



Appendix E
Federal Aviation Administration Review



Tables E-1 through E-3 include data provided for internal FAA review. Data are presented in templates provided in the document *Forecasting Aviation Activity By Airport*.¹

¹ GRA, Incorporated, *Forecasting Aviation Activity By Airport*, July 2001.

Table E-1 (1 of 2): FAA Forecast Summary

BASE YEAR: 2015	A. FORECAST LEVELS AND GROWTH RATES					AVERAGE ANNUAL COMPOUND GROWTH RATES			
	BASE YEAR LEVEL	BASE YEAR + 1 YEAR	BASE YEAR + 5 YEARS	BASE YEAR + 10 YEARS	BASE YEAR + 15 YEARS	BASE YEAR TO +1	BASE YEAR TO +5	BASE YEAR TO +10	BASE YEAR TO +15
PASSENGER ENPLANEMENTS									
Air Carrier	13,034,774	14,117,086	16,196,223	18,122,455	20,098,901	8.3%	4.4%	3.4%	2.9%
Commuter ^{1/}	179,695	178,290	197,006	204,161	211,316	-0.8%	1.9%	1.3%	1.1%
Total Enplanements	13,214,469	14,295,376	16,393,229	18,326,616	20,310,217	8.2%	4.4%	3.3%	2.9%
OPERATIONS									
Itinerant									
Air Carrier (incl. Air Cargo)	198,668	217,311	247,129	271,970	295,793	9.4%	4.5%	3.2%	2.7%
Commuter/Air Taxi	37,951	35,863	36,458	35,601	37,217	-5.5%	-0.8%	-0.6%	-0.1%
Total Commercial Operations	236,619	253,174	283,587	307,571	333,010	7.0%	3.7%	2.7%	2.3%
General Aviation	37,704	37,890	38,541	39,408	40,341	0.5%	0.4%	0.4%	0.5%
Military	431	431	431	431	431	0.0%	0.0%	0.0%	0.0%
Local									
General Aviation	0	0	0	0	0	-	-	-	-
Military	0	0	0	0	0	-	-	-	-
Total Operations	274,754	291,495	322,559	347,410	373,782	6.1%	3.3%	2.4%	2.1%
Instrument Operations	259,926	275,763	305,151	328,660	353,620	6.1%	3.3%	2.4%	2.1%
Peak Hour Operations	57	60	67	72	78	5.3%	3.3%	2.4%	2.1%

Table E-1 (2 of 2): FAA Forecast Summary

BASE YEAR: 2015	A. FORECAST LEVELS AND GROWTH RATES					AVERAGE ANNUAL COMPOUND GROWTH RATES			
	BASE YEAR LEVEL	BASE YEAR + 1 YEAR	BASE YEAR + 5 YEARS	BASE YEAR + 10 YEARS	BASE YEAR + 15 YEARS	BASE YEAR TO +1	BASE YEAR TO +5	BASE YEAR TO +10	BASE YEAR TO +15
CARGO									
Cargo/mail (tons) ^{2/}	81,322	82,062	86,438	88,916	90,544	0.9%	1.2%	0.9%	0.7%
BASED AIRCRAFT									
Single Engine (Nonjet)	12	12	12	12	12	0.0%	0.0%	0.0%	0.0%
Multi Engine (Nonjet)	22	22	22	22	22	0.0%	0.0%	0.0%	0.0%
Jet Engine	54	54	54	54	54	0.0%	0.0%	0.0%	0.0%
Helicopter	6	6	6	6	6	0.0%	0.0%	0.0%	0.0%
Other	0	0	0	0	0	0.0%	0.0%	0.0%	0.0%
Total	94	94	94	94	94	0.0%	0.0%	0.0%	0.0%
B. OPERATIONAL FACTORS									
Average aircraft size (seats)									
Air carrier	154.6	155.6	156.8	157.5	158.3				
Commuter	34.0	31.5	31.5	29.0	26.5				
Average enplaning load factor									
Air carrier	85.7%	84.6%	84.7%	85.8%	86.9%				
Commuter	63.0%	63.0%	64.0%	64.5%	65.0%				
General aviation operations per based aircraft									
	531	534	543	555	568				

NOTES:

1/ Commuter as defined by FAA. Commuter operations include takeoff and landings by aircraft with 60 or fewer seats that transport regional passengers on scheduled commercial flights.

2/ Cargo/mail in total U.S. tons (enplaned and deplaned).

SOURCES: Federal Aviation Administration (Template); Broward County Aviation Department; Federal Aviation Administration, Air Traffic Activity Data System (ATADS); U.S. Department of Transportation, Form T-100 (Historical), March 2016; Ricondo & Associates, Inc. (Forecast), March 2016.

PREPARED BY: Ricondo & Associates, Inc., March 2016.

Table E-2 (1 of 2): FAA Forecast Summary (Accelerated Baseline)

BASE YEAR: 2015	A. FORECAST LEVELS AND GROWTH RATES					AVERAGE ANNUAL COMPOUND GROWTH RATES			
	BASE YEAR LEVEL	BASE YEAR + 1 YEAR	BASE YEAR + 5 YEARS	BASE YEAR + 10 YEARS	BASE YEAR + 15 YEARS	BASE YEAR TO +1	BASE YEAR TO +5	BASE YEAR TO +10	BASE YEAR TO +15
PASSENGER ENPLANEMENTS									
Air Carrier	13,034,774	14,398,694	18,191,978	20,796,026	23,478,859	10.5%	6.9%	4.8%	4.0%
Commuter ^{1/}	179,695	180,718	179,763	158,577	144,905	0.6%	0.0%	-1.2%	-1.4%
Total Enplanements	13,214,469	14,579,412	18,371,741	20,954,603	23,623,764	10.3%	6.8%	4.7%	3.9%
OPERATIONS									
Itinerant									
Air Carrier (incl. Air Cargo)	198,668	218,390	272,848	304,491	335,327	9.9%	6.6%	4.4%	3.6%
Commuter/Air Taxi	37,951	35,954	34,748	33,111	33,713	-5.3%	-1.7%	-1.4%	-0.8%
Total Commercial Operations	236,619	254,344	307,596	337,602	369,040	7.5%	5.4%	3.6%	3.0%
General Aviation	37,704	37,890	38,541	39,408	40,341	0.5%	0.4%	0.4%	0.5%
Military	431	431	431	431	431	0.0%	0.0%	0.0%	0.0%
Local									
General Aviation	0	0	0	0	0	-	-	-	-
Military	0	0	0	0	0	-	-	-	-
Total Operations	274,754	292,665	346,568	377,441	409,812	6.5%	4.8%	3.2%	2.7%
Instrument Operations	259,926	276,870	327,865	357,072	387,695	6.5%	4.8%	3.2%	2.7%
Peak Hour Operations	57	60	75	81	88	5.3%	5.6%	3.6%	2.9%

Table E-2 (2 of 2): FAA Forecast Summary (Accelerated Baseline)

BASE YEAR: 2015	A. FORECAST LEVELS AND GROWTH RATES					AVERAGE ANNUAL COMPOUND GROWTH RATES			
	BASE YEAR LEVEL	BASE YEAR + 1 YEAR	BASE YEAR + 5 YEARS	BASE YEAR + 10 YEARS	BASE YEAR + 15 YEARS	BASE YEAR TO +1	BASE YEAR TO +5	BASE YEAR TO +10	BASE YEAR TO +15
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Helicopter	6	6	6	6	6	0.0%	0.0%	0.0%	0.0%
Other	0	0	0	0	0	0.0%	0.0%	0.0%	0.0%
Total	94	94	94	94	94	0.0%	0.0%	0.0%	0.0%
B. OPERATIONAL FACTORS									
Average aircraft size (seats)									
Air carrier	154.6	157.1	159.4	162.2	165.1				
Commuter	34.0	31.5	31.5	29.0	26.5				
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Air carrier	85.7%	85.4%	84.8%	85.1%	85.5%				
Commuter	63.0%	63.0%	64.0%	64.5%	65.0%				
General aviation operations per based aircraft									
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NOTES:

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SOURCES: Federal Aviation Administration (Template); Broward County Aviation Department; Federal Aviation Administration, Air Traffic Activity Data System (ATADS); U.S. Department of Transportation, Form T-100 (Historical), March 2016; Ricondo & Associates, Inc. (Forecast), March 2016.

PREPARED BY: Ricondo & Associates, Inc., March 2016.

Table E-3: FAA TAF Comparison

	FISCAL YEAR	BASELINE FORECASTS	FAA TAF	BASELINE VS. TAF (% DIFFERENCE)	ACCELERATED BASELINE FORECASTS	ACCELERATED BASELINE VS. TAF (% DIFFERENCE)
Passenger Enplanements						
Base year	2015	13,214,469	12,760,232	3.6%	13,214,469	3.6%
Base year + 5 years	2020	16,393,229	15,219,539	7.7%	18,371,741	20.7%
Base year + 10 years	2025	18,326,616	17,034,391	7.6%	20,954,603	23.0%
Base year + 15 years	2030	20,310,217	18,894,322	7.5%	23,623,764	25.0%
Commercial Operations						
Base year	2015	236,619	234,899	0.7%	236,619	0.7%
Base year + 5 years	2020	283,587	263,393	7.7%	307,596	16.8%
Base year + 10 years	2025	307,570	289,643	6.2%	337,602	16.6%
Base year + 15 years	2030	333,021	318,118	4.7%	369,040	16.0%
Total Operations						
Base year	2015	274,754	270,540	1.6%	274,754	1.6%
Base year + 5 years	2020	322,559	299,564	7.7%	346,568	15.7%
Base year + 10 years	2025	347,409	326,352	6.5%	377,441	15.7%
Base year + 15 years	2030	373,793	355,374	5.2%	409,812	15.3%

NOTE: Year = Fiscal Year (October–September).

FAA TAF excludes nonrevenue passengers.

SOURCES: Federal Aviation Administration (Template); Broward County Aviation Department; Federal Aviation Administration, Air Traffic Activity Data System (ATADS); U.S. Department of Transportation, Form T-100 (Historical), March 2016; Ricondo & Associates, Inc. (Forecast), March 2016.

PREPARED BY: Ricondo & Associates, Inc., March 2016.