



**Network Manager**  
nominated by  
the European Commission



# Monthly Network Operations Report

Overview – July 2018



# 1. SUMMARY

Traffic in July 2018 increased by 3.7% compared to July 2017 and was in line with the high forecast. Nine states added more than 50 flights daily to the network with Germany, Greece and Turkey as the top contributors.

Total ATFM delays increased by 70.9% in July 2018 compared to July 2017. En-route ATFM delays (135,246 min/daily) doubled (102.4%) mainly due to ATC capacity/staffing and weather; airport ATFM delays (25,333 min/daily) decreased by 6.8%. The average daily flights with an en-route ATFM delay of at least 15 minutes also doubled (108.0%) compared to July 2017.

Despite being the quietest days of the week in terms of total traffic demand, more ATFM delay occurred on Saturdays and Sundays than on any weekday. All weekend days had ATFM delay/flight over 5 minutes.

Highlights include:

*En-route:*

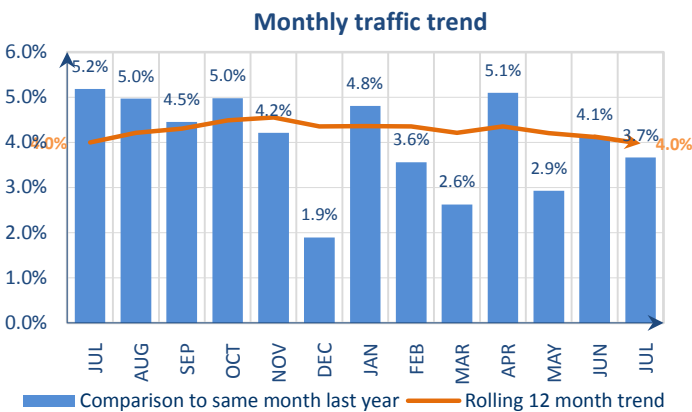
- High ATC capacity delays in Karlsruhe UAC;
- High ATC staffing delays in Marseille ACC;
- Weather affected large areas of North West Europe and generated delays;

*Airport:*

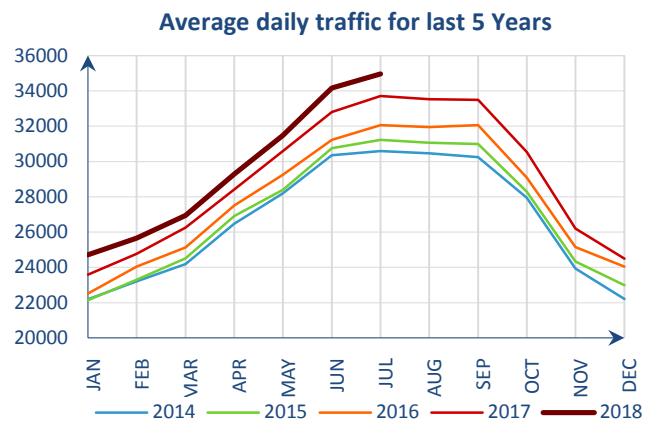
- There were capacity issues at Lisbon, London/Gatwick and Istanbul/Ataturk airports.

The average en-route ATFM delay per flight in the NM area<sup>i</sup> in July was 3.87 min/ft, which is well above the corresponding monthly guideline<sup>ii</sup> value of 1.08 min/ft. The average YTD en-route ATFM delay per flight in 2018 in the NM area<sup>i</sup> is 1.90 min/ft which is more than three times the corresponding guideline value of 0.52 min/ft.

## 2. TOTAL TRAFFIC

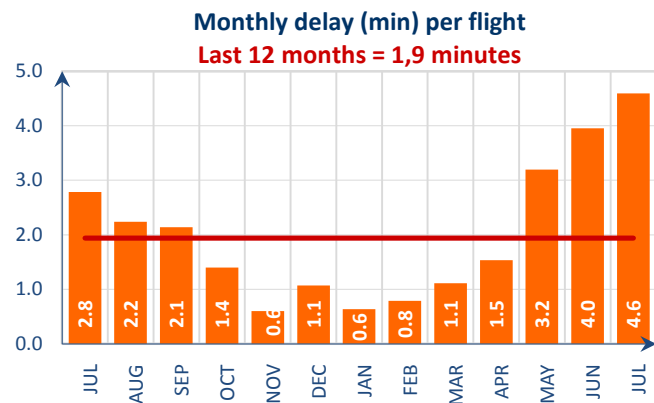


Traffic increased by 3.7% in July 2018<sup>iii</sup>.

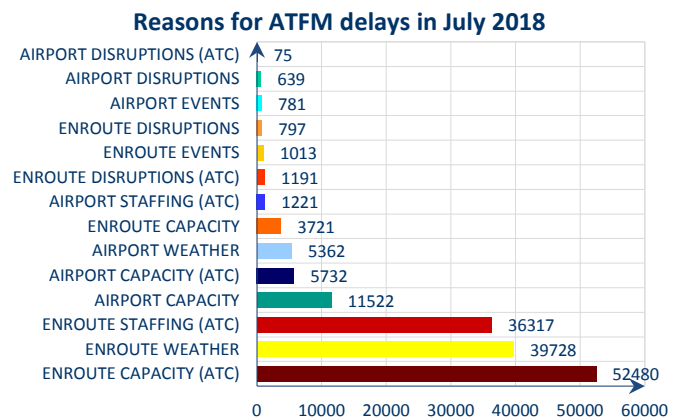


Average daily traffic in July 2018 was the highest ever recorded for July.

## 3. ATFM DELAYS



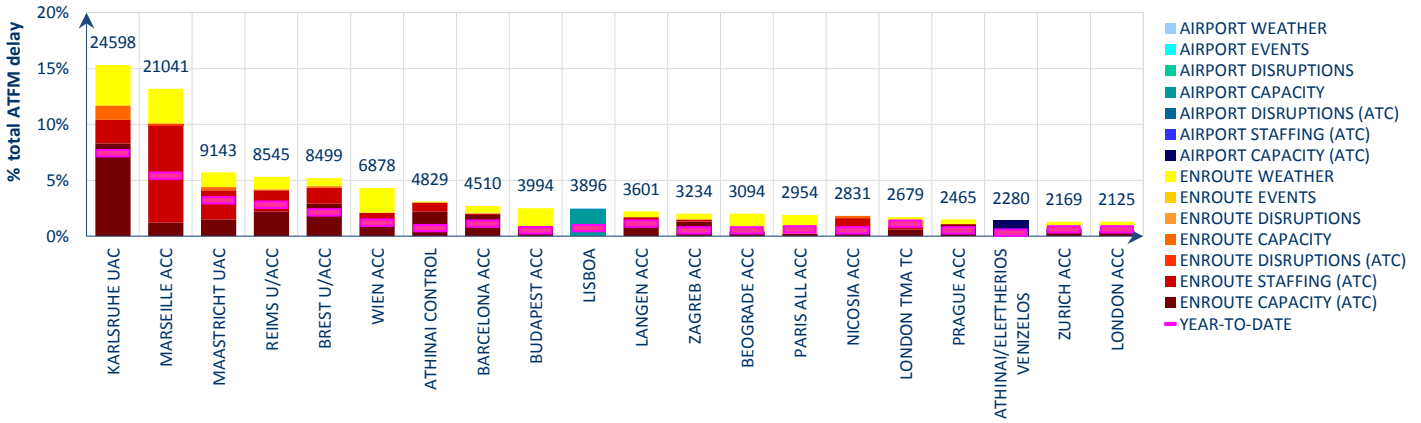
Average ATFM delay per flight increased from 4.0 min/ft in June 2018 to 4.6 min/ft in July 2018.



En-route ATC capacity (32.7%), en-route weather (24.7%) and en-route ATC staffing (22.6%) were the main causes of ATFM delays in July 2018.

## Top 20 delay locations (min) in July 2018

YTD Situation

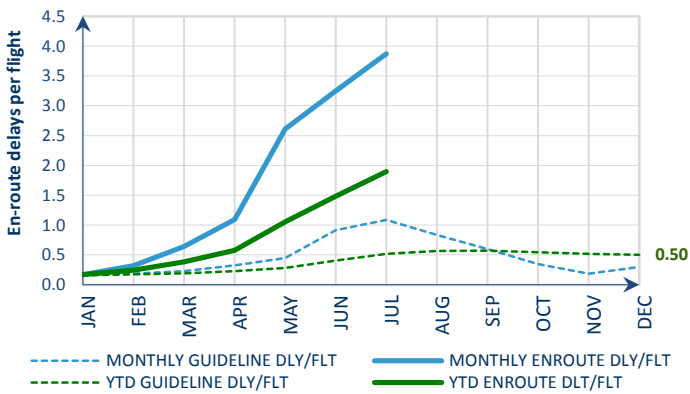


These are the top 20 delay generating locations for the reporting month with respect to total ATFM delays. Figures are the average daily delays in minutes for the individual locations.

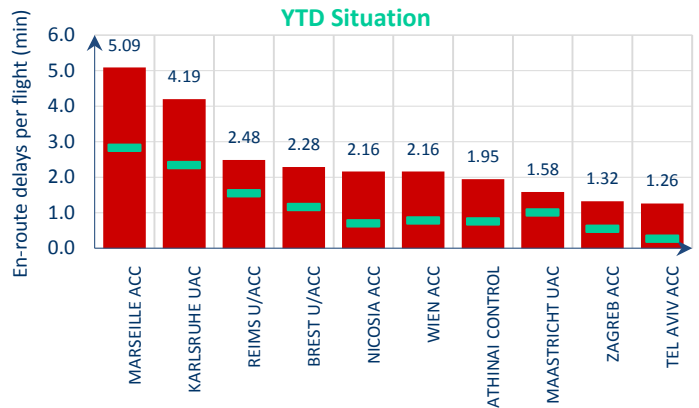
- High en-route capacity delays in Karlsruhe UAC, and to a lesser extent in Brest, Reims, Athens and Barcelona ACCs;
- En-route weather issues in Karlsruhe, Marseille, Vienna, Paris, Budapest and Beograd ACCs;
- High en-route staffing delays in Marseille ACC, and to a lesser extent in Maastricht, Karlsruhe, Reims and Brest ACCs;

## 4. EN-ROUTE ATFM DELAY MONITORING

Monthly en-route delay per flight monitoring



Top 10 en-route delay per flight in July 2018

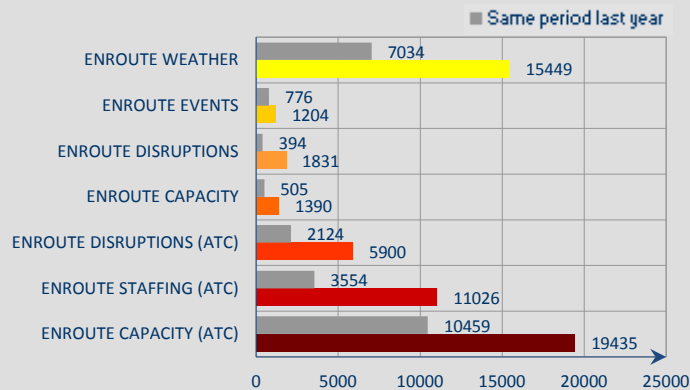


**Reporting month:** The average en-route ATFM delay per flight in the NM area<sup>i</sup> in July was 3.87 min/ft, which is well above the corresponding monthly guideline<sup>ii</sup> value of 1.08 min/ft.

**Year To Date:** The average YTD en-route ATFM delay per flight in 2018 in the NM area<sup>i</sup> is 1.90 min/ft which is which is more than three times the corresponding guideline value of 0.52 min/ft.

ATC capacity in Karlsruhe, Athens, Tel Aviv, Brest and Reims ACCs; Staffing in Marseille, Nicosia, Maastricht, Reims and Brest ACCs; Weather issues in Marseille, Vienna and Karlsruhe ACCs.

## Year-to-date average daily en-route delays



All en-route delays are above last year's level (YTD), the main contributors are:  
*En-route weather* (+119.6%) in Karlsruhe, Maastricht, Reims, Vienna and Marseille ACCs;  
*En-route events* (+55.2%) in London TC, Maastricht and Barcelona TMA ACCs;  
*En-route disruptions* (+177.8%) in Reims, Brest, Karlsruhe, Bordeaux and Madrid ACCs;  
*En-route capacity* (+175.3%) in Karlsruhe, Maastricht, Reims, Brest and Marseille ACCs;  
*En-route ATC disruption* (+177.8%) in Marseille, Brest, Bordeaux, Reims and Paris ACCs;  
*En-route ATC staffing* (+210.2%) in Marseille, Karlsruhe, Maastricht, Reims and Brest ACCs;  
*En-route ATC capacity* (+85.8%) in Karlsruhe, Reims, Brest, Maastricht and Langen ACCs.

## NOTICE

### Incomplete traffic data – 3 April

NM operational data archive for 3 April is incomplete due to NM system outage (See note iv).

### Traffic and Delay Comparisons

All traffic and delay comparisons are between report month and equivalent month of previous year, unless otherwise stated.

### NM Area

All figures presented in this report are for the geographical area that is within Network Manager's responsibility (NM area). For further information on the NM Area go to the Reporting Assumptions and Descriptions document available on the EUROCONTROL website at <http://www.eurocontrol.int/articles/network-operations-monitoring-and-reporting>.

### Regulation Reason Groupings

See Analysis for more information on colour coding. For further information on the NM Area and the regulation reason groupings, go to the Reporting Assumptions and Descriptions document available on the EUROCONTROL website at <http://www.eurocontrol.int/articles/network-operations-monitoring-and-reporting>.

### ATFM Statistics dashboard

More detailed information available via the new **ATFM Statistics dashboard**

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i See Notice on page 4 for more information on NM Area .

ii NM's calculation that provides the guideline en-route delay (min) requirements to achieve the annual target (0.5 min/flight).

iii See notice on page 4 for more information on traffic and delays comparisons.

iv On the 03 April the Network Manager suffered an outage of its technical system affecting its operational services, which resulted in the non-availability of traffic data. Therefore the NOR traffic data for this date are based on guideline estimated traffic.