

PERFORMANCE REPORT 2020 - 2024

ENVIRONMENT December 2023







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Description & Analysis

ENV KPI #1: KEA/HFE at FABEC level (excl. 10 best/worst days)

In the FABEC area, the yearly rolling average value of efficiency of flown trajectory (expressed in KEA) was 96,83% for the period of Januar 2023 - December 2023, excluding the 10 best and 10 worst days. This value is 0.42pp less than the reference value (97,25%) and it's the same value compared to the 12-month rolling average of December 2022 (96,83%). The rolling KEA indicator has been decreasing slowly but steadily during the last year from January to October 2022. In November 2022, the value increased slightly and remained unchanged until January 2023 (96.83%). Since January 2023, the value has been oscillating between 96,81% and 96,85%. The December 2023 value reached its level of January 2023 (96,83%). This value is 0.01pp less compared to the previous month's value and 0.41pp less than the highest yearly rolling KEA value since 2015 reached in March and April 2021 (97,24%). In December 2023, the difference between KEA and KEP is 2.38pp, which is 0.2pp less compared to the difference value the month before.

ENV PI#1: HFE based on Actual at FABEC level (including all days)

The flight efficiency (expressed in KEA including all days on a monthly basis) has reached 97,10% in December 2023, which is 0.11pp higher compared to November 2023 (96,99%) and 0.55pp lower compared to April 2020 (97,65%), which is the highest value since January 2016. The KEA in December 2023 has decreased by 0.04pp compared to the same month in 2022 (KEA in December 2022 was 97,14%). The positive correlation between flight efficiency and traffic can be seen in the graph below:



ENV PI#2: KEP/HFE based on Filed FPL at FABEC level (excl. 10 best/worst days)

The KEP 12 months rolling average indicator was 94,45% for December 2023. It has increased by 0.11pp as compared to 94,34% in December 2022. The rolling average has been increasing slowly but steadily during the year of 2022 from 94,29% in May 2022 until it reached 94,36% in February 2023. In March and April, the value dropped to 94,34 and from April onwards the value increased every month. In December 2023, the indicator reached its highest level in the year (94,45%).

ENV PI#3: HFE based on Filed FPL at FABEC level (including all days)

The figure shows an increase of the flight efficiency indicator in December 2023 (94,72%) compared to one month prior (94,56%) and an increase in flight efficiency in December 2023 by 0.15pp compared to the value in December 2022 (94,72% in December 2023 vs 94,57% in December 2022). In December 2023, also this indicator reached its highest level in the year.

ENV PI#4: HFE based on Actual at State level (including all days)

At national level, all countries except Netherlands demonstrated an increase of flight efficiency based on actual trajectories in December 2023 compared to November 2023.

ENV PI#5: HFE based on Filed FPL at State level (including all days)

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At national level, all countries demonstrated an increase in flight efficiency based on the filed FPL in December 2023 compared to November 2023.







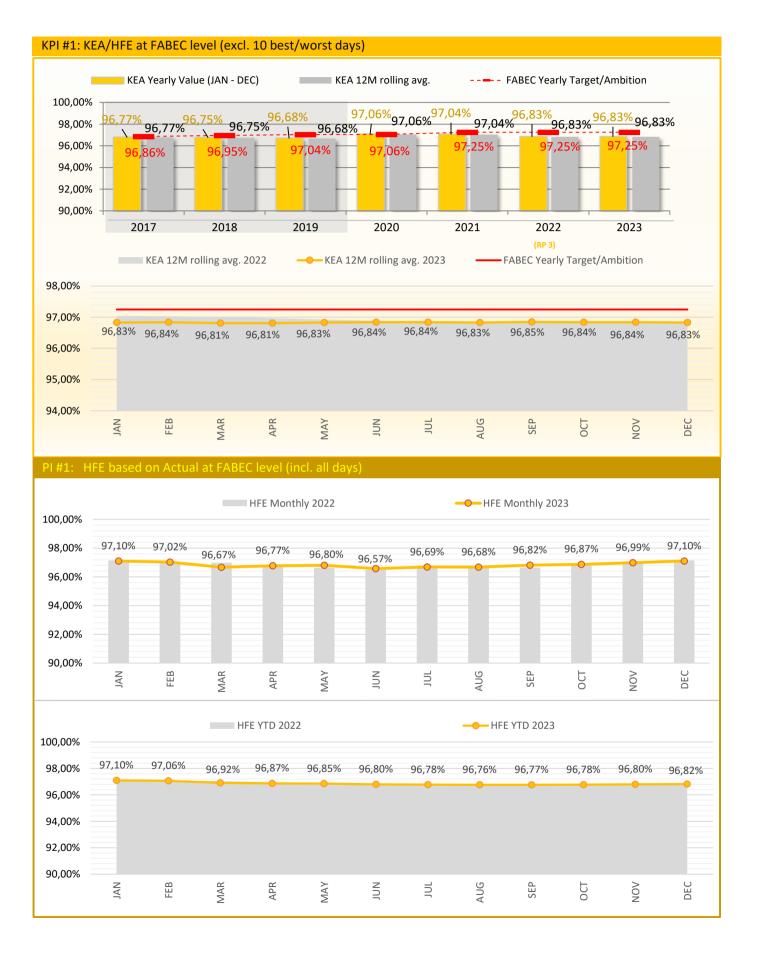
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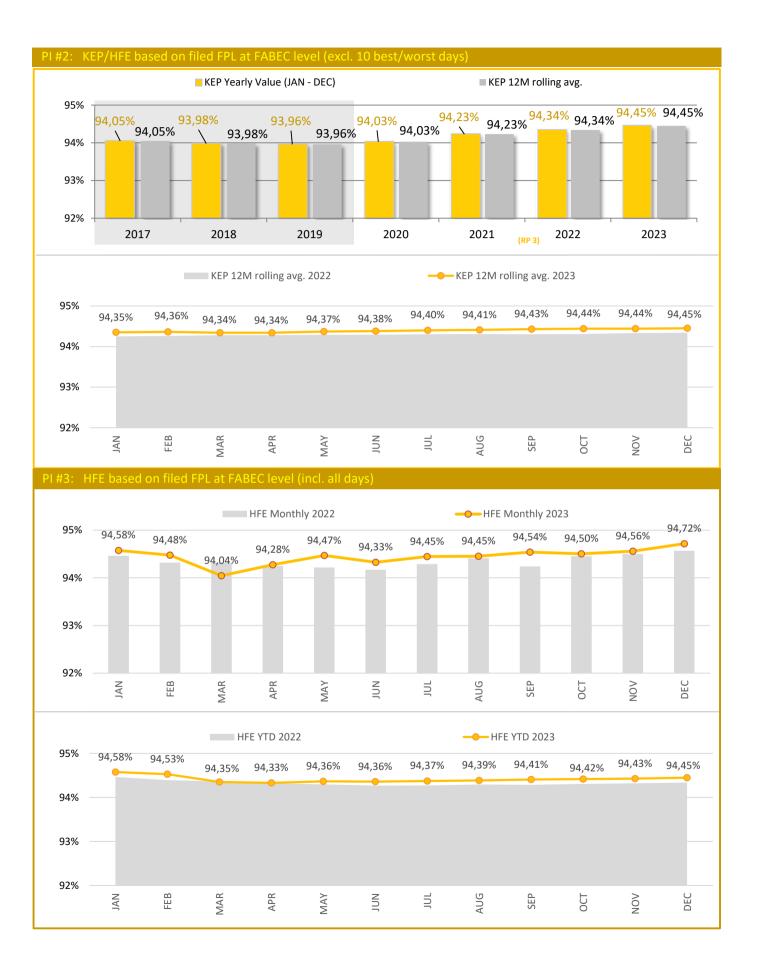
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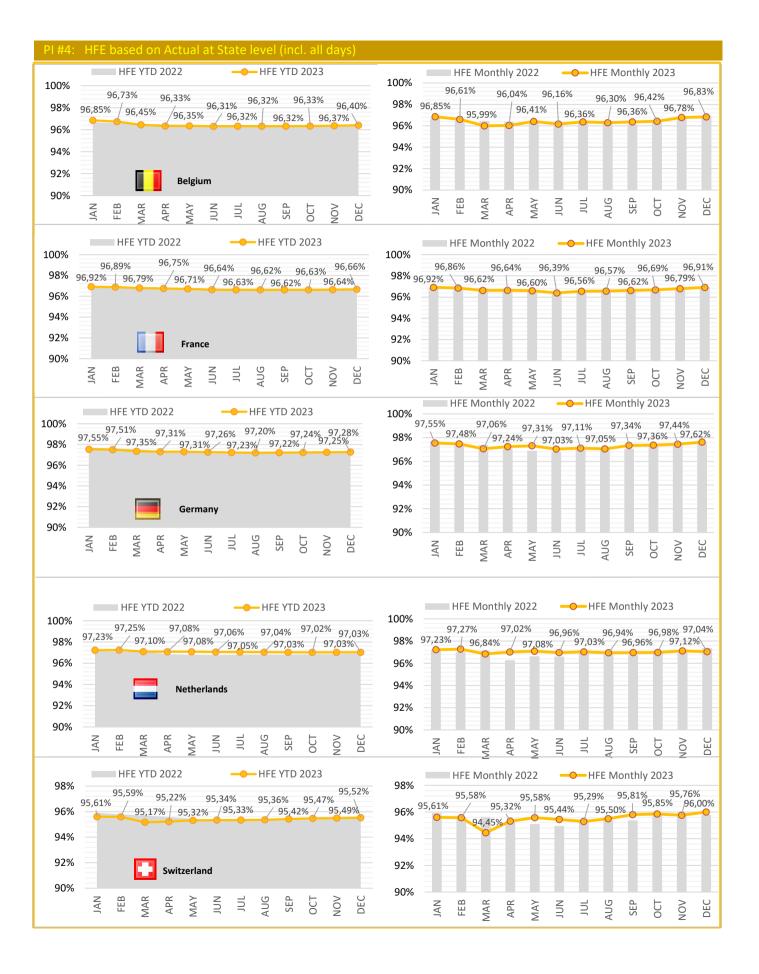






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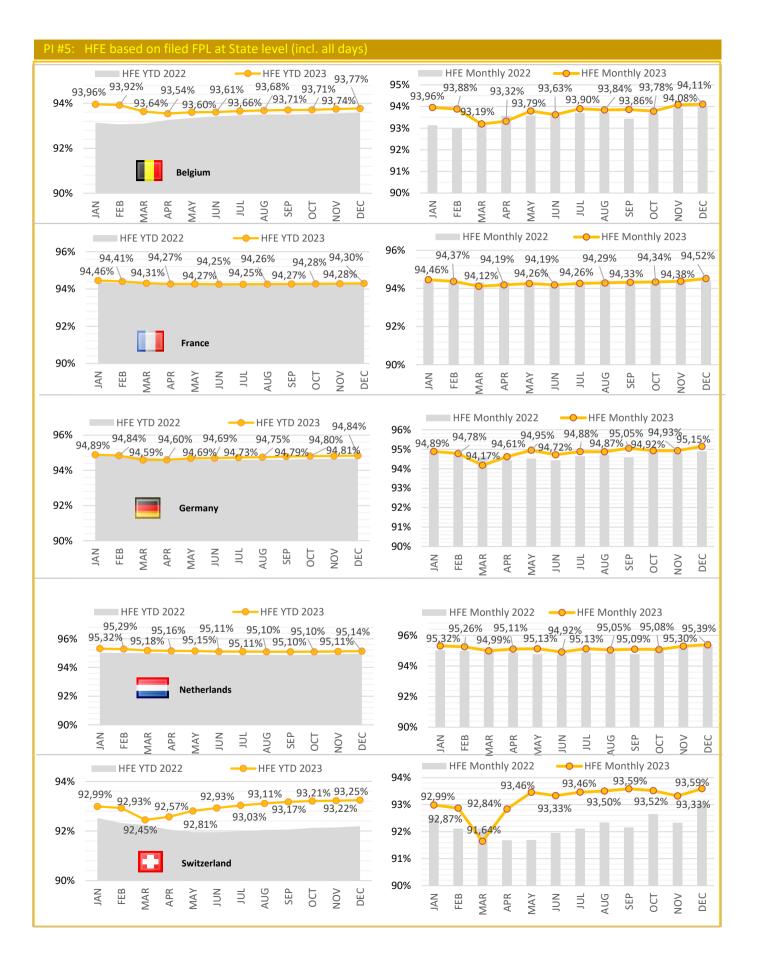
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Glossary

KEP / KEA definition

KEP compares the length of the en route section of the last filed flight plan Lp with the corresponding Achieved p of the great circle distance.

KEA compares the length of the en route section of the actual trajectory La with the corresponding Achieved a of the great circle distance.



KEP is the reference for SES-wide improvement with a global target set by the European Commission. KEA is the reference for FAB improvements with individual targets set by the European Commission.

Achieved distance calculation

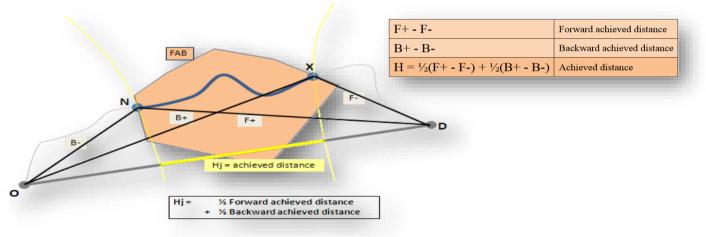
4 reference points are identified for KEP/KEA calculation :

The **O**rigin and **D**estination points are the targets of the trajectory and the reference points for the Great Circle:

- the airports inside the SES area
- when the airports are outside the SES area, they are the trajectory point at the SES border

The eNtry and eXit points are the first and last points of the part of the trajectory considered within a FAB:

- the point on the 40NM circle around departure or arrival airport
- the point on the border with the previous/next FAB



For further details on PRU methodology, please refer to the following documentation: <u>http://prudata.webfactional.com/wiki/images/6/61/HFE_Methodology_2014_05_23.pdf</u>

TABLE OF ABBREVIATIONS

- ADEP Airport of Departure
- ANSP Air Navigation Service Provider
- ATFM Air Traffic Flow Management
- FABEC Functional Airspace Block Europe Central
- ADES Airport of Destination
- PRU Performance Review Unit
- **YTD** Year to Date value
- FPP FABEC Performace Plan
- TMA Terminal Manoeuvring Area, delimited by a 40 NM circle around the origin and destination airport.

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FABEC Performance Report Environment:

 Editor:
 FABEC PMG

 Sources:
 EUROCONTROL PRU (http://ansperformance.eu/), FABEC ANSPs

 Status:
 December 2023

www.FABEC.eu

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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.

