ANS performance briefing - Germany

EUROCONTROL Performance Review Unit

16/Oct/2019

EUROCONTROL

Preface

This performance briefing has been prepared by the EUROCONTROL Performance Review Unit (PRU) in the interest of the exchange of information.

If you have any questions related to this document or if we can help with any ANS performance related matter, then please do not hesitate to contact us: pru-support@eurocontrol.int

Key observations

TRAFFIC

- Following the high traffic increase already in 2017 ..
- The strong growth ..
- As a result ..

SAFETY

- No data available

CAPACITY

En-route ATFM delays

- No en-route ATFM delay..

Airport arrival ATFM delays

- No airport arrival ATFM delay..

ENVIRONMENT

Horizontal en-route flight efficiency

- In 2008, Finland..

Vertical en-route flight efficiency

Vertical flight efficiency during climb and descent

COST-EFFECTIVENESS

- ARMATS represents.. see [1]
- Since ARMATS did not..
- Compared to the..

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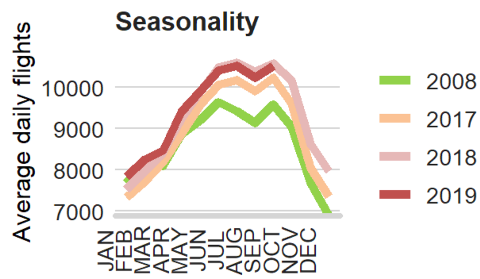
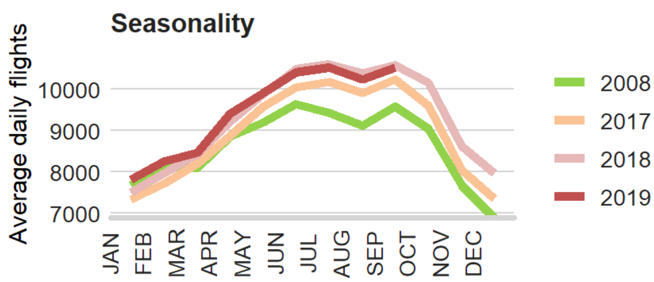
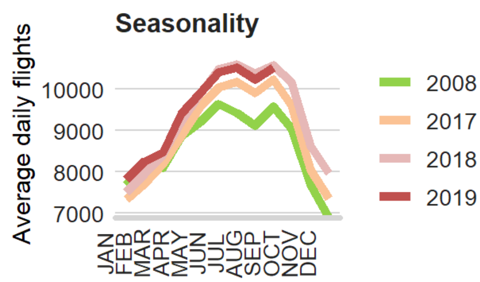
2 Traffic characteristics

Sources: NM; STATFOR[2]; PRU ANS Performance Data Portal [3]; CRCO Service Unit Dashboard [4]

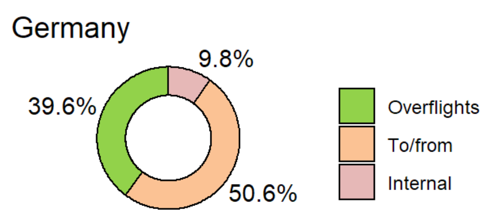
Traffic evolution (Germany)		
Traffic growth 2018 (full year)		+4.4%
Forecast growth 2019 (STATFOR Feb. 2019)	Baseline	0.0%
	High	0.0%
	Low	0.0%
Average annual growth rate (2008-2019)		0.0%
Average annual growth rate (2014-2019)		0.0%
Forecast annual average growth rate (2019-2025)		0.0%







Germany (Jan-Sep)	2019	vs 2018
Total flights	2596930	+ 0.5%
Overflights	1028208	-0.1%
To/from	1313110	+ 1.0%
Internal	255612	+ 0.8%



Germany (Jan-Sep)	2019	vs 2018
Scheduled	1357471	+ 1.9%
Lowcost	840839	+ 0.4%
Business	148830	-5.7%
Cargo	112319	-0.6%
Non-Scheduled	70641	-3.2%
Military	14659	-2.8%
Other	52171	-4.6%

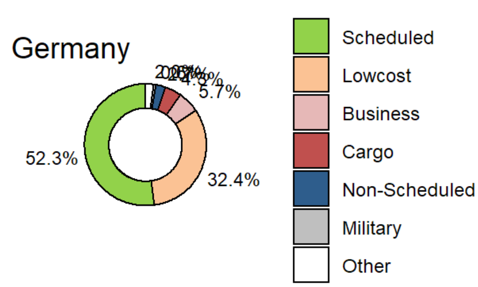


Figure 1: Traffic characteristics (IFR flights)

- Traffic in the UK has been growing steadily since 2013. In 2018, traffic increased by +0.9% which was in line with the low traffic scenario in the Feb. 2018 STATFOR forecast. Between 2013 and 2018, traffic increased by 15.0% to reach a level comparable to the pre-crisis level of 2008
- In the first 9 months of 2019, traffic in the UK increased by +1.7% compared to the same period in 2018

- The largest traffic segment is traffic from and to Germany (50.6%), followed by overflights (39.6%) and domestic flights (9.8%).
- According to the latest available forecast, (STATFOR Feb. 2019), traffic in the UK is expected to grow at an annual average rate of 1.4% between 2019 and 2025 (baseline scenario) [High:+2.2; Low:+0.2%]. A controlled Brexit is considered in the baseline scenario, while a hard Brexit is considered in the low scenario.

3 Safety

4 Capacity

4.1 Air traffic flow management (ATFM) delays

Source: NM, PRU ANS Performance Data Portal [3] The data in this section is from the PRU ANS performance data portal (data section).
It is available at: http://ansperformance.eu/data/performancearea/

4.1.1 En-route ATFM delays

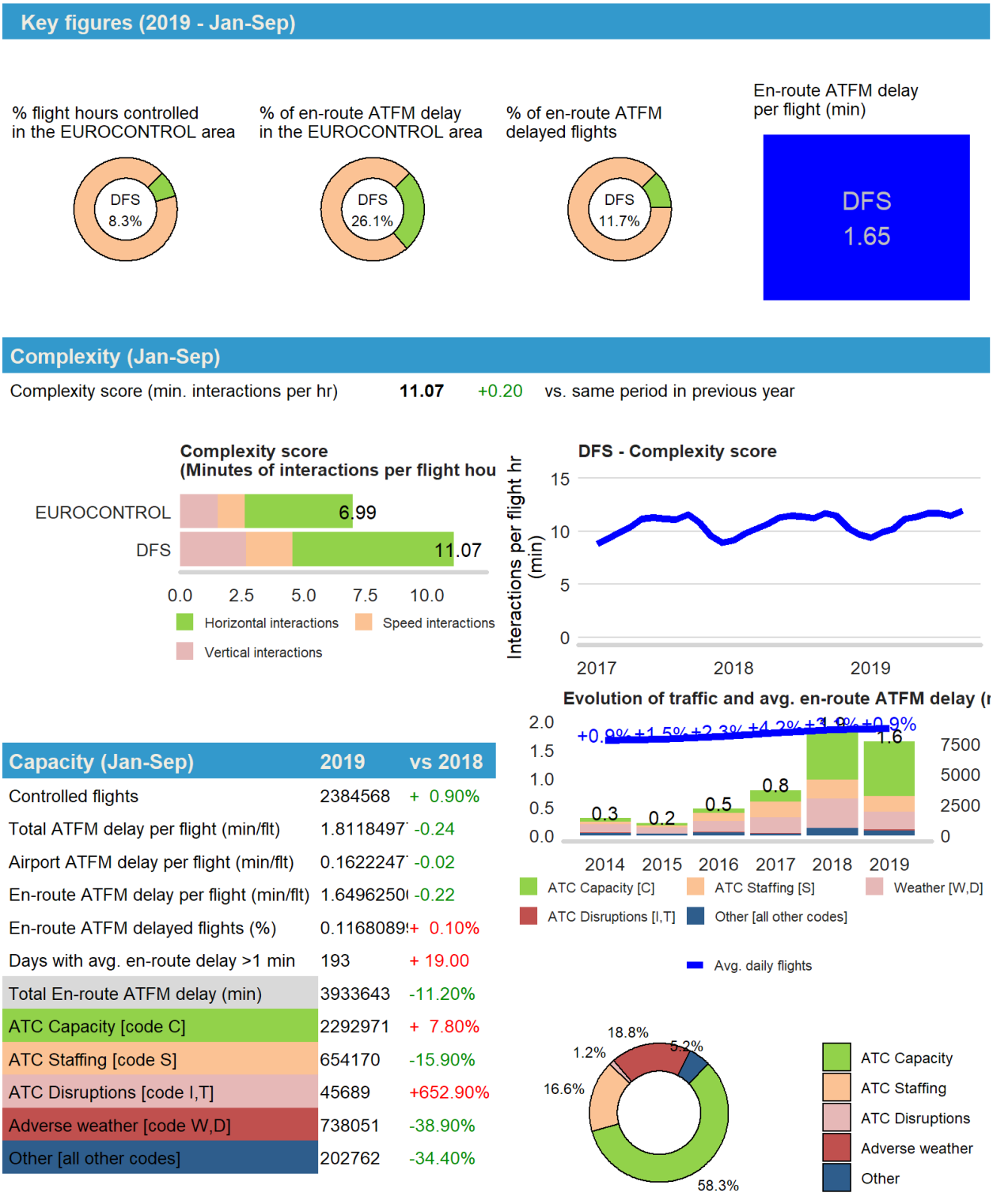


Figure 2: Traffic evolution and en-route ATFM delay

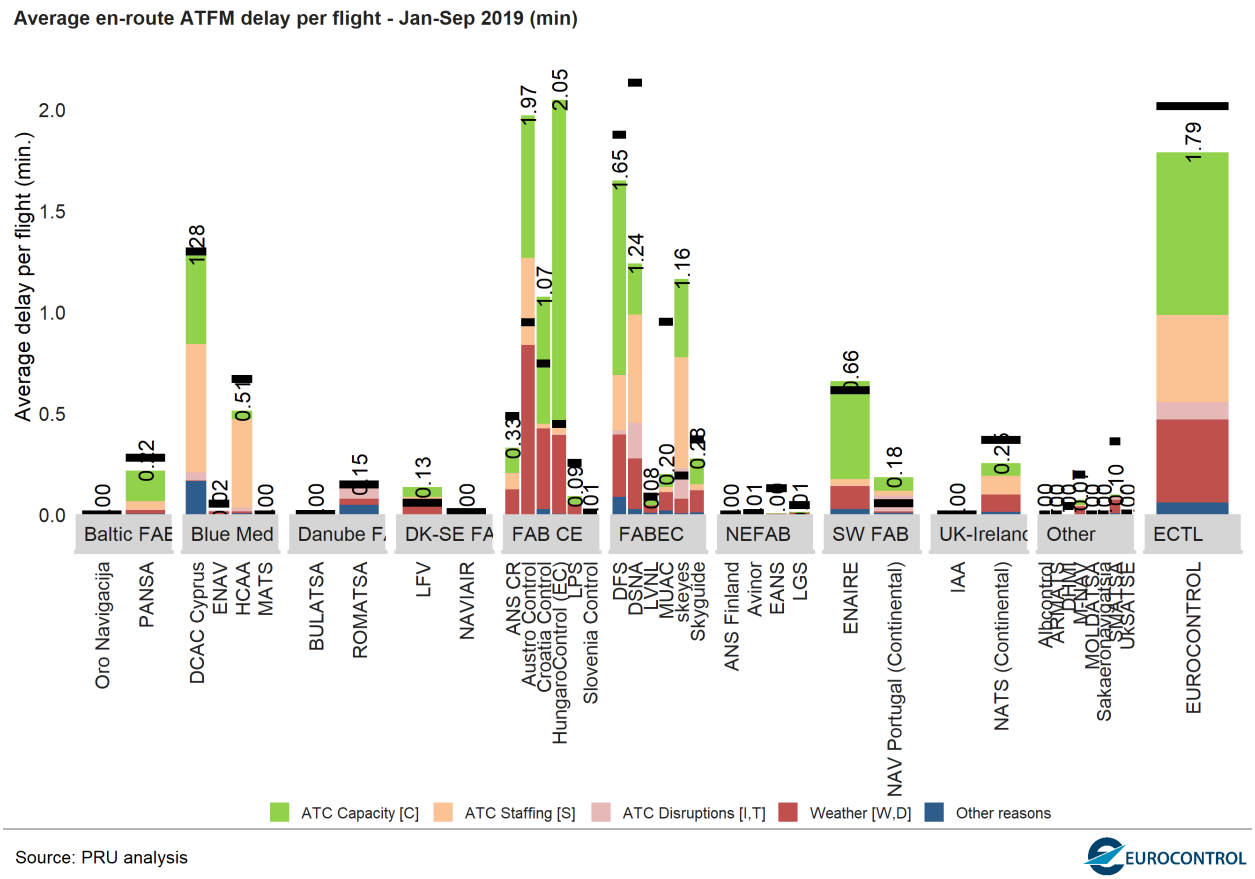


Figure 3: Average en-route ATFM delay per flight

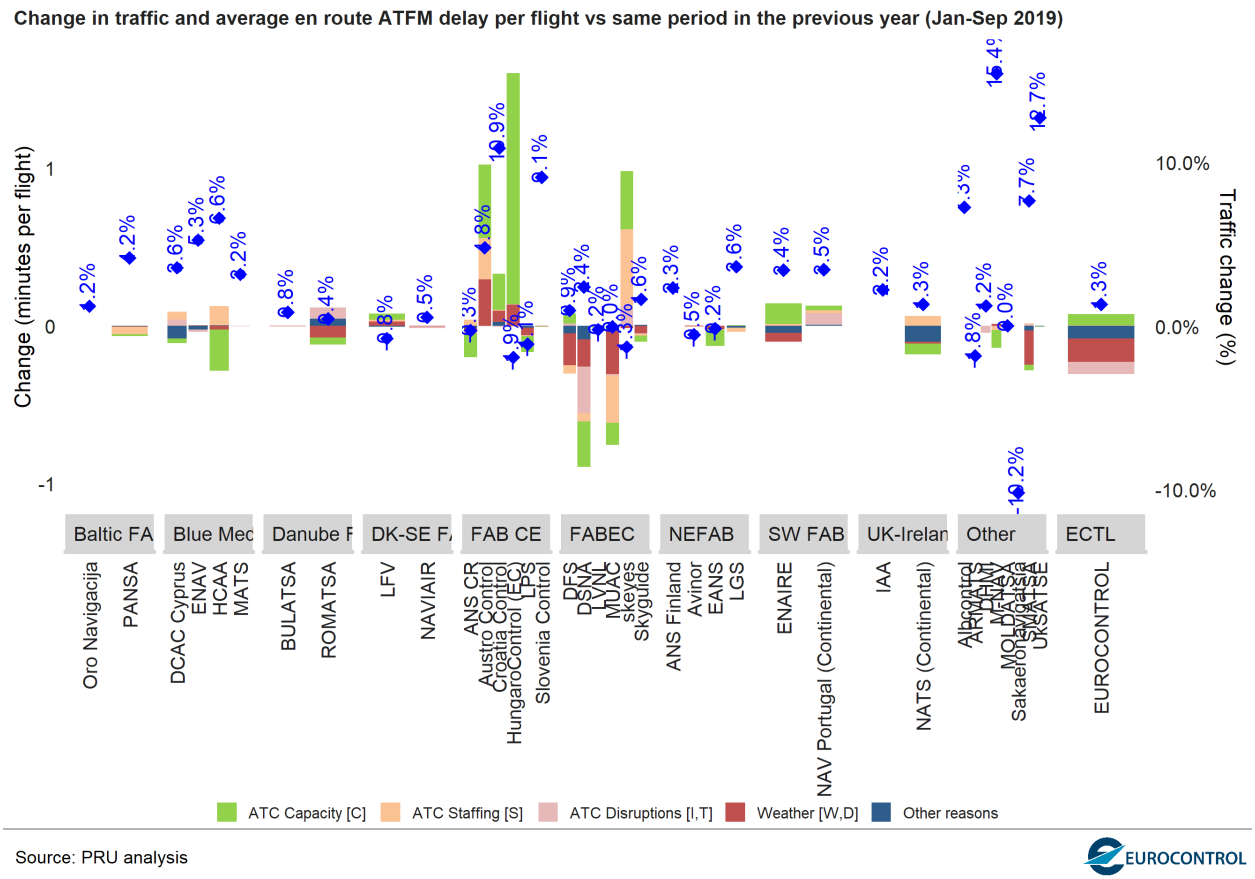


Figure 4: Change in traffic and average en route ATFM delay per flight

4.1.2 Airport arrival ATFM delays

5 Environment

Source : PRU ANS Performance Data Portal The data in this section is from the PRU ANS performance data portal (data section).
It is available at: http://ansperformance.eu/data/performancearea/

5.1 Horizontal en-route flight efficiency

- Horizontal en-route flight efficiency (actual trajectory) was 91.9% in the EUROCONTROL area in 2018.

5.2 Vertical en-route flight efficiency

5.3 Vertical flight efficiency during climb & descent

6 Cost-effectiveness

7 Annex 1: Evolution of cost-effectiveness performance (2012-2017)

8 Annex 2: Network Operations Plan (2018-2019/22)

8.1 YEREVAN ACC

References

[1] Performance Review Unit, "ATM cost-effectiveness (ace) 2015 benchmarking report with 2016-2020 outlook," EUROCONTROL/PRU, Report, May 2017.

[2] STATFOR, "EUROCONTROL seven-year forecast february 2019," EUROCONTROL/STATFOR, Report, 2017.

[3] Performance Review Unit, "ANS performance data portal," 2019. [Online]. Available: http://ansperformance.eu/.

[4] CRCO, "Service unit dashboard," 2019. [Online]. Available: http://www.eurocontrol.int/ServiceUnits/Dashboard/LongTermEvolution.html.