

State of the industry: 4 Short stories in Airport economics Tampa 2019 ACI-NA Annual Conference Finance Workshop

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• Where are we now and where are we going?

Economic landscape and air transport demand across the world's airports



Myth #1:

 Aircraft-related revenues (from airlines) make-up the lion's share of airports' aeronautical revenues

Myth #2:

Most airports generate net profits and a positive return on invested capital

• Myth #3:

Most airports generate net profits and a pc



A World Bank Group Flagship Report

JANUARY 2019

Global Economic Prospects Darkening Skies



- Global output growth slowing in 2019
- Weakened global trade and
 Whystmate some of the
 Protections risks of rathe
 horizon?
 Lost momentum in some major
 - emerging markets (China)
 - Move from tightening of financing and credit to a "dovish" stance



Geopolitics and risks to global aviation





Where are we <u>now</u> with respect to air transport demand (pax)?





Where are we now w.r.t. global airport pax traffic?





Quarterly traffic growth in international air freight volumes (2018 - Q1 2019)





Passenger traffic growth by region year to date June 2019 versus 2018





AIRPORTS COUNCIL Smaller mid-sized airports have their day

in the sun...



ULCCs - Frontier, Spirit aggressive capacity expansions

Legacy - United expanding domestically to smaller airports

LCC - Southwest expands internationally

Rank	City	IATA Code	Passengers 2018	% Change		
1	Jacksonville FL	JAX	6,459,637	14.7%		
2	San Jose CA	SJC	14,319,292	13.9%		
3	Austin TX	AUS	15,819,912	13.2%		
4	Nashville TN	BNA	15,996,029	12.2%		
5	Ontario CA	ONT	5,112,975	11.1%		
6	Burbank CA	BUR	5,263,972	10.8%		
7	San Antonio TX	SAT	10,044,411	10.4%		
8	Sacramento CA	SMF		10.3%		
0	Sacramento CA	SIVIF	12,050,763	10.3%		
9	Albuquerque NM	ABQ	5,467,693	9.7%		
10	Raleigh-Durham NC	RDU	12,801,697	9.7%		



Where are we going w.r.t. air transport demand (pax)?



Where are we going?





A doubling of pax traffic within 17 years





The eastward shift

market shares: 2017 (inner circle) vs 2040 (outer circle)





2017-2022 (medium term)

2017-2040 (long term)



Pax traffic

Aero

revenue

Non-aero revenues

Financial performance



Economic landscape and air transport demand across the world's airports

Myth #1:

Aircraft-related revenues (from airlines) make-up the lion's share of airports' aeronautical revenues

Myth #2:

Most airports generate net profits and a positive return on invested capital

Myth #3:

Most airports generate net profits and a positive capital





Global industry revenue by source (2017)



Source: ACI Airport Economics Survey (2018)

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Myth #1:

Aircraft-related revenues (from airlines) make-up the lion's share of airports' aeronautical revenues





Revenues and cost per pax (2017)



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Ratio of aircraft-related to passenger-related revenues by region (2017)



* Aircraft-related revenues refer to landing, parking, boarding bridge, noise and environmental, navaid and all other aircraftrelated charges (e.g., de-icing).

** Terminal rentals are mainly limited to North America. The Federal Aviation Administration (FAA) classifies terminal rentals as passenger airline aeronautical revenues.

*** Passenger-related revenues refer to passenger charges (including AIF and PFC charges), security charges, transfer/transit charges and all other passenger-related charges (e.g., PRM).

Source: ACI Airport Economics Survey (2018)



Myth #1:

Aircraft-related revenues (charges to airlines) make-up the lion's share of airports' aeronautical revenues

False: Ratio Passenger-related revenues make-up 55.3% vs. aircraftrelated / terminal revenues



Myth #2:

% share of non-aeronautical revenue has grown over time relative to aero as % of total revenue





Distribution of non-aeronautical revenue by source (2017)

- Retail concession leading source in rest of world (Middle East)
- Car parking leading source in North America

	Retail concessions	Food and beverage	Car parking**	Rental car concessions	Advertising
Africa	31.9%	1.5%	10.7%	3.2%	3.5%
Asia-Pacific	45.4%	3.7%	7.1%	0.8%	3.7%
Europe	35.7%	4.7%	16.1%	2.3%	1.9%
Latin America-Caribbean	26.9%	6.9%	10.6%	4.0%	4.5%
Middle East	52.9%	3.9%	9.1%	1.3%	1.7%
North America	8.0%	7.7%	40.7%	17.1%	0.6%
World	30.2%	5.3%	20.1%	6.2%	2.2%

**Car parking revenue includes revenue from airport-operated parking lots and car parking concessions revenue

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What is the performance of non-aeronautical vs. aeronautical revenues?









Commercial

Aeronautical

Output (traffic)

Revenue



2005-2017 Compounded annual growth rate (inflation adjusted)

Some variability for certain years but on the whole:

Commercial / non-aeronautical: **4.9%**

Aeronautical: **5.7%**



Evolution of airport revenues by source (2005-2017)



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Source: ACI Airport Economics Survey (2018)



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Reasons for slight proportional decline (2017 vs. 2005)

• Mature markets slowing non-aero revenue growth pulling down global figure;



- Weakened Euro-area; slowed growth in non-aeronautical;
- Intra-EU rules on duty-free shopping (no tax advantage);
- **Competition** from other commercial sources (online retail Alibaba, Amazon, etc.);
- Heightened security; longer security queues vs. dwell time, security charge, etc.;



Myth #2:

% share of non-aeronautical revenue is growing more than aeronautical as % of total revenue

False: On annualized basis from 2005 to 2017, non-aeronautical revenue % is lower (4.9%) than aero (5.7%)





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Myth #3:

Most airports generate net profits and a positive return on invested capital





Caveats on profitability as concept:

- Heterogeneous regulations across varied jurisdictions, which affect costs and revenues;
- Differing objectives: cost recovery vs. profit maximization





Caveats on measures of profitability:

 Net profit and EBITDA margins are insufficient measures of profitability and financial health;

 Return on Invested Capital takes into consideration the <u>balance sheet</u> (i.e. the capital intensive business of airports)







Paradox: Overall industry is in the black yet most airports lose money



Distribution of airports by airport size*



*Source: ACI Airport Economics Survey (2017) and Official Airline Guide (2017)

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Distribution of airports with a net loss*



September 1[§]Source: ACI Airport Economics Survey (2017) and Official Airline Guide (2017)



Proportion of airports with net profits*



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Revenues and costs per passenger (US\$ 2017)







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Myth #3:

Most airports generate net profits and a positive return on invested capital

False: 66% of airports globally operate at a net loss and most of these airports have <1m passengers







Summary:

- Slowed growth or recession? Spillover to aviation?
 - Pax growth moderating over near term; Air cargo in the negative; Long term fundamentals remain strong
- Greater reliance on passenger-related revenues as opposed to aircraft-related revenues
 - Shared risk between airlines and airports to pass on the largest proportion of aeronautical to the ultimate end user;
- Globally proportion of non-aero revenues is <u>not</u> growing faster than aeronautical (European non-aero maturity; S-curve, pax related revenues);
 - Point of satiation with limitations on revenue growth depending on where you are located on the S-curve
- Size matters Overall industry is in the black yet most airports lose money
 - Policy question: How do we finance these smaller airports?





Questions?

Economics of airports

Economic oversight and regulation

Thank you

Investment and financial sustainability

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