

**Boston Logan International Airport 2018/2019 EDR**

**Table 6-15 Airline Operations Percentages in Original Stage 3 or Equivalent Stage 4/5 Aircraft (2017 to 2019)**

Airlines with more than 100 flights	Number of Flights <sup>1</sup>			Percentage of Stage 3 or Equivalent Stage 4 or 5 Operations <sup>2</sup>								
	2017	2018	2019	2017 Stage 3	2017 Stage 4	2017 Stage 5	2018 Stage 3	2018 Stage 4	2018 Stage 5	2019 Stage 3	2019 Stage 4	2019 Stage 5
jetBlue Airways	100,892	107,557	114,091	0%	94%	6%	0%	96%	4%	0%	98%	2%
American Airlines	51,296	54,253	50,333	1%	85%	14%	1%	90%	9%	1%	87%	12%
Delta Air Lines	35,921	39,074	42,218	5%	75%	20%	3%	84%	13%	2%	86%	12%
United Airlines	24,636	27,652	27,318	0%	76%	24%	0%	77%	23%	0%	61%	39%
Republic Airlines	11,994	12,051	21,832	2%	98%	0%	0%	100%	0%	0%	100%	0%
Southwest Airlines	24,129	23,191	19,907	13%	86%	1%	0%	97%	3%	0%	99%	1%
Endeavor Air	7,977	10,712	10,520	0%	92%	8%	0%	93%	7%	0%	100%	0%
Spirit Airlines	8,853	10,269	9,838	0%	8%	92%	0%	10%	90%	0%	16%	84%
Alaska Airlines	3,351	6,416	5,920	0%	100%	0%	0%	92%	8%	0%	92%	8%
SkyWest Airlines	NA	3,632	4,880	N/A	N/A	N/A	48%	52%	0%	100%	0%	0%
Sky Regional Airlines Inc	1,470	4,574	4,345	0%	100%	0%	0%	100%	0%	0%	100%	0%
Federal Express	3,755	3,790	3,775	15%	84%	0%	4%	96%	0%	4%	96%	0%
Piedmont Airlines	729	1,127	3,087	0%	0%	100%	0%	0%	100%	0%	0%	100%
Jazz Air Inc.	5,947	4,981	2,922	0%	15%	85%	0%	25%	75%	0%	52%	48%
British Airways	2,522	2,685	2,650	0%	50%	50%	0%	43%	57%	0%	23%	77%
United Parcel Service	2,053	2,073	2,096	0%	89%	11%	0%	89%	11%	0%	97%	3%
Air Canada	3,947	1,126	1,908	0%	100%	0%	0%	100%	0%	0%	100%	0%
Aer Lingus	2,011	1,995	1,860	0%	100%	0%	0%	100%	0%	0%	93%	7%
Lufthansa	1,707	1,662	1,703	0%	0%	100%	0%	0%	100%	0%	14%	86%
Virgin Atlantic	764	778	1,361	0%	0%	100%	0%	0%	100%	0%	0%	100%
Frontier Airlines, Inc.	NA	NA	1,211	N/A	N/A	N/A	N/A	N/A	N/A	6%	30%	64%
Hainan Airlines Co. Ltd.	1,032	1,078	1,056	0%	0%	100%	0%	0%	100%	0%	0%	100%
Icelandair	1,265	1,041	1,044	38%	1%	61%	0%	77%	23%	0%	85%	15%
Swiss Air	924	942	978	0%	0%	100%	0%	0%	100%	0%	0%	100%
GoJet Airlines	3,136	2,686	968	0%	100%	0%	0%	100%	0%	0%	100%	0%
Compañía Panameña de Aviación	730	1,100	962	0%	100%	0%	0%	100%	0%	0%	100%	0%

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Airlines with more than 100 flights	Number of Flights <sup>1</sup>			Percentage of Stage 3 or Equivalent Stage 4 or 5 Operations <sup>2</sup>								
	2017	2018	2019	2017 Stage 3	2017 Stage 4	2017 Stage 5	2018 Stage 3	2018 Stage 4	2018 Stage 5	2019 Stage 3	2019 Stage 4	2019 Stage 5
Iberia Air Lines of Spain	464	707	859	0%	97%	3%	0%	64%	36%	0%	59%	41%
Air France	884	828	856	0%	32%	68%	0%	36%	64%	0%	7%	93%
SATA International Airlines	844	780	809	0%	89%	11%	2%	8%	90%	0%	1%	99%
Norwegian Air UK Limited	NA	552	732	N/A	N/A	N/A	0%	0%	100%	0%	0%	100%
Qatar Airways	728	734	730	0%	0%	100%	0%	9%	91%	0%	100%	0%
Japan Airlines	730	732	728	0%	0%	100%	0%	1%	99%	0%	0%	100%
Emirates Airlines	1,034	734	719	0%	97%	3%	0%	99%	1%	0%	57%	43%
Atlas Air	652	703	699	0%	100%	0%	0%	100%	0%	0%	100%	0%
TAM- Linhas Aereas S.A.	767	376	697	0%	14%	86%	0%	1%	99%	0%	0%	100%
Hawaiian Airlines	616	644	674	0%	0%	100%	0%	0%	100%	0%	0%	100%
Envoy Airlines	643	642	644	0%	100%	0%	0%	88%	12%	0%	28%	72%
Scandinavian Airlines	548	544	550	0%	99%	1%	0%	100%	0%	0%	100%	0%
Korean Air Lines Co., Ltd.	136	525	531	100%	0%	0%	99%	1%	0%	99%	1%	0%
Expressjet	3,660	2,618	300	0%	42%	58%	0%	32%	68%	0%	0%	100%
El Al Israel Airlines Ltd.	298	288	296	42%	58%	0%	33%	67%	1%	0%	97%	3%
MN Airlines, LLC	1,391	1,030	288	0%	100%	0%	0%	100%	0%	0%	100%	0%
KLM Royal Dutch Airlines	NA	NA	263	N/A	N/A	N/A	N/A	N/A	N/A	0%	98%	2%
Aeromexico	226	501	218	0%	100%	0%	0%	99%	1%	0%	100%	0%
WOW Air, LLC.	724	722	171	98%	2%	0%	99%	0%	1%	85%	0%	15%
Royal Air Maroc	NA	NA	161	N/A	N/A	N/A	N/A	N/A	N/A	0%	0%	100%
TACA International Airlines, S.A.	NA	156	136	N/A	N/A	N/A	0%	57%	43%	0%	84%	16%
TACV-Cabo Verde Airlines	NA	NA	112	N/A	N/A	N/A	N/A	N/A	N/A	0%	48%	52%
Mesa Airlines	327	138	110	28%	72%	0%	25%	75%	0%	17%	83%	0%
Aerovias de Mexico S.A. de C.V.	667	657	NA	0%	100%	0%	0%	100%	0%	N/A	N/A	N/A

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Airlines with more than 100 flights	Number of Flights <sup>1</sup>			Percentage of Stage 3 or Equivalent Stage 4 or 5 Operations <sup>2</sup>								
	2017	2018	2019	2017 Stage 3	2017 Stage 4	2017 Stage 5	2018 Stage 3	2018 Stage 4	2018 Stage 5	2019 Stage 3	2019 Stage 4	2019 Stage 5
Primera Air Scandinavia A/S	NA	238	NA	N/A	N/A	N/A	0%	0%	100%	N/A	N/A	N/A
Trans States Airlines, Inc.	NA	228	NA	N/A	N/A	N/A	0%	0%	100%	N/A	N/A	N/A
Thomas Cook Airlines	154	104	NA	0%	1%	99%	0%	0%	100%	N/A	N/A	N/A

Source: Massport and HMMH, 2020.

N/A Not available.

1 Operations for some carriers differ with those in Chapter 2, *Activity Levels*, and Chapter 7, *Air Quality/Emissions Reduction*, because the table only includes jet aircraft, not turboprops, and it includes both scheduled and unscheduled air carriers.

2 Original Stage 3 means originally manufactured as a certificated Stage 3 aircraft under FAR Part 36. Stage 4 equivalent or Stage 5 equivalent means the aircraft meets Stage 4 or Stage 5 requirements, even if it is not certificated as such.