



<http://www.icao.int/sustainability/Pages/Air-Traffic-Monitor.aspx>

GLOBAL KEY FIGURES

AUG 2017
(versus AUG 2016)

RPK ▲ +7.2% **ASK** ▲ +6.3% **FTK** ▲ +12.1% **LF**: 84.5% ▲ +0.7 pts

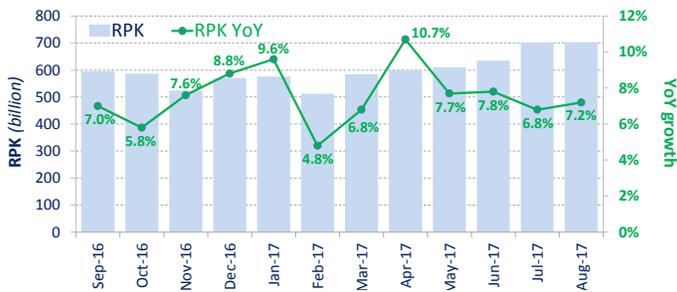
OUTLOOK* - SEP 2017
(versus SEP 2016)

ASK ▲ +6.7% * Source OAG

PASSENGER TRAFFIC

Revenue Passenger-Kilometres - RPK

World passenger traffic grew by +7.2% YoY in August 2017, +0.4 percentage points up from the growth in the previous month. Global traffic growth momentum remained solid, supported by the improving economic conditions. Three regions posted an acceleration in growth, namely Asia/Pacific, the Middle East and North America. Despite a slight improvement, the Middle East experienced the slowest growth among all regions, partly impacted by the outbound travel restrictions from the region. India's domestic travel demand remained strong and recorded the fastest growth.



(Source: ICAO, IATA, OAG)

CAPACITY

Available Seat-Kilometres - ASK

Capacity worldwide increased by +6.3% YoY in August 2017, +0.2 percentage points higher than the growth in the previous month (+6.1%).

In response to the same level of passenger traffic demand, the expansion of capacity is expected to be at +6.7% in September 2017.

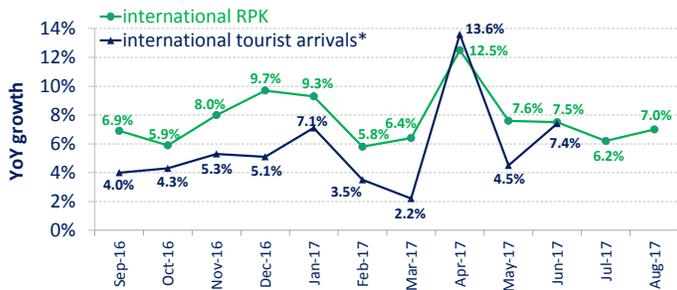


(Source: ICAO, IATA, OAG)

International Traffic vs. Tourist Arrivals

International passenger traffic grew by +7.0% YoY in August 2017, +0.8 percentage points up from the growth in the previous month. Latin America/Caribbean remained as the fastest growing region, owing to the economy recovery in the region. Asia/Pacific was the other region posting a growth higher than the world average.

The growth of international tourist arrivals* is expected to follow a similar monthly trend.



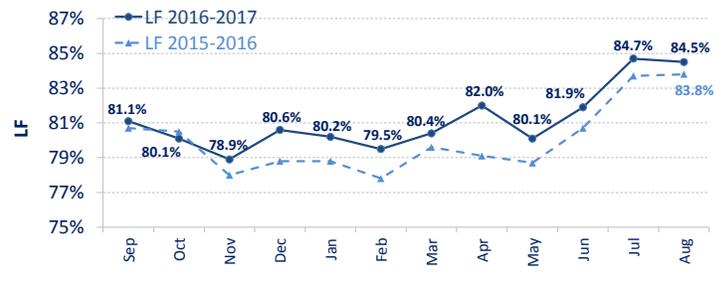
(Source: IATA, UNWTO)

*UNWTO Definition

Load Factor - LF

The passenger Load Factor reached 84.5% in August 2017, -0.2 percentage points lower than the LF recorded in the previous month.

Owing to the YoY traffic growth outpacing the capacity expansion, the August LF recorded +0.7 percentage points higher than the rate in the same period in 2016.



(Source: IATA)

FREIGHT TRAFFIC

Freight Tonne-Kilometres - FTK

World freight traffic grew by +12.1% YoY in August 2017, +0.7 percentage points higher than the growth in the previous month. Freight traffic continued to grow rapidly in recent months, underpinned by the increasing import and export orders. All regions recorded double-digit growth, except for Latin America/Caribbean, which, however, have demonstrated a strong upward trend for the last two quarters. Africa remained as the fastest growing region and grew by over +20.0%, supported by the strengthening in trade between Africa and Asia/Pacific. The Middle East posted a pick up, mainly due to the comparison with the low traffic in the same period last year.



(Source: IATA)

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TOP 15 AIRPORTS (Ranked by aircraft departures, passengers and volume of freight)

AUG 2017: +0.4%, +4.0%, and +9.1% YoY in terms of aircraft departures, passengers and freight for the Top 15

AUG 17

Airports (ranking by number of departures)	Departures	YoY
Chicago IL, US (ORD)	40,055	↑ 2.4%
Atlanta GA, US (ATL)	39,191	↑ 0.1%
Los Angeles CA, US (LAX)	31,034	↓ -4.1%
Dallas/Fort Worth TX, US (DFW)	29,085	↓ -0.1%
Denver CO, US (DEN)	26,483	↑ 2.3%
Beijing, CN (PEK)	25,236	↓ -4.8%
Amsterdam, NL (AMS)	24,129	↑ 2.6%
Charlotte NC, US (CLT)	23,603	↑ 0.4%
Paris, FR (CDG)	22,373	↓ -0.6%
Istanbul, TR (IST)	22,000	↑ 2.8%
San Francisco CA, US (SFO)	21,693	↑ 3.9%
Toronto ON, CA (YYZ)	21,637	↑ 1.1%
Frankfurt, DE (FRA)	21,467	↑ 2.7%
Shanghai, CN (PVG)	21,181	→ 0.0%
London, GB (LHR)	21,047	↓ -0.1%

Airports (ranking by number of passengers)	Passengers*	YoY
Atlanta GA, US (ATL)	4,643,268	↑ 5.4%
Beijing, CN (PEK)	4,128,086	↓ -5.0%
Dubai, AE (DXB)	4,116,656	↑ 6.6%
Tokyo, JP (HND)	3,981,902	↑ 5.1%
Los Angeles CA, US (LAX)	3,965,062	↑ 4.4%
Chicago IL, US (ORD)	3,825,892	↑ 3.6%
London, GB (LHR)	3,741,252	↑ 1.9%
Paris, FR (CDG)	3,428,763	↑ 5.0%
Amsterdam, NL (AMS)	3,398,671	↑ 6.0%
Istanbul, TR (IST)	3,308,899	↑ 10.6%
Hong Kong, CN (HKG)	3,246,500	↑ 5.7%
Frankfurt, DE (FRA)	3,145,662	↑ 5.0%
Shanghai, CN (PVG)	3,143,813	↑ 1.2%
Dallas/Fort Worth TX, US (DFW)	3,002,778	↑ 5.5%
New York NY, US (JFK)	2,995,662	↑ 2.4%

Airports (ranking by tonnes of freight)	Freight**	YoY
Hong Kong, CN (HKG)	412,000	↑ 10.1%
Memphis TN, US (MEM)	375,175	↑ 4.7%
Shanghai, CN (PVG)	307,808	↑ 12.4%
Anchorage AK, US (ANC)	233,868	↑ 6.1%
Incheon, KR (ICN)	230,673	↑ 10.1%
Dubai, AE (DXB)	221,508	↑ 10.2%
Louisville KY, US (SDF)	216,926	↑ 8.0%
Taipei, CN (TPE)	194,386	↑ 11.9%
Tokyo, JP (NRT)	189,624	↑ 7.2%
Singapore, SG (SIN)	180,600	↑ 10.7%
Los Angeles CA, US (LAX)	178,233	↑ 8.5%
Chicago IL, US (ORD)	172,305	↑ 19.3%
Frankfurt, DE (FRA)	171,761	↑ 5.6%
Beijing, CN (PEK)	169,043	↑ 5.0%
Doha, QA (DOH)	164,708	↑ 9.5%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of **aircraft departures**, the Top 15 airports reported an increase of **+0.4%** YoY. For the first time of the year, **Chicago** ranked over Atlanta and became **1st**. Several major airports posted decreases in operations. **Beijing** continued to post the largest decline with the Top 15 (**-4.8%**), impacted by flight cancellations due to weather.

In terms of **passengers**, the Top 15 airports reported a growth of **+4.0%** YoY. **Beijing** was the only airport posting a decline within the Top 15 (**-5.0%**), due to weather related flight cancellations. **Atlanta** retained its position at **1st** with a growth of **+5.4%**. **Istanbul** recorded the strongest growth by **+10.6%**, comparing to the low traffic in the same period last year.

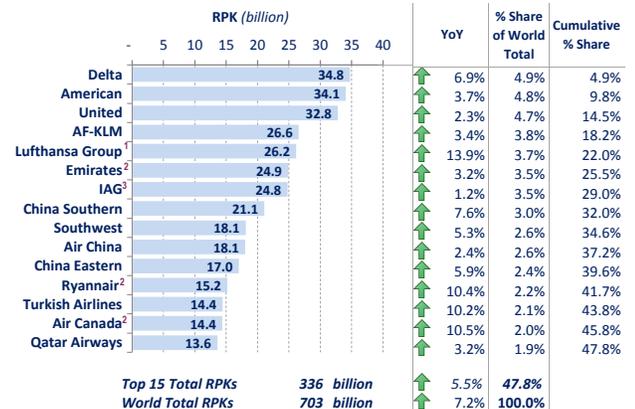
In terms of **freight**, the Top 15 airports reported a strong growth of **+9.1%** YoY. All the Top 15 airports recorded increases with seven airports posting double-digit growth. With the opening of the new cargo facility corresponding to the increasing demand, **Chicago** continued to record the strongest growth within the Top 15 by **+19.3%**.

TOP 15 AIRLINE GROUPS (Ranked by RPK)

AUG 2017: +5.5% YoY in terms of RPK for the Top 15

AUG 17

In terms of RPK, the Top 15 airline groups accounted for **47.8%** of world total RPK in August 2017, and grew by **+5.5%** YoY. This growth was -1.7 percentage point lower than the world average on scheduled services. All the Top 15 airline groups posted YoY increases.



Delta ranked over American and became **1st** with a growth of **+6.9%** YoY, contributed by the nearly double-digit growth in domestic traffic. **American** and **United** grew modestly, and ranked **2nd** and **3rd**, respectively. **Southwest** remained at **9th** with a growth of **+5.3%**. **Air Canada** continued to record the strongest growth within the North American airlines in the Top 15 and ranked **14th**.

Emirates remained at **6th** with a moderate growth of **+3.2%**.

AF-KLM and **Lufthansa** ranked **4th** and **5th**, respectively. **Lufthansa** recorded the highest growth within the Top 15 by **+13.9%**, owing to the surge in traffic performed by the group's "Point-to-Point" airlines. **IAG** remained at **7th** with a marginal growth of **+1.2%**. **Turkish Airlines** continued to grow strongly and ranked **13th**.

The Asia/Pacific airlines grew moderately compared to the first half of the year. **China Southern**, **Air China** and **China Eastern** remained at the position of **8th**, **10th** and **11th** with a growth of **+7.6%**, **2.4%** and **+5.9%**, respectively.

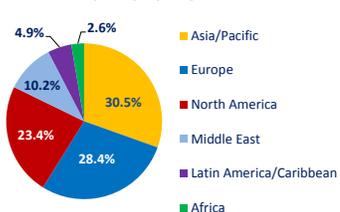
(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

CAPACITY BY REGION (ICAO Statistical Regions)

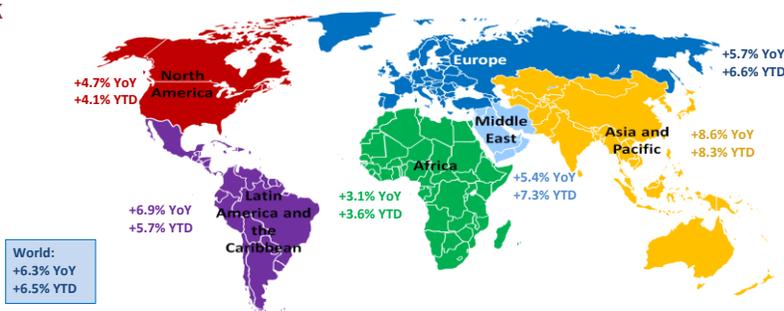
AUG 2017: +6.3% YoY in terms of World ASK

% Share of Capacity by Region



(Source: ICAO, IATA, OAG)

Note: Total scheduled services



All regions posted an expansion in capacity in August 2017 with a **+6.3%** YoY increase in capacity worldwide. Two regions, **Asia/Pacific** and **Latin America/Caribbean** posted faster expansion than the world average growth. **Asia/Pacific** recorded the fastest capacity expansion while **Africa** posted the smallest increase.

The world capacity expanded by **+6.5%** on the YTD basis.

* Embarked Passengers ** Loaded and Unloaded Freight in Tonnes 1. Lufthansa Airlines, Germanwings, SWISS, Austrian Airlines, Brussels Airlines, Sun Express, and Lufthansa Cargo 2. ICAO estimates 3. British Airways, Iberia, and Vueling