



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

### GLOBAL KEY FIGURES

**NOV 2018**  
(versus NOV 2017)

**RPK** ▲ +6.2%   **ASK** ▲ +6.8%   **FTK** ■ +0.0%   **LF**: 80.0% ▼ -1.1 pt

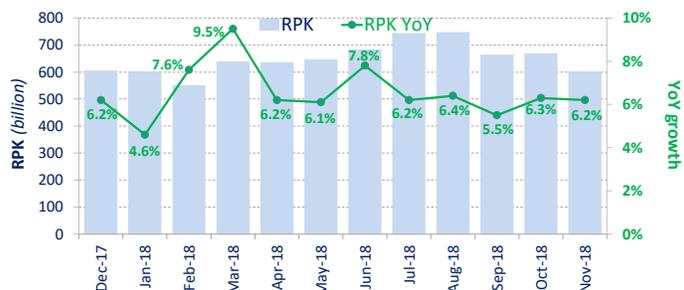
**OUTLOOK\* - DEC 2018**  
(versus DEC 2017)

**ASK** ▲ +6.4%   \* Source OAG

### PASSENGER TRAFFIC

#### Revenue Passenger-Kilometres - RPK

World passenger traffic grew by +6.2% YoY in November 2018, -0.1 percentage point lower than the growth in the previous month. This growth remained solid and was around the average pace observed in the last five months except for the distorted slowdown in September impacted by weather. Africa, Europe and North America accelerated in traffic growth, with Europe demonstrating the most significant improvement and becoming the fastest growing region. Domestic traffic in Russia rose robustly and outstripped India and China for the first time of the year.

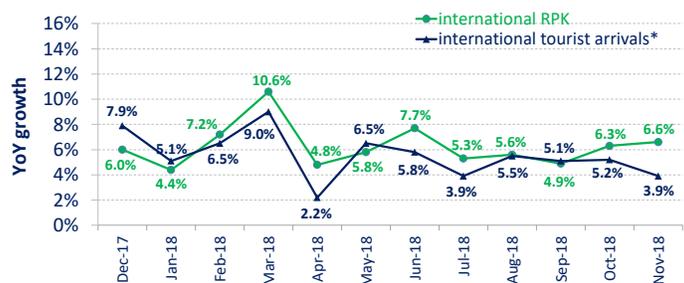


(Source: ICAO, IATA, OAG)

#### International Traffic vs. Tourist Arrivals

International passenger traffic grew by +6.6% YoY in November 2018, +0.3 percentage point higher than the growth in the previous month. Asia/Pacific, Europe and North America accelerated in traffic growth, with the strongest international traffic demand in Europe.

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



\*UNWTO Definition

(Source: IATA, UNWTO)

### FREIGHT TRAFFIC

#### Freight Tonne-Kilometres - FTK

World freight traffic was unchanged YoY in November 2018, -3.1 percentage points lower than the growth in the previous month. Freight traffic started to moderate in recent months and lost its momentum with no growth, the most sluggish pace since April 2016, reflecting an overall softening in freight demand. All regions, except for Latin America/Caribbean, posted deceleration in growth, with three regions showing negative growth, namely Africa, Asia/Pacific and Europe. The largest slowdown was experienced by Asia/Pacific while Africa was the region with the weakest performance. Owing to a slight improvement, Latin America/Caribbean became the fastest growing region together with North America.

### CAPACITY

#### Available Seat-Kilometres - ASK

Capacity worldwide increased by +6.8% YoY in November 2018, +0.5 percentage point higher than the growth in the previous month (+6.3%). This expansion was the fastest in the last two months.

According to the airline schedules, the expansion of capacity is expected to be at +6.4% in December 2018.



(Source: ICAO, IATA, OAG)

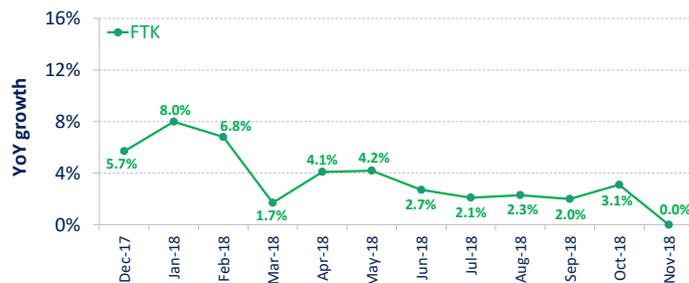
#### Load Factor - LF

The passenger Load Factor reached 80.0% in November 2018, -1.1 percentage points lower than the LF recorded in the previous month.

As capacity expansion outpaced the traffic growth, the November LF was -0.2 percentage point lower than the same period in 2017.



(Source: IATA)



(Source: IATA)



Continued from page 1

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

NOV 2018: +2.5%, +2.4%, and -2.0% YoY in terms of aircraft departures, passengers and freight for the Top 15

NOV 18

Airports (ranking by number of departures)	Departures	YoY	Airports (ranking by number of passengers)	Passengers*	YoY	Airports (ranking by tonnes of freight)	Freight**	YoY
Chicago IL, US (ORD)	36,510	↑ 2.3%	Atlanta GA, US (ATL)	4,450,907	↑ 3.3%	Hong Kong, CN (HKG)	456,000	↓ -2.1%
Atlanta GA, US (ATL)	35,975	↑ 1.6%	Beijing, CN (PEK)	4,134,661	↑ 2.1%	Memphis TN, US (MEM)	377,688	↑ 1.6%
Los Angeles CA, US (LAX)	28,317	↑ 1.7%	Tokyo, JP (HND)	3,618,667	↓ -1.5%	Shanghai, CN (PVG)	312,206	↓ -9.8%
Dallas/Fort Worth TX, US (DFW)	27,299	↑ 5.3%	Los Angeles CA, US (LAX)	3,471,659	↑ 2.3%	Anchorage AK, US (ANC)	254,019	↑ 0.3%
Beijing, CN (PEK)	25,674	↑ 1.4%	Dubai, AE (DXB)	3,448,585	↓ -0.8%	Incheon, KR (ICN)	252,454	↓ -2.2%
Denver CO, US (DEN)	24,144	↑ 6.8%	Chicago IL, US (ORD)	3,289,535	↑ 1.6%	Dubai, AE (DXB)	237,059	↑ 0.6%
Charlotte NC, US (CLT)	21,903	↓ -1.2%	London, GB (LHR)	3,057,383	↑ 3.3%	Louisville KY, US (SDF)	222,719	↓ -4.3%
Frankfurt, DE (FRA)	20,596	↑ 5.3%	Hong Kong, CN (HKG)	2,993,500	↑ 1.1%	Taipei, CN (TPE)	199,336	↓ -1.0%
Shanghai, CN (PVG)	20,287	↓ -1.8%	Guangzhou, CN (CAN)	2,922,905	↑ 3.2%	Miami FL, US (MIA)	192,276	↑ 1.5%
Amsterdam, NL (AMS)	19,950	↑ 0.9%	Shanghai, CN (PVG)	2,887,888	↑ 2.4%	Singapore, SG (SIN)	189,200	↓ -1.3%
Guangzhou, CN (CAN)	19,929	↑ 2.4%	New Delhi, IN (DEL)	2,802,179	↑ 1.0%	Doha, QA (DOH)	187,927	↑ 5.6%
New Delhi, IN (DEL)	19,333	↑ 1.8%	Dallas/Fort Worth TX, US (DFW)	2,801,910	↑ 3.3%	Frankfurt, DE (FRA)	185,985	↓ -1.7%
Houston TX, US (IAH)	19,287	↑ 3.8%	Jakarta, ID (CGK)	2,780,084	↑ 4.0%	Los Angeles CA, US (LAX)	185,193	↑ 0.4%
Paris, FR (CDG)	19,277	↑ 4.0%	Incheon, KR (ICN)	2,771,376	↑ 7.3%	Tokyo, JP (NRT)	182,739	↓ -10.8%
Jakarta, ID (CGK)	19,203	↑ 3.6%	Paris, FR (CDG)	2,740,500	↑ 6.4%	Beijing, CN (PEK)	182,527	↓ -3.3%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of aircraft departures, the Top 15 airports reported a growth of +2.5% YoY. Thirteen out of the Top 15 airports posted YoY increases. Chicago retained the 1st position and grew at +2.3%. The strongest growth in operations was recorded by Denver at +6.8%, followed by Frankfurt and Dallas, both at +5.3%.

In terms of passengers, the Top 15 airports reported a growth of +2.4% YoY. All the Top 15 airports posted YoY increases, except for Tokyo and Dubai with a decline of -1.5% and -0.8%, respectively. Incheon topped the list in terms of YoY increases at +7.3% followed by Paris at +6.4%. Atlanta remained at 1st with a growth of +3.3%, followed by Beijing.

In terms of freight, the Top 15 airports reported a decline of -2.0% YoY. More than half of the Top 15 airports posted YoY decreases, with seven in Asia/Pacific. The most significant decline was posted by Tokyo (-10.8%), followed by Shanghai (-9.8%). Doha continued to be the strongest performing airport, albeit moderated to +5.6%.

TOP 15 AIRLINE GROUPS (Ranked by RPK)

NOV 18

NOV 2018: +6.3% YoY in terms of RPK for the Top 15

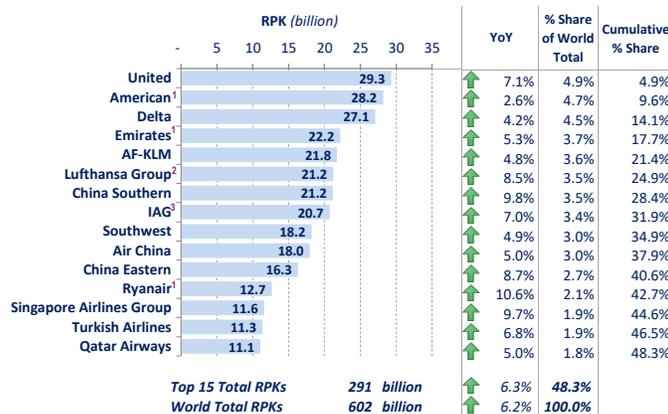
In terms of RPK, the Top 15 airline groups accounted for 48.3% of world total RPK in November 2018, and grew by +6.3% YoY. This growth was +0.1 percentage point higher than the world average on scheduled services. All the Top 15 airline groups posted YoY increases.

United continued to grow faster than the other North American airlines in the Top 15, and regained the 1st position with a +7.1% rise. Followed were American and Delta, up +2.6% and +4.2%, respectively. Southwest improved 1 position to 9th with a growth of +4.9%.

Emirates ranked 2 positions up to 4th and rose +5.3%. Qatar remained at 15th with a growth of +5.0%.

AF-KLM grew by +4.8% and maintained the 5th place. Lufthansa and IAG continued to post stronger growth at +8.5% and +7.0%, albeit ranked 2 positions and 1 position down to 6th and 8th, respectively. Ryanair recorded the fastest growth within the Top 15 and remained at 12th. Turkish Airlines grew at +6.8% and ranked 1 position down to 14th.

Growth of major airlines in Asia/Pacific continued to be solid. China Southern recorded the second fastest growth at +9.8%, and ranked 1 position up to 7th. This was followed by Singapore Airlines with the third fastest growth at +9.7% and ranked 13th. Air China and China Eastern ranked 10th and 11th with an increase of +5.0% and +8.7%, respectively.

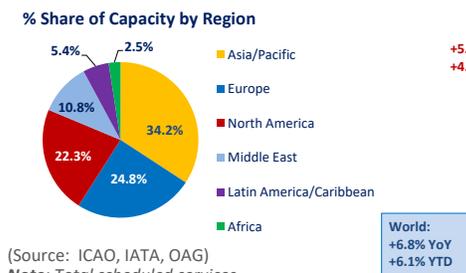


(Source: ICAO, airlines' websites)

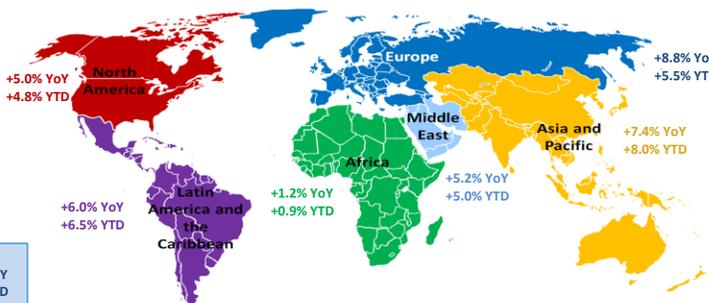
Note: Total scheduled and non-scheduled services

CAPACITY BY REGION (ICAO Statistical Regions)

NOV 2018: +6.8% YoY in terms of World ASK



(Source: ICAO, IATA, OAG)  
Note: Total scheduled services



Worldwide capacity expanded by +6.8% YoY in November 2018. Three regions, Asia/Pacific, Europe and North America, which accounted for over 80% of world capacity offered, accelerated in capacity growth. Europe recorded the most significant improvement and became the fastest growing region.

The other regions posted a slowdown in capacity expansion, with the most notable deceleration in Latin America/Caribbean.

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

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.