

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

GLOBAL KEY FIGURES

SEP 2022

(versus SEP 2019)

RPK ▼ -26.2% **ASK** ▼ -25.9% **CTK** ▼ -3.6% **LF**: 81.6% ▼ -0.3%

OUTLOOK* - OCT 2022

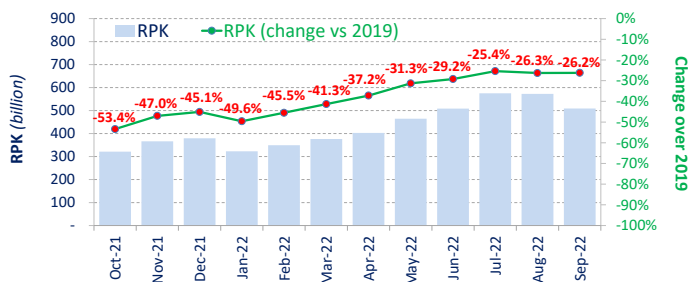
(versus OCT 2019)

ASK ▼ -24.7% * Source OAG

PASSENGER TRAFFIC

Revenue Passenger-Kilometres - RPK

World passenger traffic in September 2022 was -26.2% below the 2019 level, +0.1 percentage point up from the decline in the previous month. The momentum of air travel recovery appeared stable in traditionally low travel season compared to the summer peak. Three regions, i.e. North America, the Middle East and Africa, posted an acceleration in growth, with the former recording a solid pick-up and becoming the top-performing region. The domestic market of North America demonstrated the most resilience and exceeded the pre-pandemic level.



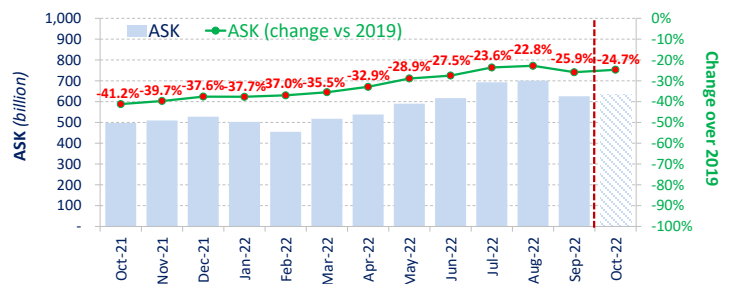
(Source: ICAO, IATA, OAG)

CAPACITY

Available Seat-Kilometres - ASK

Capacity worldwide in September 2022 was -25.9% below the 2019 level, -3.1 percentage points down from the decline in the previous month (-22.8%).

As air travel recovery continues, capacity offered in October is expected to improve to -24.7% below the 2019 level.



(Source: ICAO, IATA, OAG)

International Passengers vs. Tourist Arrivals

International passenger numbers in September 2022 was -27.4% below the 2019 level, +0.9 percentage point up from the decline in the previous month. All regions, except for Europe, posted improvements in recovery.

The recovery in international tourist arrivals followed the similar trend as international passenger traffic.



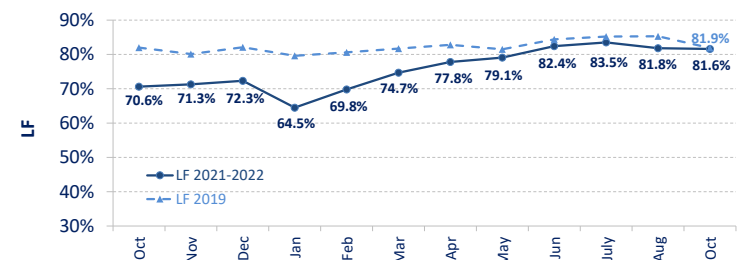
*UNWTO Definition

(Source: ICAO, UNWTO)

Load Factor - LF

The passenger Load Factor reached 81.6% in September 2022, -0.2 percentage point below than the previous month.

With the continued improvement, load factor in September has recovered to -0.3 percentage point below the level saw in the same month of 2019.

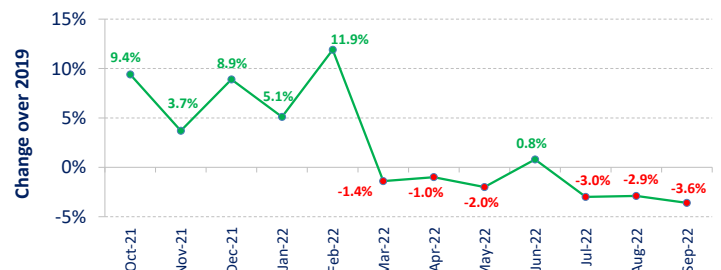


(Source: IATA)

CARGO TRAFFIC

Cargo Tonne-Kilometres - CTK

World cargo traffic in September 2022 was -3.6% below the 2019 level, -0.7 percentage point down from the decline in the previous month. Air cargo demand continued to soften facing various headwinds such as the high interest rates, rising inflation, reduced consumer online spending as well as the weak international export demand. Performance diverged across regions. In particular, Africa and North America continued to outperform other regions and achieved double-digit growth over the pre-pandemic levels. Both regions have also shown improvements compared to the previous month, while cargo traffic of the other regions posted slight deterioration and remained below the pre-pandemic level.



(Source: IATA)

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

SEP 2022: -9.9%, -10.8%, and +7.9% (vs. 2019) in terms of aircraft movements, passengers and freight for the Top 15

SEP 22

Airports (ranking by number of departures)	Movements	vs. 2019	Airports (ranking by number of passengers)	Passengers*	vs. 2019	Airports (ranking by tonnes of freight)	Freight**	vs. 2019
Chicago IL, US (ORD)	61,309	↓ -21.7%	Atlanta GA, US (ATL)	8,013,866	↓ -8.2%	Hong Kong SAR, CN (HKG)	339,000	↓ -14.6%
Atlanta GA, US (ATL)	60,668	↓ -16.3%	Istanbul, TR (IST)	6,407,322	↑ 2.6%	Memphis TN, US (MEM)	337,340	↑ 2.2%
Dallas/Fort Worth TX, US (DFW)	55,854	↓ -8.9%	Dallas/Fort Worth TX, US (DFW)	6,304,008	↑ 2.5%	Anchorage AK, US (ANC)	287,464	↑ 26.0%
Denver CO, US (DEN)	53,647	↓ -2.2%	Denver CO, US (DEN)	6,290,682	↑ 5.6%	Shanghai, CN (PVG)	273,014	↓ -12.7%
Las Vegas NV, US (LAS)	52,986	↑ 30.7%	Chicago IL, US (ORD)	6,110,276	↓ -13.7%	Louisville KY, US (SDF)	235,104	↑ 12.8%
Los Angeles CA, US (LAX)	45,631	↓ -17.8%	Dubai, AE (DXB)	5,815,292	↓ -16.9%	Incheon, KR (ICN)	224,904	↑ 1.1%
Charlotte NC, US (CLT)	41,589	↓ -13.4%	London, GB (LHR)	5,780,628	↓ -14.7%	Miami FL, US (MIA)	202,154	↑ 27.5%
Istanbul, TR (IST)	40,091	↑ 4.6%	Los Angeles CA, US (LAX)	5,622,638	↓ -19.8%	Taipei, CN (TPE)	198,210	↑ 7.9%
Amsterdam, NL (AMS)	39,573	↓ -13.5%	Paris, FR (CDG)	5,366,347	↓ -21.3%	Paris, FR (CDG)	196,574	↑ 23.6%
New York NY, US (JFK)	37,534	↓ -1.2%	Amsterdam, NL (AMS)	5,196,931	↓ -20.0%	Tokyo, JP (NRT)	190,596	↑ 7.8%
Paris, FR (CDG)	36,947	↓ -18.0%	New Delhi, IN (DEL)	5,071,521	↓ -11.0%	Doha, QA (DOH)	187,597	↑ 4.0%
Seattle WA, US (SEA)	36,684	↓ -3.8%	New York NY, US (JFK)	4,961,303	↓ -3.9%	Los Angeles CA, US (LAX)	187,503	↑ 17.5%
New Delhi, IN (DEL)	35,266	↓ -10.2%	Frankfurt, DE (FRA)	4,886,634	↓ -27.2%	Cincinnati OH, US (CVG)	186,441	↑ 102.4%
Boston MA, US (BOS)	34,588	↓ -7.4%	Madrid, ES (MAD)	4,786,675	↓ -14.0%	Chicago IL, US (ORD)	166,038	↑ 14.2%
Frankfurt, DE (FRA)	34,171	↓ -26.8%	Las Vegas NV, US (LAS)	4,758,947	↑ 9.7%	Frankfurt, DE (FRA)	154,589	↓ -6.1%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of **aircraft movements**, the Top 15 airports reported a combined fall of **-9.9%** compared to 2019. Ten out of the Top 15 airports were US airports. **Chicago** overtook Atlanta and ascended to **1st**, with a decline of **-21.7%**. For the fourth consecutive month, **Las Vegas** and **Istanbul** posted increases with the former recording a robust growth of **+30.7%**.

In terms of **passengers**, the Top 15 airports posted a total fall of **-10.8%** compared to 2019. The Top 15 list continued to have a mixed of airports from different regions. **Atlanta** remained **1st** with a decline of **-8.2%**. **Frankfurt** recorded the largest contraction of **-27.2%**, followed by **Paris (-21.3%)**. **Las Vegas** recorded the highest positive growth, followed by **Denver**, at **+9.7%** and **+5.6%**, respectively.

In terms of **freight**, the Top 15 airports reported an increase of **+7.9%** compared to 2019. Seven of the Top 15 airports posted double-digit growth. **Cincinnati** recorded the most significant growth at **+102.4%**, followed by **Miami** at **+27.5%**. **Hong Kong** outstripped Memphis and became **1st**, however it recorded the largest fall of **-14.6%**.

TOP 15 AIRLINE GROUPS (Ranked by RPK)

SEP 2022: -17.4% (vs. 2019) in terms of RPK for the Top 15

SEP 22

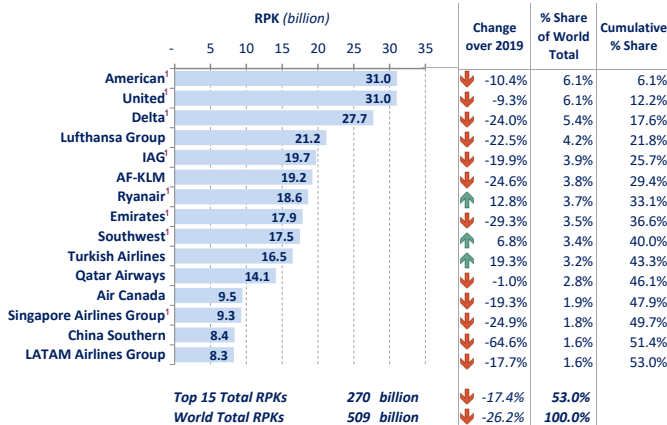
In terms of **RPK**, the Top 15 airline groups accounted for **53.0%** of the world's total RPK in **September 2022** and declined by **-17.4%** compared to 2019. This decline was 8.8 percentage points smaller than the fall in world's average RPK.

The US airlines retained the Top 3 positions, with **American** at **1st**, followed by **United** and **Delta**. **Southwest** maintained the **9th** place and recorded positive growth over the pre-pandemic traffic level.

Performance of airlines in Europe were stable compared to the previous month. **Lufthansa**, **IAG** and **AF-KLM** kept the same positions at **4th**, **5th** and **6th**, respectively. **Ryanair** and **Turkish Airlines** maintained the same positions and continued to post positive growth.

Two Middle Eastern airlines, **Emirates** and **Qatar**, continued to recover steadily, and maintained the same positions at **8th** and **11th**.

China Southern dropped two positions to **14th** with a deteriorated decline at **-64.6%**. **Singapore Airlines** improved one position to **13th**, while **LATAM** remained at the **15th**.



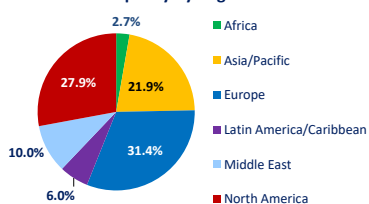
(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

CAPACITY BY REGION (ICAO Statistical Regions)

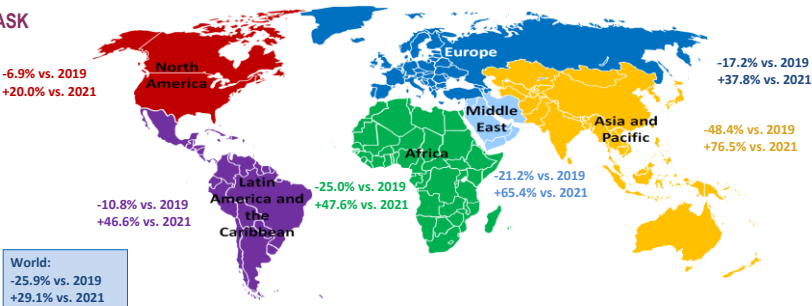
SEP 2022: -25.9% (vs. 2019) in terms of World ASK

% Share of Capacity by Region



(Source: ICAO, IATA, OAG)

Note: Total scheduled services



Worldwide capacity contracted by **-25.9%** in **September 2022**, compared to 2019. Performance has been mixed among the regions. Whereas North America and Africa posted improvements, the other regions showed a slowdown in capacity recovery.

Asia/Pacific recorded the largest contraction from the pre-pandemic level, followed by Africa and the Middle East.

* Total Passengers ** Loaded and Unloaded Freight in Tonnes 1. ICAO estimates

ACRONYMS: ACI: Airports Council International; ASK: Available Seat-Kilometres; IATA: International Air Transport Association; CTK: Cargo 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.