



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

### GLOBAL KEY FIGURES

**SEP 2016**  
(versus SEP 2015)

**RPK** ▲ +7.0%   **ASK** ▲ +6.6%   **FTK** ▲ +6.1%   **LF**: 81.1%   ▲ +0.4 pts

**OUTLOOK\* - OCT 2016**  
(versus OCT 2015)

**ASK** ▲ +6.9%   \* Source OAG

### PASSENGER TRAFFIC

#### Revenue Passenger-Kilometres - RPK

World passenger traffic grew by +7.0% YoY in September 2016, +2.4 percentage points higher than the growth in the previous month. All regions showed an upward trend, with the Middle East and Asia/Pacific recording the fastest growth with a double-digit increase. Owing to the international traffic growth of carriers in Europe and rise of domestic traffic in North America, both regions posted an acceleration in YoY growth. Domestic market in India remained at the top of the chart and grew by over +20.0%, followed by China with a growth of over +10.0%.



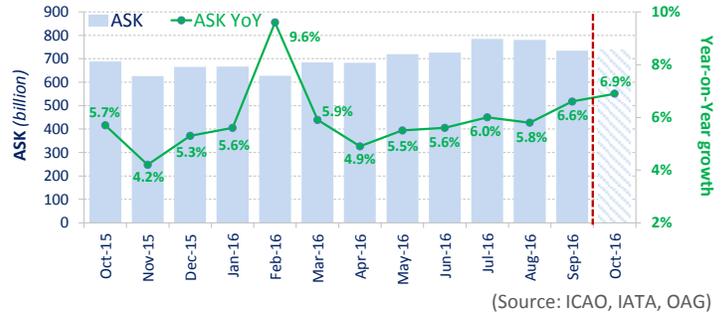
(Source: ICAO, IATA, OAG)

### CAPACITY

#### Available Seat-Kilometres - ASK

Capacity worldwide increased by +6.6% YoY in 2016, +0.8 percentage points higher than the growth in the previous month (+5.8%).

In response to the passenger traffic demand, the expansion of capacity is expected to be at +6.9% in October 2016.



(Source: ICAO, IATA, OAG)

#### International Traffic vs. Tourist Arrivals

International passenger traffic grew by +6.9% YoY in September 2016, +2.2 percentage points higher than the growth in the previous month. Similar to the total passenger traffic, all regions accelerated in international traffic growth. The Middle East continued to be the fastest growing region. Europe and North America posted the slowest growth with a rate lower than the world average.



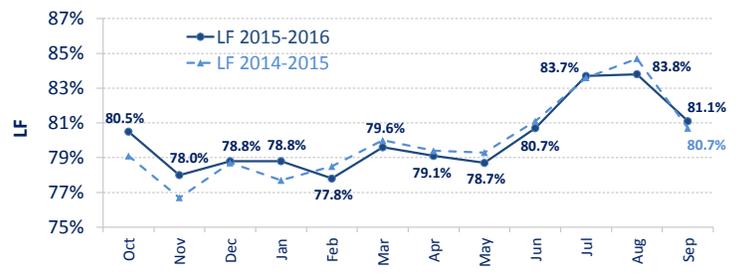
(Source: IATA, UNWTO)

\*UNWTO Definition

#### Load Factor - LF

The passenger Load Factor reached 81.1% in September 2016, -2.7 percentage points lower than the LF recorded in the previous month during the summer peak.

Traffic growth outpaced the capacity expansion. As a result, LF was 0.4 percentage points higher than the same period in 2015.



(Source: IATA)

### FREIGHT TRAFFIC

#### Freight Tonne-Kilometres - FTK

World freight traffic grew by +6.1% YoY in September 2016, +2.2 percentage points higher than the growth in the previous month. This growth is the highest in the last 12 months. All regions posted positive growth, except for Latin America/Caribbean with a contraction of around -5.0%. Major regions like Europe, Asia/Pacific and North America grew strongly, with Europe growing robustly by over +12.0%. The downward trend in the Middle East continued, and the region posted the second weakest performance with a marginal growth of less than +2.0%. Freight traffic in Africa grew double-digitally while its YTD growth remained low.

For the first time of the year, freight traffic outpaced the freight capacity expansion. As a result, the freight load factor exceeded its YTD rate by +1.5 percentage points.



(Source: IATA)

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

SEP 2016: +2.8%, +4.4%, and +5.6% YoY in terms of aircraft departures, passengers and freight for the Top 15

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Airports (ranking by number of departures)	Departures	YoY
Chicago IL, US (ORD)	36,692	↓ -0.2%
Atlanta GA, US (ATL)	36,671	↑ 1.2%
Los Angeles CA, US (LAX)	28,523	↑ 4.4%
Dallas/Fort Worth TX, US (DFW)	27,249	↓ -2.7%
Beijing, CN (PEK)	25,359	↑ 5.4%
Las Vegas NV, US (LAS)	24,952	↑ 11.3%
Denver CO, US (DEN)	24,222	↑ 8.9%
Amsterdam, NL (AMS)	22,407	↑ 7.0%
Charlotte NC, US (CLT)	21,788	↓ -0.6%
Paris, FR (CDG)	21,187	↑ 0.8%
Frankfurt, DE (FRA)	20,987	↓ -0.6%
Istanbul, TR (IST)	20,734	↑ 0.4%
London, GB (LHR)	20,375	↑ 0.2%
Shanghai, CN (PVG)	20,052	↑ 5.2%
Toronto ON, CA (YYZ)	19,998	↑ 5.2%

Airports (ranking by number of passengers)	Passengers*	YoY
Atlanta GA, US (ATL)	4,264,401	↑ 2.5%
Beijing, CN (PEK)	4,056,916	↑ 8.5%
Dubai, AE (DXB)	3,547,369	↑ 10.3%
Tokyo, JP (HND)	3,442,404	↑ 1.9%
Chicago IL, US (ORD)	3,423,182	↑ 4.5%
London, GB (LHR)	3,398,987	↑ 0.4%
Los Angeles CA, US (LAX)	3,301,554	↑ 9.6%
Frankfurt, DE (FRA)	2,955,852	↑ 1.9%
Amsterdam, NL (AMS)	2,937,888	↑ 7.4%
Paris, FR (CDG)	2,907,785	↓ -1.9%
Shanghai, CN (PVG)	2,782,255	↑ 9.8%
Istanbul, TR (IST)	2,777,867	↓ -2.1%
Hong Kong, CN (HKG)	2,758,500	↑ 3.6%
Dallas/Fort Worth TX, US (DFW)	2,725,779	↑ 3.5%
New York NY, US (JFK)	2,564,834	↑ 7.1%

Airports (ranking by tonnes of freight)	Freight**	YoY
Hong Kong, CN (HKG)	394,000	↑ 7.2%
Memphis TN, US (MEM)	359,143	↓ -0.9%
Shanghai, CN (PVG)	290,483	↑ 7.4%
Incheon, KR (ICN)	223,925	↑ 8.1%
Anchorage AK, US (ANC)	222,126	↑ 5.6%
Dubai, AE (DXB)	205,142	↓ -1.1%
Louisville KY, US (SDF)	201,109	↑ 4.6%
Tokyo, JP (NRT)	187,043	↑ 8.4%
Beijing, CN (PEK)	174,598	↑ 3.6%
Taipei, CN (TPE)	174,164	↑ 10.0%
Paris, FR (CDG)	172,000	↑ 5.2%
Frankfurt, DE (FRA)	170,225	↑ 6.2%
Singapore, SG (SIN)	167,100	↑ 7.7%
Miami FL, US (MIA)	165,402	↑ 2.7%
Chicago IL, US (ORD)	164,005	↑ 16.0%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of **aircraft departures**, the Top 15 airports reported a growth of **+2.8%** YoY. Most of the major airports posted an increase. **Las Vegas** and **Denver** posted the strongest growth of **+11.3%** and **+8.9%**, respectively. Decline was mainly observed in the airports in North America and Europe, with **-2.7%** and **-0.6%** down in **Dallas** and **Frankfurt**, respectively.

In terms of **passengers**, the Top 15 airports reported a growth of **+4.4%** YoY. The strongest growth was observed in the Middle East and Asia/Pacific. **Dubai** recorded the highest growth of **+10.3%**, followed by **Shanghai** (**+9.8%**), in line with the traffic expansion of both regions. Two European airports posted a decline, **-1.9%** and **-2.1%** in **Paris** and **Istanbul**, respectively.

In terms of **freight**, the Top 15 airports reported a growth of **+5.6%** YoY. All major freight hubs picked up, except for **Memphis** and **Dubai** with a slight decline of **-0.9%** and **-1.1%**, respectively. Airports in North America and Asia/Pacific demonstrated the strongest growth. **Chicago** recorded the most significant increase of **+16.0%**, followed by **Taipei** (**+10.0%**).

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

SEP 2016: +5.4% YoY in terms of RPK for the Top 15

In terms of RPK, the Top 15 airline groups accounted for **47.3%** of world total RPK in September 2016, and grew by **+5.4%** YoY. This growth was **-1.6** percentage points lower than the world average on scheduled services. All the Top 15 airline groups, except for American, posted a YoY increase.

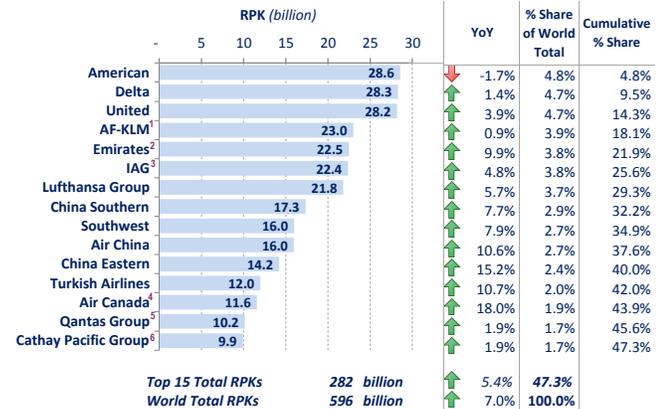
American remained **1st**, albeit with a decline of **-1.7%** YoY. Delta and United remained at **2nd** and **3rd**, respectively, and grew modestly. Southwest grew by **+7.9%** and ranked 1 position up to **9th**. Air Canada posted the strongest growth within the Top15 and grew robustly by **+18.0%**.

For the European airline groups, AF-KLM ranked at **4th** with the second slowest growth within the Top 15. IAG grew by **+4.8%** while ranked 1 position down to **6th**. Lufthansa remained at **7th** and grew by **+5.7%**. Turkish Airlines remained at **12th** with a strong growth of **+10.7%**.

Emirates recorded a growth of **+9.9%** and ranked 1 position up to **5th**.

For the airline groups in Asia/Pacific, major Chinese carriers lead the growth. China Eastern recorded the second highest growth rate within the Top15 by **+15.2%**, followed by Air China (**+10.6%**). The other airline groups of the region posted a moderate growth of **+1.9%**.

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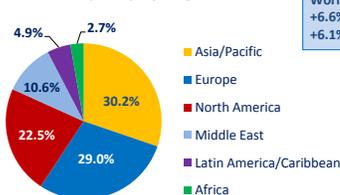
(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

### CAPACITY BY REGION (ICAO Statistical Regions)

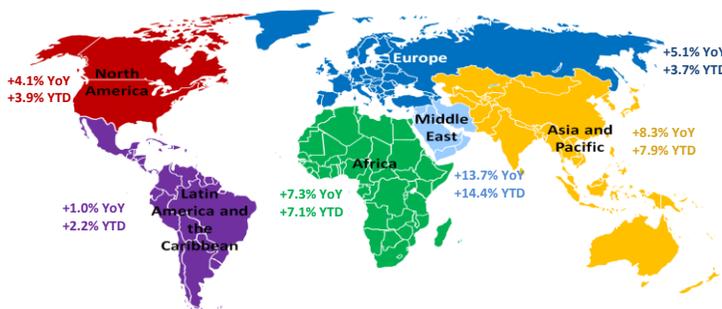
SEP 2016: +6.6% YoY in terms of World ASK

% Share of Capacity by Region



(Source: ICAO, IATA, OAG)

Note: Total scheduled services



All regions, posted an expansion in capacity in September 2016 with a **+6.6%** YoY increase in capacity worldwide, +0.5 percentage points higher to the YTD 2016 growth.

Asia/Pacific accounted for the biggest share of the world capacity offered. The Middle East continued to post the fastest capacity expansion among all regions, and increased by **+13.7%**.

\* Embarked Passengers \*\* Loaded and Unloaded Freight in Tonnes 1. IAG: British Airways, Iberia, and Vueling 2. ICAO Estimates 3. Lufthansa Group: Lufthansa Airlines, Germanwings, SWISS, Austrian Airlines, Brussels Airlines, Sun Express, and Lufthansa Cargo 4. ICAO Estimates 5. ICAO Estimates 6. Cathay Pacific Group: Cathay Pacific and Dragonair