



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

### GLOBAL KEY FIGURES

**SEP 2017**  
(versus SEP 2016)

**RPK** ▲ +5.7% **ASK** ▲ +5.3% **FTK** ▲ +9.2% **LF**: 81.6% ▲ +0.5 pts

**OUTLOOK\* - OCT 2017**  
(versus OCT 2016)

**ASK** ▲ +6.2% \* Source OAG

### PASSENGER TRAFFIC

#### Revenue Passenger-Kilometres - RPK

World passenger traffic grew by +5.7% YoY in September 2017, -1.5 percentage points down from the growth in the previous month. Traffic growth this month was impacted by the tropical storms and hurricanes, and was the second slowest during the year. The hurricane disruption resulted in a significant drop in traffic growth for North America, and the region experienced the weakest performance. The fastest growing regions are Asia/Pacific and Europe, and both grew relatively stable compared to August. Domestic travel demand in India and China remained strong and posted double-digit growth.



(Source: ICAO, IATA, OAG)

### CAPACITY

#### Available Seat-Kilometres - ASK

Capacity worldwide increased by +5.3% YoY in September 2017, -1.0 percentage points lower than the growth in the previous month (+6.3%).

In response to the level of passenger traffic demand, the expansion of capacity is expected to recover to +6.2% in October 2017.



(Source: ICAO, IATA, OAG)

### International Traffic vs. Tourist Arrivals

International passenger traffic grew by +6.5% YoY in September 2017, -0.5 percentage points down from the growth in the previous month. Asia/Pacific posted the fastest growth owing to the solid economic condition. Latin America/Caribbean and Europe were the other regions posting a growth higher than the world average.

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



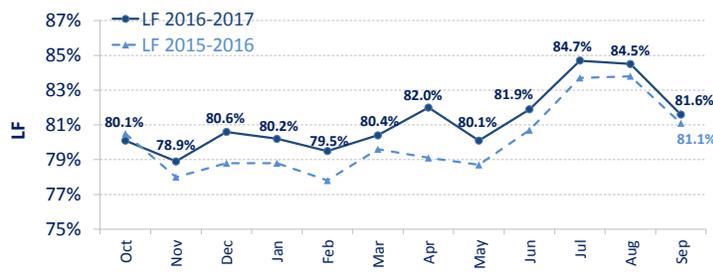
(Source: IATA, UNWTO)

\*UNWTO Definition

### Load Factor - LF

The passenger Load Factor reached 81.6% in September 2017, -2.9 percentage points lower than the LF recorded in the previous month.

Owing to the YoY traffic growth outpacing the capacity expansion, the September LF recorded +0.5 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 +9.2% YoY in September 2017, -2.9 percentage points lower than the growth in the previous month. Freight traffic growth remained solid; however, all regions posted a deceleration in growth, indicating an easing upward trend. Africa continued to be the fastest growing region, supported by the increasing trade between Africa and Asia/Pacific. Europe grew double-digitally as well, owing to the strengthening in trade with the region's biggest markets and strong freight demand. The slowest growth was posted by North America, mainly due to the impact of hurricanes on its domestic market.

Freight traffic growth outpaced the freight capacity expansion. As a result, the freight load factor exceeded its YTD rate by around +1.0 percentage point.



(Source: IATA)

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

SEP 2017: -0.2%, +2.6%, and +6.5% YoY in terms of aircraft departures, passengers and freight for the Top 15

SEP 17

Airports (ranking by number of departures)	Departures	YoY
Chicago IL, US (ORD)	36,807	↑ 0.3%
Atlanta GA, US (ATL)	34,511	↓ -5.9%
Los Angeles CA, US (LAX)	28,039	↓ -1.7%
Dallas/Fort Worth TX, US (DFW)	26,586	↓ -2.4%
Beijing, CN (PEK)	25,896	↑ 2.1%
Las Vegas NV, US (LAS)	23,602	↓ -0.3%
Denver CO, US (DEN)	23,566	↓ -2.7%
Amsterdam, NL (AMS)	22,940	↑ 2.4%
Charlotte NC, US (CLT)	22,052	↑ 1.2%
Frankfurt, DE (FRA)	21,740	↑ 3.6%
Paris, FR (CDG)	21,227	↑ 0.2%
Istanbul, TR (IST)	20,819	↑ 0.4%
Shanghai, CN (PVG)	20,777	↑ 3.6%
London, GB (LHR)	20,384	↑ 0.0%
Toronto ON, CA (YYZ)	20,198	↑ 1.0%

Airports (ranking by number of passengers)	Passengers*	YoY
Beijing, CN (PEK)	4,133,215	↑ 1.9%
Atlanta GA, US (ATL)	3,937,270	↓ -7.7%
Dubai, AE (DXB)	3,607,591	↑ 1.7%
Tokyo, JP (HND)	3,560,811	↑ 3.4%
London, GB (LHR)	3,465,232	↑ 2.0%
Chicago IL, US (ORD)	3,435,581	↑ 1.1%
Los Angeles CA, US (LAX)	3,392,545	↑ 2.8%
Amsterdam, NL (AMS)	3,134,058	↑ 6.7%
Frankfurt, DE (FRA)	3,114,668	↑ 5.4%
Paris, FR (CDG)	3,102,283	↑ 6.7%
Istanbul, TR (IST)	3,013,309	↑ 7.3%
Shanghai, CN (PVG)	2,900,290	↑ 4.2%
Hong Kong, CN (HKG)	2,795,000	↑ 2.0%
Dallas/Fort Worth TX, US (DFW)	2,698,403	↓ -1.0%
Guangzhou, CN (CAN)	2,693,794	↑ 8.1%

Airports (ranking by tonnes of freight)	Freight**	YoY
Hong Kong, CN (HKG)	430,000	↑ 9.1%
Memphis TN, US (MEM)	356,948	↓ -0.6%
Shanghai, CN (PVG)	326,164	↑ 12.3%
Incheon, KR (ICN)	249,236	↑ 11.3%
Anchorage AK, US (ANC)	235,242	↑ 5.9%
Dubai, AE (DXB)	217,120	↑ 5.8%
Louisville KY, US (SDF)	205,644	↑ 2.3%
Tokyo, JP (NRT)	198,016	↑ 5.9%
Taipei, CN (TPE)	195,561	↑ 12.3%
Beijing, CN (PEK)	186,047	↑ 6.6%
Singapore, SG (SIN)	183,600	↑ 9.9%
Frankfurt, DE (FRA)	177,464	↑ 4.3%
Chicago IL, US (ORD)	173,353	↑ 5.5%
Los Angeles CA, US (LAX)	171,022	↑ 6.1%
Paris, FR (CDG)	166,000	↓ -0.1%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of **aircraft departures**, the Top 15 airports reported a decline of **-0.2%** YoY. Due to the impacts of hurricanes, five airports in North America posted declines in operations. **Atlanta** registered the biggest decline within the Top 15 by **-5.9%**, followed by **Denver** (**-2.7%**). **Chicago** retained its position at **1st** albeit with marginal growth.

In terms of **passengers**, the Top 15 airports reported a growth of **+2.6%** YoY. **Atlanta** was hit by the hurricane related traffic disruption and posted the largest decline within the Top 15 by **-7.7%**. **Beijing**, therefore, overtook Atlanta and became **1st** with a moderate growth of **+1.9%**. Stronger growth was mainly observed in Europe with **Istanbul** posting the highest European growth by **+7.3%**.

In terms of **freight**, the Top 15 airports reported a growth of **+6.5%** YoY. All the Top 15 airports recorded increases, except for **Memphis** (**-0.6%**) and **Paris** (**-0.1%**). Three airports in Asia/Pacific, i.e. **Shanghai**, **Taipei** and **Incheon**, posted the strongest growth within the Top 15 and grew double-digitally. **Hong Kong** remained at 1st with a growth of **+9.1%**.

## TOP 15 AIRLINE GROUPS (Ranked by RPK)

SEP 2017: +3.7% YoY in terms of RPK for the Top 15

SEP 17

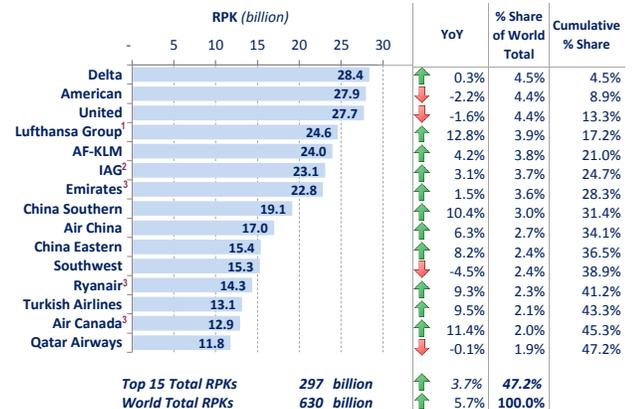
In terms of RPK, the Top 15 airline groups accounted for **47.2%** of world total RPK in **September 2017**, and grew by **+3.7%** YoY. This growth was **-2.0** percentage point lower than the world average on scheduled services. Eleven out of the Top 15 airline groups posted YoY increases.

**Delta** remained at **1st** with a marginal growth of **+0.3%** YoY. The other two major airlines, **American** and **United**, posted declines and ranked **2nd** and **3rd**, respectively. With a decrease of **-4.5%**, **Southwest** ranked 2 positions down to **11th**. **Air Canada** continued to record the strongest growth within the North American airlines in the Top 15 and ranked **14th**.

**Emirates** dropped 1 position to **7th** with a moderate growth of **+1.5%**.

Supported by the continued strong performance of the group's "Point-to-Point" airlines, **Lufthansa** recorded the highest growth among the Top 15 by **+12.8%**, and ranked over **AF-KLM** becoming **4th**. **IAG** improved 1 position and surpassed **Emirates** to **6th**, albeit with a moderate growth of **+3.1%**. **Turkish Airlines** continued to grow strongly and ranked **13th**.

Airlines in the Asia/Pacific airlines demonstrated solid growth. **China Southern** grew by **+10.4%** and remained at **8th**. Both **Air China** and **China Eastern** improved 1 position to **9th** and **10th**, with a growth of **+6.3%** and **+8.2%**, respectively.



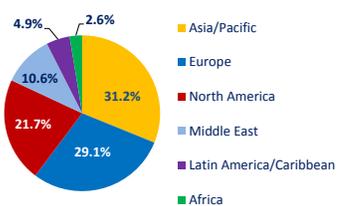
(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

## CAPACITY BY REGION (ICAO Statistical Regions)

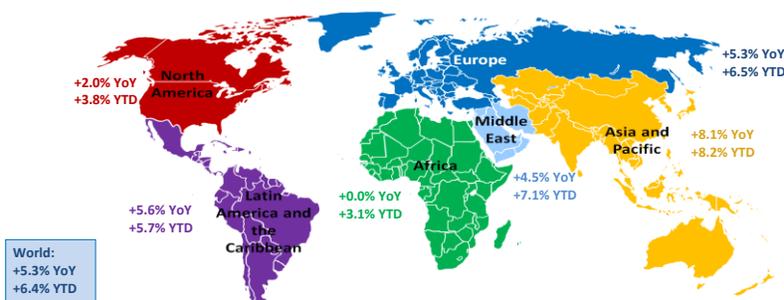
SEP 2017: +5.3% YoY in terms of World ASK

% Share of Capacity by Region



(Source: ICAO, IATA, OAG)

Note: Total scheduled services



All regions posted an expansion in capacity in September 2017 with a **+5.3%** YoY increase in capacity worldwide. Two regions, **Asia/Pacific** and **Latin America/Caribbean** posted faster expansion than the world average growth. **Asia/Pacific** continued to record the fastest capacity expansion while **Africa** remained unchanged.

The world capacity expanded by **+6.4%** 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. British Airways, Iberia, and Vueling 3. ICAO estimates