



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

### GLOBAL KEY FIGURES

**SEP 2019**  
(versus SEP 2018)

**RPK** ▲ +3.8%   **ASK** ▲ +3.3%   **FTK** ▼ -4.5%   **LF**: 81.9% ▼ -3.8 pt

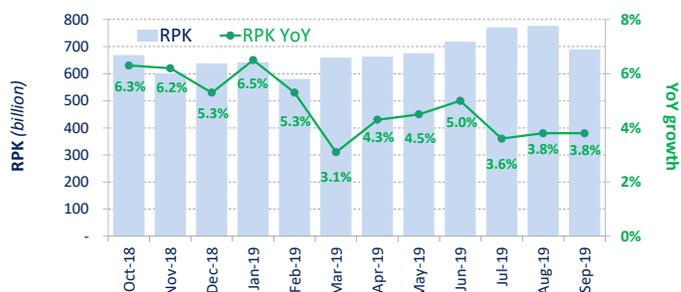
**OUTLOOK\* - OCT 2019**  
(versus OCT 2018)

**ASK** ▲ +2.1%   \* Source OAG

### PASSENGER TRAFFIC

#### Revenue Passenger-Kilometres - RPK

World passenger traffic grew by +3.8% YoY in September 2019, same pace as the previous month. All regions posted a deceleration in growth, except for a solid pick up in North America which became the top performing region. Africa reported the most significant slowdown and experienced the slowest growth. For the first time this year, Japan became the strongest growing domestic market, partly due to the comparison with weak performance in the same period of last year, followed by China and the United States.



(Source: ICAO, IATA, OAG)

### CAPACITY

#### Available Seat-Kilometres - ASK

Capacity worldwide increased by +3.3% YoY in September 2019, -0.2 percentage point lower than the growth in the previous month (+3.5%).

According to the airline schedules, capacity expansion is expected to slow down to +2.1% in October 2019.

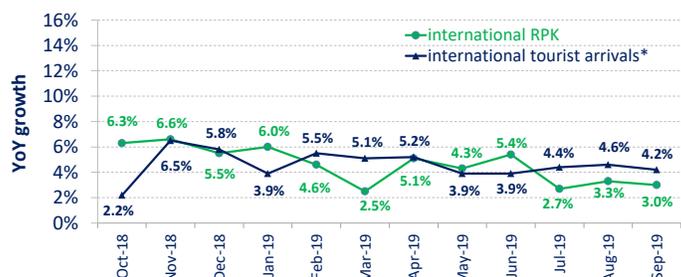


(Source: ICAO, IATA, OAG)

### International Traffic vs. Tourist Arrivals

International passenger traffic grew by +3.0% YoY in September 2019, -0.3 percentage point lower than the growth in the previous month. All regions, except for North America and Asia/Pacific, decelerated in growth. Similar to total traffic trend, the most significant improvement and slowdown was experienced by North America and Africa, respectively.

The growth of international tourist arrivals\* remained relatively stable.



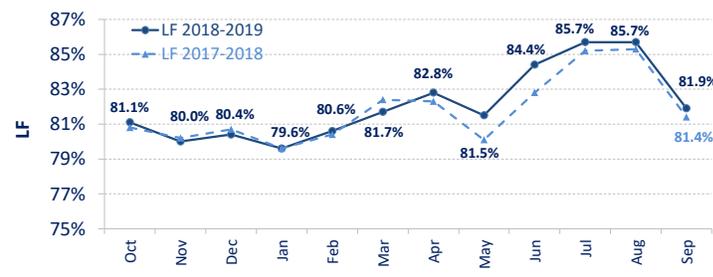
\*UNWTO Definition

(Source: IATA, UNWTO)

### Load Factor - LF

The passenger Load Factor reached 81.9% in September 2019, -3.8 percentage points lower than the previous month.

As traffic growth outpaced the capacity expansion, the September LF was +0.5 percentage point higher compared to the rate in the same period of 2018.

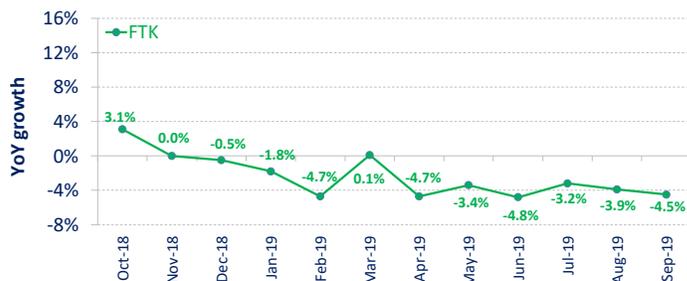


(Source: IATA)

### FREIGHT TRAFFIC

#### Freight Tonne-Kilometres - FTK

World freight traffic reported a decline of -4.5% YoY in September 2019, -0.6 percentage point lower than the growth in the previous month. Weakness in freight traffic was broad-based with performance of all regions deteriorated, impacted by the weak global trade attributed to the continued trade tension. Africa remained as the only region recording positive growth, however, the region experienced the most noticeable slowdown. For the fifth consecutive month, the Middle East was the weakest performing region, followed by Asia/Pacific and North America.



(Source: IATA)

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

SEP 2019: +2.3%, +2.6%, and -4.9% YoY in terms of aircraft departures, passengers and freight for the Top 15

SEP 19

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)	39,171	↑ 2.2%	Atlanta GA, US (ATL)	4,366,630	↑ 4.2%	Hong Kong, CN (HKG)	397,000	↓ -6.2%
Atlanta GA, US (ATL)	36,252	↑ 0.8%	Beijing, CN (PEK)	4,065,972	↓ -0.9%	Memphis TN, US (MEM)	330,093	↓ -11.5%
Dallas/Fort Worth TX, US (DFW)	30,654	↑ 14.7%	Tokyo, JP (HND)	3,653,116	↑ 1.1%	Shanghai, CN (PVG)	312,887	↑ 0.1%
Los Angeles CA, US (LAX)	27,769	↓ -1.6%	Chicago IL, US (ORD)	3,540,735	↑ 0.1%	Anchorage AK, US (ANC)	228,188	↑ 0.5%
Denver CO, US (DEN)	27,438	↑ 9.9%	Los Angeles CA, US (LAX)	3,503,588	↑ 1.8%	Incheon, KR (ICN)	222,380	↓ -10.0%
Beijing, CN (PEK)	24,784	↑ 0.5%	Dubai, AE (DXB)	3,499,599	↓ -2.8%	Louisville KY, US (SDF)	208,368	↑ 4.8%
Frankfurt, DE (FRA)	23,357	↑ 1.7%	Paris, FR (CDG)	3,409,632	↑ 4.8%	Dubai, AE (DXB)	206,391	↓ -6.7%
Amsterdam, NL (AMS)	22,879	↓ -0.1%	London, GB (LHR)	3,388,709	↓ -3.0%	Taipei, CN (TPE)	183,763	↓ -6.7%
Paris, FR (CDG)	22,531	↑ 4.0%	Frankfurt, DE (FRA)	3,353,991	↑ 1.3%	Doha, QA (DOH)	180,382	↓ -0.5%
Shanghai, CN (PVG)	21,168	↑ 2.2%	Amsterdam, NL (AMS)	3,246,741	↑ 1.4%	Tokyo, JP (NRT)	176,809	↓ -8.4%
Guangzhou, CN (CAN)	20,470	↑ 5.2%	Istanbul, TR (IST)	3,124,385	↓ 0.0%	Singapore, SG (SIN)	170,200	↓ -7.9%
Las Vegas NV, US (LAS)	20,273	↑ 3.0%	Shanghai, CN (PVG)	3,076,405	↑ 2.4%	Beijing, CN (PEK)	167,705	↓ -8.8%
New Delhi, IN (DEL)	19,641	↓ -0.9%	Dallas/Fort Worth TX, US (DFW)	3,073,647	↑ 15.5%	Frankfurt, DE (FRA)	164,719	↓ -6.0%
London, GB (LHR)	19,572	↓ -3.7%	Guangzhou, CN (CAN)	3,008,673	↑ 8.5%	Guangzhou, CN (CAN)	162,751	↑ 4.6%
Toronto ON, CA (YYZ)	19,228	↓ -4.8%	Denver CO, US (DEN)	2,980,343	↑ 10.9%	Miami FL, US (MIA)	158,561	↓ -4.0%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of **aircraft departures**, the Top 15 airports reported a growth of **+2.3%** YoY. Ten out of the Top 15 airports posted YoY increases. **Chicago** ranked **1st** with a modest growth of **+2.2%**. The strongest growth in operations was recorded by **Dallas/Fort Worth** at **+14.7%**, followed by **Denver** at **+9.9%**.

In terms of **passengers**, the Top 15 airports reported a growth of **+2.6%** YoY. Eleven out of the Top 15 airports posted YoY increases. **Atlanta** remained at **1st** with a growth of **+4.2%**, followed by **Beijing**, albeit with a decline. **Tokyo** ranked **3rd** with a marginal growth of **1.1%**. The most significant increase was recorded by **Dallas/Fort Worth** and **Denver** at **+15.5%** and **10.9%**, respectively.

In terms of **freight**, the Top 15 airports reported a decline of **-4.9%** YoY. Eleven out of the Top 15 airports posted declines. The most significant decrease was posted by **Memphis** at **-11.5%**, followed by **Incheon** (**-10.0%**) and **Beijing** (**-8.8%**). **Louisville** continued to record the highest growth at **+4.8%**, owing to the strengthening of its UPS hub position. This was followed by **Guangzhou** at **+4.6%**.

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

SEP 2019: +4.2% YoY in terms of RPK for the Top 15

SEP 19

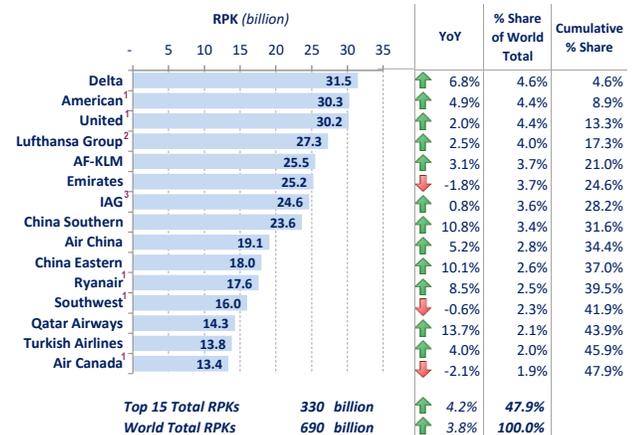
In terms of **RPK**, the Top 15 airline groups accounted for **47.9%** of the world's total RPK in **September 2019** and grew by **+4.2%** YoY. This growth was **+0.4** percentage point higher than the world's average on scheduled services. Twelve out of the Top 15 airline groups posted YoY growth.

**Delta** remained at **1st** with a solid growth of **+6.8%**. Followed were **American** and **United**, growing at **+4.9%** and **+2.0%**, respectively. **Southwest** continued to post a decline but maintained its position at the **12th**. **Air Canada** remained at **15th**, albeit with a negative growth of **-2.1%**.

With a decline of **-1.8%** YoY, **Emirates** dropped 1 position to **5th**. The other carrier in the region, **Qatar Airways**, once again recorded the fastest growth among the Top 15 with an increase of **+13.7%** and maintained its position on the **13th**.

**Lufthansa** retained its position of **4th** and grew at **+2.5%**. **AF-KLM** improved two positions to **5th** with a moderate growth of **+3.1%** while **IAG** went down one position to **7th**. **Ryanair** continued to show strong growth at **+8.5%** and retained its **11th** position. **Turkish Airlines** grew modestly at **+4.0%** and remained at **14th**.

**China Southern** and **China Eastern** recorded the second and third strongest growth at **+10.8%** and **+10.1%**, respectively, albeit remained at the same position of **8th** and **10th**. **Air China** grew modestly at **+5.2%** and maintained its **9th** position.

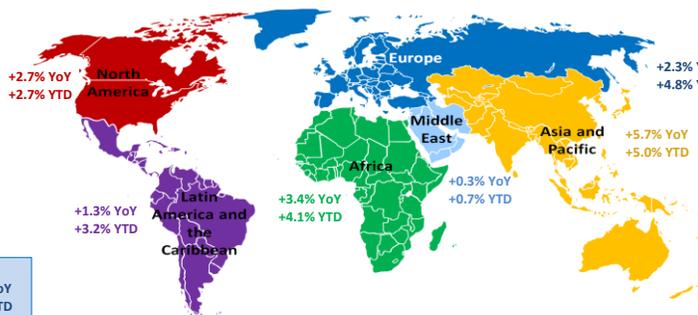
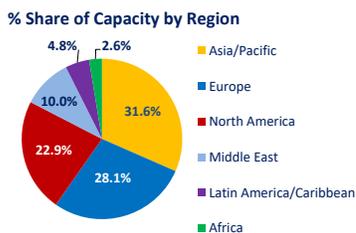


(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

### CAPACITY BY REGION (ICAO Statistical Regions)

SEP 2019: +3.3% YoY in terms of World ASK



**Worldwide** capacity expanded by **+3.3%** YoY in September 2019. Three regions, Africa, Europe and the Middle East posted a slowdown in capacity expansion with the most significant deceleration observed in Africa. **Asia/Pacific** became the fastest expanding region albeit with a slight increase while the **Middle East** was the slowest growing region.

The YTD capacity expansion was at **+3.9%**, with **Asia/Pacific** being the top growing region followed by **Europe**.

(Source: ICAO, IATA, OAG)

Note: Total scheduled services

\* 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.