Annual ATFM delay report 2015

Air Traffic Flow Management Delay (ATFM)
ATFM measures in Europe
(Data Source: CFMU statistics)

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2014</th>
<th>Trend 15/14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Flights</td>
<td>9,889,452</td>
<td>9,740,029</td>
<td>1,5%</td>
</tr>
<tr>
<td>Regulated Flights</td>
<td>1,083,838</td>
<td>842,080</td>
<td>28,7%</td>
</tr>
<tr>
<td>Delayed Flights</td>
<td>681,053</td>
<td>510,817</td>
<td>33,3%</td>
</tr>
</tbody>
</table>

Total Flights: Number of flight plans having been activated in the EUROCONTROL CFMU 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.
Trend Column: The percentages show the changes compared to the corresponding period last year.

ATFM-Delay per flight
(Data Source: CFMU statistics)

Average ATFM delay per flight in minutes attributable to national FMPs.

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

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

ATFM Delay:
difference in time between estimated take-off time (ETOT) and calculated take-off time (CTOT) of the CFMU.

**Percentage of German FMPs: 905.337 = 6.4% minutes of total delay of 14.068.057 minutes**

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

- FMP München: 12.2%
- FMP Bremen: 12.0%
- FMP Langen: 41.5%
- FMP Karlsruhe: 34.2%
FMP
Langen

Environmental Issues: 5.1%
Other: 1.2%
Weather: 51.2%

FMP
München

Weather: 75.5%

FMP
Bremen

Other: 0.6%
Weather: 38.7%
Special Event: 12.5%
FMP Karlsruhe

Development and share of "ATFM delays" attributable to German FMPs
(Data Source: CFMU statistics)

ATFM delays (in thousands of minutes) and percentages of ATFM delays attributable to ATFM measures.

<table>
<thead>
<tr>
<th>Year</th>
<th>ATFM Delays (in thousands of minutes)</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>18.352</td>
<td>9.5%</td>
</tr>
<tr>
<td>2007</td>
<td>21.544</td>
<td>10.2%</td>
</tr>
<tr>
<td>2008</td>
<td>23.840</td>
<td>15.7%</td>
</tr>
<tr>
<td>2009</td>
<td>15.218</td>
<td>21.2%</td>
</tr>
<tr>
<td>2010</td>
<td>27.673</td>
<td>20.6%</td>
</tr>
<tr>
<td>2011</td>
<td>17.835</td>
<td>23.4%</td>
</tr>
<tr>
<td>2012</td>
<td>10.772</td>
<td>20.5%</td>
</tr>
<tr>
<td>2013</td>
<td>8.773</td>
<td>12.3%</td>
</tr>
<tr>
<td>2014</td>
<td>10.059</td>
<td>12.2%</td>
</tr>
<tr>
<td>2015</td>
<td>14.068</td>
<td>6.4%</td>
</tr>
</tbody>
</table>
ATFM departure delay at international German airports
(Data Source: CFMU statistics)

ATFM departure delays at international German airports
(Data Source: CFMU statistics)

Percentage of ATFM delays for flights departing from international German airports attributable to ATFM measures of German FMPs 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 FMPs.

German airports:
9.8% = 1,378,647 minutes of total delay of 14,068,057 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 CFMU 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 (EDDB), Dresden (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)