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From: Mahendra Shah
To: Bernard White; Brad (William) Hardin; Daniel Huang; Robert Shewmaker; Ron Parkhill
Date: 1/16/03 8:14AM
Subject: Fwd: Distribution of Aircraft

The file attached with the Sandia e-mail provides the aircraft use in the United States. The earlier database we had received was for aircraft use for the world.

Thanks.

Mahendra

CC: Earl Easton; Jack Guttman

D/15

From: "Smith, J D" <jdsmith@sandia.gov>
To: "Mahendra J Shah (E-mail)" <MJS3@nrc.gov>
Date: 1/15/03 5:17PM
Subject: Distribution of Aircraft

Mahendra,

As per your request, attached please find a spreadsheet containing the distribution of commercial aircraft operating in the United States. From left to right, the columns contain the aircraft manufacturer and model, series, number of aircraft of each series, total model aircraft, percentage of series with respect to entire fleet, and percentage of series with respect to manufacturer model. At the bottom are totals for each column, of which the most interesting is the number of 6565, which represents the total passenger and cargo aircraft fleet legally operating within the United States under Part 121. The information is very current, as it was extracted directly from the FAA database which is maintained continuously. It was wonderful speaking with you again last week, and as always should you have any questions please do not hesitate to call.

jd

<<mjs_distribution_wed15jan03.xls>>

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CC: "Sorenson, Ken B" <kbsoren@sandia.gov>, "Sprung, Jeremy L" <jlsprun@sandia.gov>, "Smith, Jeffrey" <jasmith@sandia.gov>

Aircraft/Make	Series	Number	Total	Fleet Percentage	Series Percentage
Airbus A-300	B	34	58	0.52%	58.62%
	F	24		0.37%	41.38%
Airbus A-319	100	224	224	3.41%	100.00%
Airbus A-320	200	283	283	4.31%	100.00%
Airbus A-321	200	28	28	0.43%	100.00%
Airbus A-330	300	9	9	0.14%	100.00%
Aerospatiale ATR-42	300	62	62	0.94%	100.00%
Aerospatiale ATR-72	200	63	63	0.96%	100.00%
Baral AVRO-146	RJ	36	36	0.55%	100.00%
Boeing B-717	200	87	87	1.33%	100.00%
Boeing B-727	100	43	209	0.65%	20.57%
	200	166		2.53%	79.43%
Boeing B-737	200	149	1378	2.27%	10.81%
	300	525		8.00%	38.10%
	400	87		1.33%	6.31%
	500	147		2.24%	10.67%
	700	191		2.91%	13.86%
	800	261		3.98%	18.94%
	900	18		0.27%	1.31%
Boeing B-747	100	13	156	0.20%	8.33%
	200	63		0.96%	40.38%
	300	3		0.05%	1.92%
	400	77		1.17%	49.36%
Boeing B-757	200	604	625	9.20%	96.64%
	300	21		0.32%	3.36%
Boeing B-767	200	83	343	1.26%	24.20%
	300	223		3.40%	65.01%
	400	37		0.56%	10.79%
Boeing B-777	200	129	129	1.96%	100.00%
BAE-146	200	12	17	0.18%	70.59%
	300	5		0.08%	29.41%

BA-Jet	3200	17	17	0.26%	100.00%
Beech BE-1900	C	8	116	0.12%	6.90%
	D	108		1.65%	93.10%
Canadair CL-600	B	447	477	6.81%	93.71%
	C	30		0.46%	6.29%
DeHavilland DHC-6	200	2	7	0.03%	28.57%
	300	5		0.08%	71.43%
DeHavilland DHC-8	100	94	180	1.43%	52.22%
	200	59		0.90%	32.78%
	300	12		0.18%	6.67%
	400	15		0.23%	8.33%
Douglas DC-8	70	49	49	0.75%	100.00%
Douglas DC-9	10	15	713	0.23%	2.10%
	20	1		0.02%	0.14%
	30	160		2.44%	22.44%
	40	14		0.21%	1.96%
	50	36		0.55%	5.05%
	80	487		7.42%	68.30%
Douglas DC-10	10	10	50	0.15%	20.00%
	30	38		0.58%	76.00%
	40	2		0.03%	4.00%
Dornier DO-328	100	42	87	0.64%	48.28%
	300	45		0.69%	51.72%
Embraer EMB-120	ER	91	135	1.39%	67.41%
	RT	44		0.67%	32.59%
Embraer EMB-135	ER	12	125	0.18%	9.60%
	KL	54		0.82%	43.20%
	LR	59		0.90%	47.20%
Embraer EMB-145	ER	32	296	0.49%	10.81%
	LR	252		3.84%	85.14%
	XR	12		0.18%	4.05%
Fairchild-SA227	C20	6	6	0.09%	100.00%
Fokker F-27	200	2	5	0.03%	40.00%
	500	2		0.03%	40.00%
	600	1		0.02%	20.00%

Fokker F-28	100 4000	110 12	122	1.68% 0.18%	90.16% 9.84%
Gulfstream GA-73	70	5	5	0.08%	100.00%
Jetstream-4101	4100	55	55	0.84%	100.00%
Lockheed L-1011	3851 3853	11 5	16	0.17% 0.08%	68.75% 31.25%
Douglas MD-11	11	23	23	0.35%	100.00%
Douglas MD-88	88	122	122	1.86%	100.00%
Douglas MD-90	90	16	16	0.24%	100.00%
Swearingen SA-227	AC	12	12	0.18%	100.00%
Saab 340-B	B	103	103	1.57%	100.00%
Short Brothers SD-3	60	3	3	0.05%	100.00%
Saab SF-340	A B	41 77	118	0.62% 1.17%	34.75% 65.25%
Totals		6565	6565	100.00%	100.00%