



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

### GLOBAL KEY FIGURES

**DEC 2017**  
(versus DEC 2016)

**RPK** ▲ +6.2% **ASK** ▲ +5.8% **FTK** ▲ +5.7% **LF**: 80.7% ▲ +0.1 pt

**OUTLOOK\* - JAN 2018**  
(versus JAN 2017)

**ASK** ▲ +6.0% \* Source OAG

### PASSENGER TRAFFIC

#### Revenue Passenger-Kilometres - RPK

World passenger traffic grew by +6.2% YoY in December 2017, -1.8 percentage points lower from the growth in the previous month. This was the third slowest rate after the distorted growth in February comparing to the leap year 2016 and disrupted traffic in September due to hurricanes. All regions posted a deceleration in growth. The fastest growing region continued to be Asia/Pacific while the slowest growing regions were Africa and the Middle East. Domestic traffic demand in India and China remained strong and both grew double-digitally.



(Source: ICAO, IATA, OAG)

### CAPACITY

#### Available Seat-Kilometres - ASK

Capacity worldwide increased by +5.8% YoY in December 2017, -0.5 percentage points lower than the growth in the previous month (+6.3%).

In response to the same level of passenger traffic demand, the expansion of capacity is expected to be at +6.0% in January 2018.

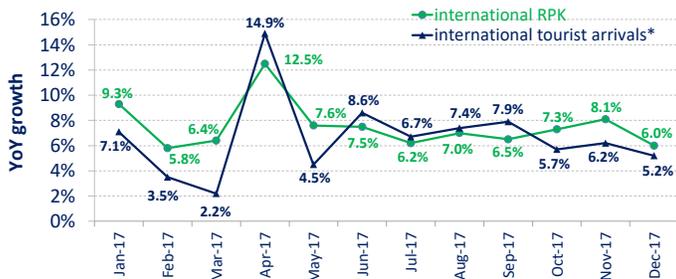


(Source: ICAO, IATA, OAG)

#### International Traffic vs. Tourist Arrivals

International passenger traffic grew by +6.0% YoY in December 2017, -2.1 percentage points lower from the growth in the previous month. All regions decelerated in growth, except for Latin America/Caribbean which recorded the second highest growth after Asia/Pacific.

The growth of international tourist arrivals\* followed a similar monthly trend.



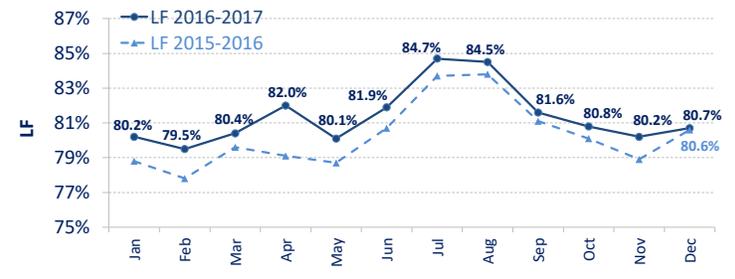
(Source: IATA, UNWTO)

\*UNWTO Definition

#### Load Factor - LF

The passenger Load Factor reached 80.7% in December 2017, +0.5 percentage points higher than the LF recorded in the previous month.

The December LF was slightly higher than the rate in the same period in 2016.



(Source: IATA)

### FREIGHT TRAFFIC

#### Freight Tonne-Kilometres - FTK

World freight traffic grew by +5.7% YoY in December 2017, -3.1 percentage points lower from the growth in the previous month. This slowdown was partly due to the comparison with the strong traffic rebound observed in December 2016. The YTD growth of 2017 overall reached at +9.5%, a significant improvement from the +3.8% registered in 2016. Africa continued to record the fastest growth, supported by the strengthening in trade between Africa and Asia/Pacific. Latin America/Caribbean and Europe experienced the slowest growth among all regions.

Freight traffic growth outpaced the freight capacity expansion. As a result, the freight load factor exceeded its YTD rate by over +1.3 percentage points.



(Source: IATA)

» Continued from page 1

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

DEC 2017: +3.8%, +4.3%, and +4.5% YoY in terms of aircraft departures, passengers and freight for the Top 15

DEC 17

Airports (ranking by number of departures)	Departures	YoY	Airports (ranking by number of passengers)	Passengers*	YoY	Airports (ranking by tonnes of freight)	Freight**	YoY
Atlanta GA, US (ATL)	34,714	↓ -4.3%	Beijing, CN (PEK)	4,059,843	↑ 3.7%	Hong Kong, CN (HKG)	462,000	↑ 6.2%
Chicago IL, US (ORD)	33,097	↓ -0.1%	Atlanta GA, US (ATL)	4,024,995	↓ -4.4%	Memphis TN, US (MEM)	375,692	↑ 0.6%
Los Angeles CA, US (LAX)	29,537	↓ -1.2%	Dubai, AE (DXB)	3,927,329	↑ 1.9%	Shanghai, CN (PVG)	326,054	↑ 1.7%
Dallas/Fort Worth TX, US (DFW)	27,515	↓ -0.2%	Los Angeles CA, US (LAX)	3,548,967	↑ 3.3%	Louisville KY, US (SDF)	274,776	↑ 5.5%
Beijing, CN (PEK)	25,826	↑ 0.8%	Tokyo, JP (HND)	3,313,273	↑ 1.0%	Incheon, KR (ICN)	249,849	↑ 6.3%
Denver CO, US (DEN)	23,516	↓ -1.1%	Hong Kong, CN (HKG)	3,202,500	↑ 4.2%	Anchorage AK, US (ANC)	245,846	↑ 7.1%
Charlotte NC, US (CLT)	22,982	↑ 1.1%	London, GB (LHR)	3,169,152	↑ 2.8%	Dubai, AE (DXB)	229,019	↓ -0.5%
Shanghai, CN (PVG)	21,131	↑ 3.9%	Chicago IL, US (ORD)	3,041,561	↑ 3.9%	Taipei, CN (TPE)	206,581	↑ 4.9%
New York NY, US (LGA)	20,938	↑ 39.9%	New Delhi, IN (DEL)	2,973,595	↑ 15.3%	Tokyo, JP (NRT)	202,867	↑ 5.2%
Newark NJ, US (EWR)	20,280	↑ 9.4%	Singapore, SG (SIN)	2,931,000	↑ 3.3%	Miami FL, US (MIA)	194,293	↑ 6.1%
Jakarta, ID (CGK)	20,175	↑ 8.8%	Jakarta, ID (CGK)	2,915,265	↑ 4.9%	Paris, FR (CDG)	191,000	↑ 6.7%
New Delhi, IN (DEL)	20,125	↑ 13.7%	Shanghai, CN (PVG)	2,914,086	↑ 8.8%	Singapore, SG (SIN)	188,700	↑ 6.4%
Guangzhou, CN (CAN)	20,080	↑ 5.3%	Guangzhou, CN (CAN)	2,858,102	↑ 10.0%	Beijing, CN (PEK)	187,369	↑ 0.3%
San Francisco CA, US (SFO)	19,841	↑ 8.2%	Kuala Lumpur, MY (KUL)	2,814,585	↑ 5.2%	Los Angeles CA, US (LAX)	179,720	↑ 5.2%
Houston TX, US (IAH)	19,476	↓ -1.2%	Bangkok, TH (BKK)	2,812,382	↑ 9.3%	Chicago IL, US (ORD)	177,750	↑ 10.8%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of **aircraft departures**, the Top 15 airports reported an increase of **+3.8%** YoY. Decline was observed in North America with six major airports posting decrease. **Atlanta** ranked **1st**, however, posted a decline of **-4.3%** due to the power outage at the airport. **New York LaGuardia** recorded a substantial increase by **+39.9%**.

In terms of **passengers**, the Top 15 airports reported a growth of **+4.3%** YoY. **Atlanta** was the only airport experiencing a decrease in passenger traffic due to the power outage caused flight disruption. **Beijing** ranked over Atlanta became **1st** albeit with a moderate growth of **+3.7%**. The strongest increase was recorded by **New Delhi** (**+15.3%**), followed by **Guangzhou** (**+10.0%**).

In terms of **freight**, the Top 15 airports reported a growth of **+4.5%** YoY. All the Top 15 airports recorded an increase, except for **Dubai** with a decline of **-0.5%**. **Hong Kong** remained at **1st** with a solid increase of **+6.2%**. The strongest growth was recorded by **Chicago** (**+10.8%**), continually supported by the expansion of new cargo facility.

### TOP 15 AIRLINE GROUPS (Ranked by RPK)

DEC 17

DEC 2017: +5.4% YoY in terms of RPK for the Top 15

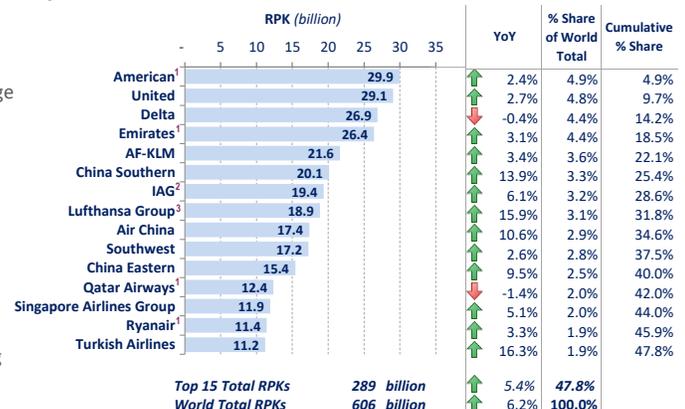
In terms of RPK, the Top 15 airline groups accounted for 47.8% of world total RPK in December 2017, and grew by **+5.4%** YoY. This growth was -0.8 percentage points lower than the world average on scheduled services. All the Top 15 airline groups posted YoY increases, with the exception of Delta and Qatar Airways.

**American** ranked **1st** and rose by **+2.4%**. **United** retained the **2nd** place with a growth of **+2.7%**. **Delta** reported a slight decrease of **-0.4%** in traffic mainly due to the dip in international traffic and flight disruption at Atlanta. **Southwest** ranked 1 position down to **10th** and grew by **+2.6%**.

**Emirates** remained at **4th** with a moderate YoY growth of **+3.1%**. **Qatar Airways** ranked 3 positions up to **12th** due to its relatively higher traffic volume in December albeit with a **-1.4%** decline YoY.

**AF-KLM** and **IAG** remained at **5th** and **7th** with a growth of **+3.4%** and **+6.1%**, respectively. **Lufthansa** ranked **8th** and recorded the second highest growth within the Top 15 by **+15.9%**, owing to the surge in traffic of the group's Point-to-Point airlines. **Turkish Airlines** recorded the strongest growth by **+16.3%** and ranked **15th**.

Major airlines in Asia/Pacific posted solid growth with both **China Southern** and **Air China** grew double-digitally. **China Southern** improved 2 positions and ranked over **IAG** at **6th**. **Singapore Airlines** as well improved 1 position to **13th** and up **+5.1%**.



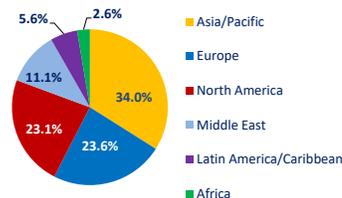
(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

### CAPACITY BY REGION (ICAO Statistical Regions)

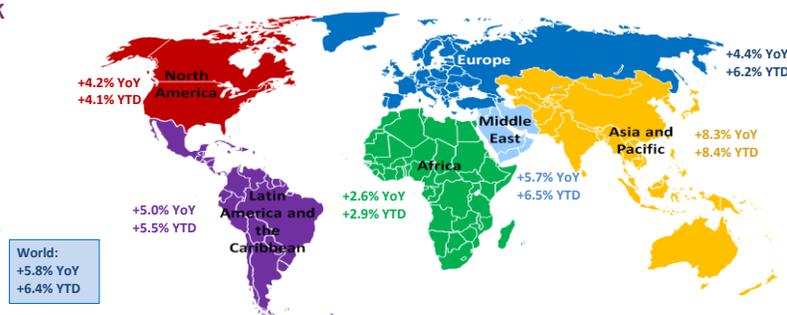
DEC 2017: +5.8% YoY in terms of World ASK

% Share of Capacity by Region



(Source: ICAO, IATA, OAG)

Note: Total scheduled services



Three regions, Africa, Latin America/Caribbean, and North America, accelerated capacity expansion in December 2017. Worldwide capacity increased by **+5.8%** YoY. **Asia/Pacific** continued to record the fastest capacity expansion, albeit at a slightly slower pace compared to the previous month. **The Middle East** experienced the biggest slowdown in capacity growth.

The world capacity expanded by **+6.4%** in 2017 overall compared to 2016.

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

ACRONYMS: ACI: Airports Council International; ASK: Available Seat-Kilometres; IATA: International Air Transport Association; FTK: Freight Tonne-Kilometres; LF: Passenger Load Factor; OAG: Official Airline Guide; RPK: Revenue Passenger-Kilometres; UNWTO: World Tourism Organization; YoY: Year-on-year; YTD: Year-to-date.