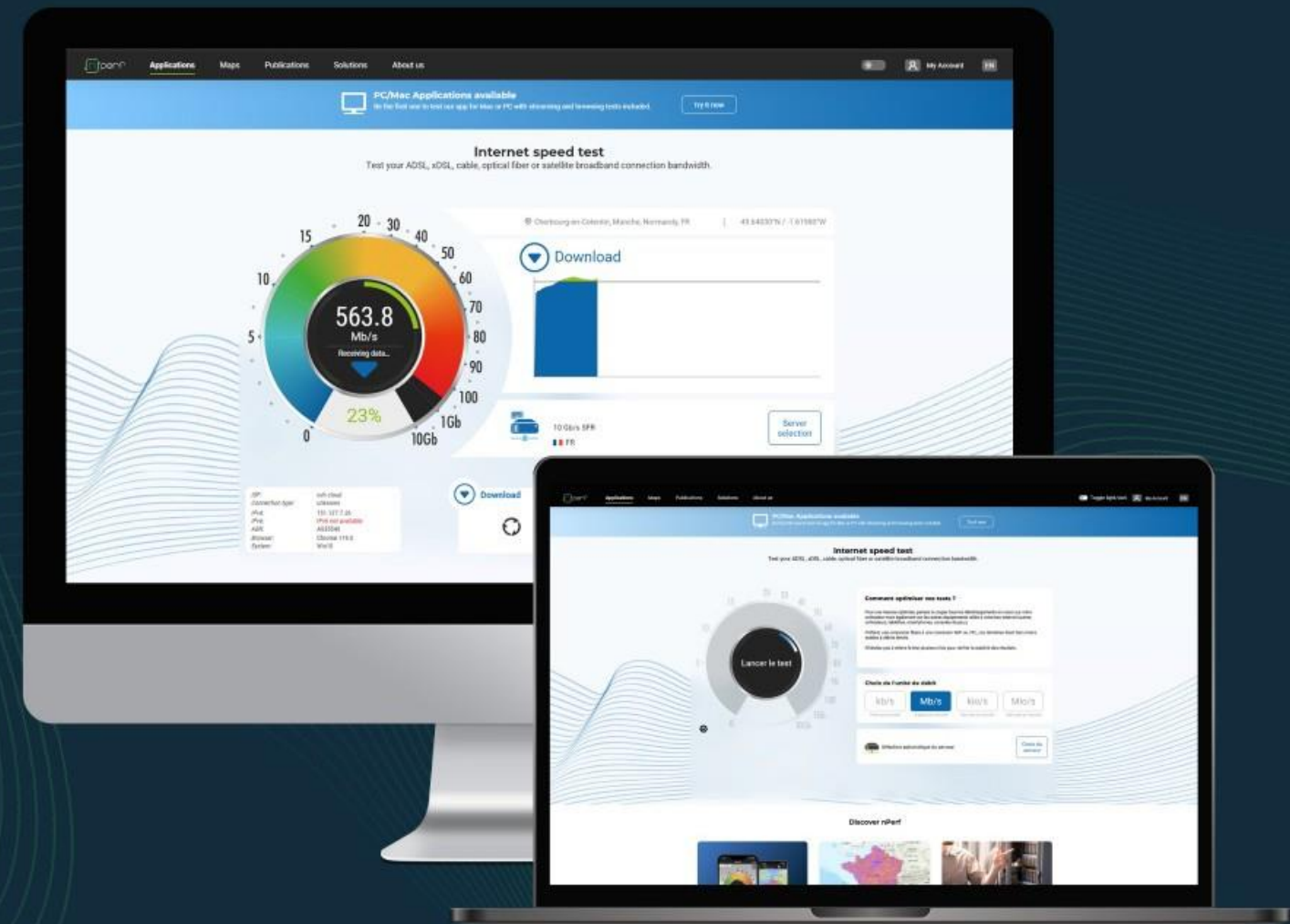




Barometer of fixed Internet connections in Netherlands

01/07/2023 - 30/06/2024



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**nPerf Network
assessment**



Expert in the telecom network optimization

nPerf is an independent French company based in Lyon (France). For over a decade, nPerf has been a trusted partner for both fixed and mobile operators, providing comprehensive network testing solutions and analysis. Our mission is to accurately measure, evaluate, and enhance the understanding of Internet connectivity around the world.



300k+ tests daily worldwide.



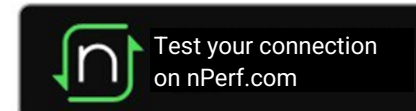
26Md+ coverage scans in total.



3k+ servers all around the world.

Test your Internet connection with nPerf!

nPerf allows you to test the quality of your fixed, mobile, or Wi-Fi Internet connections up to 10 Gb/s! Download our app or visit our website!



2. Executive Summary



The subscribers of Delta and Odido enjoyed the best fixed Internet performances in Netherlands during 2024.

Fixed Internet connections in Netherlands

	Delta	KPN	Odido	Ziggo
Download bitrates (Mb/s)	272.13	185.78	235.52	255.42
Upload bitrates (Mb/s)	235.19	161.63	207.83	50.47
Latency (ms)	14.86	28.71	18.79	21.65
Web browsing (%)	81.83	88.74	88.49	87.81
Youtube streaming (%)	90.80	93.02	93.10	92.77
nPerf Score (nPoints)	146 676	135 721	147 978	135 973

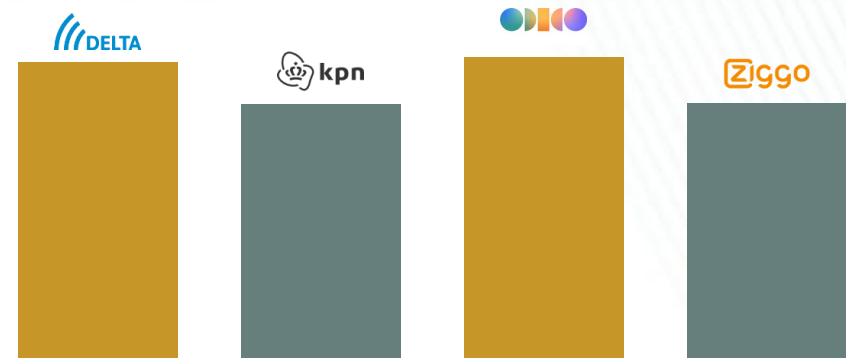
Source : nperf.com



Best fixed Internet performance in 2024



Source : nperf.com



Source : nperf.com

Introduction

The Netherlands' ISP market is highly competitive, with Delta and Odido emerging as co-leaders. This report provides an overview of the performance of the top ISPs: Delta, Odido, Ziggo, and KPN, highlighting their strengths across various performance metrics.

Delta and Odido co-leaders with distinct strengths

Delta and Odido share the top position in the Netherlands' ISP market, each excelling in different areas. Delta is the champion in speed and latency, with remarkable download speeds of 272 Mbps, upload speeds of 235 Mbps, and latency of 15 ms. This makes Delta the ideal choice for users who prioritize fast and reliable Internet connectivity.

Odido, on the other hand, excels in user experience, with impressive scores in web browsing (88%) and streaming (93%). These strengths position Odido as the top option for consumers seeking an exceptional online experience, particularly for browsing and streaming activities.

Ziggo strong in streaming and download speeds

Ziggo ranks third, showing strong performance in both streaming and download speeds. Notably, Ziggo surpasses its competitors in download speeds towards the end of the period, indicating its potential to challenge the leaders in the near future. This makes Ziggo a viable option for users who prioritize high-quality streaming and fast downloads.

KPN best in web browsing

KPN ranks fourth but excels in web browsing, with a leading score of 88%. In addition to its strong web browsing performance, KPN also shows good overall user experience, making it a reliable choice for consumers who value efficient and smooth Internet navigation.

Conclusion

Delta and Odido lead the Netherlands' ISP market with their distinct strengths in speed, latency, and user experience. Ziggo shows strong performance in streaming and download speeds, indicating its potential to climb higher in the rankings. KPN, while ranked fourth, excels in web browsing and offers a solid user experience. The competitive landscape in the Netherlands' ISP market drives continuous improvements in service quality, ultimately benefiting consumers with better and more reliable Internet experiences.

4. Methodology



nPerf provides a free application to assess Internet connection quality via its website and mobile apps (Android, iOS). Daily, thousands of people rely on nPerf for speed tests in their country, contributing to a comprehensive crowdsourced database covering all operators.

The study employs a strong filtering method to reflect real customer experiences on a specific network (mobile or fixed line). Measures are taken to prevent probes and measurement robots from affecting the results.

We assess:

▼ Download bitrate

Indicates the amount of data your connection can receive in one second from the nPerf server. The highest the measured value, the best is the bitrate of your connection.

▲ Upload bitrate

Indicates the amount of data your connection can send in one second to the nPerf server. The highest the measured value, the best is the bitrate of your connection.

◄► Latency (ping)

It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The main is the minimum value.

🌐 Browsing performance

The browsing test assesses the load time of the fully loaded pages, including images, javascript, CSS, and fonts, for the five most popular sites. This indicator reflects the perceived quality by the user.

📺 Streaming performance

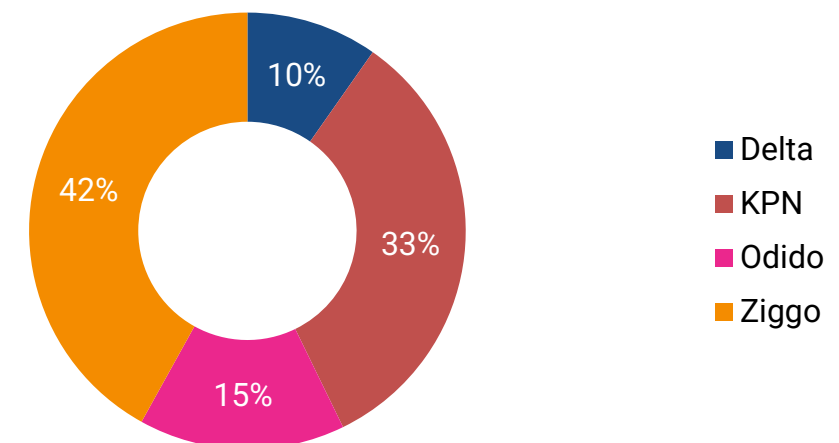
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

Statistical precision is crucial in accurately determining winners. At nPerf, we prioritize test quality, precise reporting, and transparency. Analyzing a large volume of tests in this study, we've achieved 0.7% precision for absolute values, highlighting the reliability and accuracy of our data.

For a more comprehensive understanding of the user experience, our report features test results during both Busy hours (6 PM to 11 PM) and Idle hours (the rest of the day). Busy hours, marked by network strain, can impact user experience through congestion. This approach helps in understanding how network performance fluctuates throughout the day.

We only include national Internet service providers with test share above 5% share. The chart below shows the overall test distribution for each service provider.

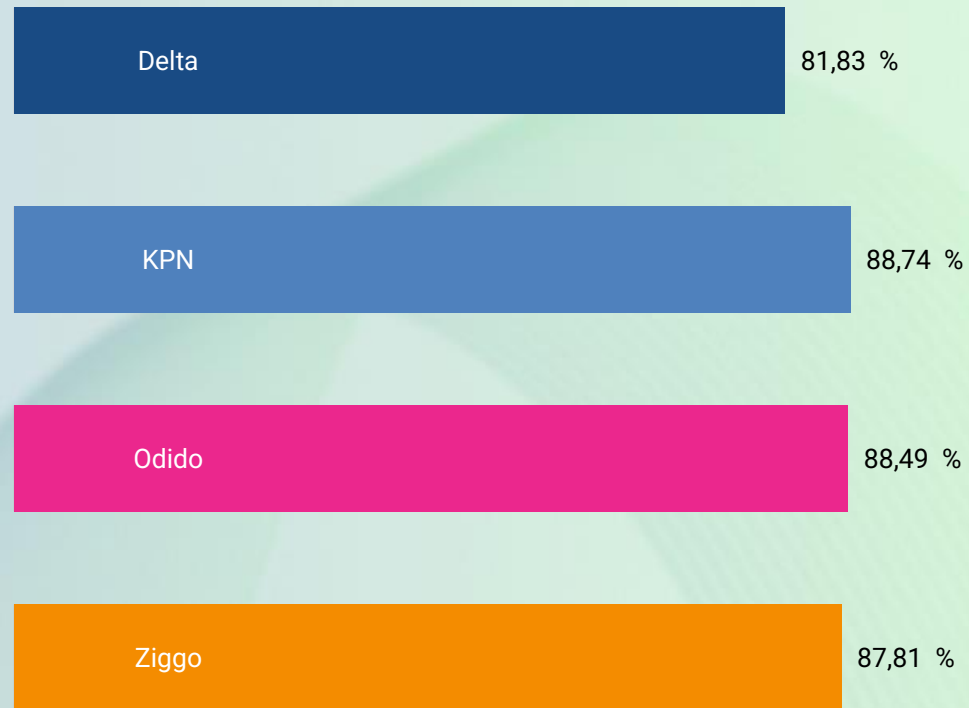
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



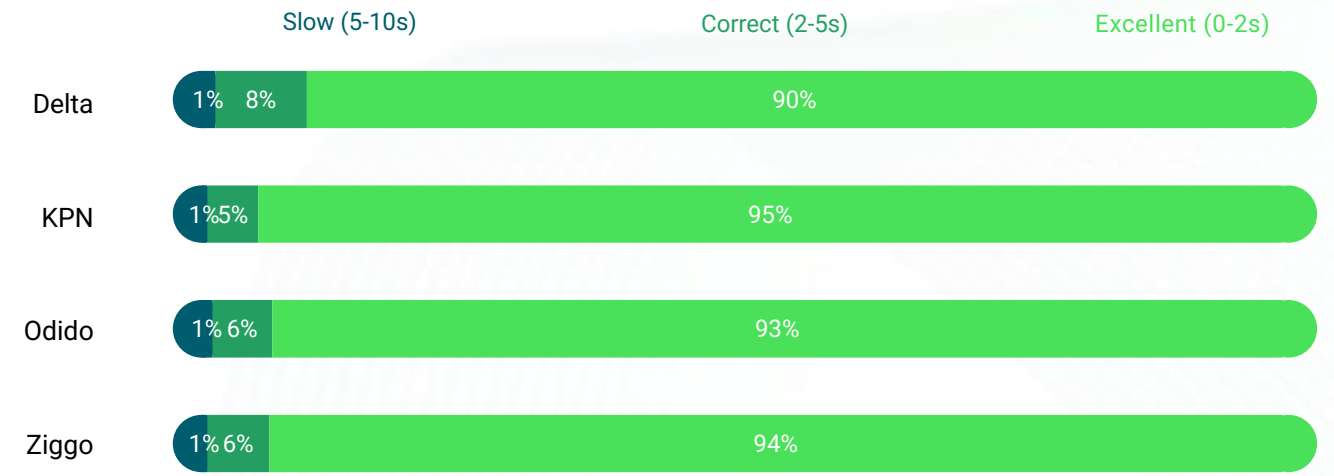
Browsing Performance rate (average)



Source : nperf.com

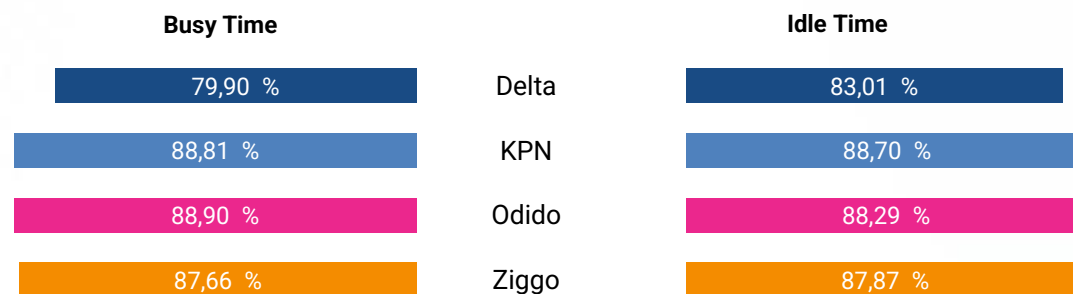
The subscribers of KPN and Odido enjoyed the best mobile Internet browsing performance in 2024.

Browsing Performance results ventilation (average)



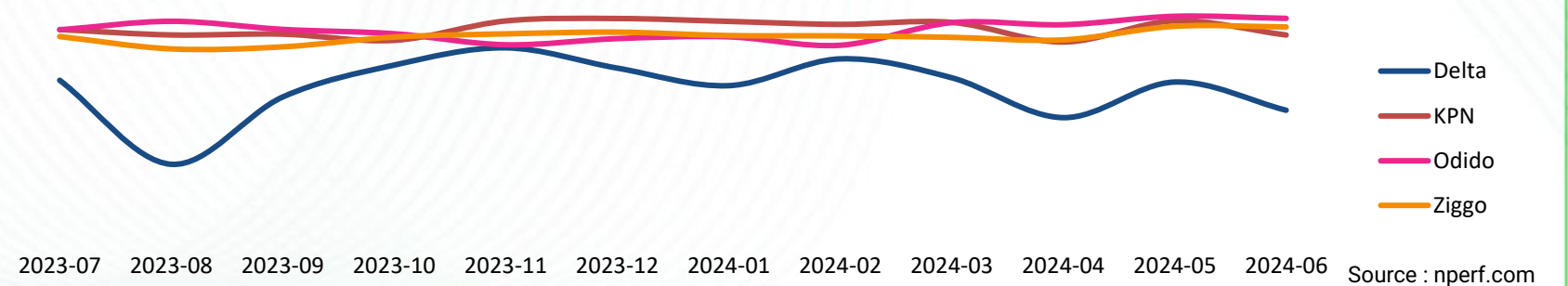
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

Browsing performance rate (average) evolution over the year



Source : nperf.com



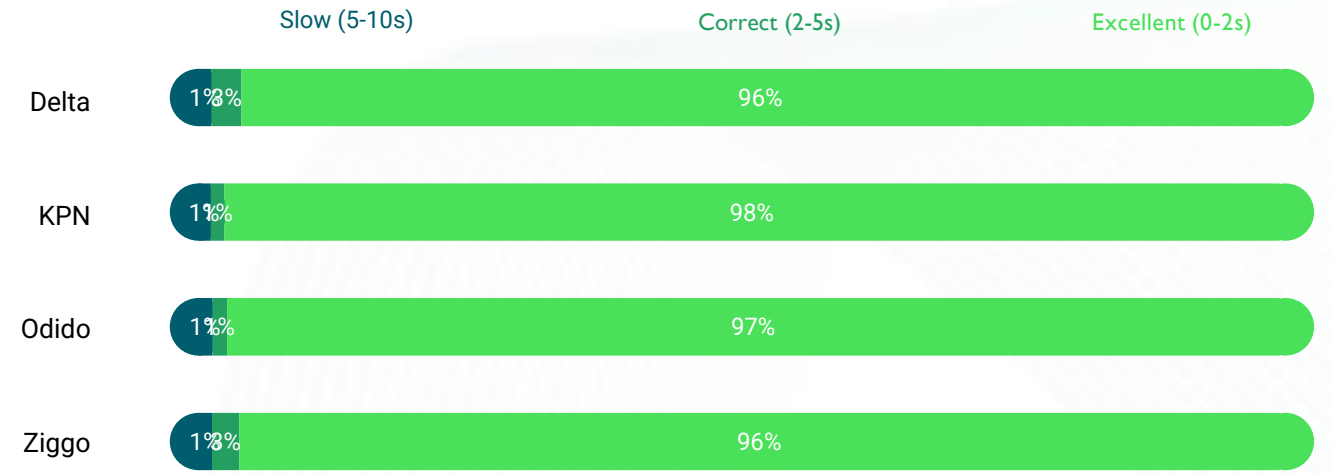
Streaming Performance rate (average)



Source : nperf.com

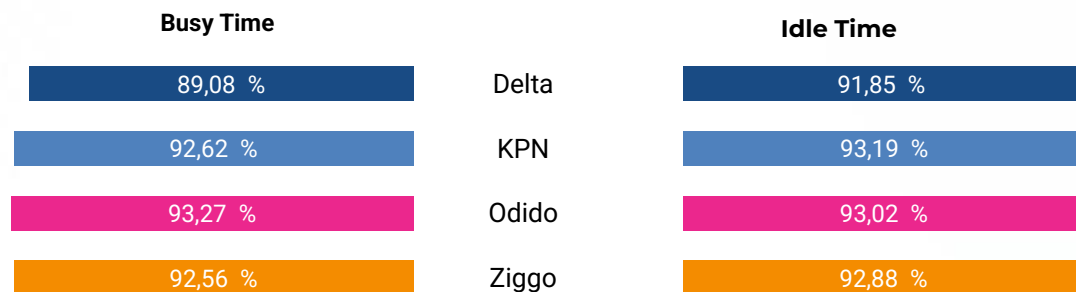
The subscribers of KPN, Odido and Ziggo enjoyed the best mobile Internet streaming performance in 2024.

Streaming Performance results ventilation (average)



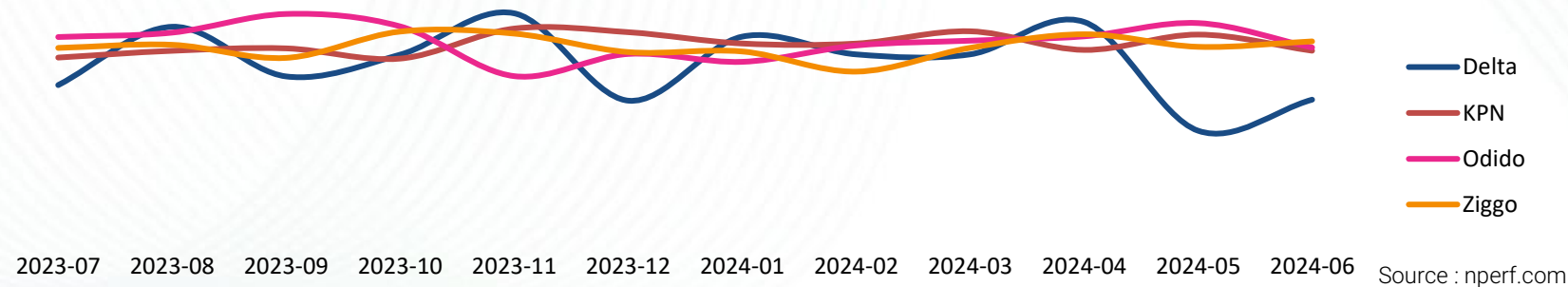
Source : nperf.com

Streaming Performance rate (average)



Source : nperf.com

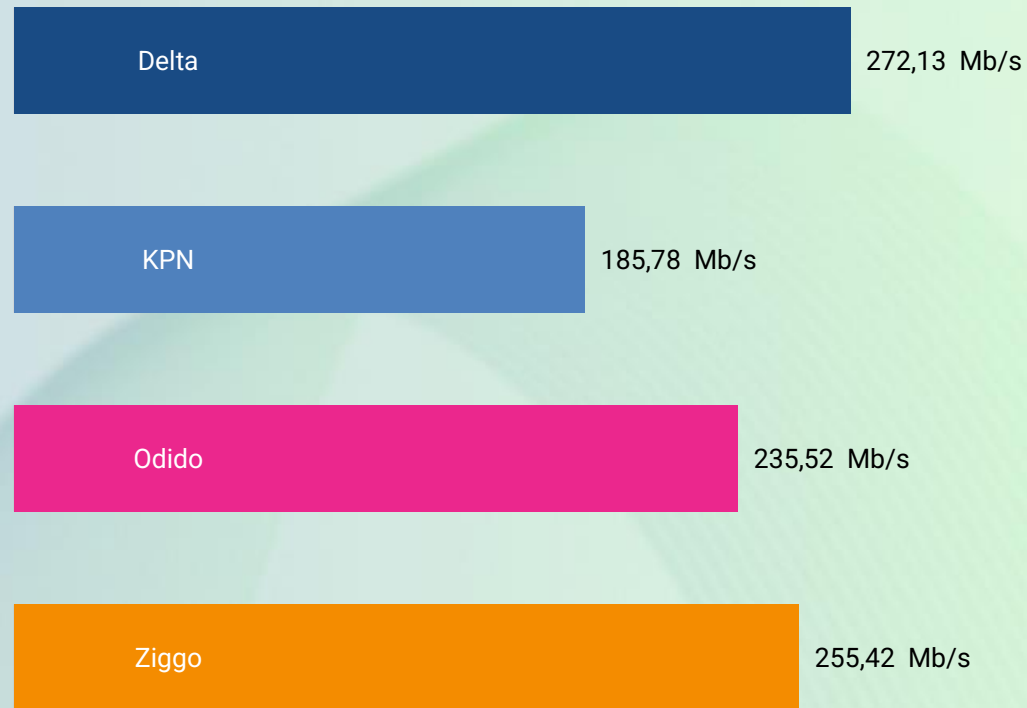
Streaming performance rate (average) evolution over the year



Source : nperf.com



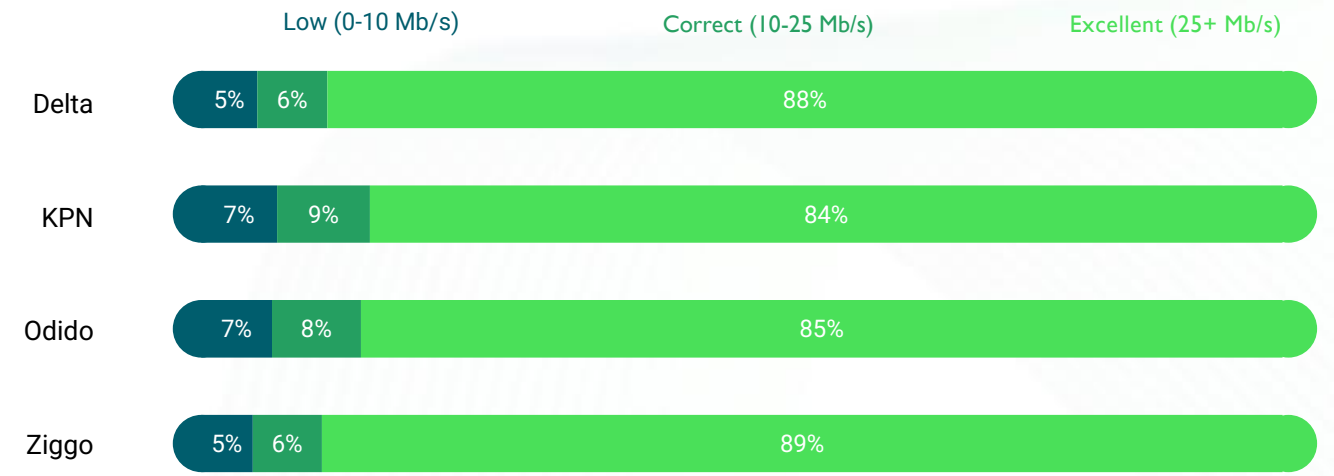
Download Speed (average)



Source : nperf.com

The subscribers of Delta enjoyed the best average mobile Internet download speed in 2024.

Download Speed results ventilation (average)



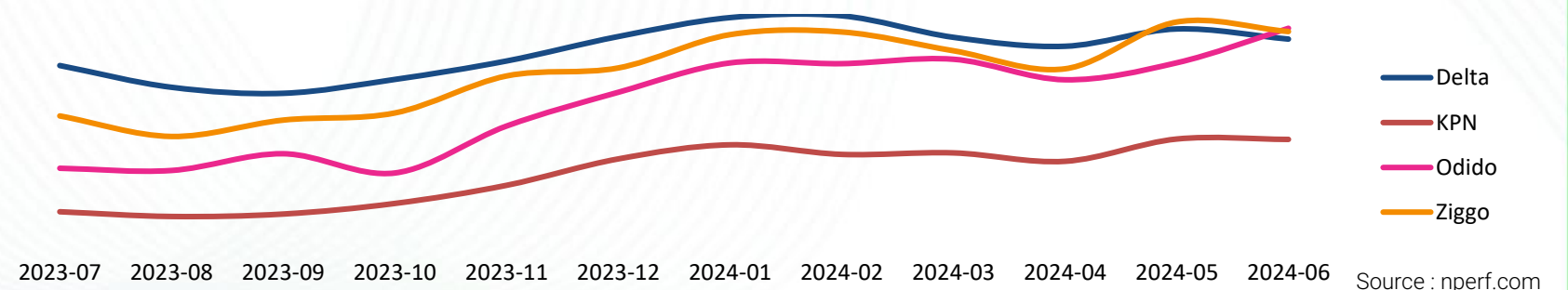
Source : nperf.com

Download Speed (average)



Source : nperf.com

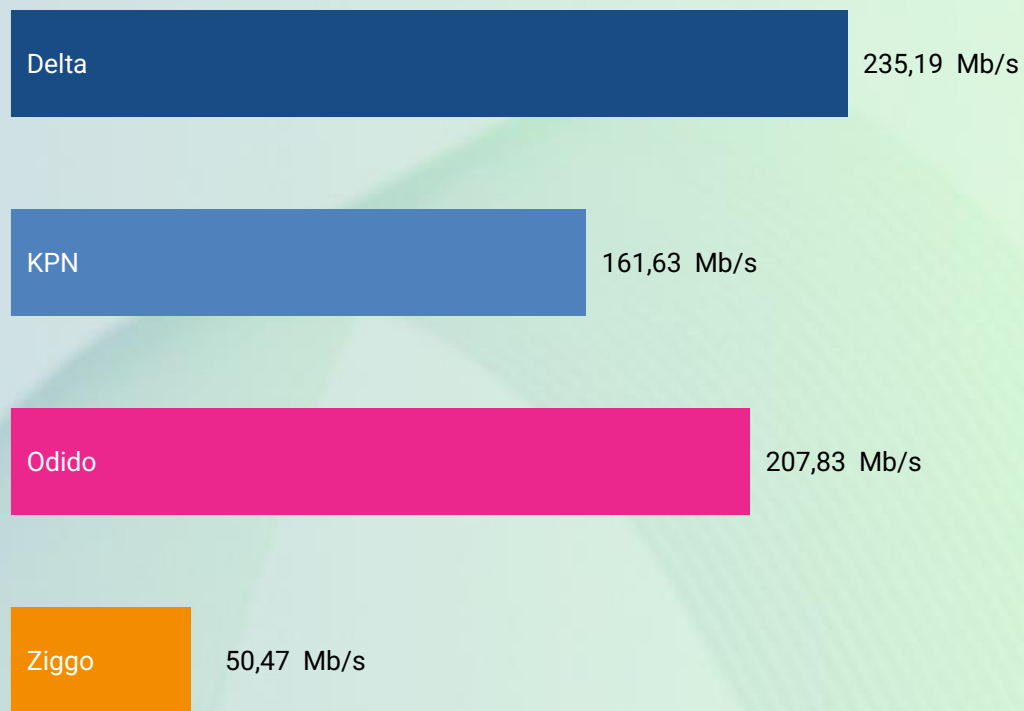
Download Speed evolution over the year (average)



Source : nperf.com



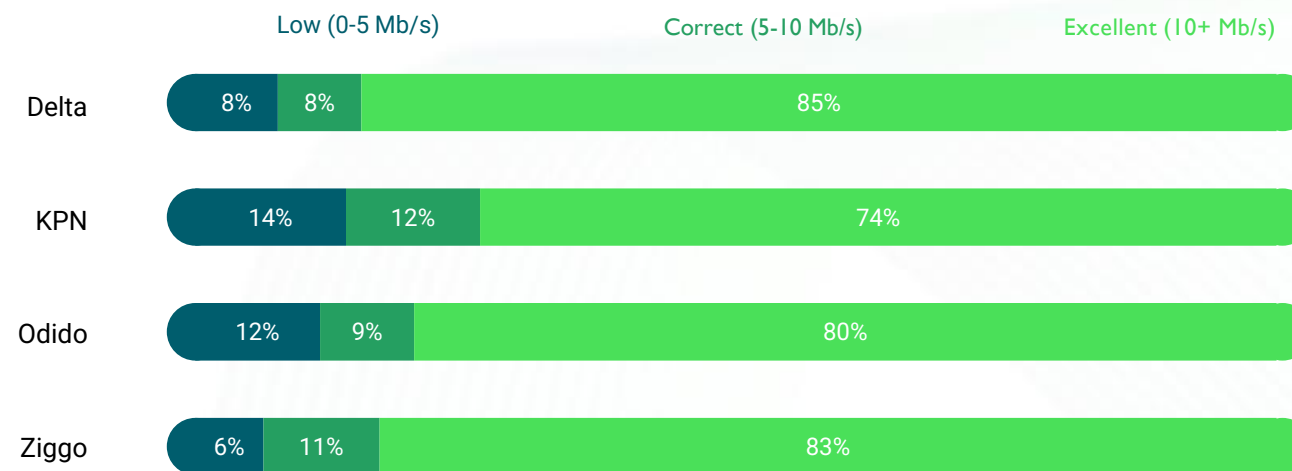
Upload Speed (average)



Source : nperf.com

The subscribers of Delta enjoyed the best average mobile Internet upload speed in 2024.

Upload Speed results ventilation (average)



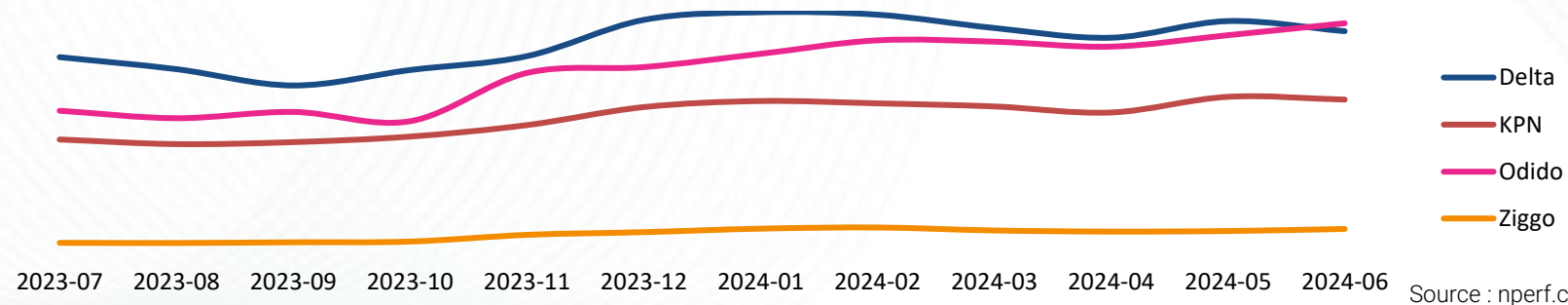
Source : nperf.com

Upload Speed (average)



Source : nperf.com

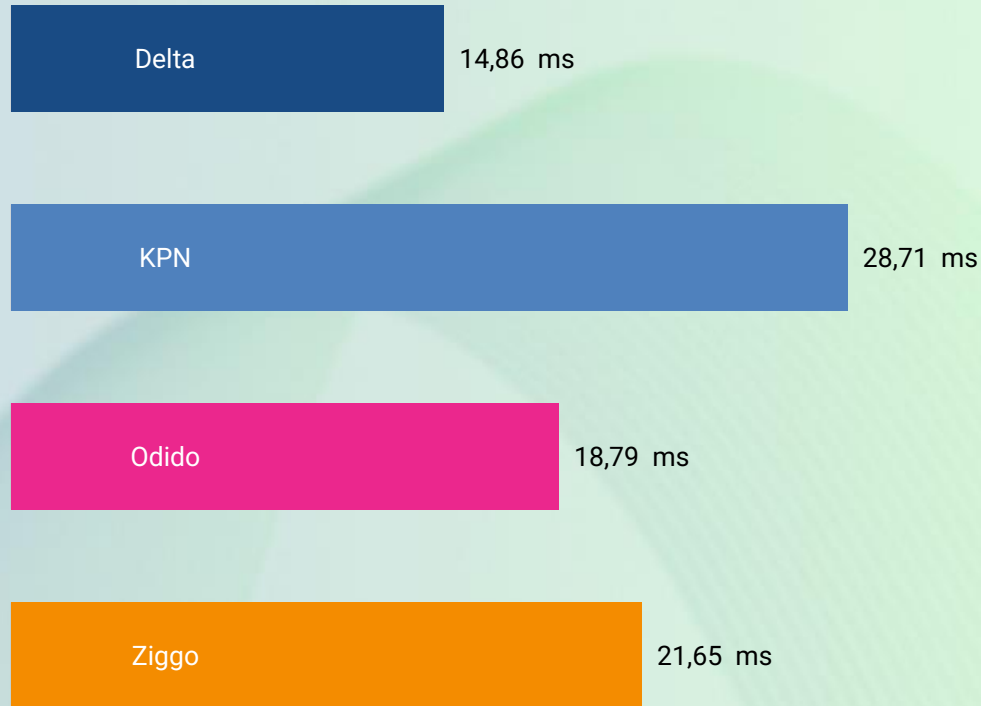
Upload Speed evolution over the year (average)



Source : nperf.com



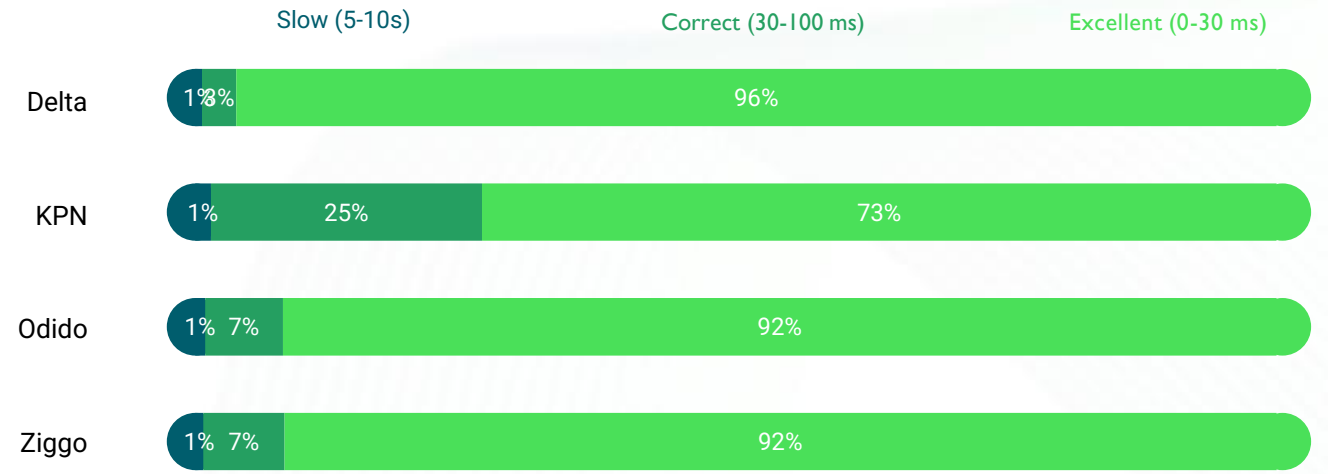
Latency Speed (average)



Source : nperf.com

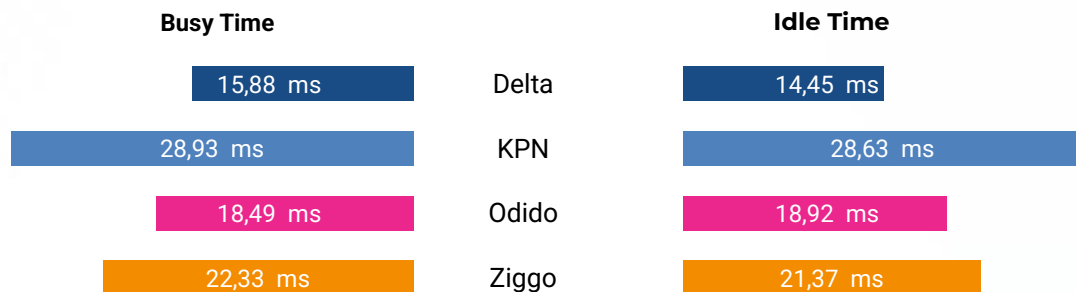
The subscribers of Delta enjoyed the best average mobile Internet latency speed in 2024.

Latency Speed results ventilation (average)



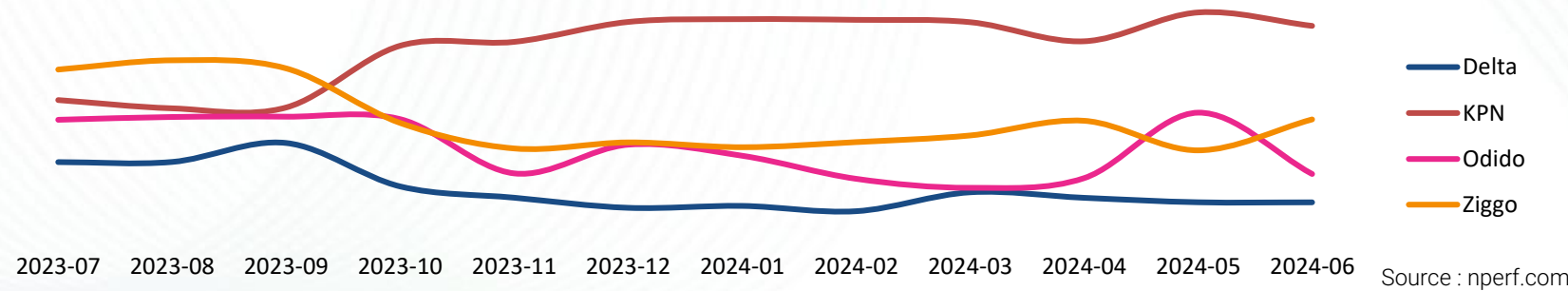
Source : nperf.com

Latency Speed (average)



Source : nperf.com

Latency Speed evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Delta and Odido enjoyed the best fixed Internet performances in Netherlands during 2024.

The nPerf score takes into account the measured bitrates, the latency and the QoE tests.

The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.

Thus, this score reflects the overall quality of the connection experienced by the user.

Source : nperf.com

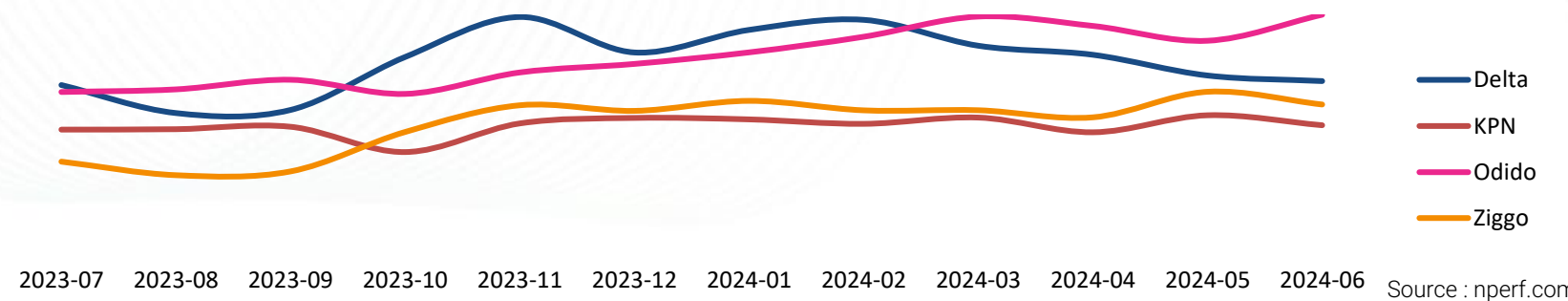


Best fixed Internet performance in 2023



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com



We qualify your connection