



**Network Manager**  
nominated by  
the European Commission



# Monthly Network Operations Report

Overview – May 2018



# 1. SUMMARY

Traffic in May 2018 increased by 2.9% compared to May 2017 and was in line with the baseline forecast. Nine states added more than 50 flights daily to the network with Greece, Turkey and Spain as the top contributors.

Total ATFM delays increased by 176.5% in May 2018 compared to May 2017. En-route ATFM delays (82,138 min/daily) increased by 283.8% mainly due to weather and ATC industrial action in Marseille ACC; airport ATFM delays (18,497 min/daily) increased by 23.4% mainly due to weather.

Highlights include:

Amsterdam/Schiphol became a fully operational A-CDM airport on 16 May. It is the first airport to be connected via B2B on first operations and the second to be sending DPI messages via B2B.

*En-route:*

- Nearly 1 million minutes of weather delays throughout the central area of the network in the second part of the month and particularly in Maastricht and Karlsruhe UACs;
- Over 500,000 minutes of delay due to French industrial action;
- ATC capacity and staffing issues in Karlsruhe UAC.

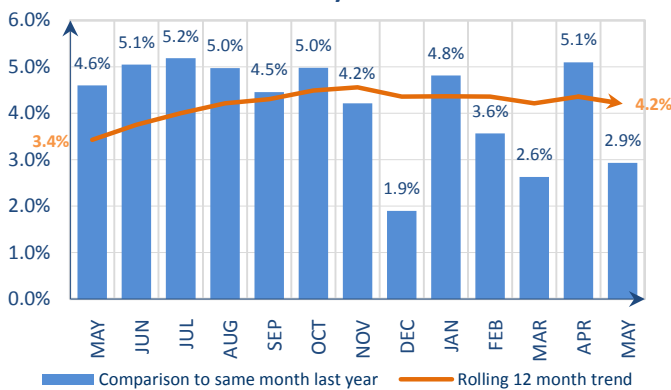
*Airport:*

- Seasonal weather impacted operations strongly at Frankfurt/Main and Amsterdam/Schiphol airports, and to a lesser extent at London/Gatwick airport;
- There were capacity issues at London/Gatwick and Amsterdam/Schiphol airports.

The average en-route ATFM delay per flight in the NM area<sup>i</sup> in May was 2.61 min/flt, which is well above the corresponding monthly guideline<sup>ii</sup> value of 0.45 min/flt. The average YTD en-route ATFM delay per flight in 2018 in the NM area<sup>i</sup> is 1.05 min/flt which is four times the corresponding guideline value of 0.28 min/flt.

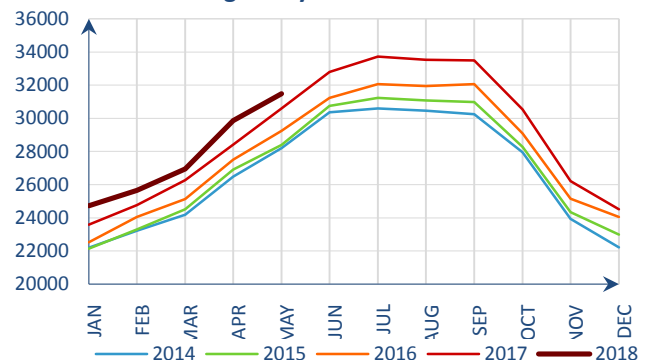
## 2. TOTAL TRAFFIC

Monthly traffic trend



Traffic increased by 2.9% in May 2018<sup>iii</sup>.

Average daily traffic for last 5 Years

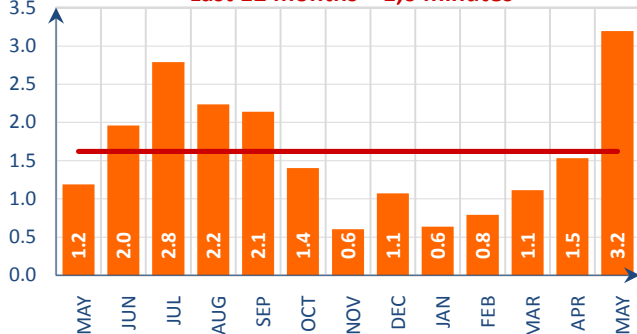


Average daily traffic in May 2018 was the highest for May in the last five years.

## 3. ATFM DELAYS

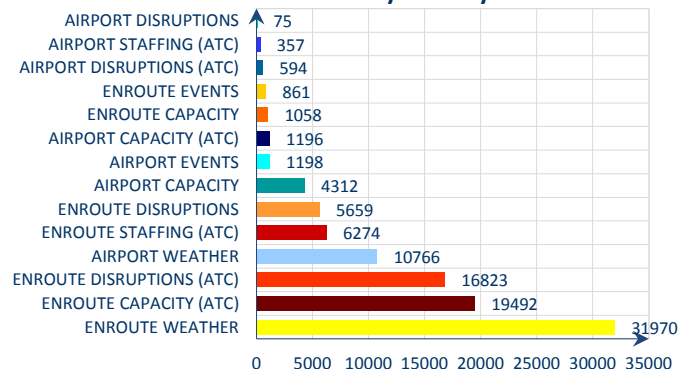
Monthly delay (min) per flight

Last 12 months = 1,6 minutes



Average ATFM delay per flight increased from 1.5 min/flt in April 2018 to 3.2 min/flt in May 2018.

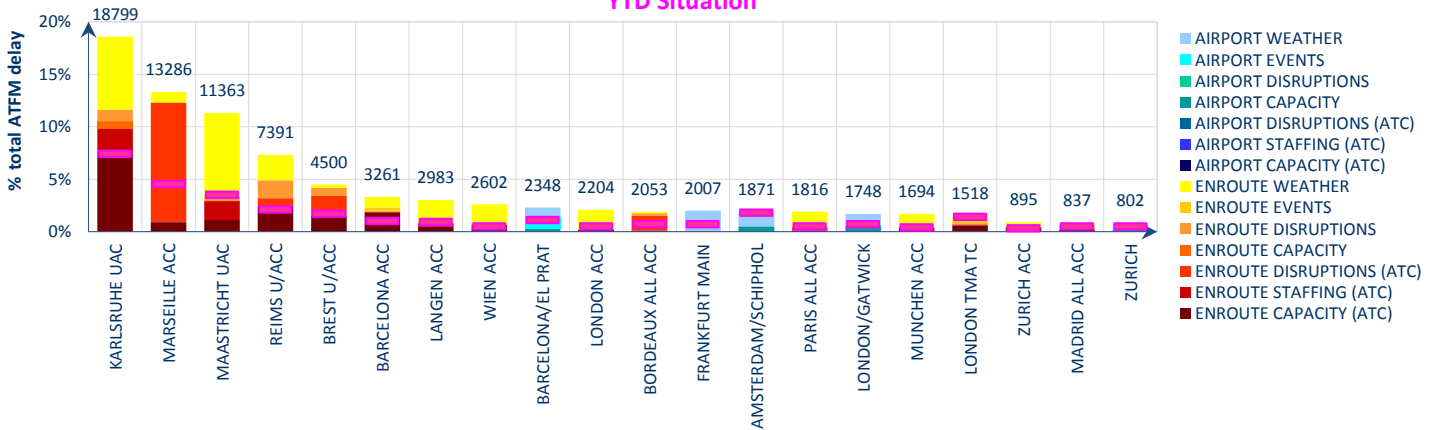
Reasons for ATFM delays in May 2018



En-route weather (31.8%), en-route ATC capacity (19.4%), en-route ATC disruptions (16.7%) were the main causes of ATFM delays in May 2018.

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

YTD Situation

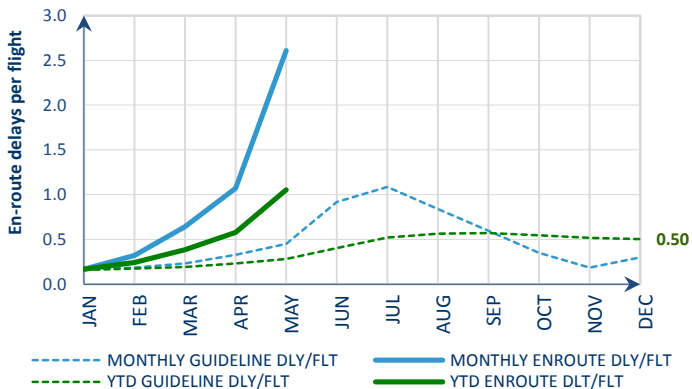


These are the top 20 delay generating locations for the reporting month with respect to total ATFM delays. Figures are the average daily delays in minutes for the individual locations.

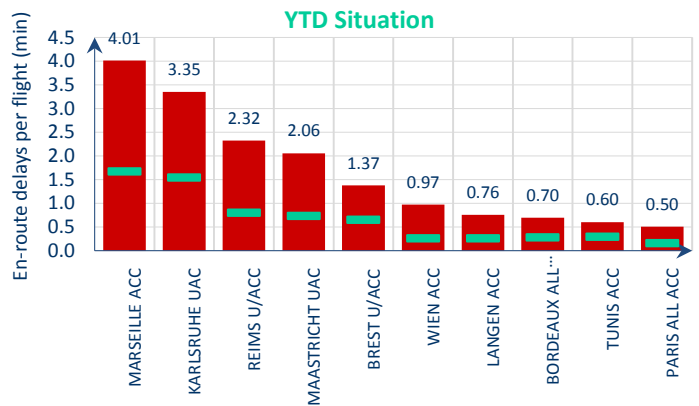
- En-route weather issues in Karlsruhe, Maastricht, Langer, Reims, London and Vienna ACCs;
- ATC industrial action in Marseille ACC generated disruptions in Marseille ACC with additional delays in Reims and Madrid ACCs;
- French ATC industrial action from 21 May to 23 May resulted in disruptions delays for Marseille, Brest, Bordeaux and Reims ACCs;
- En-route ATC staffing issues in Karlsruhe and Maastricht UACs;
- En-route capacity delays in Karlsruhe, Maastricht, Langen, Reims, Brest, Barcelona and London ACCs;
- Seasonal weather impacted operations at Frankfurt/Main, Amsterdam/Schiphol and London/Gatwick airports;
- Events delays at Barcelona airport due to BRAIN (Barcelona RNAV Approach Innovations) implementation in Barcelona TMA.

## 4. EN-ROUTE ATFM DELAY MONITORING

Monthly en-route delay per flight monitoring



Top 10 en-route delay per flight in May 2018

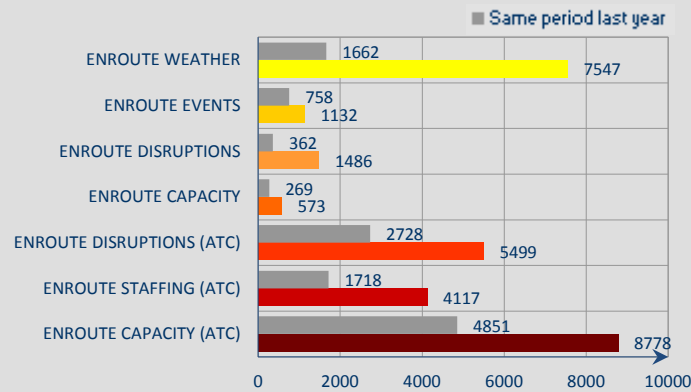


**Reporting month:** The average en-route ATFM delay per flight in the NM area<sup>i</sup> in May was 2.61 min/ft, which is well above the corresponding monthly guideline<sup>ii</sup> value of 0.45 min/ft.

**Year To Date:** The average YTD en-route ATFM delay per flight in 2018 in the NM area<sup>i</sup> is 1.05 min/ft which is four times the corresponding guideline value of 0.28 min/ft.

ATC disruptions in Marseille ACC; Staffing, capacity and weather in Karlsruhe UAC; Capacity, disruptions and weather issues in Reims ACC; Capacity, staffing and capacity in Brest ACC; Weather delays in Vienna ACC.

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



All en-route delays are above last year's level (YTD):

*En-route weather* in Maastricht, Karlsruhe, Reims, Langen and Vienna ACCs;  
*En-route events* in London TC, Maastricht, Barcelona, Bordeaux and Madrid ACCs;  
*En-route disruptions* in Reims, Karlsruhe, Madrid, Brest and Maastricht ACCs;  
*En-route capacity* in Karlsruhe, Maastricht and Nicosia ACCs;  
*En-route ATC disruption* in Marseille, Brest, Bordeaux, Reims and Paris ACCs;  
*En-route ATC staffing* in Karlsruhe, Maastricht, Brest, Langen and London ACCs;  
*En-route ATC capacity* in Karlsruhe, Reims, Brest, Maastricht and London TC ACCs.

## NOTICE

### 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.