ATFM delay report

February 2020

Air Traffic Flow Management (ATFM) delay

ATFM measures in Europe
(Data source: NM statistics)

<table>
<thead>
<tr>
<th></th>
<th>February 2020</th>
<th>February 2019</th>
<th>Trend 20/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total flights</td>
<td>746,104</td>
<td>739,524</td>
<td>0,9%</td>
</tr>
<tr>
<td>Regulated flights</td>
<td>92,682</td>
<td>90,763</td>
<td>2,1%</td>
</tr>
<tr>
<td>Delayed flights</td>
<td>54,931</td>
<td>44,448</td>
<td>23,6%</td>
</tr>
</tbody>
</table>

Total flights: Number of flight plans having been activated in the EUROCONTROL NM TACT system.
Regulated flights: Number of flights / percentage of flights with SLOT allocation (with & without delay).
Delayed flights: Number of flights / percentage of flights subject to delays due to ATFM measures.
The percentages show the changes compared to the corresponding period last year.

Average ATFM delay per flight in minutes attributable to national FMP’s

*caused by ATC
(Source: DFS CC/FC, based on FMP reports)
ATFM delay as a result of ATFM measures
(Data source: NM statistics)

ATFM delay in minutes as a result of ATFM measures of selected European FMPs.

**ATFM delay:**
Time difference between estimated take-off time (ETOT) and calculated take-off time (CTOT) of the NM

**Percentage of German FMPs:** 13.1% = 141.799 minutes of total delay of 1.085.075 minutes

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**Percentage of German ATFM delay attributable to different FMPs**
(Data Source: DFS CC-FC, based on FMP reports)

- FMP Karlsruhe 71.6%
- FMP Bremen 13.9%
- FMP München 4.3%
- FMP Langen 10.2%

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FMP
Langen

Other
3,5%

Weather
47,2%

ATC Capacity
14,2%

ATC Staffing
29,1%

Aerodrome Capacity
5,9%

FMP
München

Weather
69,7%

ATC Capacity
12,7%

ATC Staffing
5,0%

Aerodrome Capacity
12,5%

FMP
Bremen

Weather
6,9%

Airspace Management
17,1%

Special Event ATC
0,4%

ATC Equipment
0,5%

ATC Staffing
2,5%

ATC Capacity
72,6%
FMP Karlsruhe

- Weather: 6.5%
- Airspace Management: 2.5%
- ATC Staffing: 22.3%
- ATC Capacity: 68.6%

**Development and share of ATFM delays attributable to German FMP’s**
(Data source: NM statistics)

ATFM delays (in thousands of minutes) and percentages of ATFM delays attributable to ATFM measures.
ATFM departure delays at international German airports
(Data Source: NM statistics)

Percentage of ATFM delays for flights departing from international German airports attributable to ATFM measures in categories. The delays are distributed in 3 categories.

Average ATFM delays in minutes for departures from international German airports following ATFM measures of European FMP’s.

German airports:
10,1% = 109.886 minutes of the total delay of 1.085.075 minutes
ATFM Arrival Delay with reference to the relevant Airport, in minutes per IFR Arrival.

ATFM Arrival Delay:
sum of all arrival ATFM delay divided by the sum of all inbound flights for the particular traffic volume

Please note: The ATFM delay data are provided by NM statistics. Due to internal distribution of the ATFM delay, data are modified by CC/FC and TWR/M. The inbound flight information is based on LIZ statistics.

* All Airports means all international German Airports
  Berlin Schönefeld (EDDB), Berlin Tegel (EDDT), Bremen (EDDW), Dresden (EDDC), Düsseldorf (EDDL), Erfurt (EDDE), Frankfurt (EDDF), Hamburg (EDDH), Hannover (EDDV), Köln/Bonn (EDDK), Leipzig (EDDP), München (EDDM), Münster-Osnabrück (EDDG), Nürnberg (EDDN), Saarbrücken (EDDR), Stuttgart (EDDS)