



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

GLOBAL KEY FIGURES

OCT 2016
(versus OCT 2015)

RPK ▲ +5.8% **ASK** ▲ +6.3% **FTK** ▲ +8.2% **LF**: 80.1% ▼ -0.4 pts

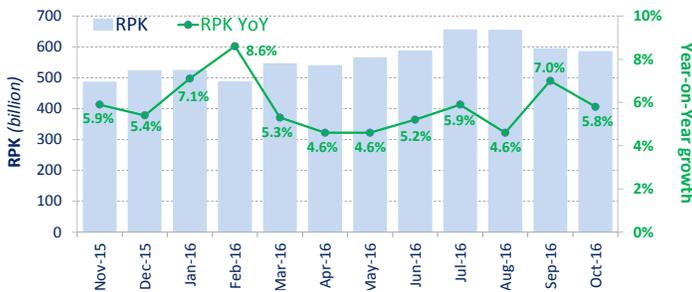
OUTLOOK* - NOV 2016
(versus NOV 2015)

ASK ▲ +6.1% * Source OAG

PASSENGER TRAFFIC

Revenue Passenger-Kilometres - RPK

World passenger traffic grew by +5.8% YoY in October 2016, -1.2 percentage points lower than the growth in the previous month. The upward trend in all regions appeared to ease, with an exception in Europe which posted an acceleration in growth. Asia/Pacific recorded the fastest growth albeit at a slightly lower pace than the previous month. The most significant change in growth was observed in the Middle East which slowed down to +6.5%, the lowest pace of the year. Domestic market in India and China remained at the top of the chart and grew by over +20.0% and +10.0%, respectively.



(Source: ICAO, IATA, OAG)

CAPACITY

Available Seat-Kilometres - ASK

Capacity worldwide increased by +6.3% YoY in October 2016, -0.3 percentage points lower than the growth in the previous month (+6.6%).

In response to the passenger traffic demand, the expansion of capacity is expected to be at +6.1% in November 2016.



(Source: ICAO, IATA, OAG)

International Traffic vs. Tourist Arrivals

International passenger traffic grew by +5.9% YoY in October 2016, -1.0 percentage points lower than the growth in the previous month. All regions, except for Europe and Latin America/Caribbean, slowed down in international traffic growth. The strongest growth was recorded by Latin America/Caribbean while North America posted the slowest growth among all regions.



*UNWTO Definition

(Source: IATA, UNWTO)

Load Factor - LF

The passenger Load Factor reached 80.1% in October 2016, -1.0 percentage points lower than the LF recorded in the previous month.

Capacity expansion outpaced the traffic growth. As a result, LF was 0.4 percentage points lower than the same period in 2015.



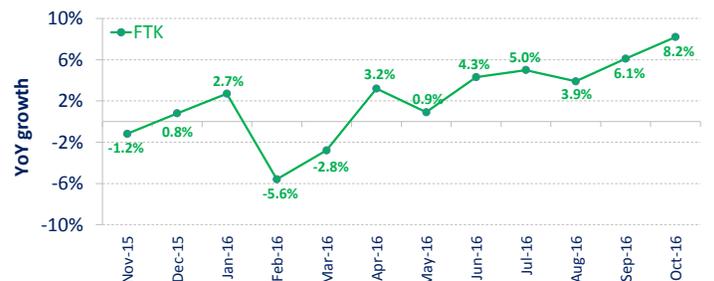
(Source: IATA)

FREIGHT TRAFFIC

Freight Tonne-Kilometres - FTK

World freight traffic grew by +8.2% YoY in October 2016, +2.1 percentage points higher than the growth in the previous month. This growth is the highest in the last 12 months. All regions posted an acceleration in growth, except for Africa and North America. Europe continued to record the highest growth with double-digit increases, followed by the Middle East. Latin America/Caribbean experienced the weakest performance and was the only region posting a contraction in freight traffic. Air cargo has improved in recent months, however, the YTD growth remained low at around +2.0%.

Freight traffic outpaced the freight capacity expansion. As a result, the freight load factor improved around +2.0 percentage points to 46.2% and exceeded its YTD rate by +3.8 percentage points.



(Source: IATA)

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

OCT 2016: +1.6%, +2.9%, and +5.1% 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)	37,974	-2.0%
Atlanta GA, US (ATL)	37,887	0.2%
Los Angeles CA, US (LAX)	29,645	5.1%
Dallas/Fort Worth TX, US (DFW)	27,954	-1.9%
Beijing, CN (PEK)	26,109	2.1%
Denver CO, US (DEN)	24,722	6.5%
Charlotte NC, US (CLT)	22,682	-1.6%
Amsterdam, NL (AMS)	22,406	7.8%
Frankfurt, DE (FRA)	20,970	-1.5%
Paris, FR (CDG)	20,965	0.7%
London, GB (LHR)	20,634	1.5%
Shanghai, CN (PVG)	20,559	5.5%
Las Vegas NV, US (LAS)	20,159	4.4%
Istanbul, TR (IST)	20,005	-1.6%
Toronto ON, CA (YYZ)	19,463	4.3%

Airports (ranking by number of passengers)	Passengers*	YoY
Atlanta GA, US (ATL)	4,536,148	1.7%
Beijing, CN (PEK)	4,193,699	5.1%
Tokyo, JP (HND)	3,631,664	5.7%
Chicago IL, US (ORD)	3,534,180	1.3%
Los Angeles CA, US (LAX)	3,432,621	7.7%
London, GB (LHR)	3,242,634	-1.2%
Dubai, AE (DXB)	3,210,104	2.7%
Amsterdam, NL (AMS)	2,896,763	8.7%
Paris, FR (CDG)	2,876,382	-1.2%
Hong Kong, CN (HKG)	2,856,500	-0.8%
Frankfurt, DE (FRA)	2,847,852	-0.3%
Shanghai, CN (PVG)	2,824,710	8.4%
Dallas/Fort Worth TX, US (DFW)	2,808,909	-0.2%
Guangzhou, CN (CAN)	2,665,889	11.8%
Istanbul, TR (IST)	2,614,285	-3.9%

Airports (ranking by tonnes of freight)	Freight**	YoY
Hong Kong, CN (HKG)	420,000	7.1%
Memphis TN, US (MEM)	356,151	-6.8%
Shanghai, CN (PVG)	309,537	11.3%
Incheon, KR (ICN)	244,292	10.6%
Dubai, AE (DXB)	236,169	9.5%
Anchorage AK, US (ANC)	219,942	-2.7%
Tokyo, JP (NRT)	196,809	10.9%
Taipei, CN (TPE)	192,363	13.6%
Louisville KY, US (SDF)	191,206	-3.4%
Frankfurt, DE (FRA)	184,119	5.6%
Paris, FR (CDG)	182,314	3.9%
Los Angeles CA, US (LAX)	178,334	11.9%
Singapore, SG (SIN)	177,000	8.9%
Beijing, CN (PEK)	174,952	7.2%
Miami FL, US (MIA)	173,242	-1.5%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of **aircraft departures**, the Top 15 airports reported a growth of +1.6% YoY. Ten out of the Top 15 airports posted an increase. The strongest growth was recorded by **Amsterdam (+7.8%)**, followed by **Denver (+6.5%)**. Several major airports in North America and Europe posted declines. **Chicago** decreased by -2.0%, followed by **Dallas (-1.9%)**.

In terms of **passengers**, the Top 15 airports reported a growth of +2.9% YoY. All European major airports posted a decline, except for **Amsterdam (+8.7%)**. **Istanbul** posted a decline of -3.9%, followed by **LHR** and **CDG** (both -1.2%). Growth was mainly observed in Asia/Pacific in line with traffic demand in the region. **Guangzhou** recorded the highest growth by +11.8%, followed by **Shanghai (+8.4%)**.

In terms of **freight**, the Top 15 airports reported a growth of +5.1% YoY. Most of the major freight hubs demonstrated increases. **Taipei** recorded the most significant increase of +13.6%, followed by **Los Angeles (+11.9%)**. Four US airports posted a decline, with **Memphis** recording the biggest decline of -6.8%, followed by **Louisville (-3.4%)**.

TOP 15 AIRLINE GROUPS (Ranked by RPK)

OCT 2016: +3.6% YoY in terms of RPK for the Top 15

In terms of RPK, the Top 15 airline groups accounted for 47.9% of world total RPK in October 2016, and grew by +3.6% YoY. This growth was -2.2 percentage points lower than the world average on scheduled services. Twelve out of the Top 15 airline groups posted a YoY increase.

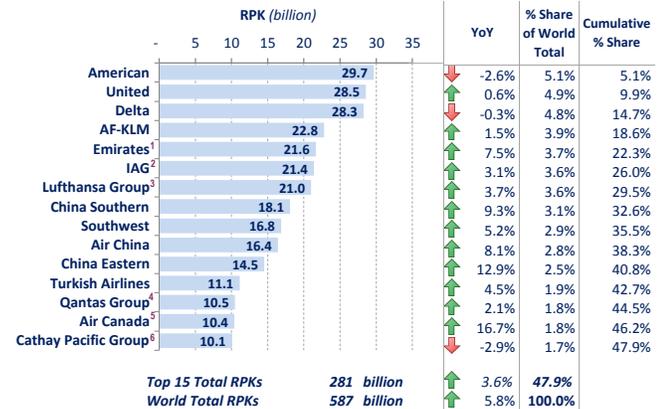
American remained 1st, albeit with a decline of -2.6% YoY. **United** ranked 1 position up to 2nd while **Delta** ranked 1 position down to 3rd with a decline of -0.3%. **Southwest** grew by +5.2% and remained at 9th. **Air Canada** continued to post the strongest growth among the Top15 with an estimated robust increase of +16.7%.

AF-KLM ranked at 4th albeit grew at the slowest pace among the European airline groups in the Top15. **IAG** and **Lufthansa** grew modestly and remained at 6th and 7th, respectively. **Turkish Airlines** remained at 12th with a moderate growth of +4.5%.

Emirates is expected to grow by +7.5% - a slowdown from the previous month, and remained at 5th.

Major Chinese carriers continued to lead the growth in Asia/Pacific. **China Eastern** recorded the second highest pace within the Top15 by +12.9%, followed by **China Southern (+9.3%)**. **Cathay Pacific Group**, however, posted a decline of -2.9%.

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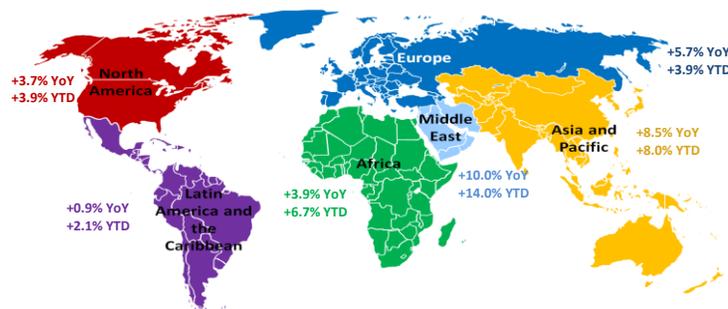
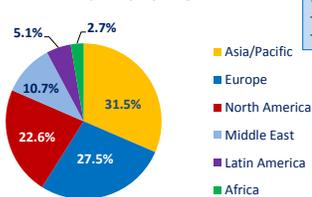
(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

CAPACITY BY REGION (ICAO Statistical Regions)

OCT 2016: +6.3% YoY in terms of World ASK

% Share of Capacity by Region



All regions, posted an expansion in capacity in October 2016 with a +6.3% YoY increase in capacity worldwide, +0.1 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 +10.0%.

(Source: ICAO, IATA, OAG)

Note: Total scheduled services

¹ Embarked Passengers ^{**} Loaded and Unloaded Freight in Tonnes 1. ICAO Estimates 2. IAG: British Airways, Iberia, and Vueling 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