



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

### GLOBAL KEY FIGURES

#### JAN 2020

(versus JAN 2019)

RPK ▲ +2.4% ASK ▲ +1.7% FTK ▼ -3.3% LF: 80.3% ▲ +0.7 pt

#### OUTLOOK\* - FEB 2020

(versus FEB 2019)

ASK ▼ -7.8% \* Source OAG

### PASSENGER TRAFFIC

#### Revenue Passenger-Kilometres - RPK

World passenger traffic grew by +2.4% YoY in January 2020, -2.1 percentage points lower than the growth in the previous month. All regions experienced slowdown, except for the Middle East at the same pace. The most notable decline was observed in Asia/Pacific impacted by the COVID-19 outbreak started from the last week of the month. The disruption primarily affected domestic traffic of China and international demand within the region. Chinese domestic traffic fell by around -7.0% for the first time since 2008, contributing to the overall domestic traffic softening.

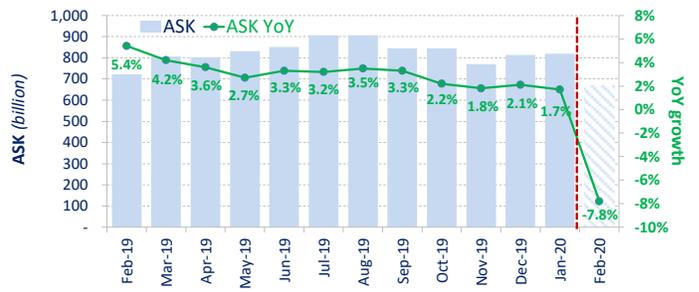


(Source: ICAO, IATA, OAG)

### CAPACITY

#### Available Seat-Kilometres - ASK

Capacity worldwide increased by +1.7% YoY in January 2020, -0.4 percentage point lower than the growth in the previous month (+2.1%). The containment measures will lead to further flight cancellations and travel restrictions. As a result, capacity is expected to slump to -7.8% YoY in February 2020.

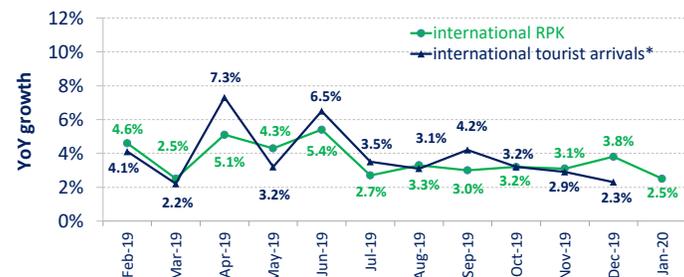


(Source: ICAO, IATA, OAG)

### International Traffic vs. Tourist Arrivals

International passenger traffic grew by +2.5% YoY in January 2020, -1.3 percentage points lower than the growth in the previous month. All regions recorded slowdown except for a meager up in Africa. Flight cancellations due to COVID-19 were initially limited to Asia/Pacific, but the scale of impact is expected to be wider and intensified in the following month.

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



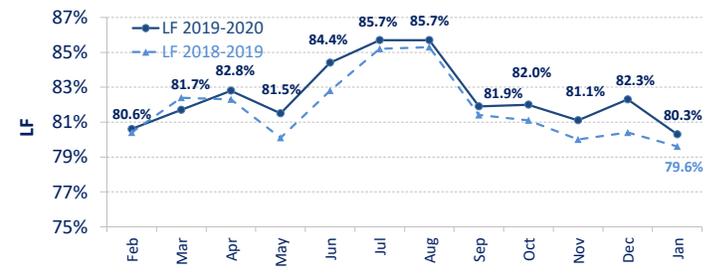
\*UNWTO Definition

(Source: IATA, UNWTO)

### Load Factor - LF

The passenger Load Factor reached 80.3% in January 2020, -2.0 percentage points lower than the previous month.

As traffic growth outpaced the capacity expansion, the January LF was +0.7 percentage points higher compared to the rate in the same period of 2019.

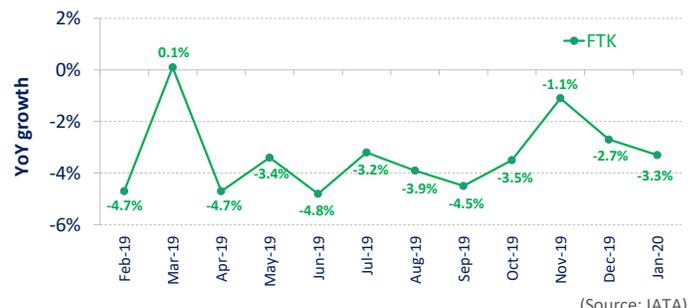


(Source: IATA)

### FREIGHT TRAFFIC

#### Freight Tonne-Kilometres - FTK

World freight traffic reported a decline of -3.3% YoY in January 2020, a further slip of -0.6 percentage point from the decline of the previous month. Later timing of Chinese New Year and the conclusion of a phase one trade agreement between United States and China positively contributed to the air cargo demand. However, this was then offset by the disruption on cargo supply chain due to COVID-19 outbreak at the end of the month. All regions posted negative growth, except for Africa and Latin America/Caribbean. Asia/Pacific became the weakest performing region, accounting for the bulk of the overall freight traffic decline, followed by the stagnant performance in Europe.



(Source: IATA)

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

JAN 2020: +1.9%, -1.8%, and -6.4% YoY in terms of aircraft departures, passengers and freight for the Top 15

JAN 20

| Airports<br>(ranking by number of departures) | Departures | YoY      | Airports<br>(ranking by number of passengers) | Passengers* | YoY      | Airports<br>(ranking by tonnes of freight) | Freight** | YoY      |
|---|------------|----------|---|-------------|----------|--|-----------|----------|
| Atlanta GA, US (ATL)                          | 36,747     | ↑ 2.1%   | Atlanta GA, US (ATL)                          | 4,155,165   | ↑ 3.1%   | Hong Kong, CN (HKG)                        | 351,000   | ↓ -10.6% |
| Chicago IL, US (ORD)                          | 35,709     | ↑ 8.2%   | Dubai, AE (DXB)                               | 3,929,139   | ↓ -0.2%  | Memphis TN, US (MEM)                       | 341,052   | ↓ -10.6% |
| Dallas/Fort Worth TX, US (DFW)                | 28,854     | ↑ 2.9%   | Beijing, CN (PEK)                             | 3,648,177   | ↓ -15.4% | Shanghai, CN (PVG)                         | 260,933   | ↓ -9.5%  |
| Los Angeles CA, US (LAX)                      | 27,874     | ↓ -2.0%  | Los Angeles CA, US (LAX)                      | 3,339,226   | ↓ -1.0%  | Dubai, AE (DXB)                            | 219,116   | ↓ -6.5%  |
| Denver CO, US (DEN)                           | 25,532     | ↑ 6.0%   | Tokyo, JP (HND)                               | 3,300,219   | ↓ -2.2%  | Louisville KY, US (SDF)                    | 212,863   | ↑ 5.4%   |
| Charlotte NC, US (CLT)                        | 24,846     | ↑ 6.7%   | Incheon, KR (ICN)                             | 3,156,293   | ↑ 0.9%   | Incheon, KR (ICN)                          | 200,341   | ↓ -4.3%  |
| Beijing, CN (PEK)                             | 23,577     | ↓ -11.2% | Bangkok, TH (BKK)                             | 3,052,072   | ↓ -0.3%  | Anchorage AK, US (ANC)                     | 189,772   | ↓ -10.8% |
| Shanghai, CN (PVG)                            | 21,423     | ↓ -2.4%  | New Delhi, IN (DEL)                           | 3,049,881   | ↑ 2.5%   | Doha, QA (DOH)                             | 176,279   | ↑ 10.0%  |
| Phoenix AZ, US (DVT)                          | 21,302     | ↑ 4.8%   | London, GB (LHR)                              | 3,049,763   | ↑ 2.9%   | Miami FL, US (MIA)                         | 174,805   | ↓ -1.7%  |
| Guangzhou, CN (CAN)                           | 21,030     | ↓ -0.1%  | Shanghai, CN (PVG)                            | 2,996,571   | ↓ -5.4%  | Taipei, CN (TPE)                           | 166,428   | ↓ -9.6%  |
| New Delhi, IN (DEL)                           | 20,753     | ↑ 4.7%   | Singapore, SG (SIN)                           | 2,975,500   | ↑ 5.2%   | Beijing, CN (PEK)                          | 159,392   | ↓ -11.0% |
| Houston TX, US (IAH)                          | 19,994     | ↑ 1.2%   | Dallas/Fort Worth TX, US (DFW)                | 2,891,924   | ↑ 5.3%   | Singapore, SG (SIN)                        | 156,900   | ↓ -8.4%  |
| Phoenix AZ, US (PHX)                          | 19,608     | ↑ 5.2%   | Guangzhou, CN (CAN)                           | 2,891,201   | ↓ -4.9%  | Paris, FR (CDG)                            | 148,000   | ↓ -2.1%  |
| Tokyo, JP (HND)                               | 19,482     | ↑ 0.7%   | Hong Kong, CN (HKG)                           | 2,855,500   | ↓ -11.7% | Tokyo, JP (NRT)                            | 146,607   | ↓ -6.0%  |
| Amsterdam, NL (AMS)                           | 19,440     | ↑ 0.9%   | Chicago IL, US (ORD)                          | 2,765,690   | ↑ 0.4%   | Los Angeles CA, US (LAX)                   | 145,607   | ↓ -7.3%  |

Note: Total scheduled and non-scheduled services

In terms of aircraft departures, the Top 15 airports reported a growth of +1.9% YoY. Eleven out of the Top 15 airports posted YoY increases. Atlanta ranked 1st up by +2.1%, whereas, Chicago became 2nd albeit recording the highest growth at +8.2%. Beijing experienced the most significant decline at -11.2% due to flight cancellations.

In terms of passengers, the Top 15 airports reported a decline of -1.8% YoY. Over half of the Top 15 airports posted YoY decrease. Abrupt decline was observed in major hubs in Asia/Pacific, mostly in China, heavily impacted by the travel bans and falling demand. Beijing, Hong Kong and Shanghai, contracted by -15.4%, -11.7% and -5.4%, respectively.

In terms of freight, the Top 15 airports reported a decline of -6.4% YoY. Most of the Top 15 airports posted declines with double-digit fall in 4 major hubs. Beijing slumped by -11.0%, followed by Anchorage at -10.8% and Hong Kong at -10.6%. Two airports contributed positively to freight traffic with Doha recording the highest growth at +10.0% followed by Louisville at +5.4%.

(Source: ACI)

## TOP 15 AIRLINE GROUPS (Ranked by RPK)

JAN 2020: +2.6% YoY in terms of RPK for the Top 15

In terms of RPK, the Top 15 airline groups accounted for 46.8% of the world's total RPK in January 2020 and grew by +2.6% YoY. This growth was +0.2 percentage point higher than the world's average on scheduled services. Eleven out of the Top 15 airline groups posted YoY growth.

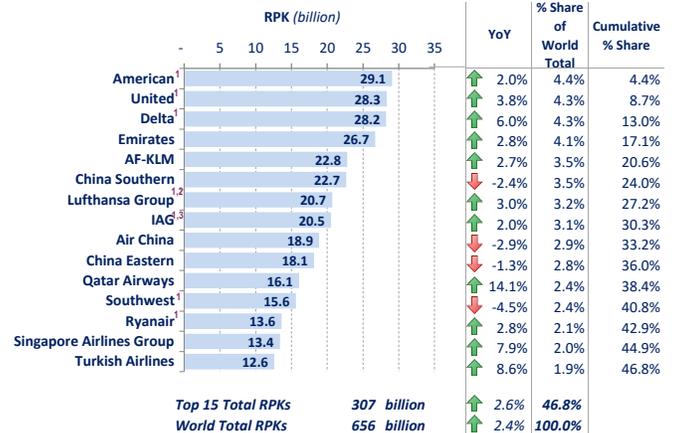
American ranked 1st albeit with moderate growth of +2.0%. United rose by +3.8% and went down 1 position to the 2nd. Delta remained at 3rd and grew by +6.0%. Southwest posted the largest decline among the Top 15 at -4.5% and ranked 1 position down to 12th.

Emirates grew by +2.8% while remained at 4th. Qatar Airways recorded the fastest growth among the Top 15 airlines at +14.1% and improved 1 position to 11th.

AF-KLM and Lufthansa ranked 1 position up to 5th and 7th, albeit with modest growth at +2.7% and +3.0%, respectively. IAG increased by +2.0% and ranked 1 position down to 8th. Ryanair and Turkish Airlines maintained their position at 13th and 15th, and increased by +2.8% and +8.6%, respectively.

All the three major Chinese airlines posted declines due to the flight cancellations and demand drop. With a decrease of -2.4%, China Southern went down 1 position to 6th. Air China and China Eastern retained their 9th and 10th position, however, contracted by -2.9% and -1.3%, respectively. Singapore Airlines grew by 7.9% and remained at 14th.

JAN 20



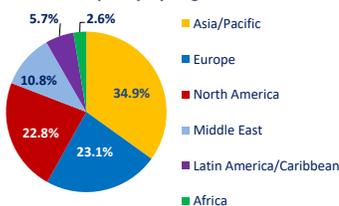
(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

## CAPACITY BY REGION (ICAO Statistical Regions)

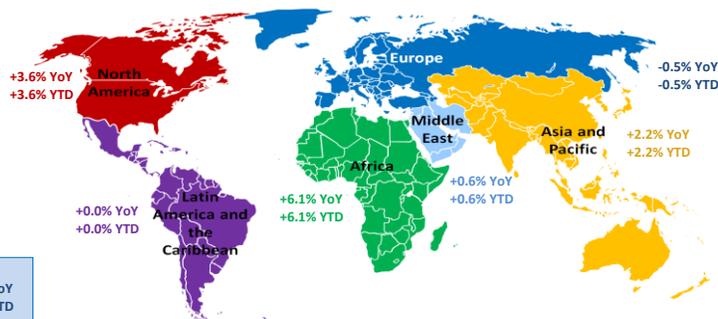
JAN 2020: +1.7% YoY in terms of World ASK

% Share of Capacity by Region



(Source: ICAO, IATA, OAG)

Note: Total scheduled services



Worldwide capacity expansion grew by +1.7% YoY in January 2020. Four regions, Asia/Pacific, Europe, Latin America/Caribbean and North America, decelerated in capacity expansion, with Europe being the only region recording negative growth at -0.5%.

Africa continued to be the fastest capacity expanding region, followed by the North America.

\* Embarked Passengers \*\* Loaded and Unloaded Freight in Tonnes 1. ICAO estimates 2. Lufthansa Airlines, Austrian Airlines, Brussels Airlines, Edelweiss Air, Eurowings, SWISS, 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.