Monthly Network Operations Report

Overview – April 2019
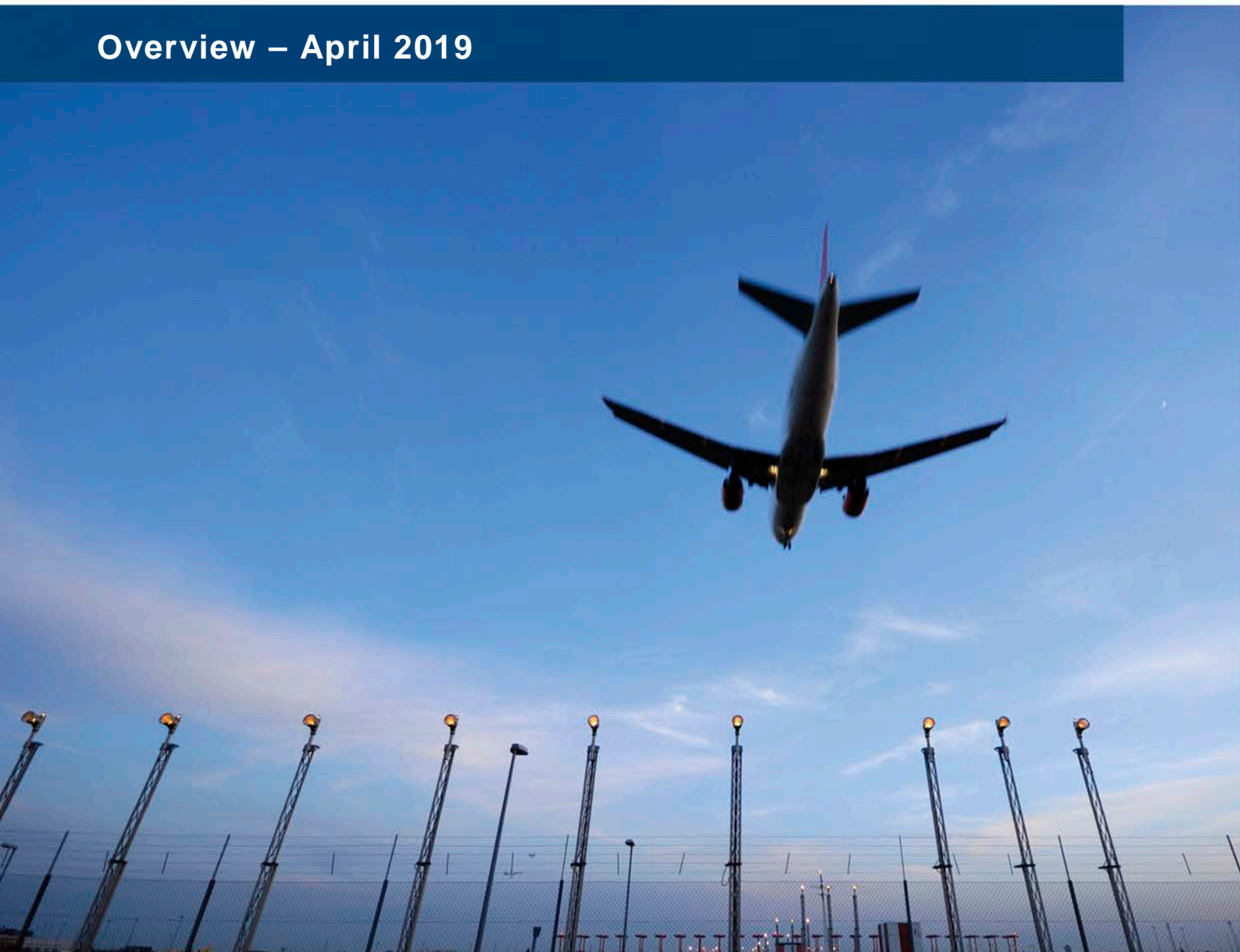
1. SUMMARY

Traffic in April 2019 increased by 1.4% compared to April 2018 and was aligned with the baseline forecast. Ten states added more than 50 flights daily to the network with France, Spain and Italy as the top contributors.

En-route ATFM delays (32,447 min/daily) increased by 1.0% and airport ATFM delays (13,757 min/daily) increased by 4.3% compared to April 2018.
There were, on average, 757 daily flights with an en-route ATFM delay of at least 15 minutes (+7.1% compared to April 2018).

Highlights include:
Lisbon airport became a fully operational A-CDM airport on 16 April. Lisbon is the third A-CDM airport connected to the network via B2B.
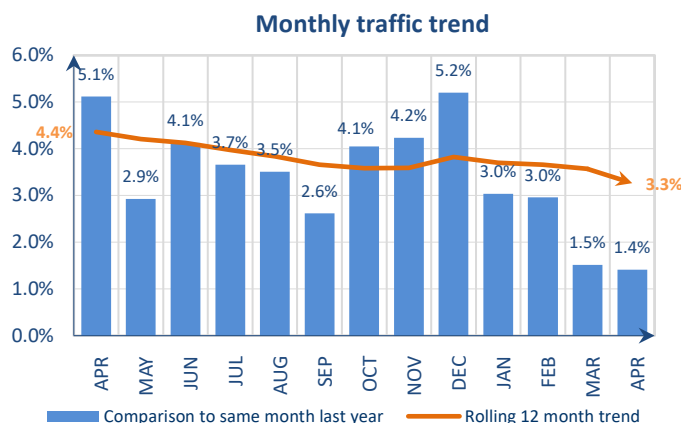
En-route:
- High en-route capacity delays in Karlsruhe UAC;
- High ATC staffing delays in Marseille and Brussels ACCs;
- ATC industrial action in Budapest on 17 April;
- Implementation of new ATM system in Bucuresti ACC.

Airport:
- Strong winds impacted operations strongly at Lisbon airport;
- Aerodrome capacity issues and familiarisation with the new electronic flight strips at Amsterdam/Schiphol airport generated high delays.

The average en-route ATFM delay per flight in the NM area[i] in April was 1.07 min/flt, which is well above the corresponding monthly guideline[ii] value of 0.32 min/flt. The average YTD en-route ATFM delay per flight in 2019 in the NM area[i] is 0.71 min/flt which is three times the corresponding guideline of 0.20 min.
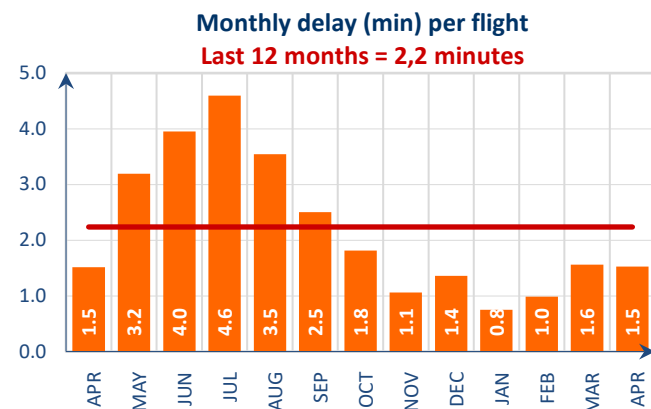
2. TOTAL TRAFFIC

Monthly traffic trend

Traffic increased by 1.4% in April 2019[iii].

Average daily traffic for last 5 Years
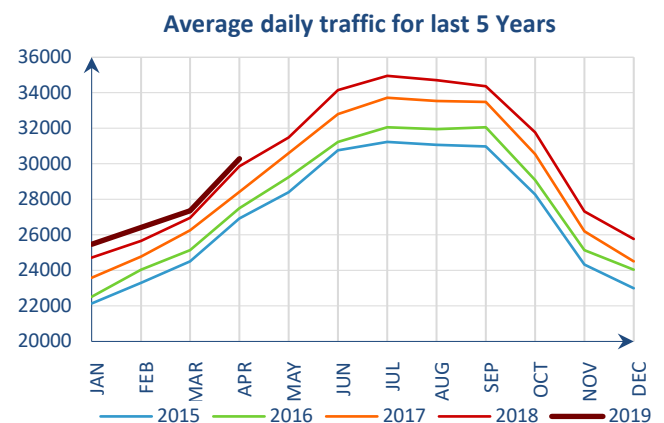
Average daily traffic in April 2019 was 30,289, the highest ever recorded for April.

3. ATFM DELAYS

Monthly delay (min) per flight
Last 12 months = 2,2 minutes

Average ATFM delay per flight decreased from 1.6 min/flt in March 2019 to 1.5 min/flt in April 2019.

Reasons for ATFM delays in April 2019

Reason	Value
AIRPORT DISRUPTIONS	44
AIRPORT STAFFING (ATC)	264
ENROUTE DISRUPTIONS	285
AIRPORT DISRUPTIONS (ATC)	367
ENROUTE CAPACITY	779
AIRPORT CAPACITY (ATC)	882
ENROUTE EVENTS	1304
ENROUTE DISRUPTIONS (ATC)	1515
ENROUTE WEATHER	1834
AIRPORT EVENTS	2156
AIRPORT CAPACITY	4643
AIRPORT WEATHER	5401
ENROUTE STAFFING (ATC)	11469
ENROUTE CAPACITY (ATC)	15261

En-route ATC capacity (33.0%), en-route ATC staffing (24.8%), airport weather (11.7%) and airport capacity (10.1%) were the main causes of ATFM delays in April 2019.
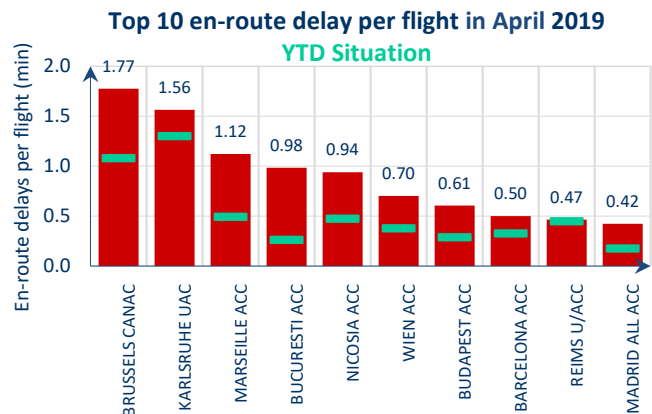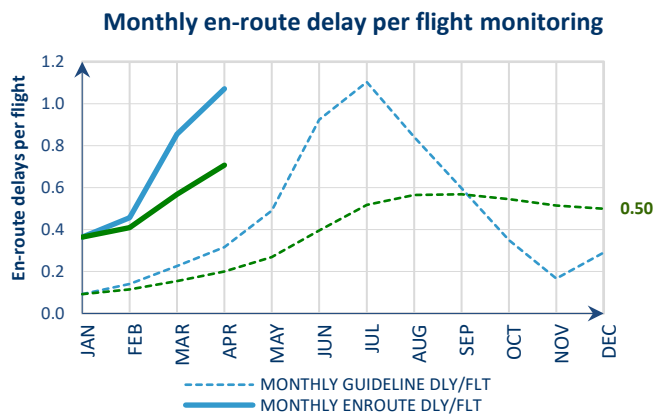
Top 20 delay locations (min) in April 2019
YTD Situation
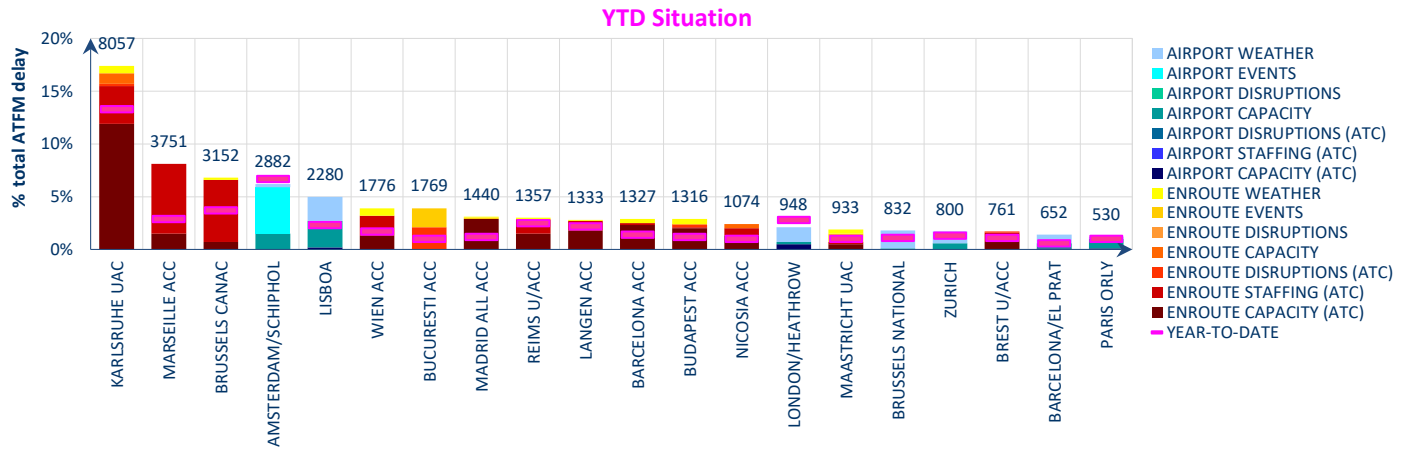
These are the top 20 delay generating locations for the reporting month with respect to total ATFM delays. Figures are the average daily delays in minutes for the individual locations.

- High en-route capacity delays in Karlsruhe UAC;
- High ATC staffing issues in Marseille and Brussels ACCs;
- Familiarisation with the new electronic flight strips at Amsterdam/Schiphol airport generated high delays;
- Implementation of new ATM system in Bucuresti ACC generated delays;
- Aerodrome capacity issues in conjunction with military exercises in the vicinity of Lisbon airport;
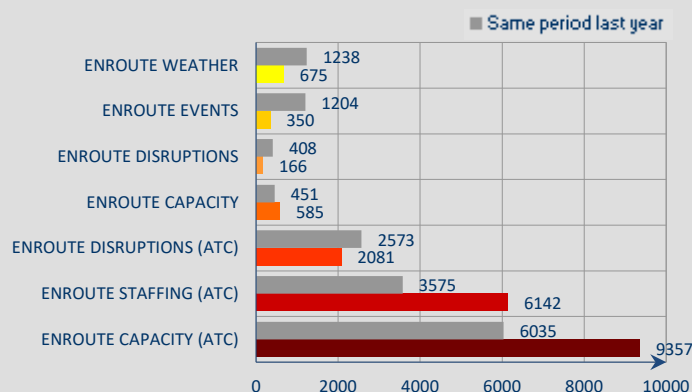
4. EN-ROUTE ATFM DELAY MONITORING

Monthly en-route delay per flight monitoring

Top 10 en-route delay per flight in April 2019
YTD Situation

Reporting month: The average en-route ATFM delay per flight in the NM area[i] in April was 1.07 min/flt, which is well above the corresponding monthly guideline[ii] value of 0.32 min/flt.
Year To Date: The average YTD en-route ATFM delay per flight in 2019 in the NM area[i] is 0.71 min/flt which is three times the corresponding guideline of 0.20 min/flt.

ATC staffing issues in Brussels, Marseille, Karlsruhe, Nicosia, Vienna and Reims; ATC capacity issues in Karlsruhe, Nicosia, Budapest, Barcelona, Reims and Madrid ACCs; Implementation of new ATM system in Bucuresti ACC.

Year-to-date average daily en-route delays

■ Same period last year

Category	Same period last year	Current
ENROUTE WEATHER	1238	675
ENROUTE EVENTS	1204	350
ENROUTE DISRUPTIONS	408	166
ENROUTE CAPACITY	451	585
ENROUTE DISRUPTIONS (ATC)	2573	2081
ENROUTE STAFFING (ATC)	3575	6142
ENROUTE CAPACITY (ATC)	6035	9357

En-route capacity, ATC staffing and ATC capacity delays are above last year's level. The main contributors are:
En-route weather (-45.5%) in Karlsruhe, Vienna, Budapest, Maastricht and Canarias ACCs;
En-route events (-70.9%) in Bucuresti, Maastricht, Madrid and Zurich ACCs;
En-route disruptions (-59.3%) in Amsterdam ACC;
En-route capacity (+29.7%) in Karlsruhe, Nicosia, Maastricht, Madrid and Bremen ACCs;
En-route ATC disruptions (-19.1%) in Brussels, Langen, Lisbon, Bucuresti and Marseille ACCs;
En-route ATC staffing (+71.8%) in Karlsruhe, Brussels, Marseille, Reims and Vienna ACCs;
En-route ATC capacity (+55.1%) in Karlsruhe, Reims, Budapest, Madrid and Barcelona 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
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ATFM Statistics dashboard
More detailed information available via the new **ATFM Statistics dashboard**

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.