

Appendix F – Critical Aircraft Determination

Table F-1
Current Critical Aircraft Determination

Aircraft	AAC	ADG	2021
H25A - BAe HS 125-1/2/3/400/600	C	I	2
H25B - BAe HS 125/700-800/Hawker 800	C	I	532
HAWK - BAe Systems Hawk	C	I	26
LJ31 - Bombardier Learjet 31/A/B	C	I	130
LJ40 - Learjet 40; Gates Learjet	C	I	106
LJ45 - Bombardier Learjet 45	C	I	194
LJ55 - Bombardier Learjet 55	C	I	6
LJ60 - Bombardier Learjet 60	C	I	272
WW24 - IAI 1124 Westwind	C	I	12
ASTR - IAI Astra 1125	C	II	8
Bombardier CRJ550	C	II	705
Canadair RJ-200ER /RJ-440	C	II	3419
Canadair RJ-700	C	II	1160
CL30 - Bombardier (Canadair) Challenger 300	C	II	226
CL35 - Bombardier Challenger 300	C	II	482
CL60 - Bombardier Challenger 600/601/604	C	II	498
E135 - Embraer ERJ 135/140/Legacy	C	II	62
E145 - Embraer ERJ-145	C	II	908
E35L - Embraer 135 LR	C	II	40
Embraer-145	C	II	3886
G150 - Gulfstream G150	C	II	16
G280 - Gulfstream G280	C	II	30
GALX - IAI 1126 Galaxy/Gulfstream G200	C	II	36
GLF3 - Gulfstream III/G300	C	II	2
LJ70 - Learjet 70	C	II	4
LJ75 - Learjet 75	C	II	108
A220	C	III	0
Airbus Industrie A319	C	III	234
Airbus Industrie A320-100/200	C	III	1307
B722 - Boeing 727-200	C	III	2

Aircraft	AAC	ADG	2021
B732 - Boeing 737-200/VC96	C	III	12
B735 - Boeing 737-500	C	III	2
B737	C	III	0
Boeing 717-200	C	III	840
Boeing 737-100/200	C	III	5
Boeing 737-300	C	III	8
Boeing 737-400	C	III	12
Canadair CRJ 900	C	III	1693
DC91 - Boeing (Douglas) DC 9-10	C	III	4
DC93 - Boeing (Douglas) DC 9-30	C	III	2
Embraer ERJ-175	C	III	3808
Embraer-Emb-170	C	III	71
GL5T - Bombardier BD-700 Global 5000	C	III	54
GLEX - Bombardier BD-700 Global Express	C	III	118
McDonnell Douglas DC9 Super 80/MD81/82/83/88	C	III	1
P3 - Lockheed P-3C Orion	C	III	2
Boeing 757-200	C	IV	9
C130 - Lockheed 130 Hercules	C	IV	4
C30J - C-130J Hercules; Lockheed	C	IV	6
F18S - F18 Hornet	D	I	2
LJ35 - Bombardier Learjet 35/36	D	I	96
GLF4 - Gulfstream IV/G400	D	II	268
Boeing 737-800	D	III	125
Boeing 737-900ER	D	III	4
GLF5 - Gulfstream V/G500	D	III	130
GLF6 - Gulfstream	D	III	128
P8 - Boeing P-8 Poseidon	D	III	2
Boeing 757-300	D	IV	1
Total C	-	-	21,064
Total D	-	-	756

Source: FAA Traffic Flow Management System Counts (TFMSC), Bureau of Transportation Statistics (T-100 Data), GARAA, CHA, 2022.

Table F-2
Future Critical Aircraft Determination

Aircraft	AAC	ADG	2026	2031	2036	2041
H25A - BAe HS 125-1/2/3/400/600	C	I	8	8	8	9
H25B - BAe HS 125/700-800/Hawker 800	C	I	1,580	1,637	1,684	1,728
HAWK - BAe Systems Hawk	C	I	87	87	87	87
LJ31 - Bombardier Learjet 31/A/B	C	I	365	378	389	400
LJ40 - Learjet 40; Gates Learjet	C	I	294	304	313	321
LJ45 - Bombardier Learjet 45	C	I	572	592	609	626
LJ55 - Bombardier Learjet 55	C	I	8	8	8	9
LJ60 - Bombardier Learjet 60	C	I	619	641	659	678
WW24 - IAI 1124 Westwind	C	I	48	49	51	52
Bombardier CRJ550	C	II	881	982	1,050	1,108
Canadair RJ-200ER /RJ-440	C	II	4,277	4,766	5,095	5,377
Canadair RJ-700	C	II	1,450	1,616	1,727	1,823
CL30 - Bombardier (Canadair) Challenger 300	C	II	691	715	735	756
CL35 - Bombardier Challenger 300	C	II	1,715	1,776	1,826	1,877
CL60 - Bombardier Challenger 600/601/604	C	II	888	920	945	971
E135 - Embraer ERJ 135/140/Legacy	C	II	127	132	135	139
E35L - Embraer 135 LR	C	II	56	58	59	61
Embraer-135	C	II	10	10	10	10
Embraer-145	C	II	2,435	6	6	6
G150 - Gulfstream G150	C	II	48	49	51	52
G280 - Gulfstream G280	C	II	71	74	76	78
GALX - IAI 1126 Galaxy/Gulfstream G200	C	II	93	96	99	101
GLF3 - Gulfstream III/G300	C	II	8	8	8	9
LJ70 - Learjet 70	C	II	16	16	17	17
LJ75 - Learjet 75	C	II	230	238	245	252
A220	C	III	1,050	1,170	1,251	1,320
Airbus Industrie A319	C	III	236	261	279	294
Airbus Industrie A320-100/200	C	III	1,619	1,804	1,928	2,033
B737	C	III	2,428	5,413	5,786	6,107
Boeing 717-200	C	III	4	4	4	4
Boeing 727-200/231A	C	III	72	72	72	72
Boeing 737-100/200	C	III	20	21	21	22

Aircraft	AAC	ADG	2026	2031	2036	2041
Boeing 737-300	C	III	18	19	20	21
Boeing 737-400	C	III	23	25	26	27
Canadair CRJ 900	C	III	2,116	2,358	2,521	2,661
Embraer ERJ-175	C	III	4,759	5,304	5,670	5,984
Embraer-Emb-170	C	III	89	99	106	112
GL5T - Bombardier BD-700 Global 5000	C	III	143	148	152	156
GLEX - Bombardier BD-700 Global Express	C	III	388	402	413	424
McDonnell Douglas DC9 Super 80/ MD81/82/83/88	C	III	3	3	3	4
McDonnell Douglas DC-9-15F	C	III	28	28	28	28
McDonnell Douglas DC-9-30	C	III	4	4	4	4
P3 - Lockheed P-3C Orion	C	III	7	7	7	7
Airbus Industrie A300-B2	C	IV	2	2	2	2
Boeing 757-200	C	IV	25	27	27	28
C130 - Lockheed 130 Hercules	C	IV	14	14	14	14
C30J - C-130J Hercules ; Lockheed	C	IV	20	20	20	20
F18S - F18 Hornet	D	I	6	6	6	6
LJ35 - Bombardier Learjet 35/36	D	I	103	106	109	125
GLF4 - Gulfstream IV/G400	D	II	630	653	671	689
Gulfstream Aerospace G-III/G-IV	D	II	8	8	8	8
Boeing 737-800	D	III	246	271	288	302
Boeing 737-900ER	D	III	26	28	30	31
GLF5 - Gulfstream V/G500	D	III	363	374	383	392
GLF6 - Gulfstream	D	III	425	440	452	452
P8 - Boeing P-8 Poseidon	D	III	7	7	7	7
Boeing 757-300	D	IV	3	3	3	4
Total C	-	-	29,645	32,371	34,246	35,891
Total D	-	-	1,817	1,896	1,957	2,016

Source: FAA Traffic Flow Management System Counts (TFMSC), Bureau of Transportation Statistics (T-100 Data), GARAA, CHA, 2022.