



**Network Manager**  
nominated by  
the European Commission



# Monthly Network Operations Report

Overview – April 2018



# 1. SUMMARY

Traffic in April 2018 increased by 5.1% compared to April 2017 and was close to the baseline forecast. Ten states added more than 50 flights daily to the network with Turkey, Poland and Germany as the top contributor.

Total ATFM delays increased by 105.3% in April 2018 compared to April 2017. En-route ATFM delays (31,946 min/daily) increased by 166.7% mainly due to ATC capacity and disruptions; airport ATFM delays (12,988 min/daily) increased by 31.1% mainly due to weather. Highlights include:

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**En-route:**

- En-route capacity delays in Karlsruhe UAC;
- En-route ATC staffing issues in Maastricht UAC;
- Marseille ACC industrial action during two weekends generated a total of 113,358 minutes of en-route ATFM delay in France;
- Implementation of Extended Computer Display system in London TC.

**Airport:**

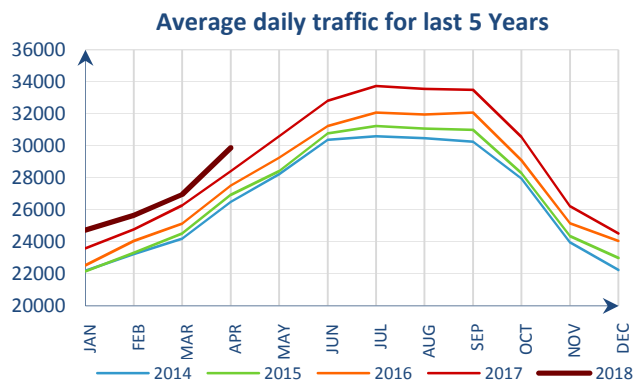
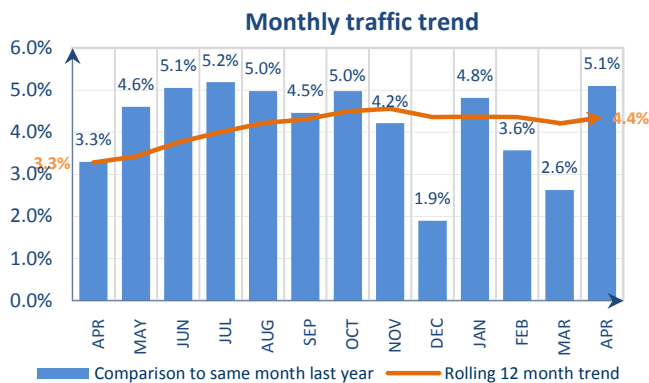
- Seasonal weather impacted operations at Amsterdam/Schiphol, Barcelona, London/Heathrow and London/Stansted airports;
- There were capacity issues at Istanbul/Atatürk and Amsterdam/Schiphol airports;

**Network:**

- On the 3 April the Network Manager suffered an outage of its technical system affecting primarily its ATFM and CCAMS operational services. Traffic patterns were disrupted between 12:00 and 18:00 UTC, with many flights incurring scheduled departure delays.

The average en-route ATFM delay per flight in the NM area<sup>i</sup> in April was 1.07 min/ft, which is above the corresponding monthly guideline<sup>ii</sup> value of 0.33 min/ft. The average YTD en-route ATFM delay per flight in 2018 in the NM area<sup>i</sup> is 0.58 min/ft which is above the corresponding guideline value of 0.23 min/ft.

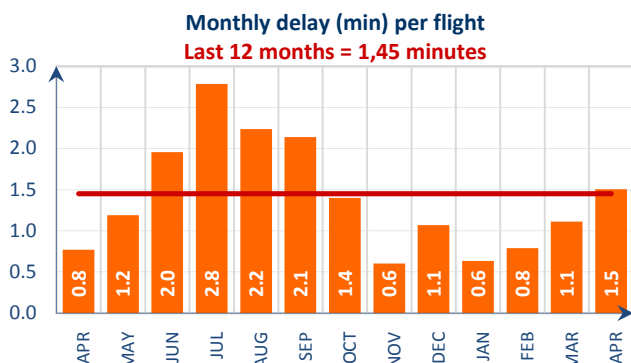
## 2. TOTAL TRAFFIC<sup>iii</sup>



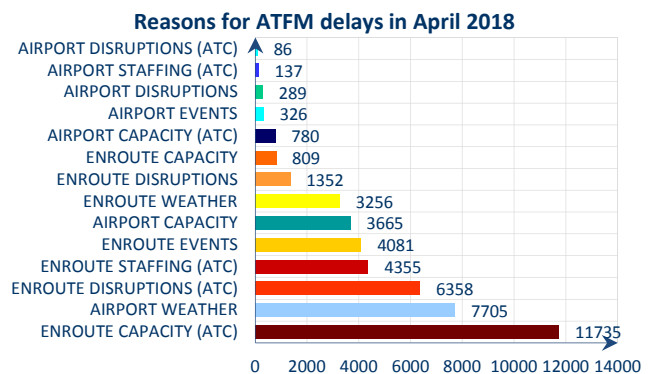
Traffic increased by 5.1% in April 2018<sup>v</sup>.

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

## 3. ATFM DELAYS



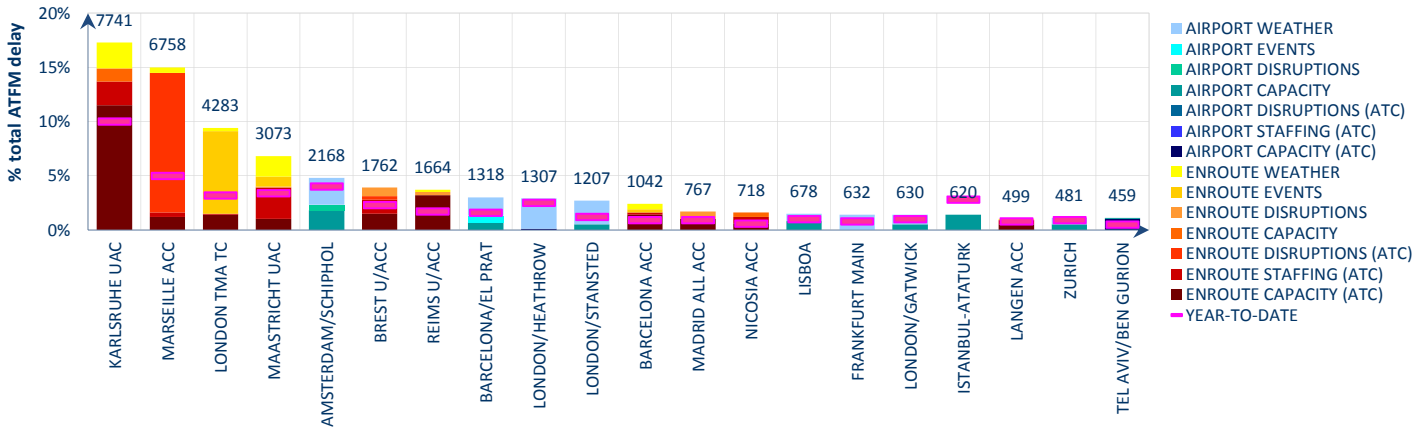
Average ATFM delay per flight increased from 1.1 min/ft in March 2018 to 1.5 min/ft in April 2018.



En-route ATC capacity (26.1%), airport weather (17.2%), en-route ATC disruptions (14.2%) were the main causes of ATFM delays in April 2018.

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

YTD Situation

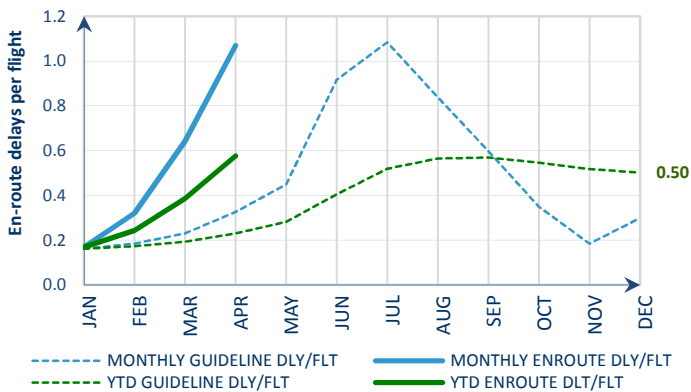


These are the top 20 delay generating locations for the reporting month with respect to total ATFM delays. Figures are the average daily delays in minutes for the individual locations.

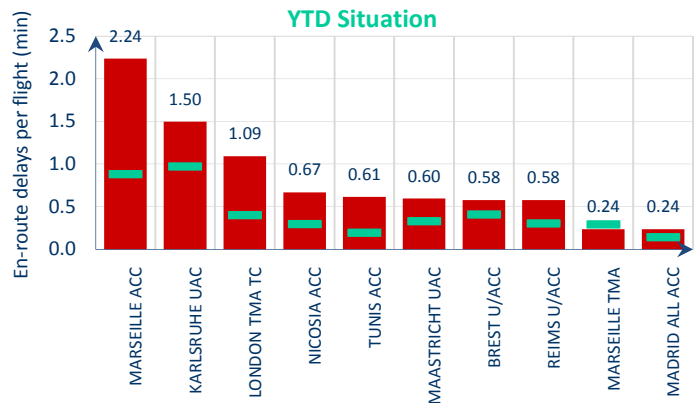
- Several industrial action in Marseille ACC generated en-route disruptions delays;
- En-route capacity delays in Karlsruhe, Marseille and Reims ACCs;
- En-route ATC staffing issues in Karlsruhe, Maastricht and Brest ACCs;
- Seasonal weather impacted operations at Amsterdam/Schiphol, Barcelona, London/Heathrow and London/Stansted airports;
- Capacity issues at Istanbul/Atatürk and Amsterdam/Schiphol airports;
- Implementation of Extended Computer Display system in London TC.

## 4. EN-ROUTE ATFM DELAY MONITORING

Monthly en-route delay per flight monitoring



Top 10 en-route delay per flight in April 2018

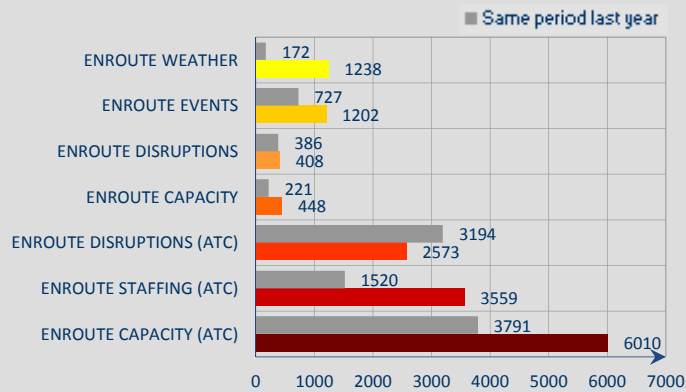


**Reporting month:** The average en-route ATFM delay per flight in the NM area<sup>i</sup> in April was 1.07 min/flt, which is above the corresponding monthly guideline<sup>ii</sup> value of 0.33 min/flt.

**Year To Date:** The average YTD en-route ATFM delay per flight in 2018 in the NM area<sup>i</sup> is 0.58 min/flt which is above the network target 0.23 min/flt.

ATC disruptions in Marseille ACC; Capacity and staffing in Karlsruhe UAC; ExCDS implementation in London; Capacity and staffing in Nicosia ACCs; Delays in Tunis ACC due to locally reported unload of traffic due to Marseille ACC industrial action; Staff and capacity issues in Maastricht and Brest UACs.

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



All delays, except ATC disruptions, are above last year's level (YTD):

*En-route weather* in Maastricht, Karlsruhe, Canarias, Marseille and London ACCs;

*En-route events* in London, Maastricht and Madrid ACCs;

*En-route disruptions* in Madrid, Brest, Tunis, Maastricht and Reims ACCs;

*En-route capacity* in Karlsruhe, Maastricht, Nicosia and Scottish ACCs;

*En-route ATC disruption* in Marseille, Brest, Bordeaux, Prague and Paris ACCs;

*En-route ATC staffing* in Karlsruhe, Maastricht, Brest, Langen and Warsaw ACCs;

*En-route ATC capacity* in Karlsruhe, Reims, Brest, London and Marseille ACCs.

## NOTICE

### Incomplete traffic data – 3 April

NM operational data archive for 3 April is incomplete due to NM system outage (see note iii)

### 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 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.

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