All-Causes Delay to Air Transport in Europe

July 2017 – based on preliminary airline data*

Summary & Significant Events

In July 2017 preliminary data from airlines describing all-causes delay illustrated a deterioration in the delay situation, alongside an increase in the number of flights per day in ECAC of 5% compared to July 2016.

The average delay per delayed flight on departure (ADD) was 30.4 minutes, an increase of 0.8 minutes in comparison to July 2016 where the ADD was 29.6 minutes per flight. The percentage of delayed flights (>=5 minutes) on departure was 54.2%, an increase of 3.5 percentage points when compared to the same month in 2016.

The evacuation of terminal 3 at Manchester airport due suspicious bag on 5 July and an incident with a disabled aircraft on the runway at Düsseldorf airport on 6 July caused ATFM delay.
Seasonal weather impacted Istanbul and Madrid/Barajas airports during the month.
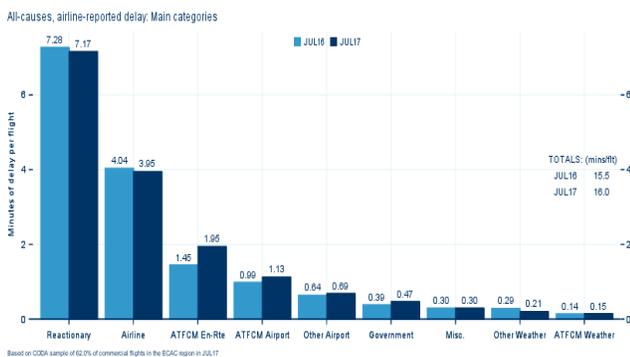
Traffic

In July 2017, ECAC saw an increase of 5% in the number of flights per day compared to July 2016.
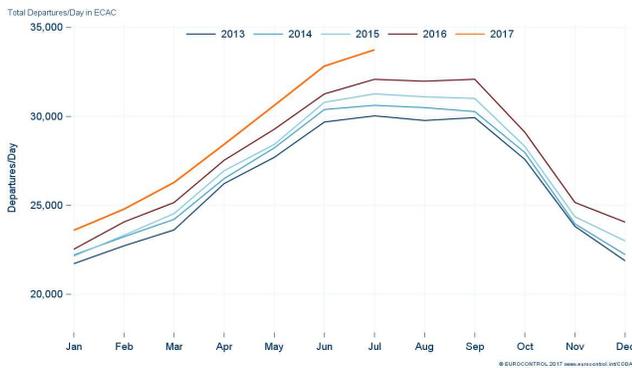
### Long Departure Delays All-Causes

The percentage of flights delayed greater than 60 minutes from all-causes remained stable at 5.5 percentage points when compared to July 2016.

Average Delay Per Flight by Delay Cause

The average delay per flight in July 2017 increased by 0.5 minutes to 16 minutes per flight, mainly due to an increase of ATFM delays . Further analysis of the delay reasons shows that airline and reactionary delay remained stable.

Primary Delay Groupings
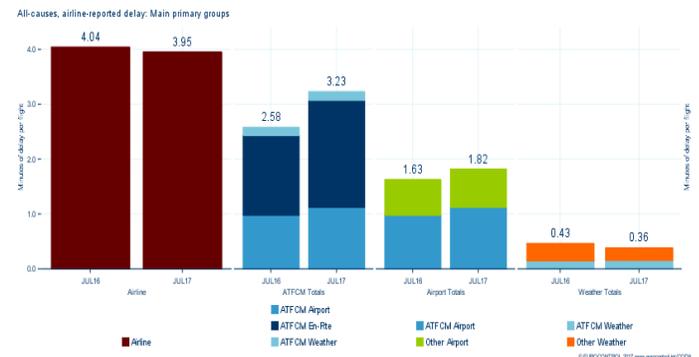
ATFCM delays reported by airlines remained stable, with ATFM En-route and Airport delays increasing respectively with 0.5 and 0.2 minutes per flight.
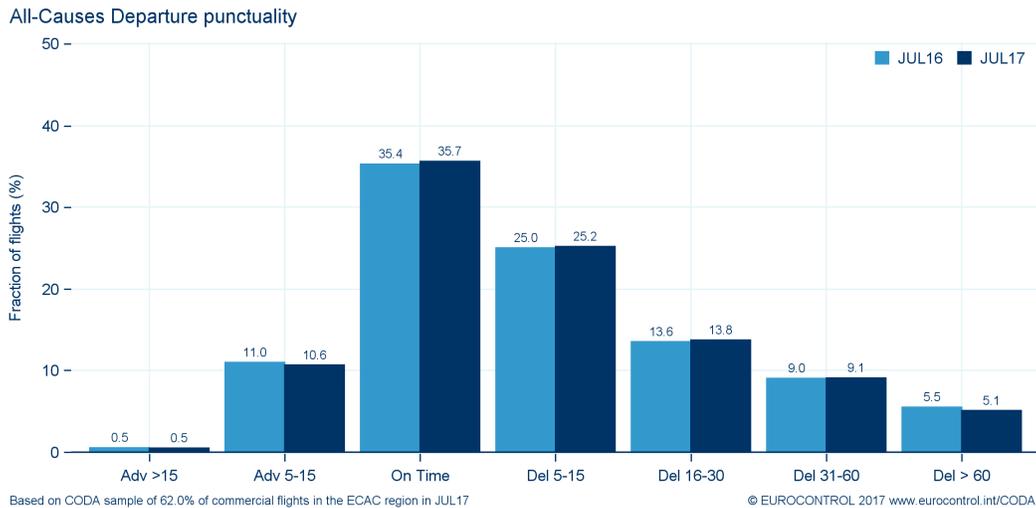
The **Block Time Overshoot (BTO)** or the percentage of flights with an actual block time which exceeds the scheduled block time remained stable in July 2017 with 24% of flights exceeding their block times compared to a year ago.

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 July 2017 was -4.9 minutes, an increase when compared to July 2016 where the DDI-F was -4.4 minutes.
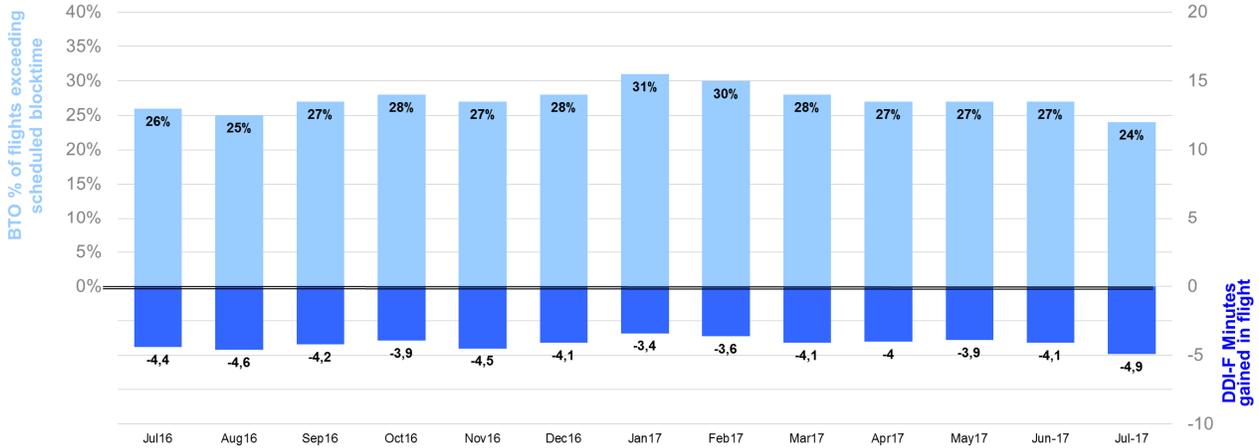
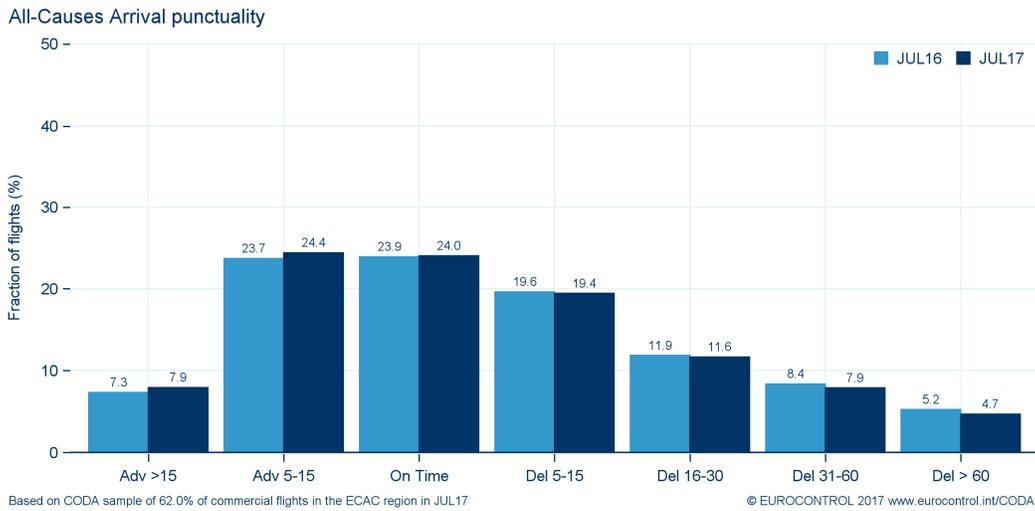**Distribution of All Flights by Length of Delay (Departure Punctuality)**

In July 2017, 36% of flights departed within the 5 minute threshold before or after the scheduled departure time (STD), a slight increase of 0.3 points in comparison to the equivalent month in 2016. Flights delayed >30 minutes from all-causes decreased from 14.5 to 14.2 percent when compared to July 2016.

All-Causes Departure punctuality

Based on CODA sample of 62.0% of commercial flights in the ECAC region in JUL17   © EUROCONTROL 2017 www.eurocontrol.int/CODA

Arrival punctuality improved with 67.8% of flights arriving within 15 minutes of the scheduled time of arrival time compared to 67.2% in July 2016. Flights arriving >15 minutes ahead of schedule increased slightly to 7.9% when compared to July 2016.

All-Causes Arrival punctuality

Based on CODA sample of 62.0% of commercial flights in the ECAC region in JUL17

© EUROCONTROL 2017 www.eurocontrol.int/CODA

Average Delay per Delayed Flight and Percentage of Delayed Flights Comparison

Departure
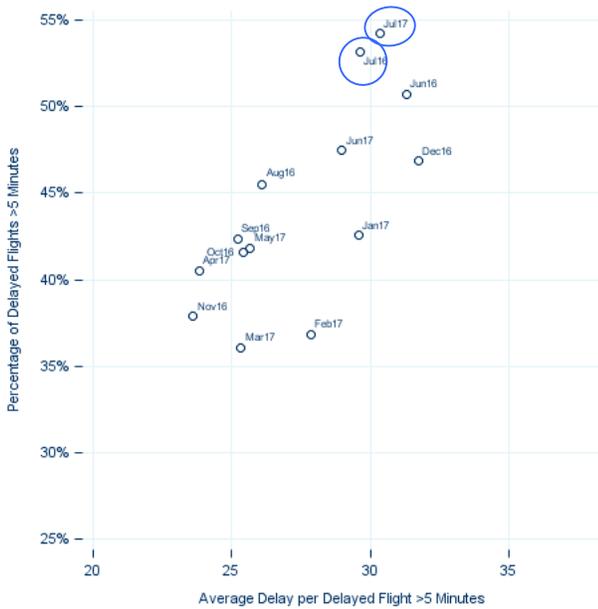
Arrival

In July 2017 the average delay per delayed flight (>= 5 minutes) on departure was 30.3 minutes, an increase of 0.8 minutes. 54.2% of flights were delayed on departure, an increase of 3.5 percentage points when compared to July 2016.
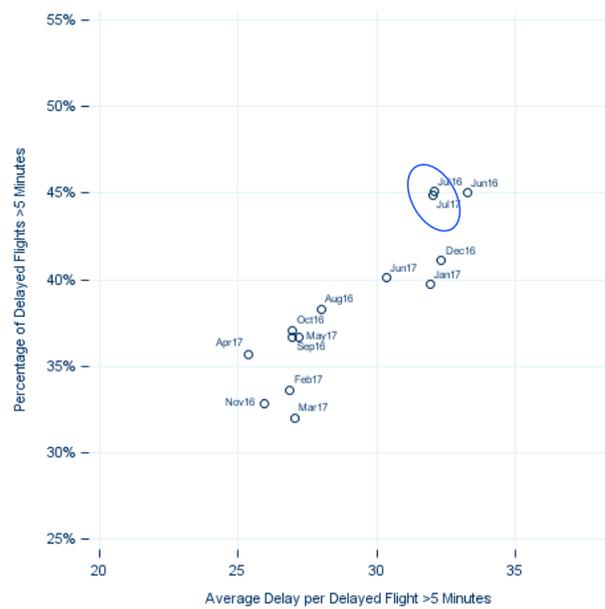
The average delay per delayed flight (>= 5 minutes) on arrival was 32 minutes, and 45% of flights were delayed, both remaining stable when compared to July 2016.