Award Winners: 2018 ATRS Global Airport Performance Benchmarking

Tae Oum
University of British Columbia

Chunyan Yu
Embry-Riddle Aeronautical University, yuc@erau.edu
Award Winners

ATRS Global Airport Performance Benchmarking Task Force:

Founding Chairman – Tae Oum; Coordinator - Chunyan Yu
Asia Pacific: Peter Forsyth, Xiaowen Fu, Yeong-Heok Lee, Yuichiro Yoshida, Japhet Law, Shinya Hanaoka
Europe: Nicole Adler, Jaap de Wit, Hans-Martin Niemeier, Eric Pels
North America: Bijan Vasigh, Jia Yan, Chunyan Yu
Middle East: Paul Hooper

Air Transport Research Society (ATRS)

www.atrsworld.org
Objective of the Benchmarking Study

- To provide a comprehensive, unbiased comparison of airport performance focusing on:
  - Productivity and Operating/Mgt Efficiency
  - Unit Cost Competitiveness
  - Financial Results
  - Comparison of Airport Charges

- Limitation: Service Quality is not considered
The 16th edition of ATRS Global Airport Benchmarking Report

The project is entirely funded by report and database sales
## Airports included in the 2018 Report

<table>
<thead>
<tr>
<th>Region</th>
<th>Airports</th>
<th>Airport Groups</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada-United States</td>
<td>81</td>
<td>15</td>
</tr>
<tr>
<td>Europe</td>
<td>71</td>
<td>15</td>
</tr>
<tr>
<td>Asia Pacific</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>38 Asian airports</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 Oceania airports</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>205</strong></td>
<td><strong>24</strong> airport groups</td>
</tr>
</tbody>
</table>
Number of airport passengers ranges from 909,614 passengers for Dunedin International Airport (New Zealand) to 104 million passengers for Hartsfield-Jackson Atlanta International Airport (United States) in 2016.

40 airports with only 1 runway, and 7 runways at DFW and 8 at ORD

Number of Employees ranges from 19 (Queenstown) to 18,333 (Frankfurt)

12 airports serve only international passengers, and international passengers account for less than 10% of total traffic at 62 airports
• Award Winning Airports are decided by rankings in terms of residual Variable Factor Productivity (VFP) Index in their respective region and size category.
2018 Top Efficiency Award Winners

Asia Pacific:

- Over 40 million passengers per year: Hong Kong
- 25-40 million passengers per year: Jeju International
- 10-25 million passengers per year: Gimhae International Airport
- Under 10 million passengers per year: Guam International
- Oceania Airports: Sydney
- Airport Groups: Korea Airport Corporation

Europe:

- Over 40 million passengers per year: Amsterdam
- Over 25 million passengers per year: Copenhagen
- 15-25 million passengers per year: Athens
- 5-15 million passengers per year: EuroAirport
- Airport Groups: Schiphol

© Air Transport Research Society (ATRS)
Top Efficiency Performers (2017)

North America (Canada/US):

- Over 40 million passengers per year: Atlanta,
- 25-40 million passengers per year: Minneapolis/St Paul,
- 15-25 million passengers per year: Vancouver International
- 5-15 million passengers per year: Raleigh–Durham
The ATRS Global Airport Performance Benchmarking Report: 3 volumes, over 600 pages of valuable data and analysis.

Details at www.atrsworld.org

Report and Database sale finances benchmarking research project
The ATRS Database

- The ATRS Database contains historic information (FY 2002-2016) including financial data, traffic and capacity data of the major airports and airport authorities (groups) in the following geographic regions:
  - Asia Pacific
  - Europe
  - North America

- The data in each region is segregated into:
  - Airport Information (capacity, type of ownership etc)
  - Traffic
  - Aeronautical Revenue
  - Non-Aeronautical Revenue
  - Operating Expense
  - Balance Sheet

Thank You!
고맙습니다!