



2019

AIRPORT BENCHMARKING REPORT

Global Standards for Airport Excellence

Information Package

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Asia Pacific			
Code	Airport Name	City, Country	
1	ADL	Adelaide International Airport	Adelaide, Australia
2	AKL	Auckland International Airport	Auckland, New Zealand
3	BKK	Suvarnabhumi Airport	Bangkok, Thailand
4	BNE	Brisbane Airport	Brisbane, Australia
5	BOM	Chhatrapati Shivaji International Airport	Mumbai, India
6	CAN	Bai Yun Airport	Guangzhou, China
7	CEI	Mae Fah Luang-Chiang Rai International Airport	Chiang Rai, Thailand
8	CGK	Jakarta Soekarno-Hatta International Airport	Jakarta, Indonesia
9	CJU	Jeju International Airport	Jeju, Korea
10	CHC	Christchurch International Airport	Christchurch, New Zealand
11	CMB	Bandaranaike International Airport	Colombo, Sri Lanka
12	CNS	Cairns International Airport	Cairns, Australia
13	CNX	Chiang Mai International Airport	Chiang Mai, Thailand
14	DEL	Indira Gandhi International Airport	New Delhi, India
15	DRW	Darwin International Airport	Darwin, Australia
16	DUD	Dunedin International Airport	Dunedin, New Zealand
17	DXB	Dubai International Airport	Dubai, UAE
18	GMP	Seoul Gimpo International Airport	Seoul, South Korea
19	GUM	Antonio B. Won Pat International Airport	Hagatna, Guam
20	HAK	Meilan International Airport	Haikou, China
21	HDY	Hat Yai International Airport	Hat Yai, Thailand
22	HKG	Hong Kong International Airport	Hong Kong, China
23	HKT	Phuket International Airport	Phuket, Thailand
24	HND	Haneda Airport	Tokyo, Japan
25	ICN	Incheon International Airport	Incheon, Korea
26	KIX	Kansai International Airport	Osaka, Japan
27	KUL	Kuala Lumpur International Airport	Kuala Lumpur, Malaysia
28	MAA	Chennai International Airport	Chennai, India
29	MEL	Melbourne Airport	Melbourne, Australia
30	MFM	Macau International Airport	Macau, China
31	MNL	Ninoy Aquino International Airport	Manila, The Philippines
32	NAN	Nadi International Airport	Nadi, Fiji
33	NGO	Central Japan International Airport	Nagoya, Japan
34	NRT	Tokyo Narita International Airport	Tokyo, Japan
35	NTL	Newcastle Airport	Newcastle, Australia
36	OOL	Gold Coast Airport	Gold Coast, Australia
37	PEK	Beijing Capital International Airport	Beijing, China
38	PEN	Penang International Airport	Penang, Malaysia
39	PER	Perth International Airport	Perth, Australia
40	PNH	Phnom Penh International Airport	Phnom Penh, Cambodia
41	PUS	Gimhae International Airport	Busan, Korea
42	PVG	Shanghai Pudong International Airport	Shanghai, China
43	REP	Siem Reap International Airport	Siem Reap, Cambodia
44	SHA	Shanghai Hongqiao International Airport	Shanghai, China
45	SIN	Singapore Changi International Airport	Singapore, Singapore
46	SUB	Juanda International Airport	Sidoarjo, Indonesia
47	SYD	Sydney Airport	Sydney, Australia
48	SZX	Shenzhen Bao'an International Airport	Shenzhen, China
49	TPE	Taiwan Taoyuan International Airport	Taipei, Taiwan
50	TSV	Townsville Airport	Townsville, Australia
51	WLG	Wellington International Airport	Wellington, New Zealand
52	XMN	Xiamen Gaoqi International Airport	Xiamen, China
53	ZQN	Queenstown Airport	Frankton, New Zealand

Europe			
Airport Code	Airport Name	City, Country	
54	AGP	Malaga-Costa del Sol Airport	Malaga, Spain
55	ALC	Alicante Airport	El Altet - Torrellano, Spain
56	AMS	Amsterdam Airport Schiphol	Amsterdam, The Netherlands
57	ARN	Stockholm-Arlanda Airport	Stockholm, Sweden
58	ATH	Athens International Airport	Athens, Greece
59	BCN	Barcelona El Prat Airport	Barcelona, Spain
60	BEG	Belgrade Nikola Tesla Airport	Belgrade, Serbia
61	BGY	Bergamo-Orio al Serio Airport	Bergamo, Italy
62	BHX	Birmingham Airport	Birmingham, England
63	BLQ	Bologna Airport	Bologna, Italy
64	BRS	Bristol Airport	Lulsgate Bottom, England
65	BRU	Brussels Airport	Brussels, Belgium
66	BSL	EuroAirport Basel-Mulhouse-Freiburg	Basel, Switzerland
67	BTS	Bratislava Milan Rastislav Stefanik Airport	Bratislava, Slovakia
68	BUD	Budapest Ferenc Liszt International Airport	Budapest, Hungary
69	CDG	Paris Charles de Gaulle Airport	Paris, France
70	CGN	Cologne/Bonn Konrad Adenauer Airport	Cologne, Germany
71	CIA	Rome Ciampino Airport	Rome, Italy
72	CPH	Copenhagen Airport Kastrup	Copenhagen, Denmark
73	DUB	Dublin Airport	Dublin, Ireland
74	DUS	Düsseldorf International Airport	Düsseldorf, Germany
75	EDI	Edinburgh Airport	Edinburgh, Scotland
76	FCO	Rome Leonardo Da Vinci/Fiumicino Airport	Rome, Italy
77	FRA	Frankfurt Airport	Frankfurt, Germany
78	GLA	Glasgow Airport	Renfrewshire, Scotland
79	GVA	Genève Aéroport	Geneva, Switzerland
80	HAJ	Hannover Airport	Langenhagen, Germany
81	HAM	Hamburg Airport	Hamburg, Germany
82	HEL	Helsinki Vantaa Airport	Helsinki, Finland
83	IST	Istanbul Atatürk Airport	Istanbul, Turkey
84	KBP	Kiev Boryspil International Airport	Kiev, Ukraine
85	KEF	Keflavik International Airport	Reykjanesbaer, Iceland
86	LED	Pulkovo Airport	Saint Petersburg, Russia
87	LGW	London Gatwick International Airport	London, England
88	LHR	London Heathrow Airport	London, England
89	LIN	Milan Linate Airport	Milan, Italy
90	LIS	Lisbon Portela Airport	Lisbon, Portugal
91	LJU	Ljubljana Jože Pučnik Airport	Ljubljana, Slovenia
92	LPA	Gran Canaria Airport	Teldi, Spain
93	LTN	London Luton Airport	London, England
94	LUX	Luxembourg Airport	Findel, Luxembourg
95	LYS	Lyon-Saint Exupery Airport	Colombier-Saugnieu, France
96	MAD	Madrid Barajas Airport	Madrid, Spain
97	MAN	Manchester Airport	Manchester, England
98	MLA	Malta International Airport	Valletta, Malta
99	MUC	Munich Airport	Munich, Germany
100	MPX	Milan Malpensa Airport	Milan, Italy
101	NAP	Naples International Airport	Naples, Italy
102	NCE	Nice Cote D'Azur Airport	Nice, France
103	OPO	Porto Airport	Porto, Portugal

Airports included in the ATRS Airport Benchmarking Report (Cont.)

Europe			
Airport Code	Airport Name		City, Country
104	ORY	Paris Orly Airport	Paris, France
105	OSL	Oslo Airport Gardermoen	Oslo, Norway
106	PMI	Palma de Mallorca Airport	Palma de Mallorca, Spain
107	PRG	Prague International Airport	Prague, Czech Republic
108	RIX	Riga International Airport	Riga, Latvia
109	SAW	Istanbul Sabiha Gökçen International Airport	Istanbul, Turkey
110	SOF	Sofia Airport	Sofia, Bulgaria
111	STN	London Stansted Airport	London, England
112	STR	Stuttgart Airport	Stuttgart, Germany
113	SVO	Sheremetyevo International Airport	Moscow, Russia
114	SXF	Berlin Schönefeld Airport	Berlin, Germany
115	SZG	Salzburg W.A. Mozart Airport	Salzburg, Austria
116	TLL	Lennart Meri Tallinn Airport	Tallinn, Estonia
117	TLV	Ben Gurion International Airport	Tel Aviv, Israel
118	TRN	Turin Caselle Airport	Turin, Italy
119	TXL	Berlin Tegel Airport	Berlin, Germany
120	VCE	Venice Marco Polo Airport	Venice, Italy
121	VI	Vienna International Airport	Vienna, Austria
122	WAW	Warsaw Chopin Airport	Warsaw, Poland
123	ZAG	Zagreb Airport	Zagreb, Croatia
124	ZRH	Zurich Airport	Zurich, Switzerland

North America - United States			
Code	Airport Name		City, State
125	ABQ	Albuquerque International Sunport	Albuquerque, New Mexico
126	ALB	Albany International Airport	Albany, New York
127	ANC	Ted Stevens Anchorage International Airport	Anchorage, Alaska
128	ATL	Hartsfield-Jackson Atlanta International Airport	Atlanta, Georgia
129	AUS	Austin Bergstrom Airport	Austin, Texas
130	BDL	Bradley International Airport	Windsor Locks, Connecticut
131	BNA	Nashville International Airport	Nashville, Tennessee
132	BOS	Boston Logan International Airport	Boston, Massachusetts
133	BUF	Buffalo Niagara International Airport	Cheektowaga, New York
134	BUR	Bob Hope Airport	Burbank, California
135	BWI	Baltimore Washington International Airport	Baltimore, Maryland
136	CLE	Cleveland-Hopkins International Airport	Cleveland, Ohio
137	CLT	Charlotte Douglas International Airport	Charlotte, North Carolina
138	CMH	Port Columbus International Airport	Columbus, Ohio
139	CVG	Cincinnati/Northern Kentucky International Airport	Cincinnati, Ohio
140	DAL	Dallas Love Field Airport	Dallas, Texas
141	DCA	Ronald Reagan Washington National Airport	Washington, DC
142	DEN	Denver International Airport	Denver, Colorado
143	DFW	Dallas Fort Worth International Airport	Dallas, Texas
144	DTW	Detroit Metropolitan Wayne County Airport	Detroit, Michigan
145	EWR	Newark Liberty International Airport	Newark, New Jersey
146	FLL	Fort Lauderdale Hollywood International Airport	Ft. Lauderdale, Florida
147	HNL	Honolulu International Airport	Honolulu, Hawaii
148	HOU	William P. Hobby Airport	Houston, Texas
149	IAD	Washington Dulles International Airport	Washington, DC
150	IAH	George Bush Intercontinental Airport	Houston, Texas
151	IND	Indianapolis International Airport	Indianapolis, Indiana

North America - United States			
Code	Airport Name		City, State
152	JAX	Jacksonville International Airport	Jacksonville, Florida
153	JFK	New York-John F. Kennedy International Airport	New York, New York
154	LAS	Las Vegas McCarran International Airport	Las Vegas, Nevada
155	LAX	Los Angeles International Airport	Los Angeles, California
156	LGA	LaGuardia International Airport	New York, New York
157	MCI	Kansas City International Airport	Kansas City, Missouri
158	MCO	Orlando International Airport	Orlando, Florida
159	MDW	Chicago Midway Airport	Chicago, Illinois
160	MEM	Memphis International Airport	Memphis, Tennessee
161	MIA	Miami International Airport	Miami, Florida
162	MKE	General Mitchell International Airport	Milwaukee, Wisconsin
163	MSP	Minneapolis/St. Paul International Airport	Minneapolis, Minnesota
164	MSY	Louis Armstrong New Orleans International Airport	New Orleans, Louisiana
165	OAK	Oakland International Airport	Oakland, California
166	OGG	Kahului Airport	Kahului, Hawaii
167	OKC	Will Rogers World Airport	Oklahoma City, Oklahoma
168	OMA	Eppley Airfield	Omaha, Nebraska
169	ONT	LA/Ontario International Airport	Ontario, California
170	ORD	Chicago O'Hare International Airport	Chicago, Illinois
171	PBI	Palm Beach International Airport	West Palm Beach, Florida
172	PDX	Portland International Airport	Portland, Oregon
173	PHL	Philadelphia International Airport	Philadelphia, Pennsylvania
174	PHX	Phoenix Sky Harbor International Airport	Phoenix, Arizona
175	PIT	Pittsburgh International Airport	Pittsburgh, Pennsylvania
176	PVD	Theodore Francis Green State Airport	Warwick, Rhode Island
177	RDU	Raleigh-Durham International Airport	Raleigh, North Carolina
178	RIC	Richmond International Airport	Richmond, Virginia
179	RNO	Reno/Tahoe International Airport	Reno, Nevada
180	RSW	Southwest Florida International Airport	South Fort Myers, Florida
181	SAN	San Diego International Airport	San Diego, California
182	SAT	San Antonio International Airport	San Antonio, Texas
183	SDF	Louisville International-Standiford Field	Louisville, Kentucky
184	SEA	Seattle-Tacoma International Airport	Seattle, Washington
185	SFO	San Francisco International Airport	San Francisco, California
186	SJC	Norman Y. Mineta San José International Airport	San José, California
187	SJU	Luis Muñoz Marín International Airport	San Juan, Puerto Rico
188	SLC	Salt Lake City International Airport	Salt Lake City, Utah
189	SMF	Sacramento International Airport	Sacramento, California
190	SNA	John Wayne Orange County Airport	Costa Mesa, California
191	STL	St. Louis-Lambert International Airport	St. Louis, Missouri
192	TPA	Tampa International Airport	Tampa, Florida
193	TUL	Tulsa International Airport	Tulsa, Oklahoma
194	TUS	Tucson International Airport	Tucson, Arizona

North America - Canada			
Code	Airport Name		City, Province
195	YEG	Edmonton International Airport	Edmonton, Alberta
196	YHZ	Halifax Stanfield International Airport	Halifax, Nova Scotia
197	YOW	Ottawa Macdonald-Cartier International Airport	Ottawa, Ontario
198	YQR	Regina International Airport	Regina, Saskatchewan
199	YUL	Montréal-Pierre Elliott Trudeau International Airport	Montréal, Québec
200	YVR	Vancouver International Airport	Vancouver, British Columbia
201	YWG	Winnipeg James Armstrong Richardson International Airport	Winnipeg, Manitoba
202	YYC	Calgary International Airport	Calgary, Alberta
203	YYJ	Victoria International Airport	Victoria, British Columbia
204	YYT	St. John's International Airport	St. John's, Newfoundland
205	YYZ	Toronto Lester B. Pearson International Airport	Toronto, Ontario

Asia Pacific - Major Airport Authorities

	Code	Authority Name	Country
G1	AAI	Airports Authority of India	India
G2	ADG	Airport Development Group	Australia
G3	AOT	Airports of Thailand Public Company Limited	Thailand
G4	APAC	Australia Pacific Airports Corporation	Australia
G5	API	P.T. (Persero) Angkasa Pura I	Indonesia
G6	APII	P.T. (Persero) Angkasa Pura II	Indonesia
G7	KAC	Korea Airports Corporation	Korea
G8	MAHB	Malaysia Airports Holding Behard	Malaysia
G9	QAL	Queensland Airport Limited	Australia

Europe - Major Airport Authorities

	Airport Code	Authority Name	Country
G10	ADP	Aeroports de Paris	France
G11	ADR	Aeroporti di Roma	Italy
G12	AENA	Aeropuertos Espanoles y Navegacion Aerea	Spain
G13	ANA	Aeropostos de Portugal	Portugal
G14	Avinor	Avinor Group	Norway
G15	Berlin	Berlin Airports	Germany
G16	DAA	Dublin Airport Authority	Ireland
G17	Finavia	Finavia Oyj	Finland
G18	Fraport	Fraport AG	Germany
G19	Isavia	Isavia	Iceland
G20	MAG	Manchester Airports Group	United Kingdom
G21	Schiphol	Schiphol Group	The Netherlands
G22	SEA	Società Enti Aeroportuali (SEA) Aeroporti di Milano	Italy
G23	Swedavia	Swedavia	Sweden
G24	TAV	TAV Airports Holding	Turkey

The ATRS Benchmarking Report consists of three parts:

- **Part I** provides a summary of the research approach and key results. It contains 9 summary tables and 10 summary charts covering the main aspects of airport operations and management, including labour productivity, soft cost input productivity, residual variable factor productivity, and revenue generation.

- **Part II** is the main body of the report. It provides over 200 charts and tables comparing most dimensions of airport performance across airports. It also provides comparisons of the status of the airports in terms of traffic volume, number of employees and terminal-airside capacity. A comparison of airport charges including landing and passenger charges is also presented.

- **Part III** of the report presents a short description of each airport including a section on new development and on recent awards. It also includes information on capacity and traffic (with time series data), airport charges as well as highlights of the current revenue, and profit margin. In addition, a summary of the airport charges is also included.

- This report includes:
 - 205 airports**
 - 24 airports groups/authorities**

THE REPORT

The main objective of this report is to measure and compare the performance of several important aspects of airport operation including:

- **Productivity and Efficiency**
- **Unit Costs and Unit Competitiveness**
- **Financial Results**
- **Airport Charges**

The report also examines the relationship between various performance measures and airport characteristics in order to better explain the differences in airport performance.

PRODUCTIVITY AND EFFICIENCY

The report measures and compares a number of partial measures of productivity including labour productivity, capital productivity, and “soft cost input” productivity. These include the typical partial performers such as passengers per employee, passengers per gate etc.

In addition, this report introduces a number of new partial productivity measures including the “soft cost input” productivity. “Soft cost input” productivity, a measure unique to the ATRS Benchmarking Report, is a catch-all input which includes all expenses other than labour and capital and is used primarily to take into account the cost of buying in outsourced services.

The soft cost input account for 28% to 93% of an airports non-capital expenditures, as such, it is extremely important to consider this soft cost in examining airport performance.

UNIT COST AND UNIT COMPETITIVENESS

The report presents a number of unit cost measures. These include measures such as labour cost per passenger, labour cost per aircraft movement, etc. A unit cost index provides a means by which to examine the relationship to various airport characteristics and airport service levels.

FINANCIAL RESULTS

The report presents a number of revenue generation indicators and common financial ratios, including aeronautical revenue per aircraft movement, total revenue per passenger, return on equity, current ratio, return on asset, etc. A yield for total revenue per unit of output is also provided as an overall revenue generation indicator.

AIRPORT CHARGES

One means for airports to derive revenues is through charges associated with aeronautical activities. Aeronautical charges are levied for the use of an airport’s runway, apron and terminal facilities. Landing charges, typically based on the weight of the aircraft, terminal (Passenger) charges, generally levied on the number of passengers at time of departure, and aeronautical fee as a whole are compared in the report. Three types of aircraft reflecting different aircraft weight classes are considered: **Boeing 777-300ER, Boeing 767-400, Boeing 737-800, Airbus 321, and CRJ 200**. A breakdown of landing charges by weight categories and passenger charges by boarding passenger is also included.

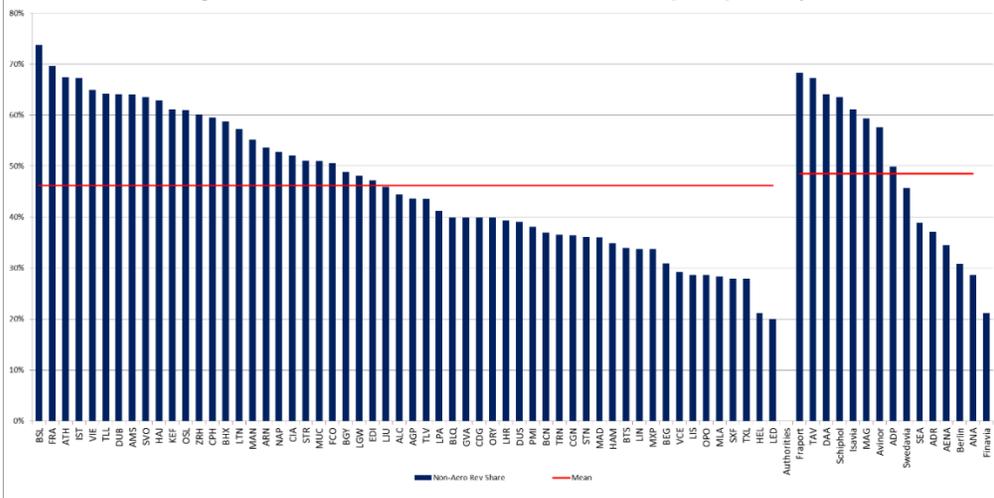
Samples

Figure 3.4.1a: Passenger Traffic (2017)
- Asia Pacific



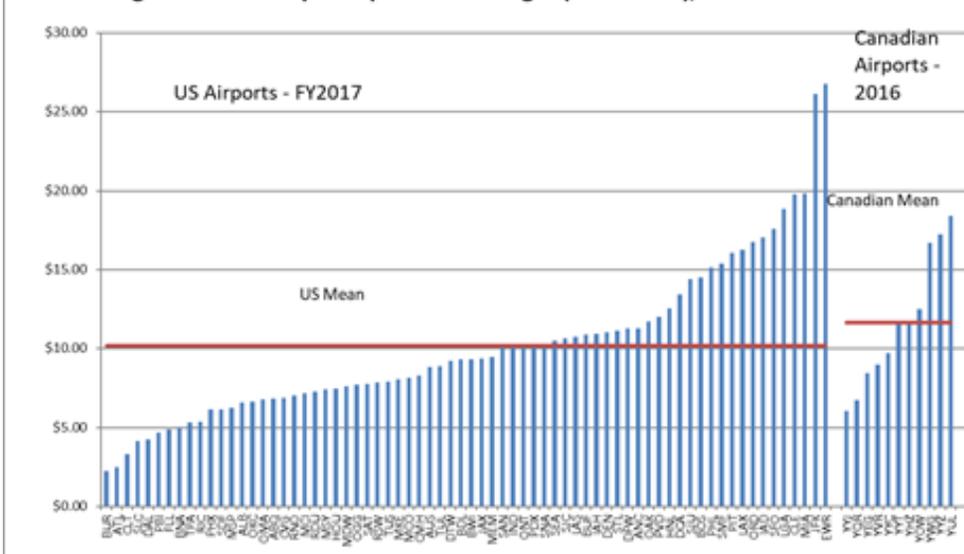
Airport Code	2013	2014	2015	2016	2017	%Change 16-17	% Change 13-17
PEK	83,712	86,128	89,939	94,393	95,786	1.48%	14.42%
DXB	66,497	70,476	78,015	83,654	88,242	5.48%	32.70%
HND	69,703	72,827	75,573	80,110	81,854	2.18%	17.43%
HKG	59,588	64,700	69,700	70,500	72,866	3.36%	22.28%
PVG	47,190	51,688	60,098	66,002	70,001	6.06%	48.34%
CAN	52,450	54,780	55,202	59,732	65,807	10.17%	25.47%
DEL	36,877	40,986	48,424	57,703	65,692	13.84%	78.14%
SIN	53,873	54,093	56,737	59,372	62,220	4.80%	15.49%
ICN	41,483	45,512	49,413	57,765	62,082	7.47%	49.66%
CGK	60,137	57,221	54,291	58,195	61,611	5.87%	2.45%
BKK	50,901	46,497	52,384	55,473	59,080	6.50%	16.07%
KUL	47,498	48,930	48,938	52,644	58,517	11.16%	23.20%
BOM	32,221	34,994	40,637	45,154	48,496	7.40%	50.51%
SZX	32,268	36,273	39,722	41,971	45,611	8.67%	41.35%
TPE	30,702	34,141	38,473	42,296	44,879	6.11%	46.18%
SYD	37,863	38,500	39,656	41,091	43,330	5.45%	14.44%
MNL	32,867	34,094	36,583	39,517	42,022	6.34%	27.86%
SHA	35,600	37,971	39,091	40,460	41,884	3.52%	17.65%
NRT	35,379	35,595	35,356	39,054	40,687	4.18%	15.00%
MEL	29,492	31,936	32,104	33,900	35,171	3.75%	19.25%
CJU	20,055	23,198	26,238	29,709	29,604	-0.35%	47.61%
KIX	18,126	20,049	23,973	25,720	28,804	11.99%	58.91%
SHA	19,904	21,567	23,164	25,043	25,101	0.23%	26.11%
NRT	19,753	20,864	21,814	22,738	24,485	7.69%	23.96%
MEL	21,391	21,845	22,275	22,685	22,881	0.86%	6.96%
HAK	11,936	13,854	16,167	18,804	22,585	20.11%	89.22%
MAA	12,896	14,299	15,218	18,362	20,361	10.89%	57.89%
SUB	17,684	17,479	16,640	19,486	18,997	-2.51%	7.42%
AKL	14,842	15,062	15,817	17,260	18,345	6.28%	23.60%
PUS	9,671	10,379	12,383	14,903	16,404	10.07%	69.61%
HKT	10,980	11,276	12,538	14,722	16,230	10.25%	47.82%
PER	13,810	14,000	13,984	12,556	12,381	-1.39%	-10.34%
NGO	9,702	9,885	10,411	10,843	11,540	6.43%	18.94%
CEB	6,996	6,840	7,781	8,831	10,051	13.82%	43.66%
CNX	5,173	6,213	8,070	9,208	9,973	8.31%	92.81%
CMB	7,312	7,781	8,508	9,466	9,958	5.19%	36.17%
ADL	7,377	7,853	7,842	7,893	8,090	2.49%	9.67%
PEN	5,488	6,042	6,259	6,684	7,232	8.19%	31.78%
MFM	5,027	5,481	5,831	6,629	7,166	8.11%	42.54%
CHC	5,584	5,690	5,916	6,306	6,733	6.77%	20.57%
OOL	5,805	5,784	5,865	6,273	6,479	3.28%	11.61%
WLG	5,437	5,457	5,796	5,965	6,115	2.51%	12.46%
CNS	4,442	4,556	4,658	4,711	4,941	4.87%	11.23%
HDY	2,465	2,944	3,568	3,871	4,347	12.29%	76.33%
PNH	2,394	2,666	3,079	3,389	4,240	25.13%	77.13%
REP	2,663	3,019	3,297	3,478	4,209	21.01%	58.03%
GUM	3,380	3,184	3,185	3,354	3,700	10.31%	9.46%
CEI	1,054	1,292	1,640	1,959	2,385	21.74%	126.33%
DRW	2,202	2,302	2,218	2,216	2,246	1.35%	1.99%
ZQN	1,249	1,399	1,651	1,780	1,892	6.32%	51.53%
TSV	1,557	1,595	1,551	1,530	1,590	3.90%	2.15%
NTL	1,178	1,190	1,144	1,257	1,265	0.65%	7.41%
DUD	860	853	862	910	973	6.98%	13.09%
NAN	1,982	2,027	2,211	2,047	-	-	-
Mean	22,531.05	23,616.02	25,220.24	27,214.40	28,835.94	7.1%	33.6%
AAI	169,027	190,100	223,616	264,970	308,750	16.52%	82.66%
AOT	86,135	87,572	106,790	119,924	133,116	11.00%	54.54%
APII	86,342	85,131	84,292	95,175	105,484	10.83%	22.17%
MAHB	79,587	83,348	83,830	88,977	96,637	8.61%	21.42%
API	71,912	73,228	73,936	84,756	89,752	5.90%	24.81%
KAC	55,157	61,628	69,366	78,524	82,073	4.52%	48.80%
APAC	31,220	32,080	32,200	35,200	36,500	3.69%	16.91%
QAL	7,755	7,577	7,662	8,109	8,276	2.05%	6.72%
Mean	64,369.19	67,037.00	85,211.32	96,954.31	107,573.57	7.9%	34.8%

Figure 6.1.1b: Non-Aeronautical Revenue Share (2017) - Europe



Airport Charges – Cost per enplaned passenger

Figure S-10c Cost per Enplaned Passenger (2016-2017), North America



Part I. Summary Report

Background and Objectives

Summary of Results

Results on the Productivity Measurement and Analysis

Partial Productivity Measures

Labour Productivity

Soft Cost Input Productivity

Capital Productivity

Variable Factor Productivity

Gross Variable Factor Productivity

Residual Variable Factor Productivity

Unit Variable Cost and Cost Competitiveness

Airport Cost Structure

Unit Variable Cost

Cost Competitiveness

Airport Financial Performance

Revenue Share

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Financial Profitability

Airport Rate and Charges

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Summary Tables of Airport Cost Performance

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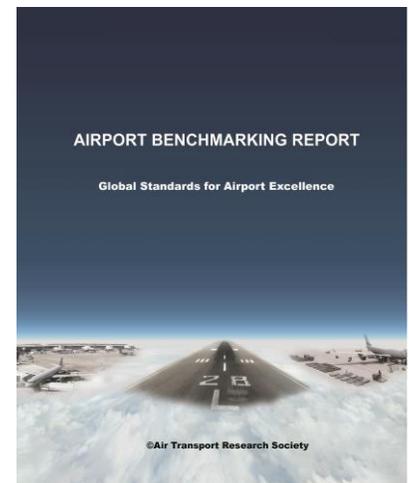
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