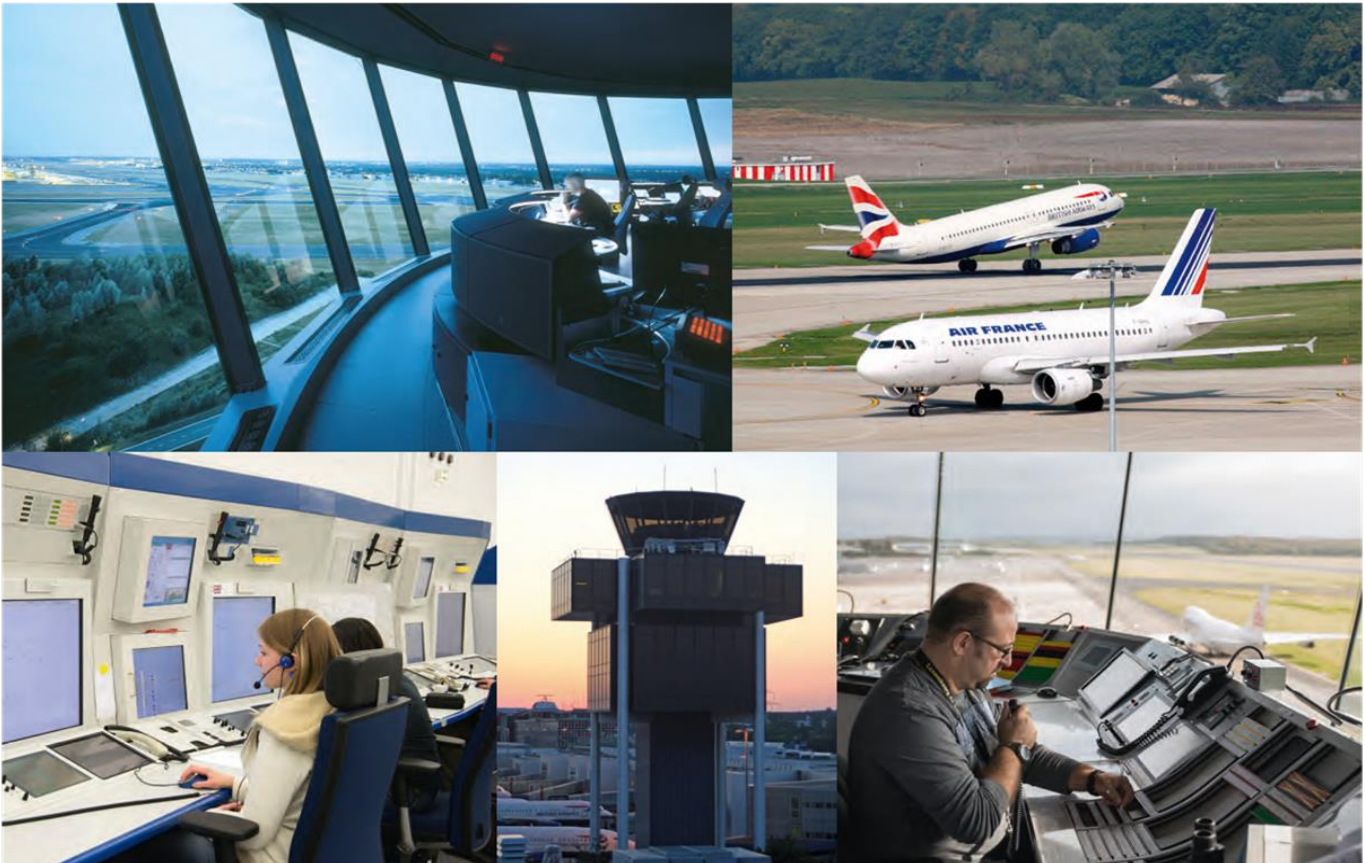




PERFORMANCE REPORT 2020 - 2024

# CAPACITY

April 2023



making the difference

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## Description & Analysis

### Europe

Traffic in April was 9.7% higher than April 2022. Network traffic was in line with the latest EUROCONTROL baseline scenario.

The war in Ukraine continues to affect overflights in several countries. Lithuania, Poland, Estonia and Latvia have lost traffic, whereas Armenia, Albania and Bosnia-Herzegovina have gained.

'On average' the network saw 27 226 flights/day in April, the peak day was Friday 28 April (30 503 flights). Compared to April 2022, Mainline (+21.6%), Regional (+11.5%) and Low-Cost (+7.4%) were the only segments recording growth in April 2023 owing to the continuing recovery and to the relatively low levels of traffic in 2022. At the other end of the scale, Business Aviation (-6.2%) is levelling off and accounted for 6.8% of the total flights in April 2023 as commercial airlines operations (Mainline, Regional, Low-Cost) have almost closed the gap between 2023 and 2019. All-Cargo (-5.6%) stabilized and no longer benefited from a rebound effect on 2022 events (Omicron wave, start of Ukraine invasion). With a decrease of -1.4% in April 2023 (vs. April 2022), the Charter segment recorded 9 fewer daily flights.

Ryanair was the busiest operator with, on average, 3 018 movements per day, followed by Lufthansa (2 586), IAG Airlines (2 126), Air France/KLM (1 757) and easyJet group (1 541). The busiest airport was Istanbul/IGA (1 349 flights/day), followed by Amsterdam/Schiphol (1 258 flights/day), London/Heathrow (1 248 flights/day), Paris/Charles de Gaulle (1 246 flights/day) and Frankfurt/Main (1 184 flights/day). Network departure punctuality (67.4%) was marginally better than March, mainly affected by continued ATC industrial in France throughout the month. Arrival punctuality remained stable (71.5%). Punctuality on the SW and SE axes was consistent with the network level. The network (average) available turnaround time remained slightly higher than scheduled, notably on the French strike days where ATFM delays extended the turnaround time. There were 2,116,708 minutes of ATFM delay in April. En-route delays accounted for 72.4% of these ATFM delays, and airports for 27.6%. The average en-route ATFM delay per flight for the network was 1.9 minutes in April and the YTD enroute ATFM delay was 1.8 minutes at the end of April (Source: NM).

### Delays from the passengers' point of view

For April 2023, the Central Office for Delay Analysis (CODA) reported that the average delay per flight on departure was 15.4 minutes per flight - an increase of 0.8 minutes per flight compared to April 2022. 38% of the total delay can be attributable to air traffic control. Airlines caused 47% of the total delay, resulting from such issues as technical problems, staff shortages or turnaround times that are too tightly scheduled. Airports caused 5% of the delays while the rest (IATA-Code 85,86,71-79,97-99) of around 10% can be allocated to other reasons (Source: CODA-Dashboard-04-2023, Date 12/06/2023).

### FABEC

In the FABEC area, traffic decreased by 11.6% in April 2023 compared to the same month in 2019, leading to a 14.1% yearly traffic decrease. Traffic was down in all ANSPs but with significant differences, from -18.3% in DFS, -16.4% in LVNL or -15.7% in skeyes to -8.6% in DSNA. Airport traffic was down to a similar extent (-18.9% in the FABEC area) but with even more disparities between ANSPs. Landings decreased by an impressive -25.9% in DFS, -19.2% in skeyes to -12.0% in LVNL or -10.6% in skyguide and even -7.5% in ANA LUX.

In April 2023, Paris ACC (549 751 min), Marseille ACC (265 916 min), Karlsruhe UAC (107 581 min) and Brest ACC (105 057 min) were the units to generate the most en-route ATFM delays. In Paris, delays were due to 'Industrial Action (ATC)' (95%), 'Staffing' (3%), 'Weather' (1%) and 'Special Event' (1%). In Marseille, delays were due to 'Industrial Action (ATC)' (80%), 'Staffing' (7%), 'ATC-Capacity' (6%), 'Weather' (3%), 'Special Event' (3%) and 'Equipment (ATC)' (1%); in Karlsruhe, 'ATC-Capacity' (56%), 'Other' (27%), Industrial action in France, 'Weather' (9%), 'Airspace Management' (5%) and 'Staffing' (3%); in Brest, 'ATC-Capacity' (57%), 'Airspace Management' (36%) and 'Staffing' (7%).

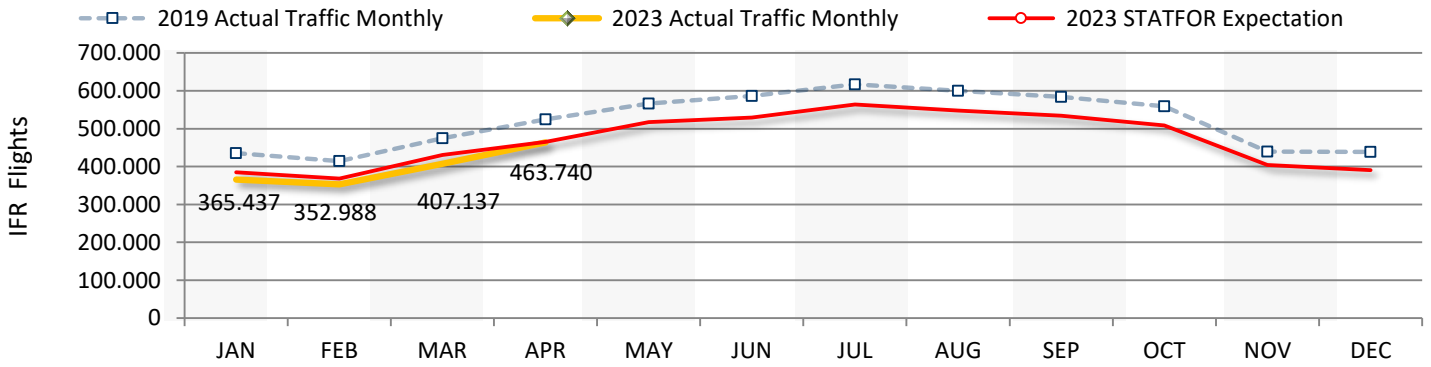
The en-route ATFM delay per flight all causes reached 2.82 min/flt in April 2023 compared to 1.21 min/flt in 2022. The en-route ATFM delay per flight reached 2.02 min/flt after 4 months in 2023 and this value is beyond the guideline value at the end of April (0.20 min/flt). The en-route ATFM delay CRSTMP causes reached 0.47 min/flt at the end of April; this value is, as well, beyond the FABEC guideline value (0.14 min/flt).

Airport ATFM delays were mainly generated in Amsterdam Schiphol/EHAM (43 321 min), Bordeaux/MFBD (15 342 min), Zurich/LSZH (12 493 min) and Paris Orly/LFPO (11 837 min). In Amsterdam Schiphol, delays were due to 'Weather' (88%) and 'Aerodrome Capacity' (12%). In Bordeaux, delays were due to 'Staffing' (58%) and 'Aerodrome Disruptions-ATC' (42%); in Zurich, 'Weather' (85%), 'Aerodrome Capacity' (12%) and 'Aerodrome Disruptions' (3%); in Paris Orly, 'Aerodrome Disruptions (ATC)' (66%), 'Staffing' (26%), 'Aerodrome Capacity' (6%) and 'Weather' (1%).

After 4 months in 2023, both DFS and DSNA are not achieving their respective en-route CRSTMP ATFM delay per flight contrarily to the other FABEC members. For the Arrival ATFM delay per Arrival flight, DSNA, ANA LUX and DFS are currently not achieving their respective CRSTMP arrival ATFM delay per Arrival flight target, contrarily to the other FABEC members.

## FABEC TRAFFIC DEVELOPMENT (*en-route*)

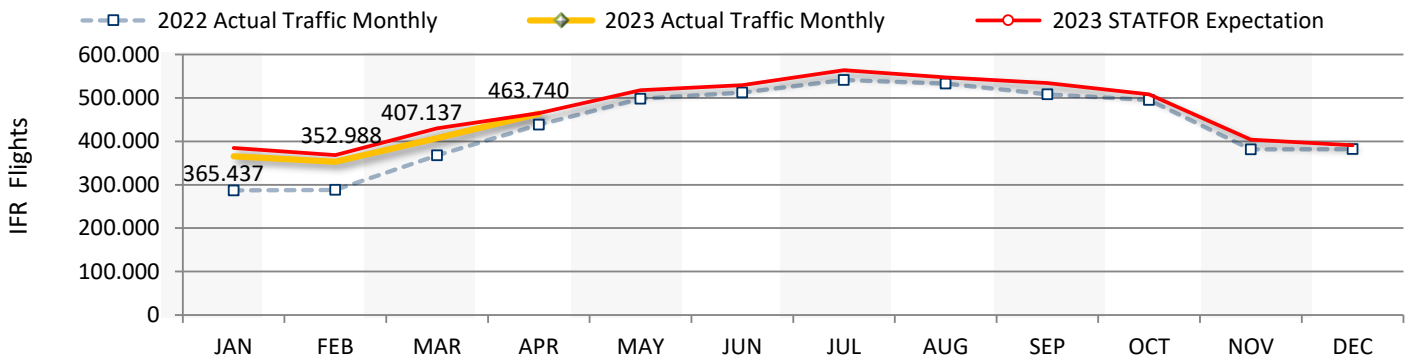
| <b>FABEC</b>                | <b>JAN</b>     | <b>FEB</b>     | <b>MAR</b>     | <b>APR</b>     | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | DEC     | <b>YTD</b>       |
|-----------------------------|----------------|----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|
| 2019 Actual Traffic Monthly | 435.809        | 414.272        | 474.729        | 524.490        | 566.051 | 586.281 | 617.104 | 600.261 | 584.310 | 558.973 | 439.854 | 438.590 | 1.849.300        |
| 2023 Actual Traffic Monthly | <b>365.437</b> | <b>352.988</b> | <b>407.137</b> | <b>463.740</b> |         |         |         |         |         |         |         |         | <b>1.589.302</b> |
| Growth (%)                  | <b>-16,1 %</b> | <b>-14,8 %</b> | <b>-14,2 %</b> | <b>-11,6 %</b> |         |         |         |         |         |         |         |         | <b>-14,1 %</b>   |
| 2023 STATFOR Expectation    | 384.779        | 368.280        | 430.288        | 465.067        | 517.684 | 529.494 | 563.833 | 547.498 | 534.041 | 508.353 | 404.253 | 390.716 | 5.644.285        |
| 2023 Traffic Evolution (%)  | <b>-5,0 %</b>  | <b>-4,2 %</b>  | <b>-5,4 %</b>  | <b>-0,3 %</b>  |         |         |         |         |         |         |         |         |                  |
| 2023 Traffic Cumulated (%)  | <b>-5,0 %</b>  | <b>-4,6 %</b>  | <b>-4,9 %</b>  | <b>-3,6 %</b>  |         |         |         |         |         |         |         |         |                  |



|                             | <b>JAN</b>     | <b>FEB</b>     | <b>MAR</b>     | <b>APR</b>     | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | DEC     | <b>YTD</b>     |
|-----------------------------|----------------|----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|
| <b>skeyes</b>               |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2019 Actual Traffic Monthly | 46.085         | 42.458         | 49.539         | 53.761         | 57.702  | 58.513  | 62.239  | 59.274  | 59.410  | 57.544  | 46.709  | 46.631  | 191.843        |
| 2023 Actual Traffic Monthly | <b>36.485</b>  | <b>36.295</b>  | <b>42.495</b>  | <b>46.473</b>  |         |         |         |         |         |         |         |         | <b>161.748</b> |
| Growth (%)                  | <b>-20,8 %</b> | <b>-14,5 %</b> | <b>-14,2 %</b> | <b>-13,6 %</b> |         |         |         |         |         |         |         |         | <b>-15,7 %</b> |
| <b>DFS</b>                  |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2019 Actual Traffic Monthly | 222.009        | 211.766        | 240.686        | 258.289        | 282.291 | 286.199 | 299.444 | 292.210 | 291.681 | 284.915 | 225.050 | 223.636 | 932.750        |
| 2023 Actual Traffic Monthly | <b>173.393</b> | <b>165.403</b> | <b>199.318</b> | <b>223.857</b> |         |         |         |         |         |         |         |         | <b>761.971</b> |
| Growth (%)                  | <b>-21,9 %</b> | <b>-21,9 %</b> | <b>-17,2 %</b> | <b>-13,3 %</b> |         |         |         |         |         |         |         |         | <b>-18,3 %</b> |
| <b>DSNA</b>                 |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2019 Actual Traffic Monthly | 221.573        | 209.836        | 244.322        | 283.032        | 302.429 | 321.951 | 340.265 | 329.402 | 313.806 | 292.190 | 221.663 | 221.576 | 958.763        |
| 2023 Actual Traffic Monthly | <b>201.137</b> | <b>195.983</b> | <b>220.587</b> | <b>259.024</b> |         |         |         |         |         |         |         |         | <b>876.731</b> |
| Growth (%)                  | <b>-9,2 %</b>  | <b>-6,6 %</b>  | <b>-9,7 %</b>  | <b>-8,5 %</b>  |         |         |         |         |         |         |         |         | <b>-8,6 %</b>  |
| <b>LVNL</b>                 |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2019 Actual Traffic Monthly | 46.111         | 44.366         | 50.512         | 53.470         | 57.492  | 55.907  | 57.593  | 57.195  | 56.974  | 57.181  | 47.564  | 47.298  | 194.459        |
| 2023 Actual Traffic Monthly | <b>37.554</b>  | <b>36.153</b>  | <b>42.950</b>  | <b>45.901</b>  |         |         |         |         |         |         |         |         | <b>162.558</b> |
| Growth (%)                  | <b>-18,6 %</b> | <b>-18,5 %</b> | <b>-15,0 %</b> | <b>-14,2 %</b> |         |         |         |         |         |         |         |         | <b>-16,4 %</b> |
| <b>MUAC</b>                 |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2019 Actual Traffic Monthly | 138.773        | 129.324        | 147.712        | 154.875        | 164.086 | 166.793 | 176.133 | 173.200 | 168.761 | 166.082 | 137.728 | 139.287 | 570.684        |
| 2023 Actual Traffic Monthly | <b>114.330</b> | <b>108.415</b> | <b>130.400</b> | <b>141.634</b> |         |         |         |         |         |         |         |         | <b>494.779</b> |
| Growth (%)                  | <b>-17,6 %</b> | <b>-16,2 %</b> | <b>-11,7 %</b> | <b>-8,5 %</b>  |         |         |         |         |         |         |         |         | <b>-13,3 %</b> |
| <b>Skyguide</b>             |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2019 Actual Traffic Monthly | 89.334         | 86.268         | 99.645         | 110.651        | 120.991 | 127.214 | 133.394 | 127.821 | 124.023 | 115.533 | 86.141  | 89.466  | 385.898        |
| 2023 Actual Traffic Monthly | <b>75.735</b>  | <b>75.644</b>  | <b>85.707</b>  | <b>97.788</b>  |         |         |         |         |         |         |         |         | <b>334.874</b> |
| Growth (%)                  | <b>-15,2 %</b> | <b>-12,3 %</b> | <b>-14,0 %</b> | <b>-11,6 %</b> |         |         |         |         |         |         |         |         | <b>-13,2 %</b> |

## FABEC TRAFFIC DEVELOPMENT (*en-route*)

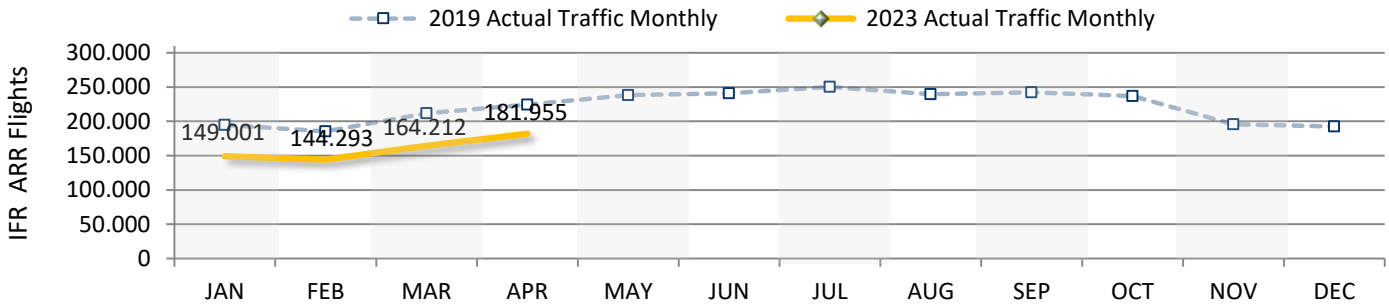
| <b>FABEC</b>                | JAN            | FEB            | MAR            | APR            | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | DEC     | YTD              |
|-----------------------------|----------------|----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|
| 2022 Actual Traffic Monthly | 286.998        | 287.940        | 367.853        | 437.947        | 497.938 | 512.584 | 541.131 | 532.856 | 508.004 | 495.129 | 381.425 | 382.274 | 1.380.738        |
| 2023 Actual Traffic Monthly | <b>365.437</b> | <b>352.988</b> | <b>407.137</b> | <b>463.740</b> |         |         |         |         |         |         |         |         | <b>1.589.302</b> |
| Growth (%)                  | 27,3 %         | 22,6 %         | 10,7 %         | 5,9 %          |         |         |         |         |         |         |         |         | 15,1 %           |
| 2023 STATFOR Expectation    | 384.779        | 368.280        | 430.288        | 465.067        | 517.684 | 529.494 | 563.833 | 547.498 | 534.041 | 508.353 | 404.253 | 390.716 | 5.644.285        |
| 2023 Traffic Evolution (%)  | -5,0 %         | -4,2 %         | -5,4 %         | -0,3 %         |         |         |         |         |         |         |         |         |                  |
| 2023 Traffic Cumulated (%)  | -5,0 %         | -4,6 %         | -4,9 %         | -3,6 %         |         |         |         |         |         |         |         |         |                  |



|                             | JAN            | FEB            | MAR            | APR            | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | DEC     | YTD            |
|-----------------------------|----------------|----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|
| <b>skeyes</b>               |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2022 Actual Traffic Monthly | 30.799         | 30.791         | 39.640         | 43.267         | 48.238  | 47.745  | 52.265  | 50.352  | 48.867  | 47.449  | 38.329  | 38.231  | 144.497        |
| 2023 Actual Traffic Monthly | <b>36.485</b>  | <b>36.295</b>  | <b>42.495</b>  | <b>46.473</b>  |         |         |         |         |         |         |         |         | <b>161.748</b> |
| Growth (%)                  | 18,5 %         | 17,9 %         | 7,2 %          | 7,4 %          |         |         |         |         |         |         |         |         | 11,9 %         |
| <b>DFS</b>                  |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2022 Actual Traffic Monthly | 140.653        | 134.874        | 174.691        | 214.761        | 242.789 | 247.074 | 251.060 | 250.461 | 244.238 | 236.488 | 185.524 | 179.573 | 664.979        |
| 2023 Actual Traffic Monthly | <b>173.393</b> | <b>165.403</b> | <b>199.318</b> | <b>223.857</b> |         |         |         |         |         |         |         |         | <b>761.971</b> |
| Growth (%)                  | 23,3 %         | 22,6 %         | 14,1 %         | 4,2 %          |         |         |         |         |         |         |         |         | 14,6 %         |
| <b>DSNA</b>                 |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2022 Actual Traffic Monthly | 153.679        | 159.760        | 202.675        | 242.076        | 276.383 | 287.378 | 313.012 | 303.600 | 284.246 | 277.767 | 205.912 | 212.553 | 758.190        |
| 2023 Actual Traffic Monthly | <b>201.137</b> | <b>195.983</b> | <b>220.587</b> | <b>259.024</b> |         |         |         |         |         |         |         |         | <b>876.731</b> |
| Growth (%)                  | 30,9 %         | 22,7 %         | 8,8 %          | 7,0 %          |         |         |         |         |         |         |         |         | 15,6 %         |
| <b>LVNL</b>                 |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2022 Actual Traffic Monthly | 32.473         | 30.879         | 39.467         | 43.220         | 49.640  | 48.925  | 48.166  | 48.946  | 48.426  | 47.373  | 39.170  | 38.344  | 146.039        |
| 2023 Actual Traffic Monthly | <b>37.554</b>  | <b>36.153</b>  | <b>42.950</b>  | <b>45.901</b>  |         |         |         |         |         |         |         |         | <b>162.558</b> |
| Growth (%)                  | 15,6 %         | 17,1 %         | 8,8 %          | 6,2 %          |         |         |         |         |         |         |         |         | 11,3 %         |
| <b>MUAC</b>                 |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2022 Actual Traffic Monthly | 92.126         | 88.527         | 112.537        | 130.139        | 146.883 | 147.871 | 152.286 | 151.574 | 147.884 | 144.545 | 116.228 | 118.898 | 423.329        |
| 2023 Actual Traffic Monthly | <b>114.330</b> | <b>108.415</b> | <b>130.400</b> | <b>141.634</b> |         |         |         |         |         |         |         |         | <b>494.779</b> |
| Growth (%)                  | 24,1 %         | 22,5 %         | 15,9 %         | 8,8 %          |         |         |         |         |         |         |         |         | 16,9 %         |
| <b>Skyguide</b>             |                |                |                |                |         |         |         |         |         |         |         |         |                |
| 2022 Actual Traffic Monthly | 63.347         | 63.888         | 79.699         | 94.817         | 109.177 | 113.943 | 124.133 | 121.067 | 114.719 | 109.860 | 79.229  | 78.828  | 301.751        |
| 2023 Actual Traffic Monthly | <b>75.735</b>  | <b>75.644</b>  | <b>85.707</b>  | <b>97.788</b>  |         |         |         |         |         |         |         |         | <b>334.874</b> |
| Growth (%)                  | 19,6 %         | 18,4 %         | 7,5 %          | 3,1 %          |         |         |         |         |         |         |         |         | 11,0 %         |

## FABEC TRAFFIC DEVELOPMENT (arrival)

| <b>FABEC</b>                | JAN            | FEB            | MAR            | APR            | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | DEC     | YTD            |
|-----------------------------|----------------|----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|
| 2019 Actual Traffic Monthly | 194.850        | 185.420        | 211.796        | 224.471        | 238.490 | 240.788 | 250.186 | 239.483 | 242.195 | 236.830 | 195.678 | 192.743 | 816.537        |
| 2023 Actual Traffic Monthly | <b>149.001</b> | <b>144.293</b> | <b>164.212</b> | <b>181.955</b> |         |         |         |         |         |         |         |         | <b>639.461</b> |
| Growth (%)                  | <b>-23,5 %</b> | <b>-22,2 %</b> | <b>-22,5 %</b> | <b>-18,9 %</b> |         |         |         |         |         |         |         |         | <b>-21,7 %</b> |



|                             | JAN            | FEB           | MAR           | APR           | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | YTD           |
|-----------------------------|----------------|---------------|---------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| <b>ANA LUX</b>              |                |               |               |               |       |       |       |       |       |       |       |       |               |
| 2019 Actual Traffic Monthly | 2.728          | 2.640         | 3.007         | 3.285         | 3.451 | 3.420 | 3.410 | 3.160 | 3.445 | 3.466 | 3.150 | 3.022 | 11.660        |
| 2023 Actual Traffic Monthly | <b>2.438</b>   | <b>2.448</b>  | <b>2.874</b>  | <b>3.038</b>  |       |       |       |       |       |       |       |       | <b>10.798</b> |
| Growth (%)                  | <b>-10,6 %</b> | <b>-7,3 %</b> | <b>-4,4 %</b> | <b>-7,5 %</b> |       |       |       |       |       |       |       |       | <b>-7,4 %</b> |

|                             | JAN            | FEB            | MAR            | APR            | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC   | YTD            |
|-----------------------------|----------------|----------------|----------------|----------------|--------|--------|--------|--------|--------|--------|--------|-------|----------------|
| <b>skeyes</b>               |                |                |                |                |        |        |        |        |        |        |        |       |                |
| 2019 Actual Traffic Monthly | 9.804          | 8.825          | 10.293         | 11.083         | 11.763 | 11.678 | 12.607 | 12.086 | 12.016 | 11.632 | 10.315 | 9.981 | 40.005         |
| 2023 Actual Traffic Monthly | <b>7.407</b>   | <b>7.199</b>   | <b>8.416</b>   | <b>8.954</b>   |        |        |        |        |        |        |        |       | <b>31.976</b>  |
| Growth (%)                  | <b>-24,4 %</b> | <b>-18,4 %</b> | <b>-18,2 %</b> | <b>-19,2 %</b> |        |        |        |        |        |        |        |       | <b>-20,1 %</b> |

|                             | JAN            | FEB            | MAR            | APR            | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | YTD            |
|-----------------------------|----------------|----------------|----------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| <b>DFS</b>                  |                |                |                |                |        |        |        |        |        |        |        |        |                |
| 2019 Actual Traffic Monthly | 78.274         | 75.894         | 85.673         | 88.848         | 96.254 | 95.027 | 98.049 | 95.422 | 98.321 | 97.898 | 79.529 | 76.266 | 328.689        |
| 2023 Actual Traffic Monthly | <b>51.574</b>  | <b>49.634</b>  | <b>58.555</b>  | <b>65.855</b>  |        |        |        |        |        |        |        |        | <b>225.618</b> |
| Growth (%)                  | <b>-34,1 %</b> | <b>-34,6 %</b> | <b>-31,7 %</b> | <b>-25,9 %</b> |        |        |        |        |        |        |        |        | <b>-31,4 %</b> |

|                             | JAN            | FEB            | MAR            | APR            | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | YTD            |
|-----------------------------|----------------|----------------|----------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| <b>DSNA</b>                 |                |                |                |                |        |        |        |        |        |        |        |        |                |
| 2019 Actual Traffic Monthly | 66.766         | 63.317         | 73.401         | 81.023         | 84.477 | 88.656 | 92.799 | 86.055 | 86.206 | 81.851 | 67.332 | 66.631 | 284.507        |
| 2023 Actual Traffic Monthly | <b>56.987</b>  | <b>55.982</b>  | <b>60.591</b>  | <b>68.445</b>  |        |        |        |        |        |        |        |        | <b>242.005</b> |
| Growth (%)                  | <b>-14,6 %</b> | <b>-11,6 %</b> | <b>-17,5 %</b> | <b>-15,5 %</b> |        |        |        |        |        |        |        |        | <b>-14,9 %</b> |

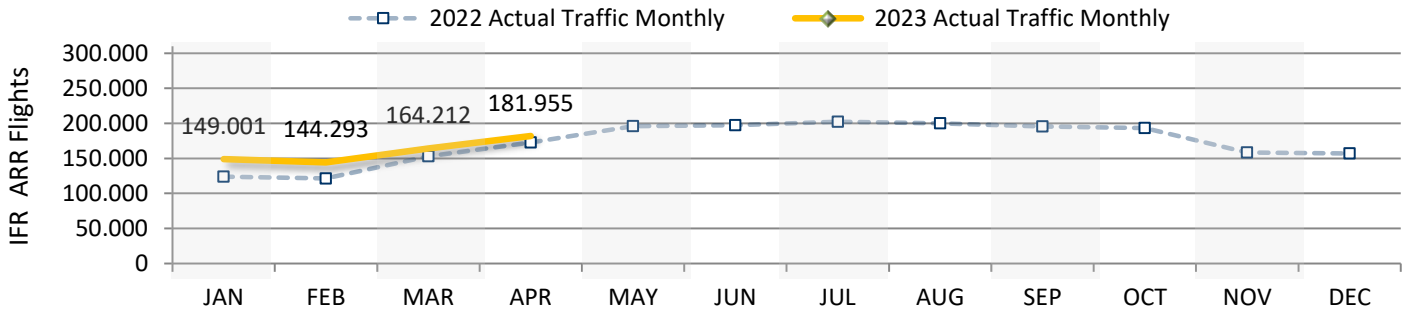
|                             | JAN            | FEB            | MAR            | APR            | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | YTD            |
|-----------------------------|----------------|----------------|----------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| <b>LVNL</b>                 |                |                |                |                |        |        |        |        |        |        |        |        |                |
| 2019 Actual Traffic Monthly | 18.998         | 18.021         | 20.363         | 21.455         | 22.973 | 22.330 | 22.933 | 23.046 | 22.639 | 22.777 | 19.390 | 19.628 | 78.837         |
| 2023 Actual Traffic Monthly | <b>15.524</b>  | <b>14.707</b>  | <b>17.314</b>  | <b>18.881</b>  |        |        |        |        |        |        |        |        | <b>66.426</b>  |
| Growth (%)                  | <b>-18,3 %</b> | <b>-18,4 %</b> | <b>-15,0 %</b> | <b>-12,0 %</b> |        |        |        |        |        |        |        |        | <b>-15,7 %</b> |

|                             | JAN            | FEB            | MAR            | APR            | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | YTD            |
|-----------------------------|----------------|----------------|----------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| <b>Skyguide</b>             |                |                |                |                |        |        |        |        |        |        |        |        |                |
| 2019 Actual Traffic Monthly | 18.280         | 16.723         | 19.059         | 18.777         | 19.572 | 19.677 | 20.388 | 19.714 | 19.568 | 19.206 | 15.962 | 17.215 | 72.839         |
| 2023 Actual Traffic Monthly | <b>15.071</b>  | <b>14.323</b>  | <b>16.462</b>  | <b>16.782</b>  |        |        |        |        |        |        |        |        | <b>62.638</b>  |
| Growth (%)                  | <b>-17,6 %</b> | <b>-14,4 %</b> | <b>-13,6 %</b> | <b>-10,6 %</b> |        |        |        |        |        |        |        |        | <b>-14,0 %</b> |



## FABEC TRAFFIC DEVELOPMENT (arrival)

| <b>FABEC</b>                | JAN            | FEB            | MAR            | APR            | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | DEC     | YTD            |
|-----------------------------|----------------|----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|
| 2022 Actual Traffic Monthly | 123.841        | 121.455        | 152.925        | 172.876        | 195.919 | 197.228 | 202.361 | 200.065 | 195.423 | 193.333 | 158.470 | 157.106 | 571.097        |
| 2023 Actual Traffic Monthly | <b>149.001</b> | <b>144.293</b> | <b>164.212</b> | <b>181.955</b> |         |         |         |         |         |         |         |         | <b>639.461</b> |
| Growth (%)                  | <b>20,3 %</b>  | <b>18,8 %</b>  | <b>7,4 %</b>   | <b>5,3 %</b>   |         |         |         |         |         |         |         |         | <b>12,0 %</b>  |



|                             | JAN           | FEB           | MAR           | APR          | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | YTD           |
|-----------------------------|---------------|---------------|---------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| <b>ANA LUX</b>              |               |               |               |              |       |       |       |       |       |       |       |       |               |
| 2022 Actual Traffic Monthly | 1.977         | 2.079         | 2.603         | 2.976        | 3.377 | 3.407 | 3.342 | 3.177 | 3.305 | 3.213 | 2.746 | 2.724 | 9.635         |
| 2023 Actual Traffic Monthly | <b>2.438</b>  | <b>2.448</b>  | <b>2.874</b>  | <b>3.038</b> |       |       |       |       |       |       |       |       | <b>10.798</b> |
| Growth (%)                  | <b>23,3 %</b> | <b>17,7 %</b> | <b>10,4 %</b> | <b>2,1 %</b> |       |       |       |       |       |       |       |       | <b>12,1 %</b> |

|                             | <b>skeyes</b> |               |              |              |       |       |        |        |       |       |       |       | YTD           |
|-----------------------------|---------------|---------------|--------------|--------------|-------|-------|--------|--------|-------|-------|-------|-------|---------------|
| 2022 Actual Traffic Monthly | 6.869         | 6.422         | 8.103        | 8.453        | 9.316 | 9.126 | 10.258 | 10.113 | 9.758 | 9.405 | 8.029 | 7.840 | 29.847        |
| 2023 Actual Traffic Monthly | <b>7.407</b>  | <b>7.199</b>  | <b>8.416</b> | <b>8.954</b> |       |       |        |        |       |       |       |       | <b>31.976</b> |
| Growth (%)                  | <b>7,8 %</b>  | <b>12,1 %</b> | <b>3,9 %</b> | <b>5,9 %</b> |       |       |        |        |       |       |       |       | <b>7,1 %</b>  |

|                             | <b>DFS</b>    |               |               |               |        |        |        |        |        |        |        |        | YTD            |
|-----------------------------|---------------|---------------|---------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| 2022 Actual Traffic Monthly | 43.112        | 40.902        | 52.555        | 63.000        | 71.452 | 71.662 | 70.435 | 72.784 | 71.724 | 72.063 | 59.007 | 54.117 | 199.569        |
| 2023 Actual Traffic Monthly | <b>51.574</b> | <b>49.634</b> | <b>58.555</b> | <b>65.855</b> |        |        |        |        |        |        |        |        | <b>225.618</b> |
| Growth (%)                  | <b>19,6 %</b> | <b>21,3 %</b> | <b>11,4 %</b> | <b>4,5 %</b>  |        |        |        |        |        |        |        |        | <b>13,1 %</b>  |

|                             | <b>DSNA</b>   |               |               |               |        |        |        |        |        |        |        |        | YTD            |
|-----------------------------|---------------|---------------|---------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| 2022 Actual Traffic Monthly | 46.741        | 48.317        | 59.964        | 65.736        | 75.097 | 77.065 | 81.642 | 76.979 | 74.234 | 72.720 | 58.877 | 60.945 | 220.758        |
| 2023 Actual Traffic Monthly | <b>56.987</b> | <b>55.982</b> | <b>60.591</b> | <b>68.445</b> |        |        |        |        |        |        |        |        | <b>242.005</b> |
| Growth (%)                  | <b>21,9 %</b> | <b>15,9 %</b> | <b>1,0 %</b>  | <b>4,1 %</b>  |        |        |        |        |        |        |        |        | <b>9,6 %</b>   |

|                             | <b>LVNL</b>   |               |               |               |        |        |        |        |        |        |        |        | YTD           |
|-----------------------------|---------------|---------------|---------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| 2022 Actual Traffic Monthly | 13.532        | 12.586        | 15.873        | 17.506        | 20.044 | 19.484 | 19.006 | 19.601 | 19.471 | 19.027 | 15.816 | 15.929 | 59.497        |
| 2023 Actual Traffic Monthly | <b>15.524</b> | <b>14.707</b> | <b>17.314</b> | <b>18.881</b> |        |        |        |        |        |        |        |        | <b>66.426</b> |
| Growth (%)                  | <b>14,7 %</b> | <b>16,9 %</b> | <b>9,1 %</b>  | <b>7,9 %</b>  |        |        |        |        |        |        |        |        | <b>11,6 %</b> |

|                             | <b>Skyguide</b> |               |               |               |        |        |        |        |        |        |        |        | YTD           |
|-----------------------------|-----------------|---------------|---------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| 2022 Actual Traffic Monthly | 11.610          | 11.149        | 13.827        | 15.205        | 16.633 | 16.484 | 17.678 | 17.411 | 16.931 | 16.905 | 13.995 | 15.551 | 51.791        |
| 2023 Actual Traffic Monthly | <b>15.071</b>   | <b>14.323</b> | <b>16.462</b> | <b>16.782</b> |        |        |        |        |        |        |        |        | <b>62.638</b> |
| Growth (%)                  | <b>29,8 %</b>   | <b>28,5 %</b> | <b>19,1 %</b> | <b>10,4 %</b> |        |        |        |        |        |        |        |        | <b>20,9 %</b> |

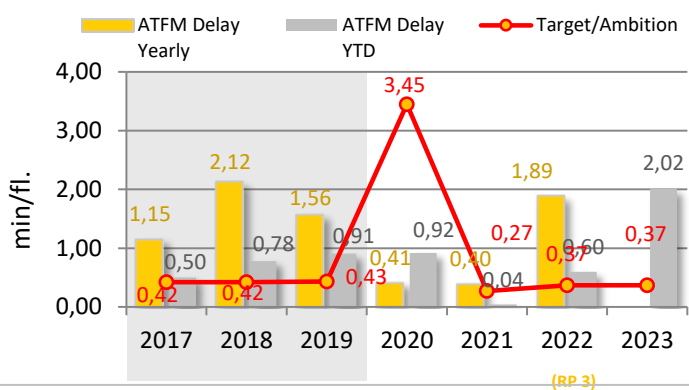
## KPI #1: En-route ATFM delay per controlled flight (FABEC)

|                                  | YTD 2023     | YTD 2022 |
|----------------------------------|--------------|----------|
| <b>En-route Delay All causes</b> | <b>2,02</b>  | 0,60     |
| FABEC Ambition                   | <b>0,37</b>  |          |
| Guideline                        | 0,20         |          |
| Minute ('000) ALL causes         | <b>3.209</b> | 826      |
| Diff. 2023 - 2022                | + 288,5 %    |          |
| Traffic ('000)                   | <b>1.589</b> | 1.381    |
| Diff. 2023 - 2022                | + 15,1 %     |          |

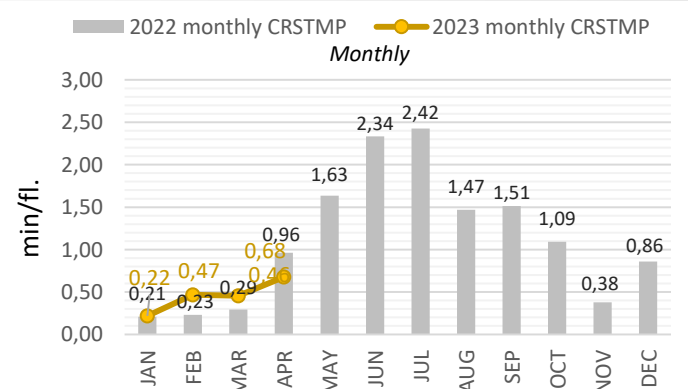
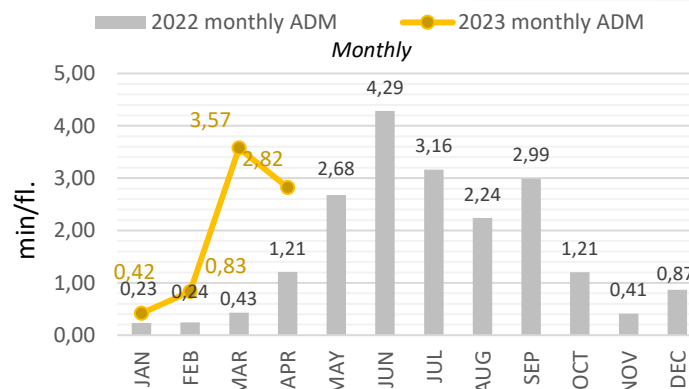
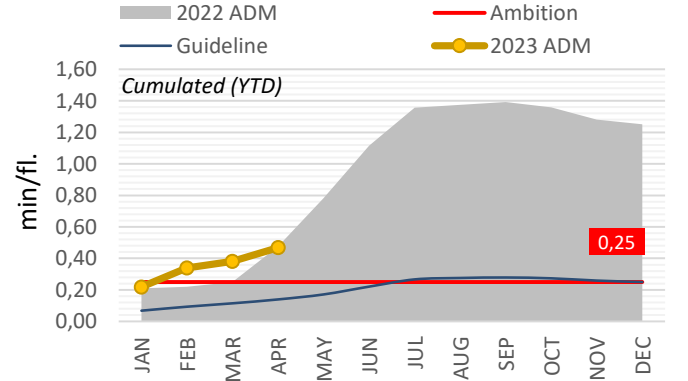
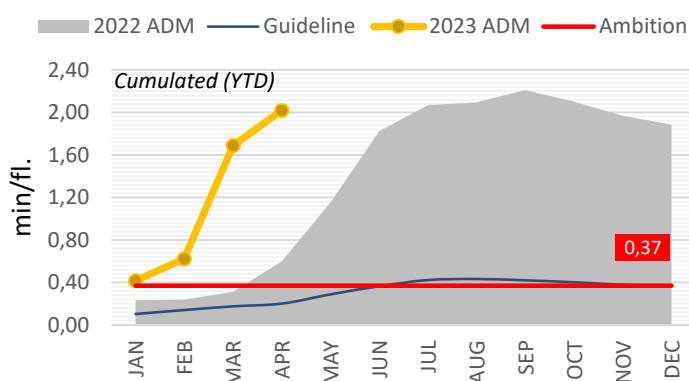
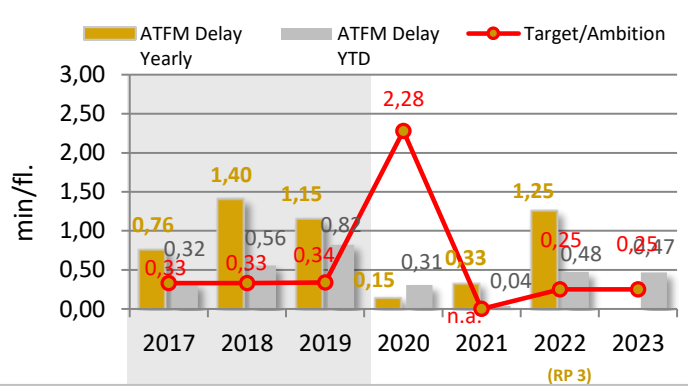
|   | YTD 2023    | YTD 2022 |
|---|-------------|----------|
| <b>En-route Delay CRSTMP causes</b>                           | <b>0,47</b> | 0,48     |
| FABEC Ambition  | <b>0,25</b> |          |
| Guideline   | 0,14        |          |
| Minute ('000) CRSTMP causes                                   | <b>744</b>  | 657      |
| Diff. 2023 - 2022   | + 13 %      |          |
| <i>Potential savings (*) due to underbid the delay Target</i> |             |          |
| <i>(all Causes) in Mio EURO (YTD)</i>                         | 0,0         |          |

\* Cost of ATFM-delay per min = 100 €

### All Delay Causes



### CRSTMP Delay Causes



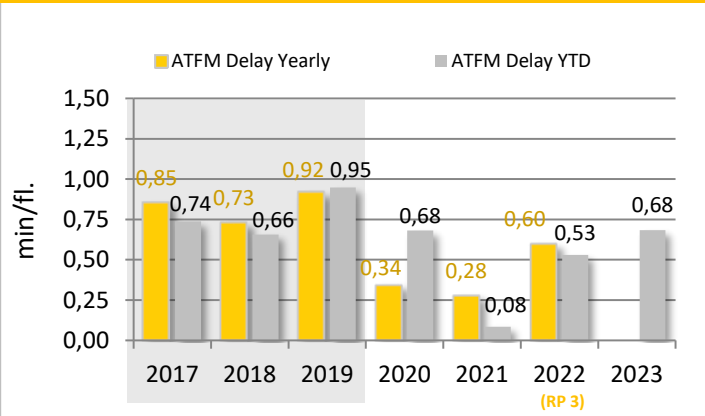
The guideline for the en-route ATFM delay per movement is a basic cumulative extrapolation of the 2017-2019 monthly allocation and is designed to give an impression, how the YTD figures should be, in order to reach the yearly 2023 ambition value set by FABEC States.



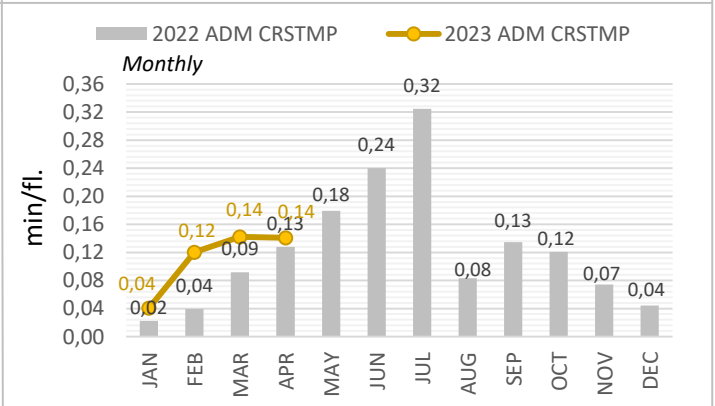
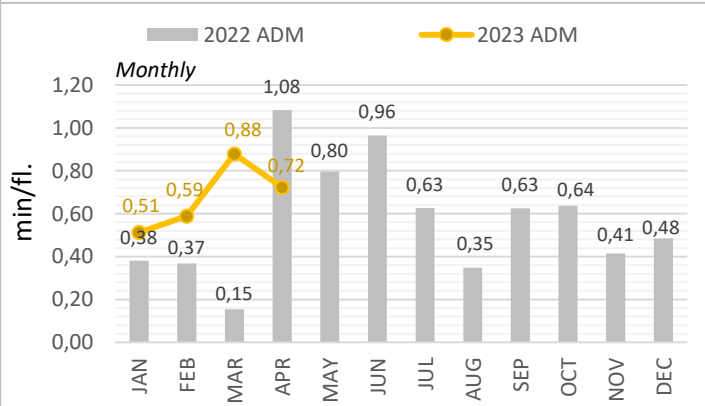
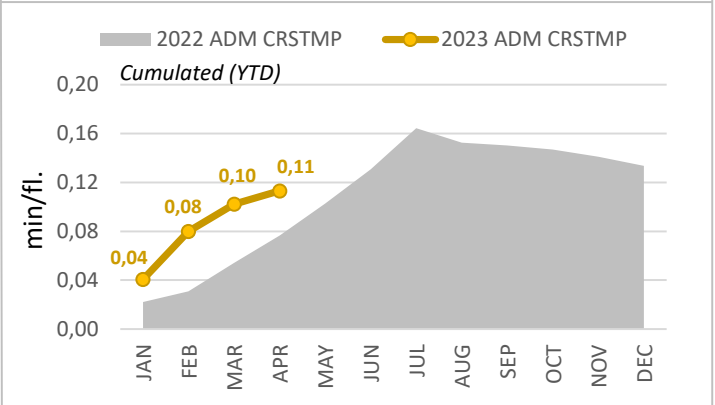
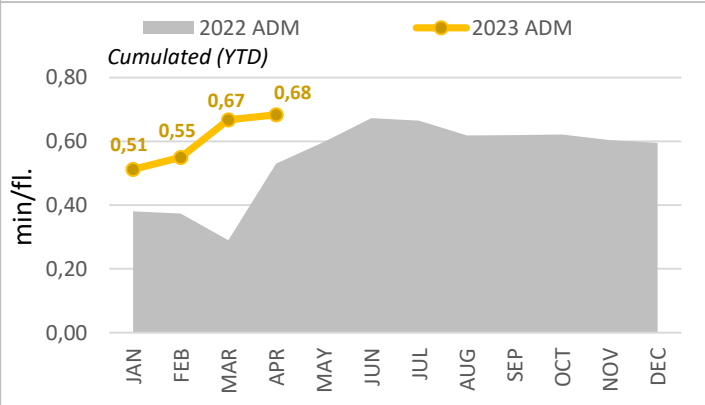
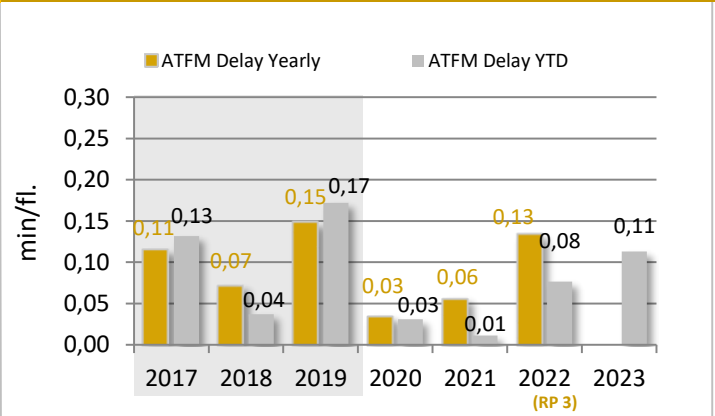
## KPI #2: Arrival ATFM delay per controlled flight (FABEC)

|                                 | YTD 2023    | YTD 2022 |                                    | YTD 2023    | YTD 2022 |
|---------------------------------|-------------|----------|------------------------------------|-------------|----------|
| <b>Arrival Delay All causes</b> | <b>0,68</b> | 0,53     | <b>Arrival Delay CRSTMP causes</b> | <b>0,11</b> | 0,08     |
| <i>Diff. 2023 - 2022</i>        | + 29 %      |          | <i>Diff. 2023 - 2022</i>           | + 48 %      |          |
| <b>Minute ('000) ALL causes</b> | <b>437</b>  | 303      | <b>Minute ('000) CRSTMP causes</b> | <b>72</b>   | 44       |
| <i>Diff. 2023 - 2022</i>        | + 44 %      |          | <i>Diff. 2023 - 2022</i>           | + 66 %      |          |
| <b>Traffic ('000)</b>           | <b>639</b>  | 571      |                                    |             |          |
| <i>Diff. 2023 - 2022</i>        | + 12 %      |          |                                    |             |          |

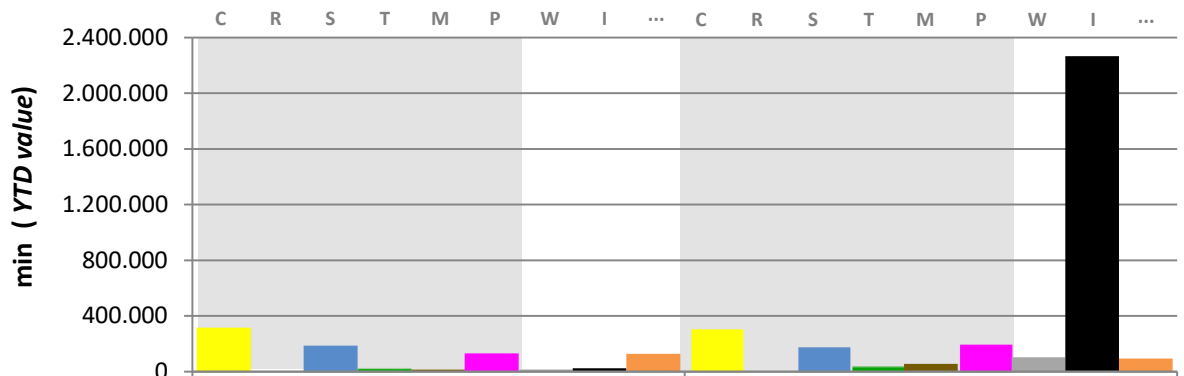
### All Delay Causes



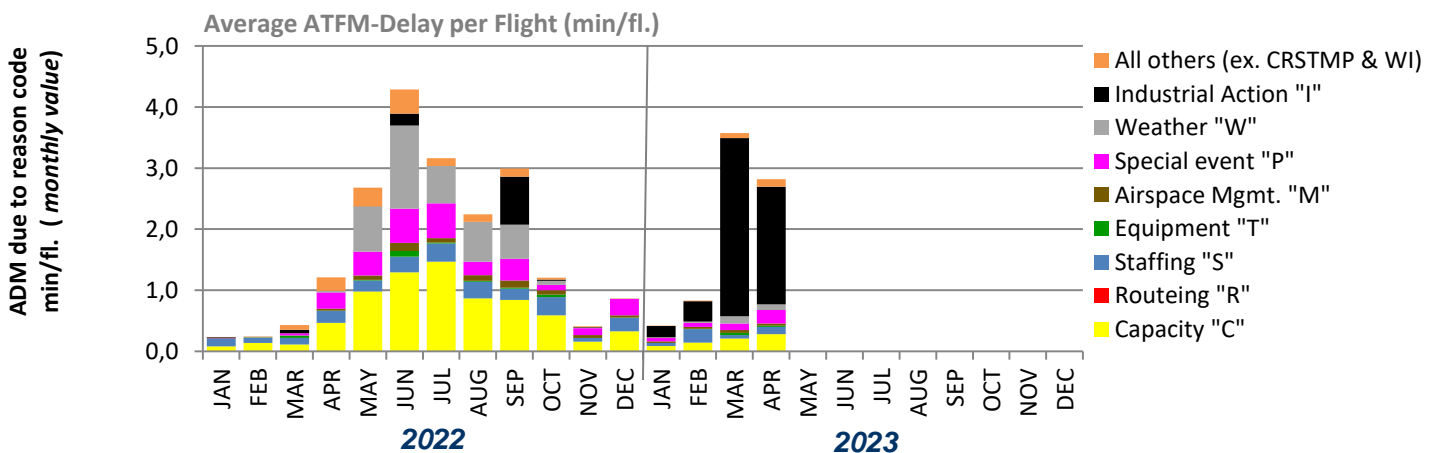
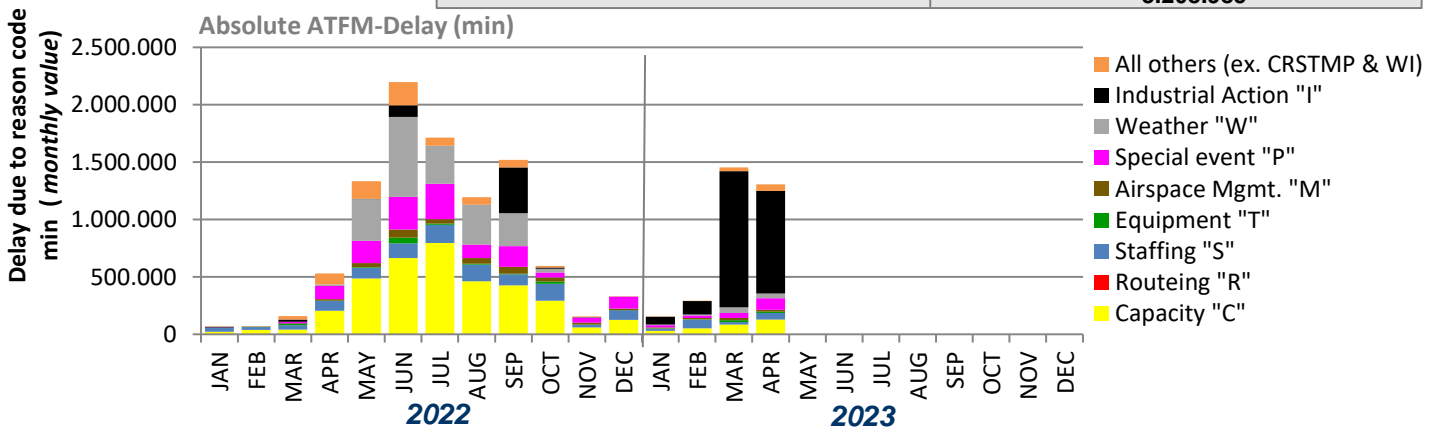
### CRSTMP Delay Causes



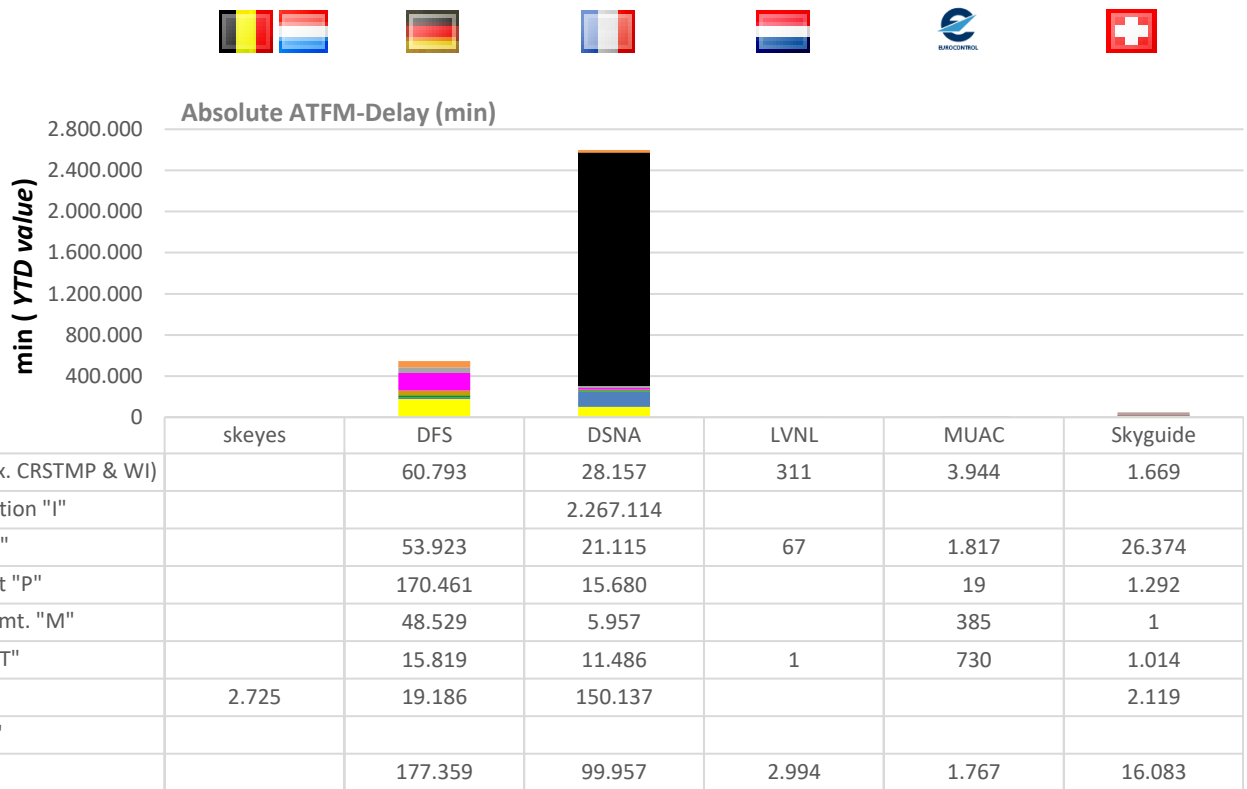
## KPI #1: En-route ATFM delay per reason code (FABEC)



| Delay due to reason code:    | 2022           | 2023             |
|------------------------------|----------------|------------------|
| Capacity "C"                 | 309.030        | 298.160          |
| Routeing "R"                 | 0              | 0                |
| Staffing "S"                 | 184.308        | 174.167          |
| Equipment "T"                | 18.788         | 29.050           |
| Airspace Mgmt. "M"           | 16.096         | 54.872           |
| Special event "P"            | 129.036        | 187.452          |
| Weather "W"                  | 15.605         | 103.296          |
| Industrial Action "I"        | 25.365         | 2.267.114        |
| All others (ex. CRSTMP & WI) | 127.784        | 94.874           |
| <b>CRSTMP:</b>               | <b>657.258</b> | <b>743.701</b>   |
| <b>TOTAL:</b>                | <b>826.012</b> | <b>3.208.985</b> |

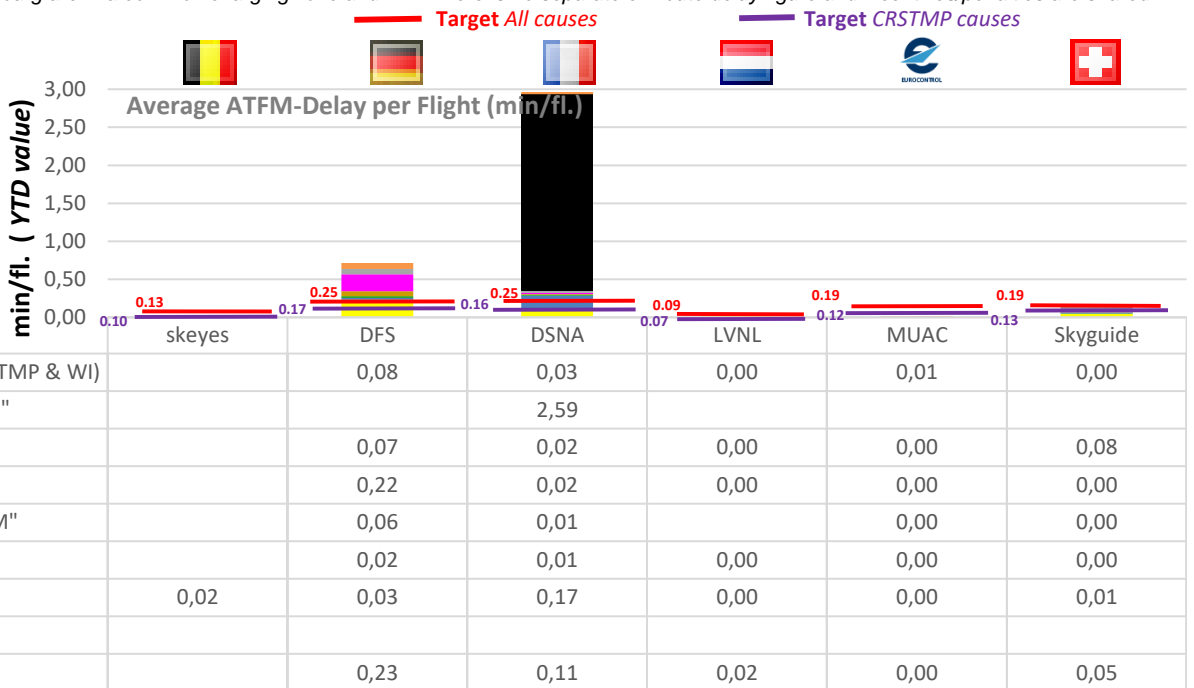


## KPI #1: En-route ATFM delay per controlled flight (ANSP)



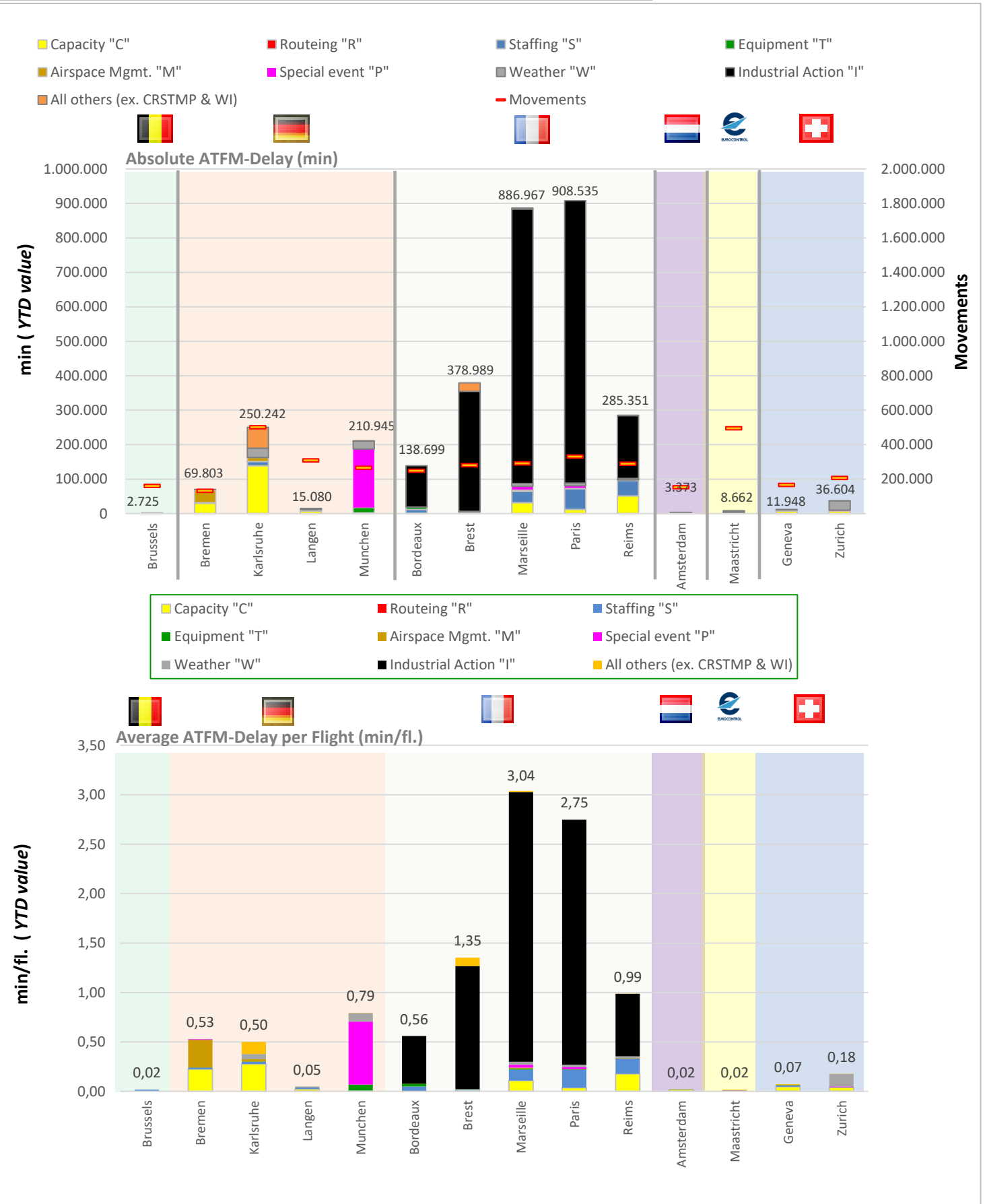
|                |              |                |                  |              |              |               |
|----------------|--------------|----------------|------------------|--------------|--------------|---------------|
| <b>CRSTMP:</b> | <b>2.725</b> | <b>431.354</b> | <b>283.217</b>   | <b>2.995</b> | <b>2.901</b> | <b>20.509</b> |
| <b>TOTAL:</b>  | <b>2.725</b> | <b>546.070</b> | <b>2.599.603</b> | <b>3.373</b> | <b>8.662</b> | <b>48.552</b> |

\*Belgium and Luxembourg are in a common charging zone and FIR. There is no separate en-route delay figure and incentives/penalties are shared.

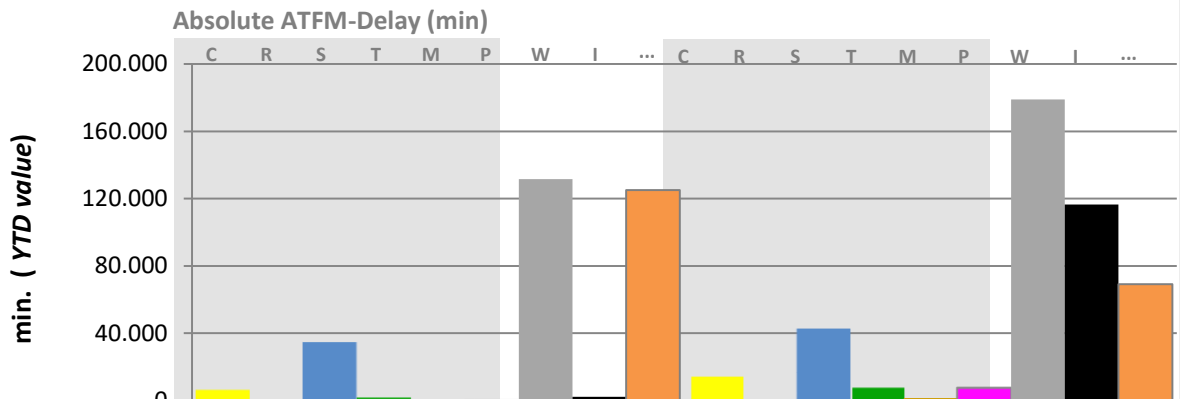


|                |             |             |             |             |             |             |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>CRSTMP:</b> | <b>0,02</b> | <b>0,57</b> | <b>0,32</b> | <b>0,02</b> | <b>0,01</b> | <b>0,06</b> |
| <b>TOTAL:</b>  | <b>0,02</b> | <b>0,72</b> | <b>2,97</b> | <b>0,02</b> | <b>0,02</b> | <b>0,14</b> |

## KPI #1: En-route ATFM delay per controlled flight (ACC)



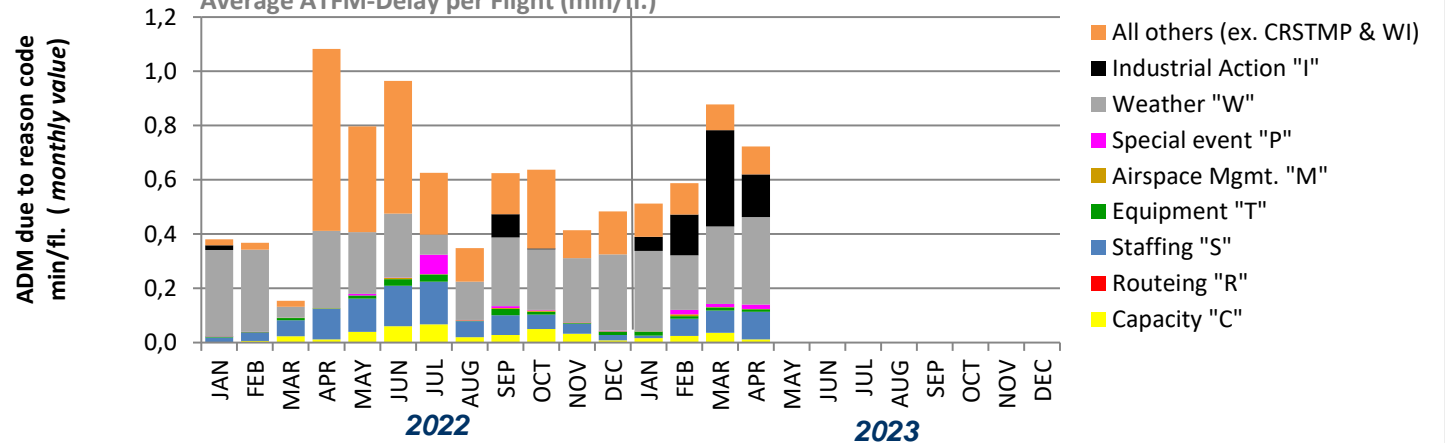
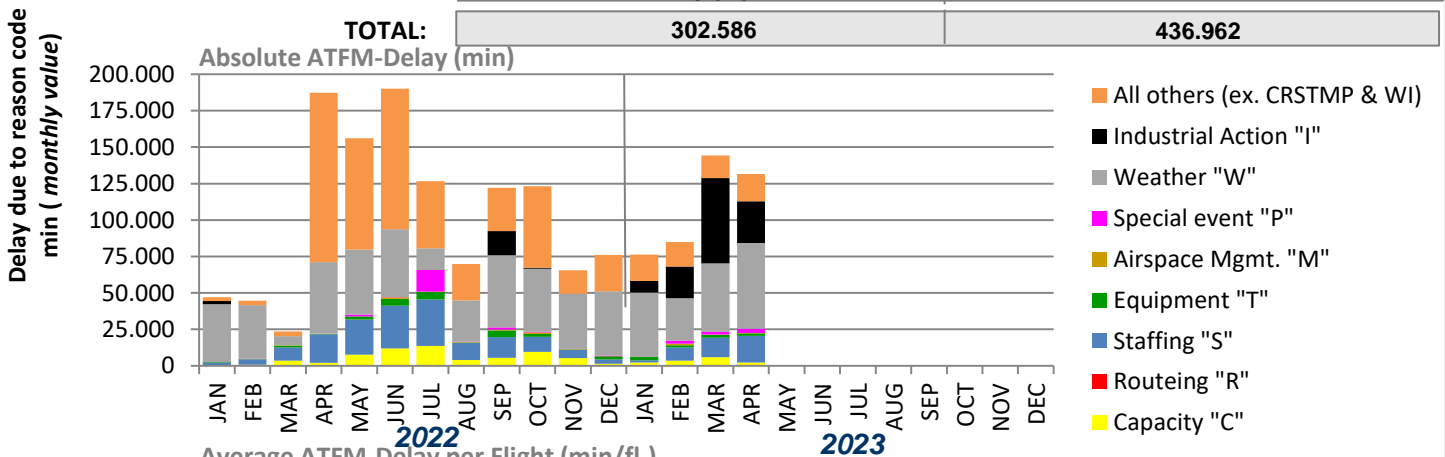
## KPI #2: Arrival ATFM delay per reason code (FABEC)



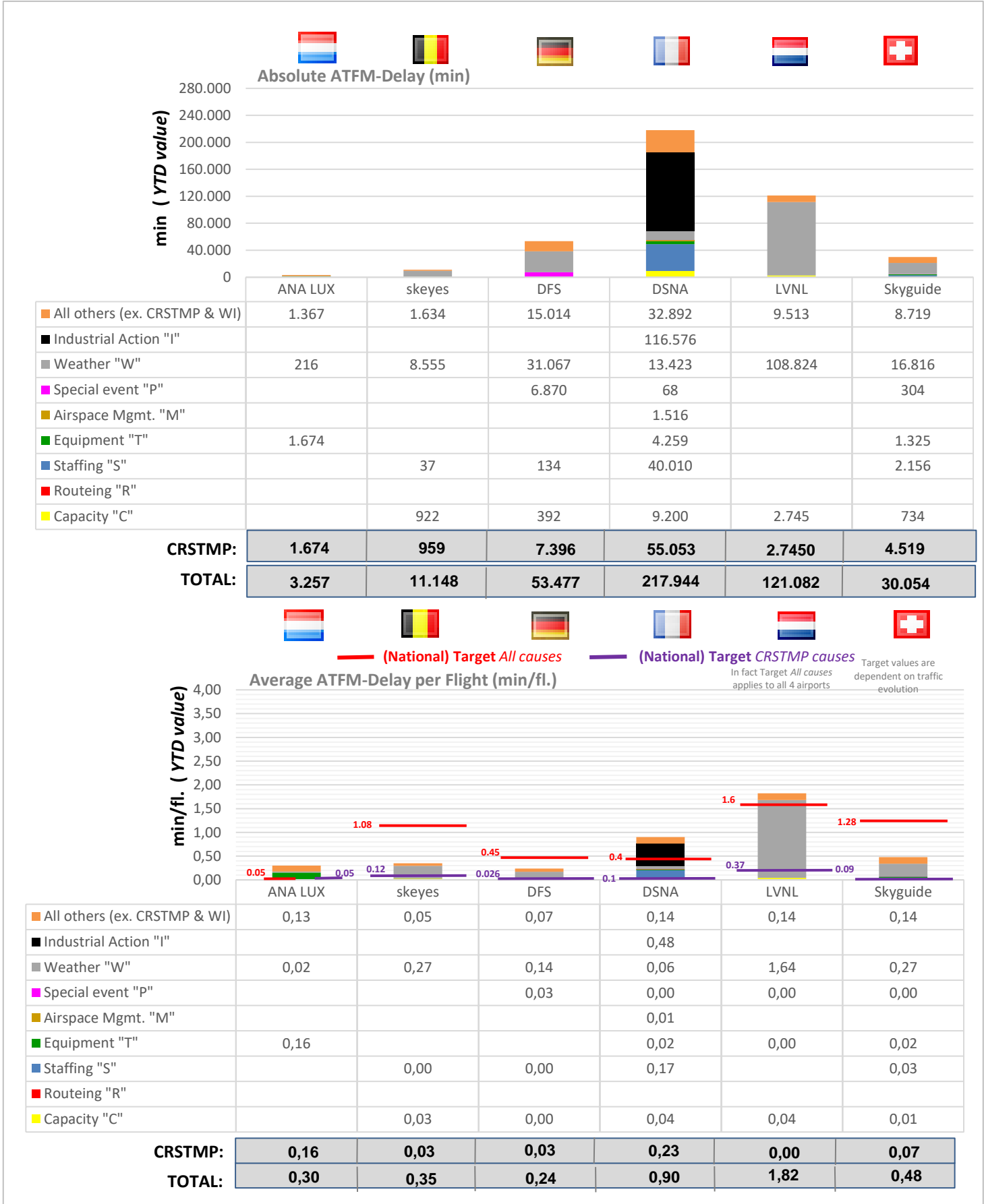
Delay due to reason code:

|                              | 2022    | 2023    |
|------------------------------|---------|---------|
| Capacity "C"                 | 6.547   | 13.993  |
| Routeing "R"                 | 0       | 0       |
| Staffing "S"                 | 34.472  | 42.337  |
| Equipment "T"                | 2.108   | 7.258   |
| Airspace Mgmt. "M"           | 437     | 1.516   |
| Special event "P"            | 114     | 7.242   |
| Weather "W"                  | 131.676 | 178.901 |
| Industrial Action "I"        | 2.172   | 116.576 |
| All others (ex. CRSTMP & WI) | 125.060 | 69.139  |

|                |                |                |
|----------------|----------------|----------------|
| <b>CRSTMP:</b> | <b>43.678</b>  | <b>72.346</b>  |
| <b>TOTAL:</b>  | <b>302.586</b> | <b>436.962</b> |



## KPI #2: Arrival ATFM delay per controlled flight (ANSP)





## Glossary

| Cause                                       | CODE     | Guidelines for Application  |
|---|----------|---|
| ATC Capacity                                | <b>C</b> | En Route: Demand exceeds or complexity reduces declared or expected ATC capacity<br>Airport: Demand exceeds declared or expected ATC capacity.  |
| ATC Industrial Action                       | <b>I</b> | Reduction in any capacity due to industrial action by ATC staff   |
| ATC Routeings                               | <b>R</b> | Network solutions / scenarios used to balance demand and capacity   |
| ATC Staffing                                | <b>S</b> | Unplanned staff shortage reducing expected capacity.  |
| ATC Equipment                               | <b>T</b> | Reduction of expected or declared capacity due to the non-availability or degradation of equipment used to provide an ATC service.  |
| Accident / Incident                         | <b>A</b> | Reduction of expected ATC capacity due to an aircraft accident / incident.  |
| Aerodrome Capacity                          | <b>G</b> | Reduction in declared or expected capacity due to the degradation or non-availability of infrastructure at an airport. e.g. Work in Progress, shortage of aircraft stands etc.<br>Or when demand exceeds expected aerodrome capacity.   |
| Equipment NON ATC- to be Aerodrome Services | <b>E</b> | Reduced capacity due to the degradation or non-availability of support equipment at an airport e.g. Fire Service, De-icing / snow removal equipment or other ground handling equipment.   |
| Industrial Action NON ATC                   | <b>N</b> | A reduction in expected / planned capacity due to industrial action by non ATC personnel.   |
| Airspace Management                         | <b>M</b> | Reduction in declared or expected capacity following changes in airspace / route availability due to small scale military activity.   |
| Special Event                               | <b>P</b> | Reduction in planned, declared or expected capacity or when demand exceeds the above capacities as a result of a major sporting, governmental or social event. It may also be used for ATM system upgrades and transitions. Large multinational military exercises may also use this reason. This category should only be used with prior approval during the planning process. |
| Weather                                     | <b>W</b> | Reduction in expected capacity due to any weather phenomena. This includes where weather impacts airport infrastructure capacity, but where aerodrome services are operating as planned / expected.   |
| Environmental Issues                        | <b>V</b> | Reduction in any capacity or when demand exceeds any capacity due to agreed local noise, runway usage or similar procedures. This category should only be used with prior agreement in the planning process.  |
| Other                                       | <b>O</b> | This should only be used in exceptional circumstances when no other category is sufficient. An explanatory ANM remark MUST be given to allow post ops analysis.   |

### CRSTMP:

ATC Capacity (**C**), ATC Routeings (**R**), ATC Staffing (**S**), ATC Equipment (**T**), Airspace Management (**M**), Special Event (**P**); a set of regulation codes which are defined in the Common Charging Scheme Regulation (IR 2019/317) and subject to financial incentive.

**Note:** Arrival figures (traffic and delay) do only include EBBR and EBLG for Belgium and only EHAM for the Netherlands.

### TABLE OF ABBREVIATIONS

**ADM** - Average en-route ATFM Delay per Movement  
**ANSP** - Air Navigation Service Provider  
**ATFM** - Air Traffic Flow Management  
**ANM** - Aeronautical Notification Message  
**FABEC** - Functional Airspace Block Europe Central

**ATM** - Air Traffic Management  
**PRU** - Performance Review Unit  
**YTD** - Year to Date value  
**FPP** - FABEC Performance Plan  
**CODA** - Central Office for Delay Analysis

## FABEC Performance Report Capacity:

Editor: FABEC PMG

Sources: EUROCONTROL, FABEC ANSPs

Status: April 2023

[www.FABEC.eu](http://www.FABEC.eu)

### Notice

The FABEC PMG has made every effort to ensure that the information and analysis contained in this document are as accurate and complete as possible.

Only information from quoted sources has been used and information relating to named parties has been checked with the parties concerned.

Despite these precautions, should you find any errors or inconsistencies we would be grateful if you could please bring them to the FABEC PMG's attention.