millions)*.....	28.2	30.4
Active Aircraft (Thousands)*.....	194.8	203.3

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## ESTIMATED FUEL CONSUMED BY U.S. DOMESTIC

### CIVIL AVIATION (Millions of Gallons)

#### Jet Fuel

Air Carrier.....	18,882	21,109
General Aviation.....	670	798

#### Aviation Gas

Air Carrier.....	2	2
General Aviation.....	296	311

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<b>Active Pilots (Thousands)*.....</b>	<b>618</b>	<b>667</b>
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\*Calendar Year  
As of: 4/99

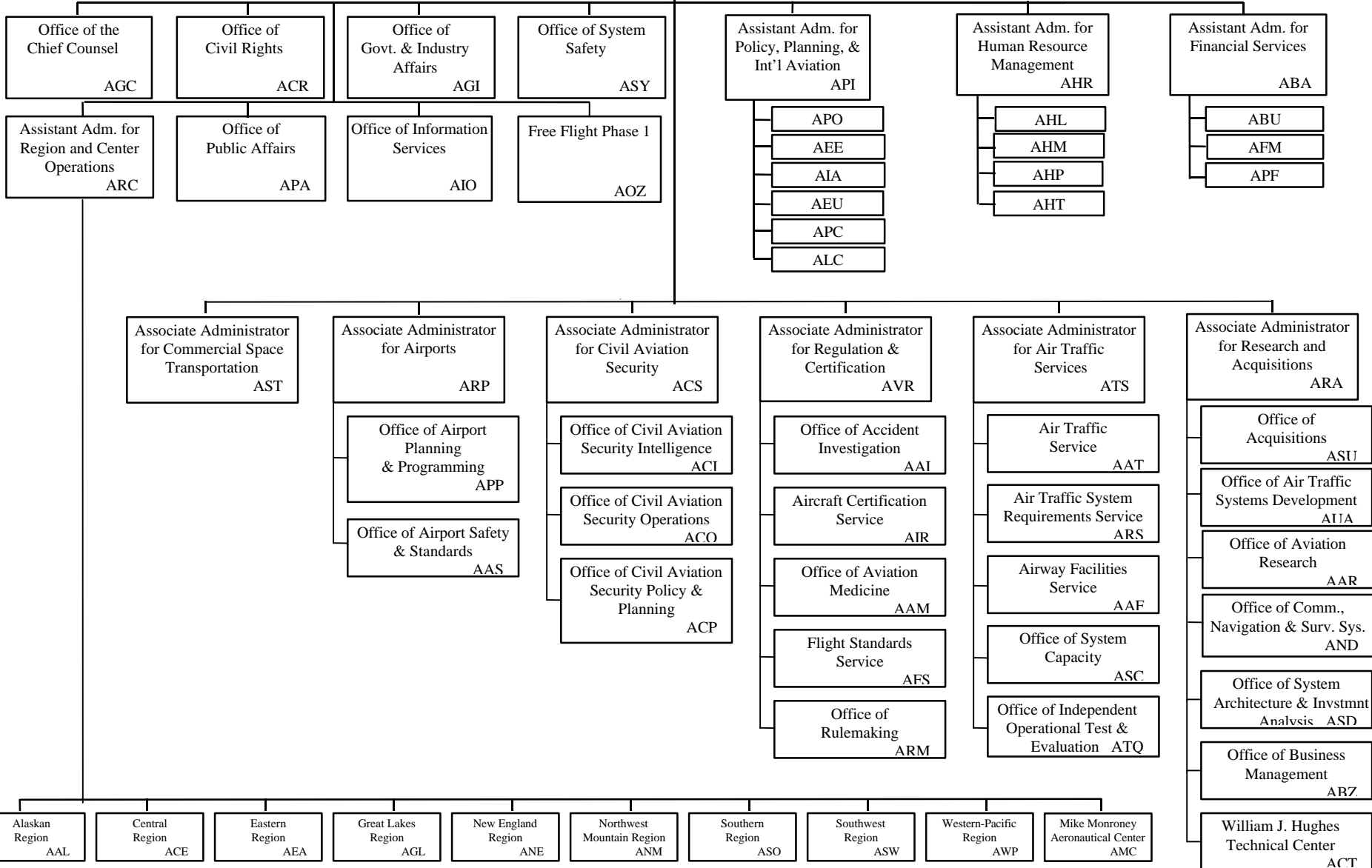
Source: APO-110  
493-4236

# FEDERAL AVIATION ADMINISTRATION

Administrator  
AOA

---

Deputy Administrator  
ADA



# The Associate Administrator for Commercial Space Transportation

Since its establishment in 1984, the primary responsibilities of the Associate Administrator for Commercial Space Transportation (AST) have been to regulate the US commercial space transportation industry and license commercial launches to protect public health and safety, safety of property, national security, and foreign policy interests of the US. The Office is also responsible for encouraging, facilitating and promoting commercial launches by the private sector and for regulating non-federal or commercial space launch sites.

Licenses to conduct commercial launches are granted to commercial launch providers who demonstrate evidence of compliance with all safety regulations and other requirements for conducting commercial space launch activities. Licensees must also have sufficient insurance or financial resources to cover any probable losses from a launch mishap.

Licensed commercial launches are currently conducted at federal launch sites including Cape Canaveral Air Station, Florida; Vandenberg Air Force Base, California; Wallops Flight Facility, Wallops Island, Virginia; and White Sands Missile Range, New Mexico. Four non-federal or commercial sites are now licensed and operational to allow licensed commercial launches and other launch operations. They are the California Spaceport, located at Vandenberg Air Force Base; Spaceport Florida Authority, located at Cape Canaveral; the Virginia Space Flight Center, located on Wallops Island, Virginia; and the Kodiak Launch Complex, located on Kodiak Island, Alaska. The state of New Mexico has a proposal for the development of the Southwest Regional Spaceport in south central New Mexico.

## **AST Programs and Initiatives**

### Regulatory and Safety Program

- Licensing, Rulemaking, Insurance Determinations/Risk Assessment, Environmental Compliance, Standards, Compliance Monitoring, Enforcement, Safety Research, Reentry Spacecraft and Operations.

### Other Programs and Initiatives

- Launch Technology Development, Customer Service, Industry and Market Analysis, Federal Space Policy Development, International Launch Trade Policy, Community and Educational Outreach

### Research Areas

- Flight Safety, Launch Sites, Payload Safety, Standards, GPS, Environmental Issues, Space Safety including Orbital Debris.

**World Wide Web Address:**

<http://AST.faa.gov/>

# U.S. Commercial Space Transportation Activity and AST Licensing

	FY 1997	FY 1998	FY 1999 (Projected)
<b>Licensed Commercial Launches</b>			
<b>TOTAL</b>	<b>14</b>	<b>22</b>	<b>18</b>
<b>Number of Orbital Launches</b>	14	22 <sup>1</sup>	18
<b>Number of Sub-Orbital Launches</b>	0	0	0
<b>By Launch Vehicle Type</b>			
Delta Family (Boeing Company)	5	11	7
Atlas Family (Lockheed Martin)	6	5	5
Pegasus (Orbital Sciences Corp.)	2	4	2
Athena 1&2 (Lockheed Martin)	1	1	3
Starfire (EER Systems)	0	0	0
Taurus (Orbital Sciences Corp.)	0	1	0
Zenit (KB Yuzhnoye, Ukraine)	0	0	1
<b>By Payload Type</b>			
GEO <sup>2</sup> Communications Satellites	7	9	8
LEO <sup>3</sup> Communications Satellites	4	11	5
Scientific Satellites	2	0	3
Remote Sensing Satellites	1	2	2
Mirogravity Satellites	0	0	0
Mass Simulator	0	0	1
<b>By Launch Site (Federal)</b>			
Cape Canaveral Air Station, FL	7	11	13
Vandenberg AFB, CA	6	8	4
Wallops Flight Facility, VA	0	3	0
White Sands Missile Range, NM	0	0	0
Kwajalein Missile Range	0	0	1
<b>By Launch Site (Commercial)</b>			
California Spaceport	0	0	0
Spaceport Florida Authority	0	1	0
Virginia Space Flight Center	0	0	0
International Sites	1	0	1 <sup>4</sup>
<b>Number of Licenses</b>			
New	8	1 <sup>5</sup>	3
Renewal	2	2	4
Amendment	6	6	18

<sup>1</sup> Includes one Lunar orbital mission: the Lunar Propector on a Lockheed Martin Athena Rocket, Jan. 6, 1998.

<sup>2</sup> GEO: Geosynchronous Earth orbit-approx. 22,300 miles above the equator.

<sup>3</sup> LEO: Low Earth Orbit- from 100-1000 nautical miles.

<sup>4</sup> Proposed Launch from Ocean Platform in the Pacific.

<sup>5</sup> License issued to Alaska Aerospace Development Corporation for the Kodiak Launch Complex.

## United States Commercial Space Launch Schedule, CY 1999

Payload (Country)/ Description	Launch Company/ Vehicle	Launch Date/ Launch Site	Status
<b>Rocsat (Republic of China)</b> Comm. Satellite	Lockheed Martin Athena-1	January 26, 1999 Cape Canaveral, FL	Successful (1/26/99)
<b>JCSAT-6 (Japan)</b> Comm. Satellite	Lockheed Martin Atlas IIAS	January 31, 1999 Cape Canaveral, FL	Successful (2/15/99)
<b>Mass Simulator (Int'l)</b> Experiment	Sea Launch Company Zenit (Ukrainian)	2 <sup>nd</sup> Quarter 1999 Pacific Ocean	Successful (3/27/99)
<b>Eutelsat W3 (Int'l)</b> Comm. Satellite	Lockheed Martin Atlas IIAS	April 12, 1999 Cape Canaveral, FL	Successful (4/21/99)
<b>Ikonos 1 (US)</b> Remote Sensing Satellite	Lockheed Martin Athena 2	April 27, 1999 Vandenberg AFB, CA	*Launched (4/27/99)
<b>Orion F3 (US)</b> Comm. Satellite	Boeing Delta 3	May 1999 Cape Canaveral, FL	**Launched (5/4/99)
<b>Terriers (US)</b> Comm. Satellite	Orbital Sciences Corp. Pegasus XL	May 18, 1999 Vandenberg AFB, CA	Successful (5/18/99)
<b>Globalstar 3 (US)</b> LEO Comm. Satellite	Boeing Delta 7420	June 10, 1999 Cape Canaveral, FL	Successful (6/10/99)
<b>Globalstar 4 (US)</b> LEO Comm. Satellite	Boeing Delta 7420	July 8, 1999 Cape Canaveral, FL	Successful (7/10/99)
<b>Globalstar 5 (US)</b> LEO Comm. Satellite	Boeing Delta 7420	July 24, 1999 Cape Canaveral, FL	Successful (7/25/99)
<b>Globalstar 6 (US)</b> LEO Comm Satellite	Boeing Delta 7420	3 <sup>rd</sup> Quarter 1999 Vandenberg AFB, CA	Successful (8/17/99)
<b>ECHOSTAR V (US)</b> Comm. Satellite	Lockheed Martin Atlas IIAS	September 22, 1999 Cape Canaveral, FL	
<b>Ikonos 2 (US)</b> Remote Sensing Satellite	Lockheed Martin Athena 2	September 24, 1999 Vandenberg AFB, CA	
<b>DIRECTV-1R (US)</b> Comm. Satellite	Boeing Delta 7420	4 <sup>th</sup> Quarter 1999 Cape Canaveral, FL	
<b>Kompsat/ACRIM (Republic of Korea)</b> Scientific Satellite	Orbital Sciences Corp. Taurus	4 <sup>th</sup> Quarter 1999 Vandenberg AFB, CA	

As of 9/17/99

Source: AST-200  
267-8308

## United States Commercial Space Launch Schedule, CY 1999

Payload (Country)/ Description	Launch Company/ Vehicle	Launch Date/ Launch Site	Status
<i>ORBCOMM IV (US)</i> LEO Comm. Satellite	<b>Orbital Sciences Corp.</b> Pegasus XL	4 <sup>th</sup> Quarter 1999 Kwajalein Missile Range	
<i>TSX-5 (US)</i> Scientific Satellite	<b>Orbital Sciences Corp.</b> Pegasus XL	4 <sup>th</sup> Quarter 1999 Vandenberg AFB, CA	
<i>Globalstar 7 (US)</i> LEO Comm. Satellite	<b>Boeing</b> Delta 7420	4 <sup>th</sup> Quarter 1999 Vandenberg AFB, CA	
<i>GBS F10 (US)</i> Comm. Satellite	<b>Lockheed Martin</b> Atlas II	3 <sup>rd</sup> Quarter 1999 Cape Canaveral, FL	

\* Athena 2 Launch: Failure of Payload Fairing to open.

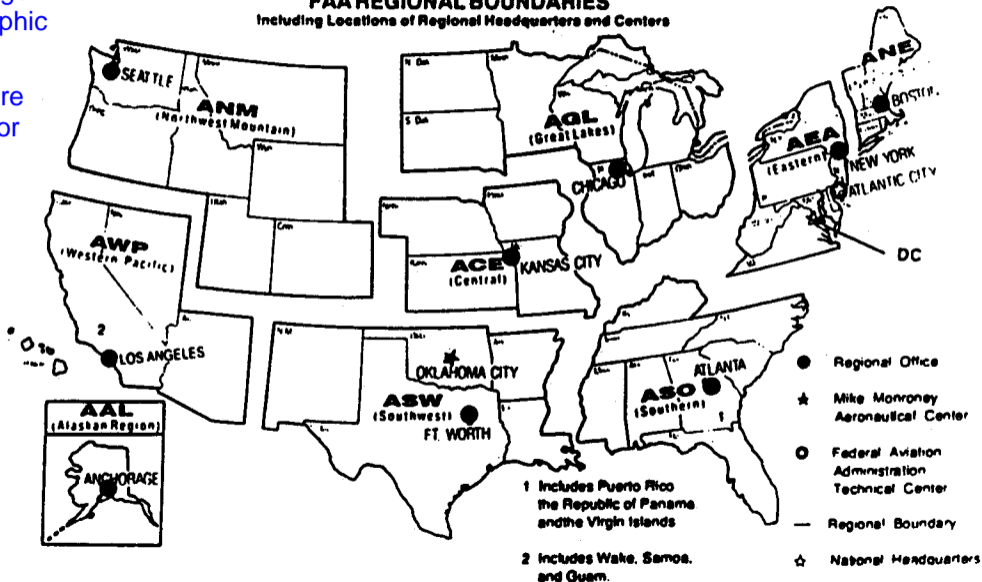
\*\* Delta III Launch: 2<sup>nd</sup> Stage Anomaly; Payload placed in wrong orbit.



[Click here to enlarge this graphic](#)

[Click Here for a color Graphic](#)

**U.S. DEPARTMENT OF TRANSPORTATION  
Federal Aviation Administration  
FAA REGIONAL BOUNDARIES**  
Including Locations of Regional Headquarters and Centers



# Major Work Force Employment

	Employment <sup>1</sup>			
	FY98	Jul-99	% Change	Actual Change
Air Traffic Controller Work Force	17,756	17,643	-0.6%	-113 as of 3/99
Operational Contollers <sup>2</sup>	17,173	17,261	0.5%	88 as of 3/99
Flight Service Stations	3,100	3,060	-1.3%	-40 as of 3/99
Field Maintenance (210-211 only)	8,338	8,092	-3.0%	-246
Security Work Force (Airport Security New Hires)	1,167 [275]	1,128	-3.3%	-39
Airports Work Force	478	468	-2.1%	-10
Research & Acquisition Work Force <sup>3</sup>	1,963	1,979	0.8%	16
Aircraft Certification	1,024	991	-3.2%	-33
Flight Standards Work Force	4,506	4,399	-2.4%	-107

<sup>1</sup> Full time permanent appointments (operations direct).

<sup>2</sup> Included in Air Traffic Controller Work Force Total.

<sup>3</sup> Includes direct operations, F&E, and R,E&D.

Source: APF-100  
267-9946

As of: 7/31/99

# FAA Resources

## FAA Employment (Permanent Employees)<sup>1</sup>

	FY 98	Jun-99
<b>Line of Business</b>		
Air Traffic Services (ATS).....	35,789	36,356
Regulation and Certification (AVR).....	5,721	6,109
Civil Aviation Security (ACS).....	1,175	1,152
Airports (ARP).....	483	480
Research and Acquisitions (ARA).....	1,899	1,908
Comm. Space Transportation (AST)....	28	31
Administration (AAD).....	3,073	NA
Staff Offices.....	631	3,734
<b>Total.....</b>	<b>48,799</b>	<b>49,770</b>
<b>Region/Center/Headquarters (included in above total)</b>		
Aeronautical Center.....	1,609	1,629
Alaskan.....	1,449	1,438
Central.....	2,528	2,508
Eastern.....	5,480	5,446
Great Lakes.....	6,149	7,111
New England.....	1,965	1,933
Northwest Mountain.....	4,270	4,269
Southern.....	7,792	7,795
Southwest.....	5,415	5,380
Western-Pacific.....	5,747	5,702
Washington Headquarters (only) <sup>2</sup> .....	3,631	3,740
Washington Headquarters Field <sup>3</sup> .....	1,794	1,840
Technical Center.....	970	979

<sup>1</sup> Full time permanent and part time permanent employees only.

<sup>2</sup> Washington Headquarters employees physically located in FOB-10A and surrounding areas (i.e. Portals, Market Square, etc.).

<sup>3</sup> Washington Headquarters employees physically located in the Field (i.e. Technical Center, Aeronautical Center, etc.)

Source: APF-100

As of: 6/30/99

267-9946

# FAA Percent Minority & Female Employment<sup>1</sup>

Lines of Business/Region/Center/Headquarters	% Minority		%Female	
	FY 98	Jun-99	FY 98	Jun-99
AirTraffic Services (ATS).....	15.93	16.11	18.63	18.72
Regulation and Certification (AVR).....	16.99	17.17	29.26	28.77
Civil Aviation Security (ACS).....	26.29	27.25	41.53	41.84
Airports (ARP).....	25.05	25.00	39.33	39.37
Research and Acquisitions (ARA).....	27.33	27.46	37.54	38.31
Commercial Space Transportation (AST).....	39.28	38.70	21.42	22.58
Administration (AAD).....	30.84	NA	52.91	NA
Staff Offices.....	35.02	31.28	52.45	52.73
<b>Total.....</b>	<b>18.04</b>	<b>18.16</b>	<b>23.97</b>	<b>23.99</b>
Aeronautical Center.....	23.79	23.75	40.84	41.31
Alaskan.....	14.07	14.74	25.94	25.86
Central.....	12.81	13.31	24.48	24.92
Eastern.....	14.68	14.76	18.83	19.05
Great Lakes.....	10.76	10.70	19.93	19.89
New England.....	8.24	8.27	21.11	21.10
Northwest Mountain.....	11.49	11.71	22.36	22.34
Southern.....	19.00	19.56	19.95	20.11
Southwest.....	19.66	19.73	20.79	20.78
Western-Pacific.....	26.83	27.58	21.03	20.79
Washington Headquarters (only) <sup>2</sup> .....	32.91	32.88	46.18	46.04
Washington Headquarters Field <sup>3</sup> .....	15.68	15.70	29.74	29.61
Technical Center.....	21.23	21.04	32.06	32.68

<sup>1</sup> Full-time permanent, and part-time permanent employees only (FTE 1111 & 1132).

<sup>2</sup> Washington Headquarters employees physically located in FOB-10A and surrounding areas (i.e. Portals, Market Square, etc.).

<sup>3</sup> Washington Headquarters employees physically located in the Field (i.e. Technical Center, Aeronautical Center, etc.).

# Labor Relations

	BARGAINING UNITS	LABOR AGREEMENTS	EMPLOYEES REPRESENTED*
<b>Unions.....</b>	<b>23</b>	<b>18</b>	<b>33,053</b>
AFGE.....	7	6	1,250
AFSCME.....	1	0	92
LIUNA.....	1	0	165
NAATS.....	1	1	2,390
NAGE.....	1	1	266
NATCA (AT).....	2	1	15,086
NATCA (AF).....	1	1	1,082
NFFE.....	2	2	1,043
PAACE.....	2	2	401
PASS (AF/EA).....	1	2	7,505
PASS (AVN).....	1	1	250
PASS (FS).....	3	1	3,523

AFGE	--American Federation of Government Employees
AFSCME	--American Federation of State, County, and Municipal Employees
LIUNA	--Laborer's International Union of North America
NAATS	--National Association of Air Traffic Specialists
NAGE	--National Association of Government Employees
NACTA	--National Air Traffic Controllers Association
NFFE	--National Federation of Federal Employees
PAACE	--Professional Association of Aeronautical Center Employees
PASS	--Professional Airway System Specialists

\* Unions Represent 66% of FAA employees

As of: 8/1/99

Source: AHL-200  
267-3375

# FAA Finances <sup>r/</sup>

## (In Millions of Dollars)

	FY 98	FY 99	FY 2000
	Actual	Est.	Est.
<b>Budget Authority</b>			
Grants-In-Aid (Obligation Limitation).....	1,700	1,660 #	1,600
Research, Engineering, & Development.....	199	150	173
Facilities and Equipment.....	1,900	2,122 1/	2,319
Operations <sup>1</sup> .....	5,253	5,586 1/	6,039
<b>Total</b> .....	<b>9,052</b>	<b>9,518</b>	<b>10,131</b>
<b>Obligations Incurred--Operations</b>			
<b>Appropriation by Budget Activity</b>			
Air Traffic Services.....	4,080	4,347	4,696 2/
Regulation and Certification.....	600	630	668 2/
Civil Aviation Security.....	115	123	145
Airports.....	48	48	50
Research and Acquisitions.....	93	75	184 2/
Commercial Space Transportation.....	6	6	7
Administration.....	260	261	0 2/
Staff Offices.....	76	82	289 2/
<b>Total</b> .....	<b>5,277 3/</b>	<b>5,573</b>	<b>6,039</b>
<b>Airport Grant Obligations (NET)</b>			
Primary Airports.....	516	520	530
States and Territories.....	315	307	296
Other Entitlements.....	158	147	151
Discretionary Fund.....	711	686	623
<b>Total</b> .....	<b>1,700</b>	<b>1,660</b>	<b>1,600</b>
<b>Total FAA Outlays</b> .....	<b>9,242</b>	<b>9,398</b>	<b>9,937</b>
<b>Trust Fund Receipts from Excise Taxes and Other Collections</b>			
Passenger Ticket Tax.....	5,455	5,933	4,857
Passenger Flight Segment Tax.....	547	1,313	1,566
Waybill Tax.....	313	519	470
Fuel Tax (GA and Commercial).....	659	1,042	833
International Departure/Arrival Tax.....	948	1,390	1,334
Rural Airports Tax.....	48	56	54
Frequent Flyer Tax.....	141	144	137
Fed. Fund Payment (F&E Y2K Supp.)	0	122	0
Interest on Investment.....	543	599	804
Aviat. User Taxes Legislative Proposal			1,496
<b>Total</b> .....	<b>8,654</b>	<b>11,118</b>	<b>11,551</b>

1/ Operations includes 28.9 million for Y2K, P.L. 105-277;  
F&E includes \$122.1 million.

2/ Reflects Administrative Function Reorganization.

3/ Includes \$23m in obligations from the FY 1997 supplemental, P.L. 104-208.

r/ Revised

Source: ABU-100  
267-3321

# FAA Facilities and Aircraft (As of December 31)

	1998	1997	1996
<b>Air Navigation Facilities</b>			
VHF Omnidirectional Radio Range <sup>1</sup> .....	977	976	1,027
Instrument Landing System-LOC <sup>1</sup> .....	1,067	1,044	1,197
Approach Light System.....	108	106	108
Runway End Identification Light.....	761	753	732
Runway Visual Range Equipment.....	363	417	533
Visual Approach Slope Indicator.....	1,257	1,273	1,308
<b>Air Traffic Control Facilities</b>			
Air Route Traffic Control Center.....	21	21	21
Airport Traffic Control Tower.....	467	462	476
Automated Radar Terminal System.....	194	197	195
Flight Service Station.....	76	77	94
Airport Surveillance Radar-Terminal.....	233	232	228
Air Route Surveillance Radar-Enroute.....	125	123	118
Remote Center Air-Ground Facilit <sup>1</sup> .....	714	742	701
Remote Communications Outlet.....	1,716	1,702	1,726
Direction Finder Equipment.....	139	143	202
<b>FAA Aircraft*</b> .....	<b>48</b>	<b>48</b>	<b>44</b>

<sup>1</sup>Includes Commissioned and Tested

Source: AOP-200  
267-3266  
AFP-100\*  
405-954-6233

As of: 12/31/98

# FAA Officials

## Washington Headquarters

Routing Symbol	Officials
AOA	<b>Administrator</b> <b>Jane F. Garvey, 267-3111</b> Carl Burleson, Chief of Staff, 267-3111
ADA*	<b>Deputy Administrator</b> <b>Monte R. Belger (Actg.), 267-8111</b> Shirley S. Miller (Actg.), Executive Assistant, 267-8111
AOZ	<i>Free Flight Phase 1</i> <i>Director, Charles E. Keegan, 220-3300</i>
AIO	<b>Assistant Administrator for Information Services</b> <b>Daniel J. Mehan, CIO, 493-4570</b> Deputy, Arthur Pyster, 493-4570
ASY	<b>Assistant Administrator for System Safety</b> <b>Christopher A. Hart, 267-3611</b> Deputy, Barry Bermingham, 267-3611
AGC	<b>Chief Counsel</b> <b>Nicholas G. Garaufis, 267-3222</b> Deputy, James Whitlow, 267-3773
ACR	<b>Assistant Administrator for Civil Rights</b> <b>Fanny Rivera, 267-3254</b> Deputy, Barbara A. Edwards, 267-3264
AGI	<b>Asst. Administrator for Government &amp; Industry Affairs</b> <b>Suzanne Sullivan, 267-3277</b> Deputy, Robert Wrigley, 267-8211
APA	<b>Assistant Administrator for Public Affairs</b> <b>Eliot Brenner, 267-3883</b> Deputy, Drucella A. Andersen, 267-3462
API	<b>Asst. Administrator for Policy, Planning, and Intl. Aviat.</b> <b>David Traynham, 267-3033</b> Deputy, Patricia A. McNall (Actg.), 267-3927
APO	<i>Office of Aviation Policy and Plans</i> <i>Director, John M. Rodgers, 267-3274</i>
AEE	<i>Office of Environment and Energy</i> <i>Director, James D. Erickson, 267-3576</i>
AIA	<i>Office of International Aviation</i> <i>Director, Joan W. Bauerlein, 267-8112</i>
ARC	<b>Assistant Administrator for Region/Center Operations</b> <b>Ruth Leverenz, 817-222-5002 / 202-267-7369</b>

\* Updated this issue

As of: 9/1/99



# FAA Officials

## Washington Headquarters--(Cont)

Routing Symbol	Officials
<b>ABA*</b>	<b>Assistant Administrator for Financial Services</b> <b>Donna R. McLean, CFO, 267-9105</b> Deputy, John F. Hennigan, 267-8928
<b>ABU</b>	<i>Office of Budget</i> Director, J. Brian Riley, 267-8010
<b>AFM</b>	<i>Office of Financial Management</i> Director, Patrick J. Heidenthal (Actg.), 267-7112
<b>APF</b>	<i>Office of Performance Management</i> Director, Larry Covington, 267-7140
<b>AHR</b>	<b>Assistant Administrator for Human Resource Management</b> <b>Glenda Tate, 267-3456</b> Deputy, Mary Ellen Dix, 267-3850
<b>AHP</b>	<i>Office of Personnel</i> Director, Roger M. Edwards, 267-3850
<b>AHL</b>	<i>Office of Labor &amp; Employee Relations</i> Director, Raymond B. Thoman, 267-3979
<b>AHT*</b>	<i>Office of Learning and Development</i> Director, Vacant, 267-9041
<b>AHM</b>	<i>Center for Management Development</i> Director, Woodie Woodward, 904-446-7136
<b>AST</b>	<b>Assoc. Adm. for Commercial Space Transportation</b> <b>Patricia Grace Smith, 267-7793</b> Deputy, Joseph A. Hawkins, 267-7848
<b>ARP*</b>	<b>Associate Administrator for Airports</b> <b>Louise E. Maillett (Actg.), 267-9471</b> Deputy, Paul L. Galis, 267-8738
<b>APP*</b>	<i>Office of Airport Planning &amp; Programming</i> Director, Catherine M. Lang, 267-8775
<b>AAS</b>	<i>Office of Airport Safety and Standards</i> Director, David L. Bennett, 267-3053
<b>ACS</b>	<b>Associate Administrator for Civil Aviation Security</b> <b>Cathal L. Flynn, 267-9863</b> Deputy, William S. Davis, 267-3969
<b>ACI</b>	<i>Office of Civil Aviation Security Intelligence</i> Director, Patrick T. McDonnell, 267-9075
<b>ACO</b>	<i>Office of Civil Aviation Security Operations</i> Director, Bruce R. Butterworth, 267-8537
<b>ACP</b>	<i>Office of Civil Aviation Security Policy and Planning</i> Director, Quinten Johnson (Actg.), 267-8058
<b>AVR</b>	<b>Associate Administrator for Regulation &amp; Certification</b> <b>Thomas E. McSweeny, 267-3131</b> Deputy, Peggy Gilligan, 267-7804

# FAA Officials

## Washington Headquarters--(Cont.)

Routing Symbol	Officials
AAI	Office of Accident Investigation Director, Harold W. Donner (Actg.), 267-9612
AIR	Aircraft Certification Service Director, Elizabeth Erickson, 267-8235
AAM	Office of Aviation Medicine Director, Jon L. Jordon, MD, 267-3535
AFS	Flight Standards Service Director, L. Nick Lacey, 267-8237
ARM	Office of Rulemaking Director, Anthony F. Fazio, 267-9677
ATS*	<b>Associate Administrator for Air Traffic Services</b> <b>Steven J. Brown (Actg.), 267-7111</b> Deputy, Peter H. Challan, 267-3133
AAT	Air Traffic Service Director, Ronald E. Morgan, 267-3666
AAF	Airway Facilities Service Director, Stanley Rivers, 267-8181
ASC	Office of System Capacity and Requirements Director, Paula R. Lewis, 267-7370
ATQ	Independent Operational Test and Evaluation Director, A. Martin Phillips, 267-3341
ARS	Air Traffic System Requirements Service Director, James H. Washington, 493-0248
ARA	<b>Associate Administrator for Research and Acquisitions</b> <b>Steven Zaidman, 267-7222</b> Deputy, Dennis DeGaetano, 267-7222
ASU	Office of Acquisitions Director, Gilbert B. Devey, 267-8513
AUA*	Office of Air Traffic Systems Development Director, William Voss, 493-0237
AAR	Office of Aviation Research Director, Herman Rediess, Ph.D., 358-5236
AND*	Office of Communications, Navigation, & Surveillance Sys. Director, Daniel P. Salvano (Actg.), 267-3555
ASD	Office of System Architecture and Investment Analysis Director, John A. Scardina, 358-5238
ABZ*	Office of Business Management Director, Lauraline Gregory, 267-3616

Duty Officer

(202) 267-3333

# FAA Officials

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## Major Field Organizations

Routing Symbol	Officials
<b>AAL</b> .....	<b>Alaskan Region, Regional Administrator</b> <b>Patrick N. Poe, 907-271-5645</b> 222 West 7th Avenue, Box 14 Anchorage, Alaska 99513-7587 Duty Officer, 907-271-5936
<b>ACE</b> .....	<b>Central Region, Regional Administrator</b> <b>John E. Turner, 816-329-3050</b> 901 Locust Kansas City, Missouri 64106 Duty Officer, 816-329-3000
<b>ACT</b> .....	<b>William J. Hughes Technical Center, Director</b> <b>Anne Harlan, 609-485-6641</b> Atlantic City International Airport New Jersey 08405 Duty Officer, 609-485-6482
<b>AEA</b> .....	<b>Eastern Region, Regional Administrator</b> <b>Arlene B. Feldman, 718-553-3000</b> Fitzgerald Federal Building, JFK International Airport Jamaica, New York 11430 Duty Officer, 718-553-3100
<b>AGL</b> .....	<b>Great Lakes Region, Regional Administrator</b> <b>Cecelia Hunziker, 847-294-7294</b> 2300 East Devon Avenue Des Plaines, Illinois 60018 Duty Officer, 847-294-8400
<b>AMC</b> .....	<b>Mike Monroney Aeronautical Center, Director</b> <b>Lindy Ritz, 405-954-4521</b> 6500 South MacArthur Oklahoma City, Oklahoma 73125 Duty Officer, 405-954-3583

# FAA Officials

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## Major Field Organizations--(Cont.)

Routing Symbol	Officials
<b>ANE</b> .....	<b>New England Region, Regional Administrator</b> <b>Robert S. Bartanowicz, 781-238-7020</b> 12 New England Executive Park Burlington, Massachusetts 01803 Duty Officer, 781-238-7001
<b>ANM</b> .....	<b>Northwest Mountain Region, Regional Administrator</b> <b>Larry Andriesen, 425-227-2001</b> 1601 Lind Avenue, S.W. Renton, Washington 98055-4056 Duty Officer, 425-227-2000
<b>ASO</b> .....	<b>Southern Region, Regional Administrator</b> <b>Carolyn Blum, 404-305-5000</b> 1701 Columbia Avenue College Park, Georgia 30337 Duty Officer, 404-305-5180
<b>ASW</b> .....	<b>Southwest Region, Regional Administrator</b> <b>Clyde M. DeHart, Jr., 817-222-5001</b> 2601 Meacham Blvd. Ft. Worth, Texas 76137-4298 Duty Officer, 817-222-5006
<b>AWP</b> .....	<b>Western-Pacific Region, Regional Administrator</b> <b>William C. Withycombe, 310-725-3550</b> 15000 Aviation Boulevard Hawthorne, California 90261 Duty Officer, 310-725-3300

# FAA Officials

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## International Area Offices

Routing Symbol

Officials

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**AEU** ..... **Europe, Africa, & Middle East Area Office, Director**

**Lynne A. Osmus, 011.32.2.508.2700**

American Embassy, Brussels

PSC 82 Box 002

APO AE 09724-1011

**ALC** ..... **Latin America & Caribbean Area Office, Director**

**Joaquin Archilla, 305-716-3300**

8600 NW 36th Street

Miami, FL 33166

**APC** ..... **Asia-Pacific Area Office, Director**

**Eugene Ross Hamory, 011.65.543.1466**

American Embassy

27 Napier Road

Singapore 258508

# FAA STRATEGIC PLAN

## SAFETY

**GOAL:** *By 2007, reduce U.S. aviation fatal accident rates by 80% from 1996 levels.*

### **Outcome Measures:**

*Fatal Aircraft Accident Rate:* By 2007, reduce the U.S. aviation fatal accident rate per aircraft departure, as measured by a three-year moving average, by 80 percent from the three-year average of 1994-96.

*Overall Aircraft Accident Rate:* Reduce the rate per aircraft departure.

*Fatalities and Losses by Type of Accident:* Reduce the number and type of fatalities and losses from accidents that occur for each major type of accident.

*Occupant Risk:* Reduce the risk of mortality to a passenger or flight crew member on a typical flight.

### **Strategic Focus Areas:**

*Regulatory Reform:* Implement a regulatory process that is timely, responsive, and consistently applied.

*Safety information Sharing and Analysis:* Develop partnerships with the aviation community to share data and information supporting safe, secure aviation.

*Surveillance/Inspection:* Develop new approaches to working with others on inspection and surveillance and targeting FAA resources where they will do the most good.

*Accident Prevention:* Based on detailed root cause analysis, prevent accidents before they happen through appropriate, targeted, systematic interventions in the aviation system.

## **Security**

**GOAL: Prevent security incidents in the aviation system.**

### **Outcome Measures:**

*Explosive Device and Weapons Detection:* Increase ability to detect improvised explosive devices (through use of simulants) and weapons with no significant increase in operational impact - in checked and carry-on baggage and on the person.

*Compliance with Security Requirements:* Increase as measured by compliance audits.

*Risk and Vulnerability at Airports and Airway Facilities:* Reduce as measured by risk assessments.

### **Strategic Focus Areas:**

*New Security Baseline:* Continue to improve the baseline security system for civil aviation.

*Performance and Procedures:* Maximize the performance capability of people working in security for air carriers and airport operators and at FAA facilities.

*Information Security Architecture:* Develop a systematic information security architecture that describes the future NAS information security system FAA will build toward.

## SYSTEM EFFICIENCY

***GOAL:*** Provide an aerospace transportation system that meets the needs of users and is efficient in the application of FAA and aerospace resources.

### ***Outcome Measures:***

*System Flexibility:* Reduce total number of published ATC preferential routes by 7%.

*User Access:* Reduce the average call waiting times for Automated Flight Service Stations (AFSS) by 20%.

*System Delays:* Reduce the rates of volume and equipment related delays by 20%.

### ***Strategic Focus Areas:***

*NAS Modernization:* Using the NAS Architecture as the guideline, continually refine and update the NAS to achieve efficient aerospace systems and operations.

*Free Flight:* Within safety consideration, work toward giving aircraft the opportunity to fly in the way that gives them the most benefit as they define it.

*Systems Integration:* Integrate airport and commercial space requirements into NAS planning and architecture.



## **ENABLING GOALS:**

### **People: The Foundation of Accomplishment**

Provide a model work environment supporting the productive, diverse, and highly skilled workforce needed to carry out the FAA mission into the twenty-first century. To accomplish this, FAA will focus on:

*Intellectual Capital*

*Managing the Diverse Work Force*

*Quality of Work Life*

### **Reform: The Framework for Accomplishment**

Fundamentally change the way the FAA operates by implementing personnel and acquisition reform and pursuing financial reform. FAA will focus on:

*Acquisition Reform*

*Personnel Reform*

*Financial Reform*

### **The Environment: Our Responsibility**

Address what may represent the single greatest challenge to the continued growth and prosperity of civil aerospace as we enter the twenty first century, focusing on:

*Understanding Aerospace Environmental Impacts*

*Reducing Aerospace Environmental Impacts of FAA Activities*

*Quantify and Mitigate Environmental Impacts of FAA Activities*

### **Global Leadership: Commitment to Worldwide Improvements**

*Improve safety, security and system efficiency globally through:*

*International Safety Oversight*

*Global Safety Action Plan*

*Global CNS/ATM Development and Implementation*

*International Regulatory Harmonization*

# ***FAA VALUES***

## ***We Believe in***

- ☆ *Trust*
- ☆ *Integrity*
- ☆ *Honesty*
- ☆ *Involvement*
- ☆ *Teamwork*
- ☆ *Diversity*
- ☆ *Respect*

## ***We Are Committed To***

- ☆ *Responsiveness*
- ☆ *Quality*
- ☆ *Timeliness*
- ☆ *Fiscal Responsibility*
- ☆ *Accountability*
- ☆ *Communication*

## ***We Will Achieve These Values By***

- ☆ *Giving people what they need, then letting them do their jobs.*
- ☆ *Making timely decisions at the lowest level and respecting them.*
- ☆ *Committing our best to our customers.*
- ☆ *Valuing our people.*
- ☆ *Being open to new ideas.*
- ☆ *Speaking out for what we believe, even when it is unpopular.*
- ☆ *Recognizing each person's contributions and realizing each person's full potential.*
- ☆ *Collaborating across organizations.*
- ☆ *Taking pride in what we do.*