



All-Causes Delay to Air Transport in Europe

December 2017 – based on preliminary airline data*

Summary & Significant Events

Preliminary data from airlines describing all-causes delay illustrated a deterioration in the delay situation with December 2017 recording the highest delays for the year, alongside an increase in the number of flights per day in ECAC of 1.7% when compared to December 2016.

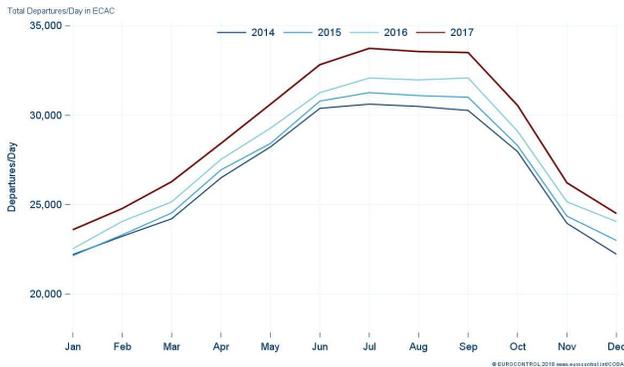
The average delay per delayed flight on departure (ADD) was 33 minutes, an increase of 3% in comparison to December 2016 where the ADD was 32 minutes per flight. The percentage of delayed flights (PDF) (>=5 minutes) on departure was 51%, an increase of 5 percentage points when compared to the same month in 2016. The percentage of delayed flights on arrival, increased by 5 points to 47% when compared to December 2016.

Winter conditions on 10-11 December affected the majority of north-west Europe with significant delays at London Heathrow, Stansted and Luton, Amsterdam Schiphol, Frankfurt, Brussels and Geneva airports.

On 20-21 December, visibility issues impacted airport operations with significant delays at London Heathrow, Gatwick, Stansted and City, Amsterdam Schiphol, Manchester and Oslo Gardermoen airports.

The Italian ATC industrial action on Friday 15 December generated airport ATFM delay in Italy with Bergamo being the most affected airport. NM estimates there were 285 fewer flights during the action.

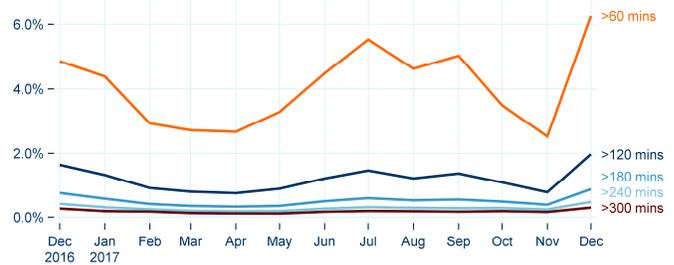
Traffic



In December 2017, ECAC saw an increase of 1.7% in the number of flights per day compared to December 2016.

Long Departure Delays All-Causes

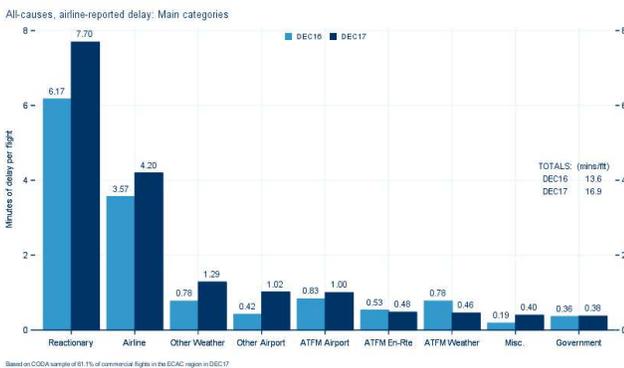
Percentage of Flights Delayed on Departure



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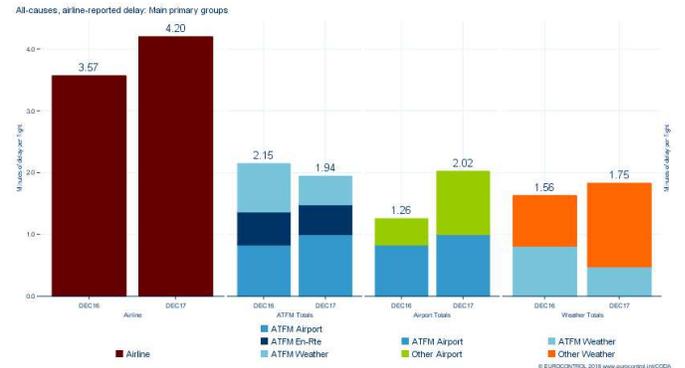
The PDF delayed greater than 60 minutes from all-causes increased from 4.9% to 6.3% when compared to December 2016.

Average Delay per Flight by Delay Cause



The average delay per flight in December 2017 increased by 3.3 minutes to 16.9 minutes per flight, due to the combined increase of Reactionary, Airline, Weather and Airport Delays.

Primary Delay Groupings



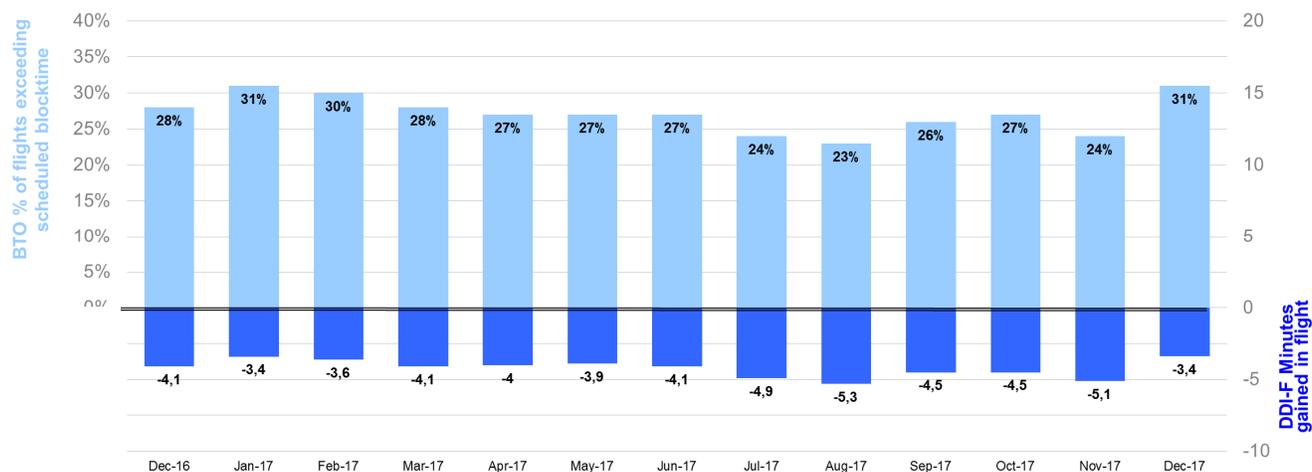
Airline delays increased by 0.6 minutes, with Weather and Airport delays driving this increase, these by 0.5 and 0.6 minutes respectively.

* This CODA report is based on airline data as currently available. Airline data coverage for December 2017 so far is: 61%
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CODA Scheduling Indicators

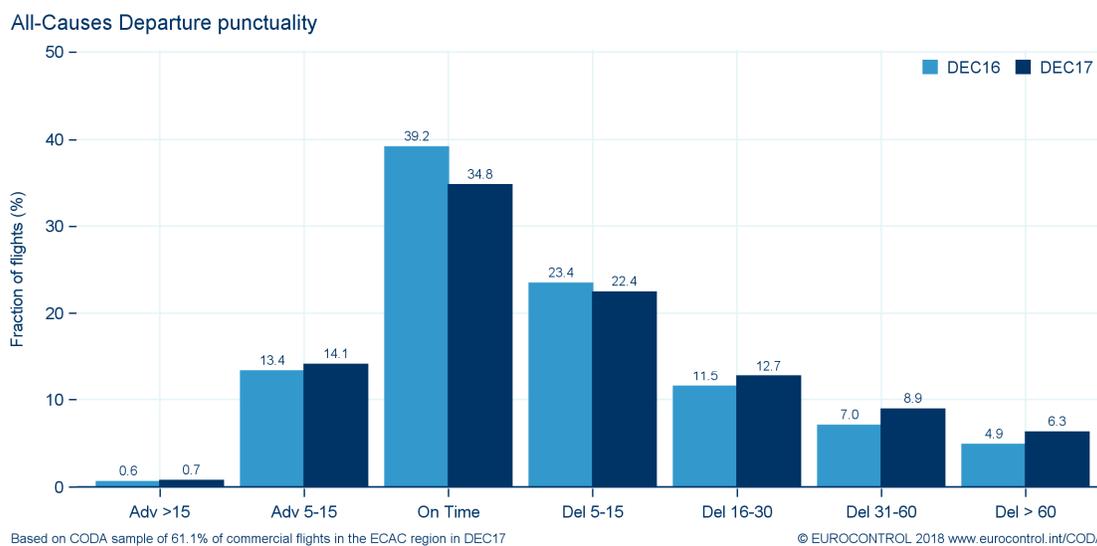
The **Block Time Overshoot (BTO)** or the percentage of flights with an actual block time which exceeds the scheduled block time decreased in December 2017 with 31% of flights exceeding their block times compared to a year ago.

The **Delay Difference Indicator - Flight (DDI-F)** or the difference between departure and arrival punctuality expressed in minutes. This can be indicated as a positive or negative figure, for example a flight departing with 20 minutes delay and arriving with 30 minutes arrival delay will have a DDI-F of +10 minutes. The European DDI-F in December 2017 was -3.4 minutes, a decrease when compared to December 2016 where the DDI-F was -4.1 minutes.



Distribution of All Flights by Length of Delay (Departure Punctuality)

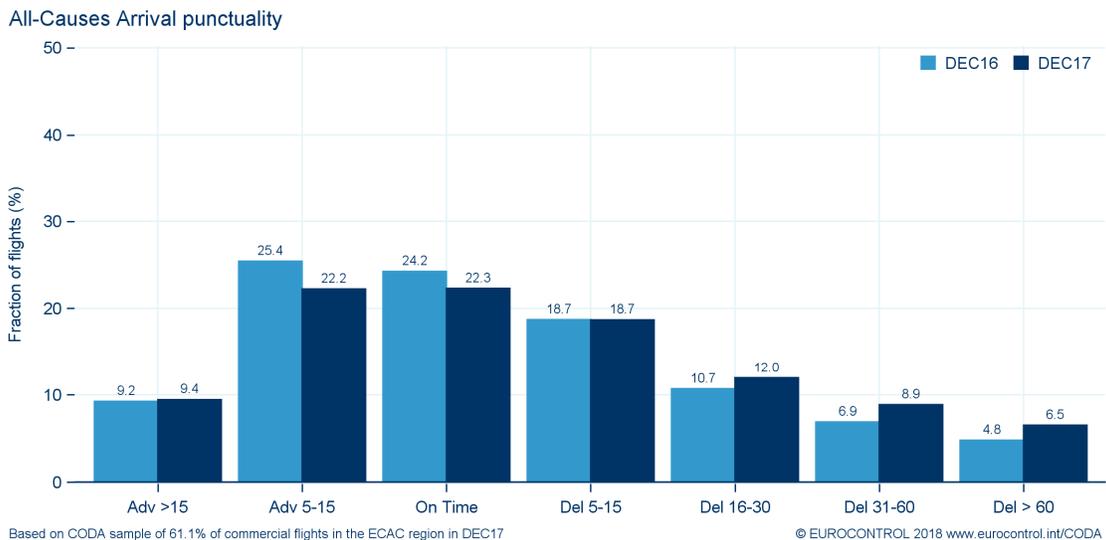
In December 2017, 34.8% of flights departed within the 5 minute threshold before or after the scheduled departure time (STD), a decrease of 4.4 points in comparison to the equivalent month in 2016. Flights delayed >30 minutes from all-causes increased from 11.9% to 15.2% when compared to December 2016.



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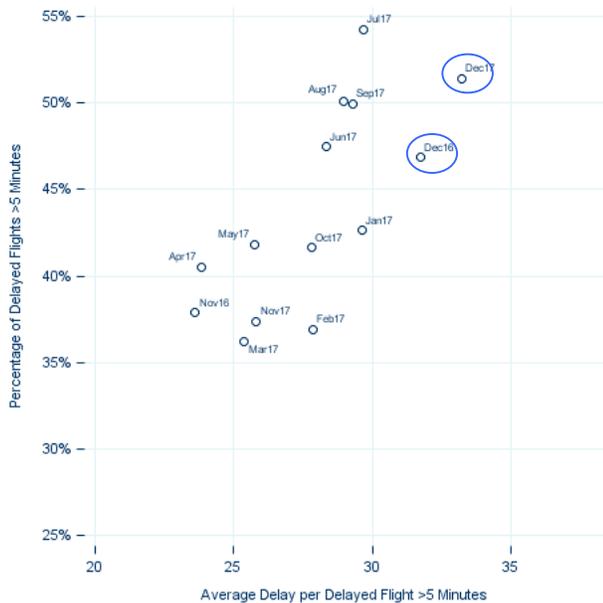
Distribution of All Flights by Length of Delay (Arrival Punctuality)

Arrival punctuality remained generally stable with 72.6% of flights arriving within 15 minutes or earlier of their scheduled time of arrival compared to 77.5% in December 2016.



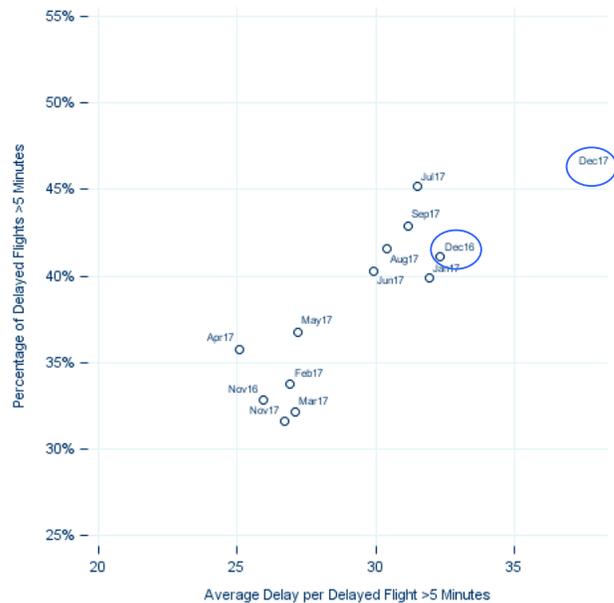
Average Delay per Delayed Flight and Percentage of Delayed Flights Comparison

Departure



In December 2017 the average delay per delayed flight (≥ 5 minutes) on departure was 33.2 minutes, an increase of 1.5 minute. 51.4% of flights were delayed on departure, an increase of 4.6 percentage points when compared to December 2016.

Arrival



The average delay per delayed flight (≥ 5 minutes) on arrival was 38.8 minutes, an increase of 6.4 minutes. 46.6% of flights were delayed, an increase of 5.5 percentage points.

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