All-Causes Delay to Air Transport in Europe

September 2018 – based on preliminary airline data*

Summary & Significant Events
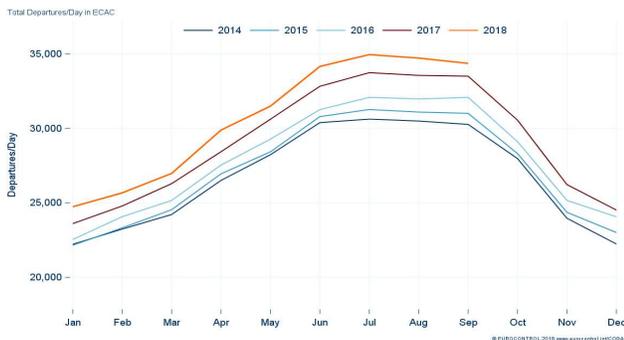
Airline–reported ATFM delays remained stable at 2.8 minutes per flight when compared to September 2017. All other main delay groupings did not see significant changes compared to same period last year.

Throughout the month of September, weather impacted operations in central Europe, the Balkan peninsula and in the northern part of Germany.

There were ATC staffing issues in Marseille, Karlsruhe, Brest, Nicosia, Langen, Vienna, Maastricht, Warsaw and Reims ACCs, as well as ATC equipment issues in Ankara ACC and Maastricht UAC.

Aerodrome capacity issues at Lisbon, Tel Aviv, Istanbul Ataturk, Istanbul Sabiha Gökcen, Amsterdam Schiphol, London Gatwick airports impacted operations as well.
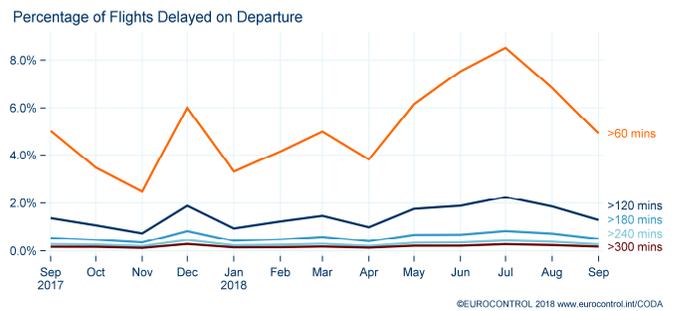
The average delay per delayed flight on departure (ADD) and the percentage of delayed flights (PDF) (>=5 minutes) on departure remained stable respectively at 29 minutes per flight and 50% when compared to September 2017. The percentage of delayed flights on arrival also remained stable at 43%.
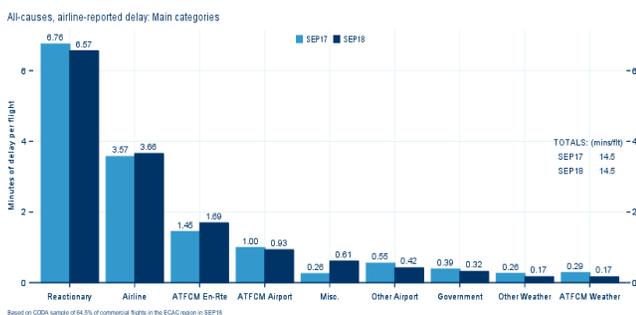
Traffic

In September 2018, ECAC saw an increase of 2.6% in the number of flights per day compared to September 2017.
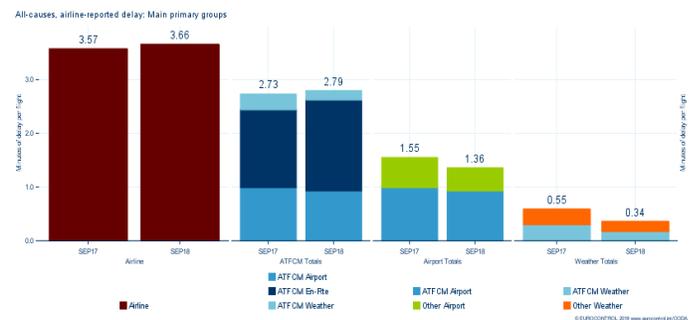
Long Departure Delays All-Causes

The percentage of delayed flights greater than 60 minutes from all-causes remained stable at 5% when compared to September 2017.

Average Delay per Flight by Delay Cause

The average delay per flight in September 2018 remained at 14.5 minutes per flight. Reactionary delays for airlines slightly decreased to 6.6 minutes per flight in comparison to 6.8 minutes in September 2017.
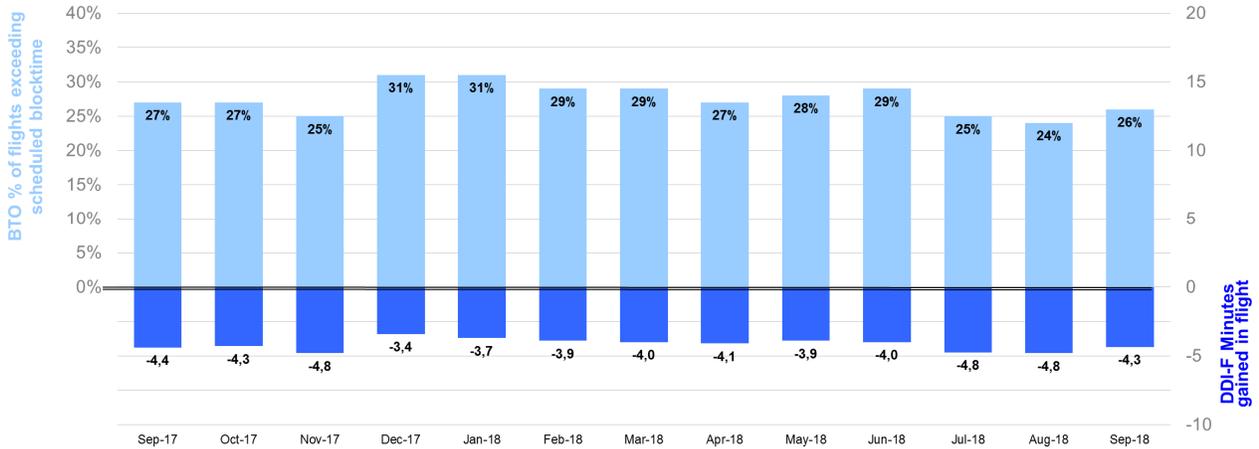
Primary Delay Groupings

Airline delays increased slightly to 3.7 minutes per flight in September 2018. Total ATFM delay saw a small increase driven by ATFM en-route delay (from 1.4 to 1.7 minutes per flight).

The **Block Time Overshoot (BTO)** or the percentage of flights with an actual block time which exceeds the scheduled block time decreased in September 2018 to 26% of flights when compared to a year ago.
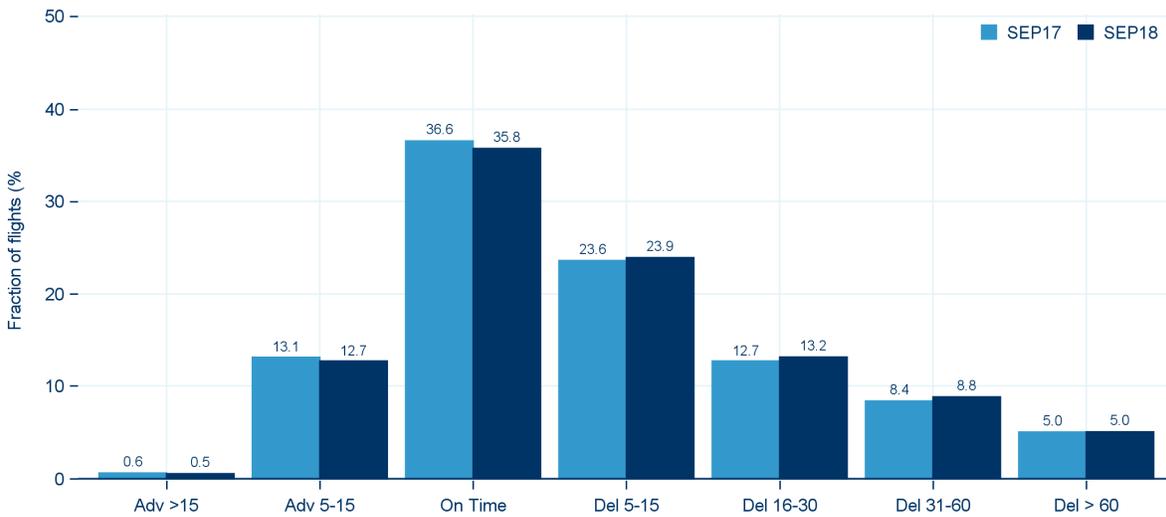
The **Delay Difference Indicator - Flight (DDI-F)** or the difference between departure and arrival punctuality expressed in minutes. This can be indicated as a positive or negative figure, for example a flight departing with 20 minutes delay and arriving with 30 minutes arrival delay will have a DDI-F of +10 minutes. The European DDI-F in September 2018 was -4.3 minutes.

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

In September 2018, 36% of flights departed within the 5 minute threshold before or after the scheduled departure time (STD), a slight decrease of 1 percentage point in comparison to September 2017. Flights delayed >30 minutes from all-causes remained stable when compared to September 2017.

All-Causes Departure punctuality

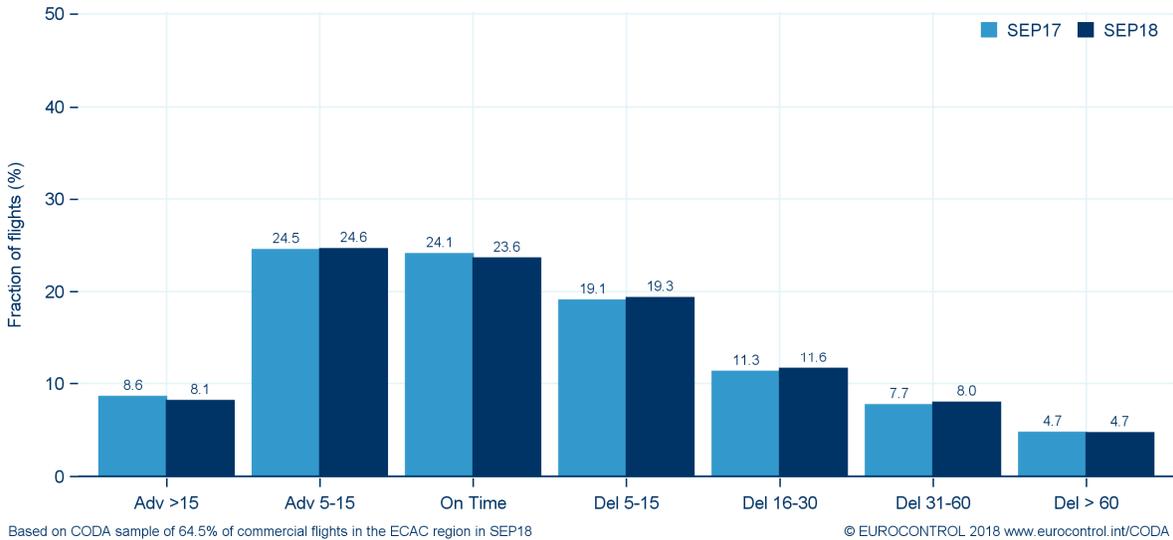Based on CODA sample of 64.5% of commercial flights in the ECAC region in SEP18

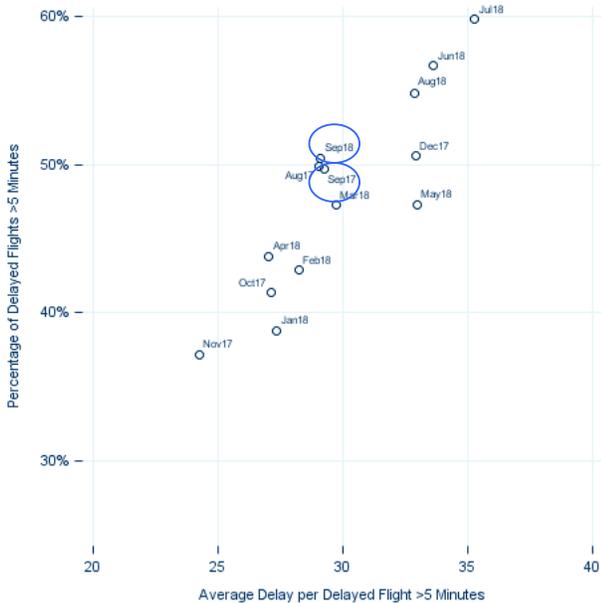© EUROCONTROL 2018 www.eurocontrol.int/CODA

Arrival punctuality remained stable at 76% of flights arriving within 15 minutes or earlier of their scheduled time of arrival time compared to September 2017. Flights delayed >30 minutes from all-causes also remained stable at 13%.
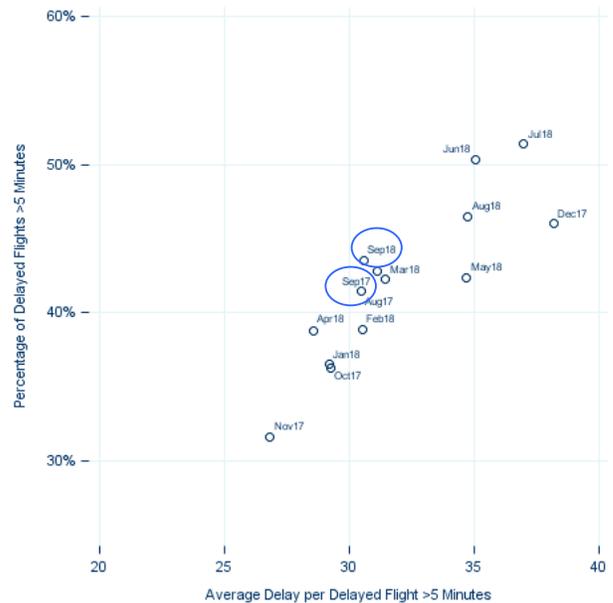
All-Causes Arrival punctuality

Based on CODA sample of 64.5% of commercial flights in the ECAC region in SEP18

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Average Delay per Delayed Flight and Percentage of Delayed Flights Comparison

Departure	**Arrival**

In September 2018 the average delay per delayed flight (>= 5 minutes) on departure remained stable at 29 minutes. 50% of flights were delayed on departure, also a stable figure when compared to September 2017.

The average delay per delayed flight (>= 5 minutes) on arrival was 31 minutes and 43% of flights were delayed on arrival, both remaining stable.