



APPENDIX J SAMPLE SPREADSHEET FOR APPLICATION OF THE FAA'S AREA EQUIVALENT METHOD



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As discussed in Section 9.7, the FAA’s “Area Equivalent Method” is a screening tool that can serve as one test for determining when operations have changed enough to trigger a Noise Exposure Map update. The consulting team will provide CAK with an electronic version of a spreadsheet that addresses this requirement, as illustrated in the following printed format.

To illustrate the use of this tool, the consulting team populated a version of it with operations data for 2014 and 2019 (from Table 6 and Table 7, respectively), to represent the “base case” and “alternative case” in the analysis.

Appendix J.1 presents the AEM populated with CAK data for 2014 and 2019.

Appendix J.2 presents a type data available in the current version of the AEM.

Appendix J.3 presents FAA’s recommended aircraft types to substitute for models that operate at the airport but that the database does not include.



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J.1 Completed AEM for 2014 (Base Case”) and 2019 (“Alternative Case”)



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Federal Aviation Administration
Office of Environment and Energy

10/20/2014

Area Equivalent Method (AEM) Version 7.0(c)

Airport Name/Code: Akron-Canton Airport

DNL (dBA)	Baseline Area (Sq. Mi.)	Alternative Area (Sq. Mi.)	Change in Area (Sq. Mi.)
65	1.5	1.6	7.1%

Aircraft Type	BASE Case		ALTERNATIVE Case	
	Daytime LTO Cycles	Nighttime LTO Cycles	Daytime LTO Cycles	Nighttime LTO Cycles
707				
720				
737				
707120				
707320				
717200	10.67	3.06	11.62	3.33
727100				
727200				
737300				
737400				
737500				
737700	6.18	1.77	9.14	2.62
737800	0.50	0.14	0.73	0.21
747100				
747200				
747400				
757300				
767300				
767400				
777200				
777300				
1900D	0.10		0.15	0.05
707QN				
720B				
727D15				
727D17				
727EM1				
727EM2				
727Q15				
727Q7				
727Q9				
727QF				
7373B2	1.86	0.54	2.76	0.79
737D17				

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Aircraft Type	BASE Case		ALTERNATIVE Case	
	Daytime LTO Cycles	Nighttime LTO Cycles	Daytime LTO Cycles	Nighttime LTO Cycles
737N17				
737N9				
737QN				
74710Q				
74720A				
74720B				
747SP				
757PW				
757RR				
767CF6				
767JT9				
A300B4-203				
A300-622R				
A310-304				
A319-131				
A320-211	3.33	0.96	3.63	1.04
A320-232				
A321-232				
A330-301				
A330-343				
A340-211				
A340-642				
A380-841				
A380-861				
A7D				
BAC111				
BAE146				
BAE300				
BEC58P	7.90	3.30	9.18	3.34
C130				
C130E			0.07	
CIT3	1.20	0.10	1.23	0.09
CL600	8.13	0.51	8.43	0.60
CL601	21.80	6.30	8.05	2.39
CNA172	1.48	0.10	2.44	0.10
CNA206	1.29	0.13	2.21	0.10
CNA182	1.51	0.11	2.55	0.11
CNA182FLT				
CNA208	10.69	3.41	10.92	3.50
CNA20T				
CNA441	3.94	1.22	4.11	1.36
CNA500	4.24	0.30	4.37	0.31
CNA510	0.71	0.05	0.72	0.05
CNA525C	6.69	0.54	6.86	0.55
CNA55B				
CNA560E				
CNA560U				
CNA560XL				
CNA680	6.17	0.44	6.32	0.46

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Aircraft Type	BASE Case		ALTERNATIVE Case	
	Daytime LTO Cycles	Nighttime LTO Cycles	Daytime LTO Cycles	Nighttime LTO Cycles
CNA750	1.27	0.09	1.30	0.09
COMJET				
COMSEP				
CONCRD				
CRJ9-ER	17.60	5.00	33.68	9.67
CRJ9-LR				
CVR580				
DC1010				
DC1030				
DC1040				
DC3				
DC6				
DC820				
DC850				
DC860				
DC870				
DC8QN				
DC910				
DC930				
DC93LW				
DC950				
DC95HW	0.40	0.11		
DC9Q7				
DC9Q9				
DHC-2FLT				
DHC6	0.03	0.01	0.06	0.02
DHC6QP				
DHC7				
DHC8	0.17	0.06	0.18	0.06
DHC830	0.14	0.05	0.15	0.05
DO228	2.50	0.80	2.59	0.83
DO328				
ECLIPSE500				
EMB120	0.03	0.01	0.03	0.01
EMB145	5.73	1.65	5.23	1.50
EMB14L				
F10062	0.60		0.68	0.05
F10065				
F28MK2				
F28MK4				
F4C				
FAL20	0.42	0.03	0.43	0.03
GASEPF			0.03	0.01
GASEPV	11.50	2.30	19.38	0.84
GII				
GIIB	0.07	0.01	0.07	0.01
GIV	1.13	0.08	1.16	0.08
GV	0.35	0.03	0.36	0.03
HS748A				

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Aircraft Type	BASE Case		ALTERNATIVE Case	
	Daytime LTO Cycles	Nighttime LTO Cycles	Daytime LTO Cycles	Nighttime LTO Cycles
IA1125	0.87	0.01	0.83	0.07
KC135				
KC135B				
KC135R				
L1011				
L10115				
L188				
LEAR25	0.84	0.05	0.87	0.07
LEAR35	13.82	1.00	14.21	1.02



J.2 AEM 7.0c Aircraft Type Data



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Aircraft Type	Aircraft Description	Takeoff Weight (lbs)	Noise ID / Stage
707	Boeing 707-120/JT3C	302400	1
720	Boeing 720/JT3C	223500	1
737	Boeing 737/JT8D-9	109000	1
707120	Boeing 707-120B/JT3D-3	302400	1
707320	Boeing 707-320B/JT3D-7	334000	1
717200	Boeing 717-200/BR 715	121000	3
727100	Boeing 727-100/JT8D-7	169500	1
727200	Boeing 727-200/JT8D-7	217600	1
737300	Boeing 737-300/CFM56-3B-1	135000	3
737400	Boeing 737-400/CFM56-3C-1	150000	3
737500	Boeing 737-500/CFM56-3C-1	133500	3
737700	Boeing 737-700/CFM56-7B24	154500	3
737800	Boeing 737-800/CFM56-7B26	174200	3
747100	Boeing 747-100/JT9DBD	733000	2
747200	Boeing 747-200/JT9D-7	775000	3
747400	Boeing 747-400/PW4056	875000	3
757300	Boeing 757-300/RB211-535E4B	275000	3
767300	Boeing 767-300/PW4060	407000	3
767400	Boeing 767-400ER/CF6-80C2B(F)	450000	3
777200	Boeing 777-200ER/GE90-90B	656000	3
777300	Boeing 777-300/TRENT892	660000	
1900D	Beech 1900D / PT6A67	16950	1
707QN	Boeing 707-320B/JT3D-7QN	334000	2
720B	Boeing 720B/JT3D-3	234000	1
727D15	Boeing 727-200/JT8D-15	208000	1
727D17	Boeing 727-200/JT8D-17	208000	2
727EM1	FEDX 727-100/JT8D-7	169500	3
727EM2	FEDX 727-200/JT8D-15	208000	3
727Q15	Boeing 727-200/JT8D-15QN	208000	2
727Q7	Boeing 727-100/JT8D-7QN	169500	2
727Q9	Boeing 727-200/JT8D-9	191000	2
727QF	UPS 727100 22C 25C	169000	3
7373B2	Boeing 737-300/CFM56-3B-2	139500	3
737D17	Boeing 737-200/JT8D-17	124000	2
737N17	B737-200/JT8D-17 Nordam B737 LGW Hushkit	124000	3
737N9	B737/JT8D-9 Nordam B737 LGW Hushkit	109000	3
737QN	Boeing 737/JT8D-9QN	109000	2
74710Q	Boeing 747-100/JT9D-7QN	733000	3
74720A	Boeing 747-200/JT9D-7A	785000	3
74720B	Boeing 747-200/JT9D-7Q	800000	3
747SP	Boeing 747SP/JT9D-7	702000	3
757PW	Boeing 757-200/PW2037	255000	3
757RR	Boeing 757-200/RB211-535E4	255000	3
767CF6	Boeing 767-200/CF6-80A	315500	3
767JT9	Boeing 767-200/JT9D-7R4D	351000	3
A300B4-203	Airbus A300B4-200/CF6-50C2	364000	3
A300-622R	A300-622R/PW4168	378533	3
A310-304	A310-304/GE CF6-80 C2A2	346126	3
A319-131	A319-131/IAE V2522-A5	166449	3



Aircraft Type	Aircraft Description	Takeoff Weight (lbs)	Noise ID / Stage
A320-211	A320-211\CFM56-5A1	169756	3
A320-232	A320-232\W2527-A5	169756	3
A321-232	A321-232\W2530-A5	196211	3
A330-301	A330-301\GE CF6-80 E1A2	467380	3
A330-343	A330-343\RR TRENT 772B	513677	3
A340-211	A340-211\CFM56-5C2	566588	3
A340-642	A340-642\Trent 556	804687	4
A380-841	A380-841\RR trent970	1254430	4
A380-861	A380-861\EA GP7270	1254430	4
A7D	A-7D E/TF-41-A-1	42000	
BAC111	BAC111\SPY MK511-14	89600	2
BAE146	BAE146-200\ALF502R-5	93000	3
BAE300	BAE146-300\ALF502R-5	97500	3
BEC58P	BARON 58P\TS10-520-L	6100	
C130	C-130H\T56-A-15	155000	3
C130E	C-130E\T56-A-7	155000	
CIT3	CIT 3\TFE731-3-100S	20000	3
CL600	CL600\ALF502L	36000	3
CL601	CL601\CF34-3A	43100	3
CNA172	Cessna 172R / Lycoming IO-360-L2A	2450	
CNA206	Cessna 206H / Lycoming IO-540-AC	3600	
CNA182	Cessna 182H / Continental O-470-R	2800	2
CNA182FLT	Cessna 182S\Wipline amphibious floats	3100	
CNA208	Cessna 208 / PT6A-114	8750	3
CNA20T	Cessna T206H / Lycoming TIO-540-AJ1A	3600	
CNA441	CONQUEST II\TPE331-8	9900	
CNA500	CIT 2\JT15D-4	14700	3
CNA510	Cessna Mustang Model 510 / PW615F	8645	
CNA525C	Cessna Citation CJ4 525C /FJ44-4A	16950	4
CNA55B	Cessna 550 Citation Bravo / PW530A	14800	
CNA560E	Cessna Citation Encore 560 / PW535A	16300	3
CNA560U	Cessna Citation Ultra 560 / JT15D-5D	16300	3
CNA560XL	Cessna Citation Excel 560 / PW545A	20000	3
CNA680	Cessna Citation Sovereign 680 / PW306C	30000	3
CNA750	Citation X / Rolls Royce Allison AE3007C	35700	3
COMJET	1985 BUSINESS JET	19200	1
COMSEP	1985 1-ENG COMP	2440	
CONCRD	CONCORDE\OLY593	400000	
CRJ9-ER	CL-600-2D15/CL-600-2D24/CF34-8C5	82500	3
CRJ9-LR	CL-600-2D15/CL-600-2D24/CF34-8C5	84500	3
CVR580	CV580\ALL 501-D15	58000	
DC1010	DC10-10\CF6-8D	455000	3
DC1030	DC10-30\CF6-50C2	572000	3
DC1040	DC10-40\JT9D-20	555000	3
DC3	DC3\R1820-86	28000	
DC6	DC6\R2800-CB17	106000	
DC820	DC-8-20\JT4A	317600	1
DC850	DC8-50\JT3D-3B	325000	1
DC860	DC8-60\JT3D-7	355000	1



Aircraft Type	Aircraft Description	Takeoff Weight (lbs)	Noise ID / Stage
DC870	DC8-70/CFM56-2C-5	355000	3
DC8QN	DC8-60/JT8D-7QN	355000	2
DC910	DC9-10/JT8D-7	90700	1
DC930	DC9-30/JT8D-9	114000	1
DC93LW	DC9-30/JT8D-9 w/ ABS Lightweight hushkit	114000	3
DC950	DC9-50/JT8D-17	121000	2
DC95HW	DC9-50/JT8D17 w/ ABS Heavyweight hushkit	121000	3
DC9Q7	DC9-10/JT8D-7QN	90700	2
DC9Q9	DC9-30/JT8D-9QN	114000	2
DHC-2FLT	DHC-2 Beaver Floatplane	5090	
DHC6	DASH 6/PT6A-27	12500	
DHC6QP	DASH 6/PT6A-27 Raisbeck Quiet Prop Mod	12500	
DHC7	DASH 7/PT6A-50	41000	3
DHC8	DASH 8-100/PW121	34500	3
DHC830	DASH 8-300/PW123	43000	3
DO228	Dornier 228-202 / TPE 311-5	13669	3
DO328	Dornier 328-100 / PW119C	30843	3
ECLIPSE500	Eclipse 500 / PW610F	6000	3
EMB120	Embraer 120 ER/ Pratt & Whitney PW118	26433	3
EMB145	Embraer 145 ER/Allison AE3007	45420	3
EMB14L	Embraer 145 LR / Allison AE3007A1	48500	3
F10062	F100/TAY 620-15	95000	3
F10065	F100/TAY 650-15	98000	3
F28MK2	F28-2000/RB183MK555	65000	2
F28MK4	F28-4000/RB183MK555	73000	2
F4C	F-4C/J79-GE-15	52000	
FAL20	FALCON 20/CF700-2D-2	28700	2
GASEPF	1985 1-ENG FP PROP	2200	
GASEPV	1985 1-ENG VP PROP	3000	
GII	Gulfstream GII/SPEY 511-8	64800	2
GIIB	Gulfstream GIIB/GIII - SPEY 511-8	69700	2
GIV	Gulfstream GIV-SP/TAY 611-8	74600	3
GV	Gulfstream GV/BR 710	90500	3
HS748A	HS748/DART MK532-2	46500	2
IA1125	ASTRA 1125/TFE731-3A	23500	3
KC135	KC135A/J57-P-59W	300000	
KC135B	KC135B/JT3D-7	300000	
KC135R	KC135R/CFM56-2B-1	324000	
L1011	L1011/RB211-22B	430000	3
L10115	L1011-500/RB211-224B	510000	3
L188	L188C/ALL 501-D13	116000	
LEAR25	LEAR 25/CJ610-8	15000	2
LEAR35	LEAR 36/TFE731-2	18300	3
MD11GE	MD-11/CF6-80C2D1F	682400	3
MD11PW	MD-11/PW 4460	682400	3
MD81	MD-81/JT8D-217	140000	3
MD82	MD-82/JT8D-217A	149500	3
MD83	MD-83/JT8D-219	160000	3
MD9025	MD-90V/2525-D5	156000	3



Aircraft Type	Aircraft Description	Takeoff Weight (lbs)	Noise ID / Stage
MD9028	MD-90/V2528-D5	156000	3
MU3001	MU300-10/JT15D-5	14100	3
PA28	PIPER WARRIOR PA-28-161 / O-320-D3G	2325	
PA30	PIPER TWIN COMANCHE PA-30 / IO-320-B1A	3600	
PA31	PIPER NAVAJO CHIEFTAIN PA-31-350 / TIO-5	7000	
PA42	Piper PA-42 / PT6A-41	11200	3
SABR80	NA SABRELINER 80	33720	2
SD330	SD330/PT6A-45AR	22900	3
SF340	SF340B/CT7-9B	27300	3
F16A	GENERAL DYNAMICS FALCON PW200 NM		
F16GE	GENERAL DYNAMICS FALCON F110-GE-100 NM	42300	
F16PW0	GENERAL DYNAMICS FALCON F100-PW-220 NM	42300	
F16PW9	GENERAL DYNAMICS F FALCON F100-PW-229 NM	42300	



J.3 AEM 7.0c Aircraft Substitution Guidance



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Aircraft Type	Aircraft Description	Substitute Aircraft Type
7073SH	707-300 ADV/C w/Shannon H/K	707QN
717	BOEING 717-200 (MD-95) 114000 LBS	717200
717ER	BOEING 717-200 (MD-95) 121000 LBS	717200
720TJ	B720 Turbojet	720B
727RR1	727-100 with RR TAY 650 eng	727QF
727RR2	727-200 with RR TAY 650 eng	727EM2
73717A	737-100 w/JT8D-7A	727EM2
73717AHK	737-100 w/JT8D-7A (with hushkit)	737N9
737215	737-200 ADV w/JT15QN	737QN
737215HK	737-200 ADV w/JT15QN (with hushkit)	737N17
737222	Boeing 737-222	737D17
737222HK	Boeing 737-222 (with hushkit)	737N9
737900	Boeing 737-900	737800
747122	Boeing 747-122 (stage 2 engines)	737QN
747122S3	Boeing 747-122 (stage 3 engines)	74710Q
7472G2	747-200 w/JT9D-7R4G2	747200
7473G2	747-300 w/JT9D-7R4G2	74720B
747R21	747 w/CF6 or RB211 engines	74720B
A321	Airbus A-321	A321-232
AA5A	Grumman Cheetah (AA5A)	GASEPF
AC50	Commander 500	BEC58P
AC56	Commander 560	BEC58P
AC69	Jet Prop Commander	CNA441
AC95	Aero Commander 695	CNA441
AEROJT	Aero Commander Jet Commander	LEAR25
AN124	Antonov-124	74720B
AN26	Antonov-26	HS748A
AN74TK	Antonov-74	DC930
ATR42	Avions de Transport Regional ATR-42	DHC8
ATR72	Avions de Transport Regional ATR-72	DO328
BAE-125-400	Bae Raytheon Hawker 125-400	LEAR35
BAEATP	British Aerospace Advanced Turbo-prop ATP	DO328
BAEJ31	British Aerospace BAe Jetsream 31	DO228
BAEJ41	British Aerospace Bae Jetstream 41	SF340
BD100	BD-100 Challenger 300 CL30	CL601
BD700	Bombardier BD-700 Global Express	GV
BEC100	Beech King Air 100	CNA441
BEC18	Beechcraft Model 18	BEC58P
BEC18T	Beechcraft Model 18 (Turboprop)	CNA441
BEC190	Beech 1900	1900D
BEC200	Beech Super King Air 200	CNA441
BEC20A	Beech Starship 2000	SD330
BEC23	Beechcraft Model 23 Musketeer	GASEPF
BEC24	Beechcraft Model 24 Sierra	GASEPF
BEC300	Beech Super King Air 300	DO228
BEC30B	Beech Super King Air 300B	CNA441
BEC33	Beechcraft Model 33 Debonair/Bonanza	GASEPV
BEC400	Beechcraft Beechjet 400	MU3001
BEC45	Beechcraft Model 45 Mentor (T34A & T34B)	GASEPV
BEC50	Beechcraft Model 50 Twin Bonanza	BEC58P



BEC55	Beechcraft Model 55 Barron	BEC58P
BEC58	Beechcraft Model 58 Barron	BEC58P
BEC60	Beechcraft Model 60 Duke	PA31
BEC65	Beechcraft Model 65 Queen Air	BEC58P
BEC76	Beechcraft Model 76 Duchess	BEC58P
BEC80	Beechcraft Model Queen Air 80 series	BEC58P
BEC90	Beech King Air C90	CNA441
BEC95	Beechcraft Model 95 Travel Air	BEC58P
BEC99	Beech Airliner Model 99	CNA441
BEC9F	Beech F90 Super King Air	CNA441
BECM35	Beechcraft Model M35 Bonanza	GASEPV
BL14	Bellanca Crusair	GASEPF
BL26	Bellanca Super Viking Model 17-30A	GASEPV
BLCH10	Bellanca Champion Citabria CH10	GASEPF
BN2A	Britten-Norman BN-2A Islander	BEC58P
BN3	Britten-Norman BN-3 Nymph	GASEPF
C20	US Military Gulfstream III	GIIB
C20A	US Military Gulfstream III	GIIB
C26	Military Metro/Merlin	DHC6
C45	Military Twin Beech 18	BEC58P
C56X	Cessna 560XL Citation Excel	CNA55B
C8	US Army DHC-5 Buffalo	HS748A
C9B	Navy DC9-30 SkyTrain	DC9Q9
CA212	CASA C-212 Aviocar	DHC6
CAN235	CACA-Nurtanio CN-235 Airtech	SF340
CC138	Canadian Air Force DHC-6 Twin Otter	DHC6
CL610	Canadair CL-610 Challenger E	CL601
CLREGJ	Canadair Regional Jet	CL601
CNA150	Cessna 150	CNA172
CNA152	Cessna 152	CNA172
CNA170	Cessna 170	CNA172
CNA177	Cessna 177 Cardinal	CNA172
CNA17B	Cessna 177B or RG Cardinal	GASEPV
CNA180	Cessna Skywagon	CNA206
CNA185	Cessna Skywagon	CNA206
CNA205	Cessna 205 Super Skywagon	CNA206
CNA207	Cessna 207 Turbo Stationair	CNA20T
CNA210	Cessna 210 Centurion/II	CNA206
CNA303	Cessna 303 Crusader	BEC58P
CNA305	Cessna 305/L-19 or O-1 Bird Dog	GASEPF
CNA310	Cessna 310	BEC58P
CNA320	Cessna 320 Skynight	BEC58P
CNA335	Cessna 335	BEC58P
CNA336	Cessna 336 Skymaster	BEC58P
CNA337	Cessna 337 Super Skymaster	BEC58P
CNA340	Cessna 340	BEC58P
CNA401	Cessna 401	BEC58P
CNA402	Cessna 402	BEC58P
CNA404	Cessna 404 Titan	BEC58P
CNA414	Cessna 414 Chancellor	BEC58P
CNA421	Cessna 421 Golden Eagle	BEC58P
CNA425	Cessna 425 Corsair/Conquest I	CNA441



CNA501	Cessna Citation I Single Pilot (SP)	CNA500
CNA550	Cessna Model 550 Citation II	CNA500
CNA551	Cessna Citation II Single Pilot (SP)	CNA500
CNA560	Cessna 560 Citation V	MU3001
CNA650	Cessna 650 Citation VII	CIT3
CNACAR	Cessna AGCARRYALL	GASEPV
CNATRK	Cessna AGTRUCK	GASEPV
CNAWAG	Cessna AGWAGON	GASEPV
CNV240	Convair 240	DC3
CNV600	Convair 600	HS748A
CNV640	Convair 640	CVR580
CNV880	Convair 880	DC820
CNV990	Convair 990	707
CONSTE	Lockheed Constellation	DC6
CRJ701	Canadair CRJ701	CRJ9-ER
CRJ900	Canadair CRJ900	CRJ9-ER
D328J	Dornier 328-300 Jet / PW306B	CL600
DA42	DA-42 Twinstar	BEC58P
DALPHA	Dassault Alpha Jet	FAL20
DBMERC	Dassault Mercure	737D17
DC4	Douglas DC-4	DC6
DC7	Douglas DC-7	DC6
DC86BT	DC8-62/63 w/Burbank Treatment	DC8QN
DC9317	DC930 w/JT8D-17 &15	DC9Q9
DC937A	DC930 w/JT8D-7 & 7A	DC9Q9
DC9411	DC940 w/JT8D-11	DC9Q9
DHC2	De Havilland DHC-2 Beaver	DHC-2FLT
DHC4	De Havilland DHC-4 Caribou	DC3
EMB110	Embraer Bandeirante 110	DHC6
EMB135	Embraer EMB-135	EMB145
EMB140	Embraer EMB-140	EMB145
EMB170	Embraer EMB-170	737500
EMB190	Embraer EMB-190	A319-131
F10	Douglas Skyknight	LEAR25
F90	Beech Super King Air	CNA441
FAL10	Falcon 10	LEAR35
FAL200	Falcon 200	CL600
FAL20A	Falcon 2000	CL600
FAL50	Falcon 50	F10062
FAL900	Falcon 900 with TFE7313-5AR-1C	F10062
FH227	Fairchild-Hiller F-227 (Fokker 27 Elong)	HS748A
FH27	Fairchild-Hiller F-27 (Fokker 27)	HS748A
FK27	Fokker F 27	HS748A
FK50	Fokker 50	CVR580
FK70	Fokker 70	F10062
G150	Gulfstream 150	IA1125
G164AG	GrummanAmerican Super Agcat	GASEPV
G200	Gulfstream 200	CL600
GA7	Grumman Cougar (GA7)	BEC58P
GC1	Vought Swift	GASEPF
GROB15	Burkhart Grob G 115	GASEPF
GSPORT	Great Lakes Sport	GASEPF



GULF1	Gulfstream I (G159)	HS748A
GULF2	Gulfstream II	GII
GULF3	Gulfstream III	GIIB
GULFCO	Gulfstream Commander	CNA441
HK4000	Hawker 4000 (Horizon 1000)	CL600
HS125	Hawker-Siddeley 125	LEAR35
HS1258	Bae (Hawker-Siddeley) 125-800	LEAR35
IA1123	IAI 1123 Westwind	LEAR25
IA1124	IAI 1124 Westwind	IA1125
IARAVA	IAI Arava	DHC6
IL114	Ilyushin-114	CVR580
IL62	Ilyushin-62	707QN
IL76	Ilyushin-76	DC8QN
IL86	Ilyushin-86	DC8QN
IL96	Ilyushin-96	747200
JST1TF	Lockheed JetStar 1 Turbofan	LEAR35
JST1TJ	Lockheed JetStar 1 Turbojet / JT12A-8	LEAR25
JST2TF	Lockheed JetStar 2	LEAR35
LA42	Lake LA-4-200 Buccaneer	GASEPV
LEAR23	Learjet 23	LEAR25
LEAR24	Learjet 24	LEAR25
LEAR31	Learjet 31	LEAR35
LEAR36	Learjet 36	LEAR35
LEAR45	Learjet 45	LEAR35
LEAR55	Learjet 55	LEAR35
LEAR60	Learjet 60 / PW305	CNA55B
LOADMS	Ayres LoadMaster	SD330
M20J	Mooney 201LM and 205 (M20J)	GASEPV
M20K	Mooney 252TSE (M20K)	GASEPV
M20L	Mooney Pegasus (M20L)	GASEPV
MD80	McDonnell-Douglas MD80	MD81
MD87	McDonnell-Douglas MD87	MD81
MD88	McDonnell-Douglas MD88	MD83
MD8819	MD88 w/JT8D-119	MD81
MU2	Mitsubishi MU-2	CNA441
MU300	Mitsubishi Diamond MU-300	MU3001
N24	Gov. Aircraft Factories (Australia) N24	CNA441
NRD262	Nord-Aviation NORD-262	SD330
OV1	Grumman Mohawk OV-1	DHC6
P180	Piaggio P-180	SD330
PA17	Piper PA-17 Vagabond	GASEPF
PA18	Piper PA-18 Super Cub	GASEPF
PA22CO	Piper PA-22 Colt	GASEPF
PA22TR	Piper PA-22 Tripacer	GASEPF
PA23AP	Piper PA-23-235 Apache	BEC58P
PA23AZ	Piper PA-23 Aztec	BEC58P
PA24	Piper PA-24 Comanche	GASEPV
PA25	Piper PA-25 Pawnee	GASEPV
PA28AR	Piper PA-28-181 Archer II	PA28
PA28C2	Piper PA-28-235E Cherokee 235E	GASEPV
PA28CA	Piper PA-28R-200 Cherokee Arrow II	GASEPV
PA28CC	Piper PA-28-180 Cherokee Challenger	PA28



PA28CH	Piper PA-28-140 Cherokee 140	PA28
PA28DK	Piper PA-28-236 Dakota	GASEPV
PA28WA	Piper PA-28-161 Warrior II	PA28
PA31CH	Piper PA-31-350 Chieftain	PA31
PA31T	Piper PA-31T Cheyenne	CNA441
PA32C6	Piper PA-32 Cherokee Six	GASEPV
PA32LA	Piper PA-32R-300 Lance	GASEPV
PA32SG	Piper PA-32 Saratoga	GASEPV
PA34	Piper PA-34 Seneca	BEC58P
PA36	Piper 36 Brave	BEC58P
PA38	Piper PA-38-112 Tomahawk	GASEPF
PA39	Piper PA-39 Twin Comanche C/R	PA30
PA44	Piper 44 Seminole	BEC58P
PA46	Piper PA-46 Malibu	GASEPV
PA60	Piper Aerostar Model 600/700	BEC58P
PA61	Piper PA-61 Aerostar Model 601	BEC58P
PC12	Pilatus PC12-NG	CNA208
PC6	Pilatus PC-6	CNA208
PITTS1	Pitts S-1 Special	GASEPF
R390	Raytheon 390 Premier	LEAR35
R850	Raytheon Hawker 850XP (TFE731-5)	LEAR35
RJ70	RJ70	BAE146
RWCM12	Rockwell Commander 112 (Alpine)	GASEPF
RWCM14	Rockwell Commander 114 (Gram Turismo)	GASEPV
RWCM50	Rockwell Shrike Commander 500S	BEC58P
RWCM69	Rockwell Turbo Commander 690 (Turboprop)	CNA441
RWCMTH	Rockwell Thrust Commander (SR2)	GASEPV
S212	Siai Marchetti S212	CNA500
SA226	Swearingen Metro II	DHC6
SA227	Swearingen Metro III	DHC6
SAAB20	SAAB 2000	HS748A
SABR40	Sabreliner 40	LEAR25
SABR60	Sabreliner 60	LEAR25
SABR65	Sabreliner 65	LEAR35
SABR70	Sabreliner 70	LEAR25
SABR75	Sabreliner 75	LEAR25
SAMER2	Swearingen Merlin II	1900D
SAMER3	Swearingen Merlin III	CNA441
SAMER4	Swearingen Merlin IV	DHC6
SD360	Shorts 360	SD330
SF210	Aerospatiale Caravelle	DC950
SF260M	Siai Marchetti SF260M	GASEPV
SN600	Aerospatiale SN 600 Corvette	CNA500
SR22	Cirrus SR-22	GASEPV
STBM7	Socata TBM700	CNA208
T37	USAF Cessna T37 or 318	LEAR25
T38	USAF Northrop T38	LEAR25
T43A	USAF 737-200	737
T47A	US Navy Cessna Citation S/II	CNA500
T6	T-6 Texan	GASEPV
TAYF19	Taylorcraft Sportsman 100 (F19)	GASEPF
TED600	Ted Smith Aerostar 600	BEC58P



TU134	Tupolev-134	DC930
TU154	Tupolev-154	727D17
TU204	Tupolev-204	757RR
TU334	Tupolev-334	F10065
U3	USAF Cessna Model 310	BEC58P
UV18	US Military DHC-6 Twin Otter	DHC6
VC10TF	Vickers VC10 TurboFan	707
VC10TJ	Vickers VC10 TurboJet	DC820
VC2	Vickers VC2 Viscount	L188
YAK42	Yakolev Yak-42	L188
YAK42HK	Yakolev Yak-42 (with hushkit)	727EM1
YS11	Nihon Aeroplane (NAMC) YS-11	HS748A
YS11C	Nihon Aeroplane (NAMC) YS-11 Cargo	HS748A