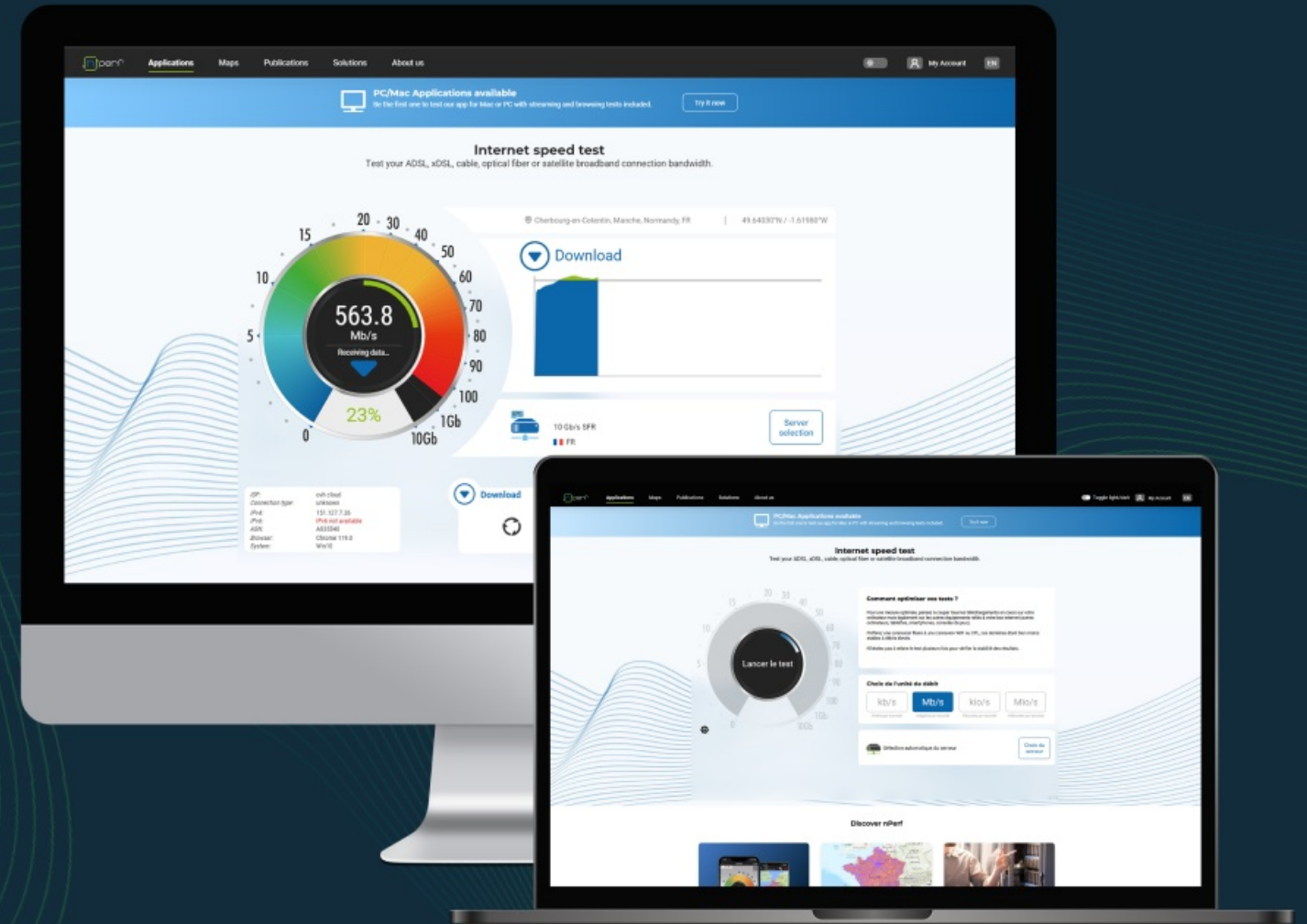


February 9, 2024



Barometer of fixed Internet Connections in the Czech Republic.

01/01/2023 - 31/12/2023



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nPerf**

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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 Nej enjoyed the best broadband performances in the Czech Republic during 2023.

Fixed Internet connections in the Czech Republic

	Nej	Nordic Telecom	O2	Starnet	T-Mobile	Vodafone
▼ Download bitrates (Mb/s)	125.75	51.70	62.44	77.76	93.29	142.21
▲ Upload bitrates (Mb/s)	96.77	21.96	27.66	62.35	58.69	30.17
◀▶ Latency (ms)	15.33	26.30	26.12	19.81	29.39	22.39

nPerf Score (nPoints)	150 346	115 219	120 131	135 153	130 082	136 704
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Source : nperf.com



Best fixed Internet performance
in 2023



Source : nperf.com



Source : nperf.com

3. Analysis



In the Czech Republic, each telecom operator not only offers unique connectivity solutions but also contributes to the nation's rapidly evolving digital narrative. With their scores reflecting their service quality.

Nej: the telecom market leader

Nej.cz is not just leading; it's defining the pace of digital evolution in the Czech Republic with download speeds that peak at 126 Mb/s and upload speeds reaching a remarkable 97 Mb/s. This ISP is the go-to for those who refuse to compromise on speed and reliability, ensuring that every digital interaction is seamless. With an impressive nPerf score of 150,346, Nej.cz's commitment to excellence is undeniable.

Vodafone: the download speed champion

Vodafone Czech Republic delivers balanced connectivity with an impressive download speeds of 142 Mb/s and upload speeds of 30 Mb/s, suitable for a variety of online needs. With an nPerf score of 136,704, Vodafone demonstrates its dedication to quality and innovation.

Starnet: balanced performances

With download speeds reaching 78 Mb/s and upload speeds at 62 Mb/s, Starnet caters to a diverse user base, from avid gamers to digital businesses. Its nPerf score of 135,153 is a testament to its robust and high-quality service

T-Mobile: a robust competitor

T-Mobile Czech Republic shines with download speeds of 93 Mb/s and upload speeds of 59 Mb/s, facilitating a spectrum of digital activities. The nPerf score of 130,082 underscores its mission to provide top-tier connectivity.

O2: a steady contender

O2 Czech Republic, with its rich legacy in the telecom sector, provides dependable download speeds of 62 Mb/s and upload speeds of 28 Mb/s. Its nPerf score of 120,131 reflects a qualitative service with room for performance enhancement on download and upload speed.

Nordic Telecom: room for improvement

Nordic Telecom offers download speeds of 52 Mb/s and upload speeds of 22 Mb/s, far from its main competitors performances. However, with an average latency of 26ms, Nordic Telecom shows a reliable and efficient network service performance.

4. Methodology



nPerf provides a **free tool 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.

For fixed connections, 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 from the nPerf server. The highest the measured value, the best is the bitrate of your connection.

◀▶ Latency (ping) :

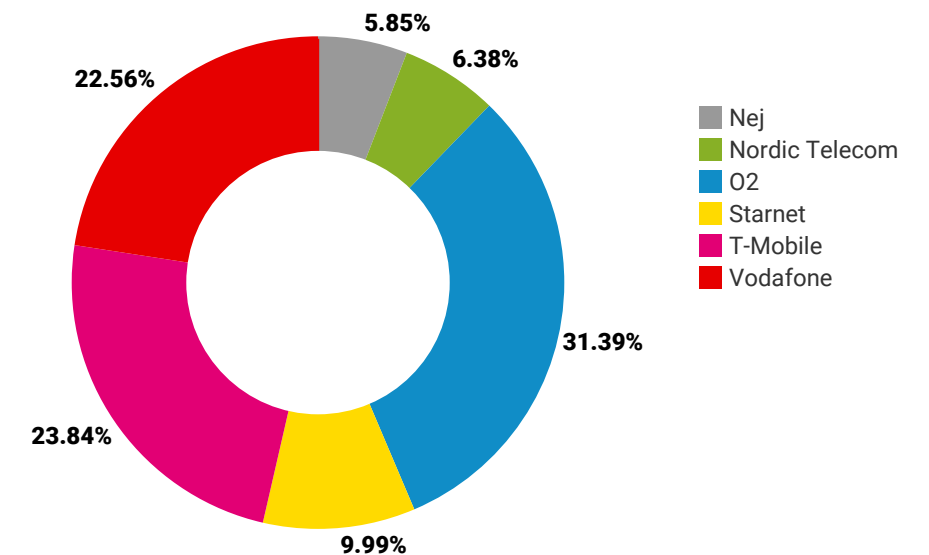
It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The main is the minimum value.

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 3 % precision for absolute values and 1 point for percentage-based results, 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.

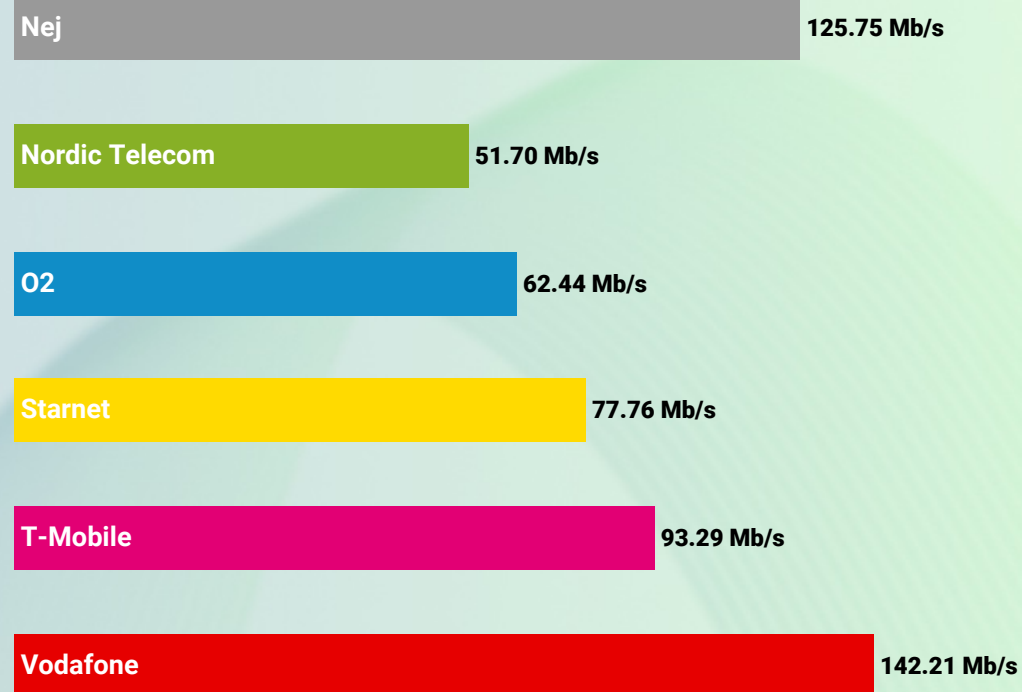
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



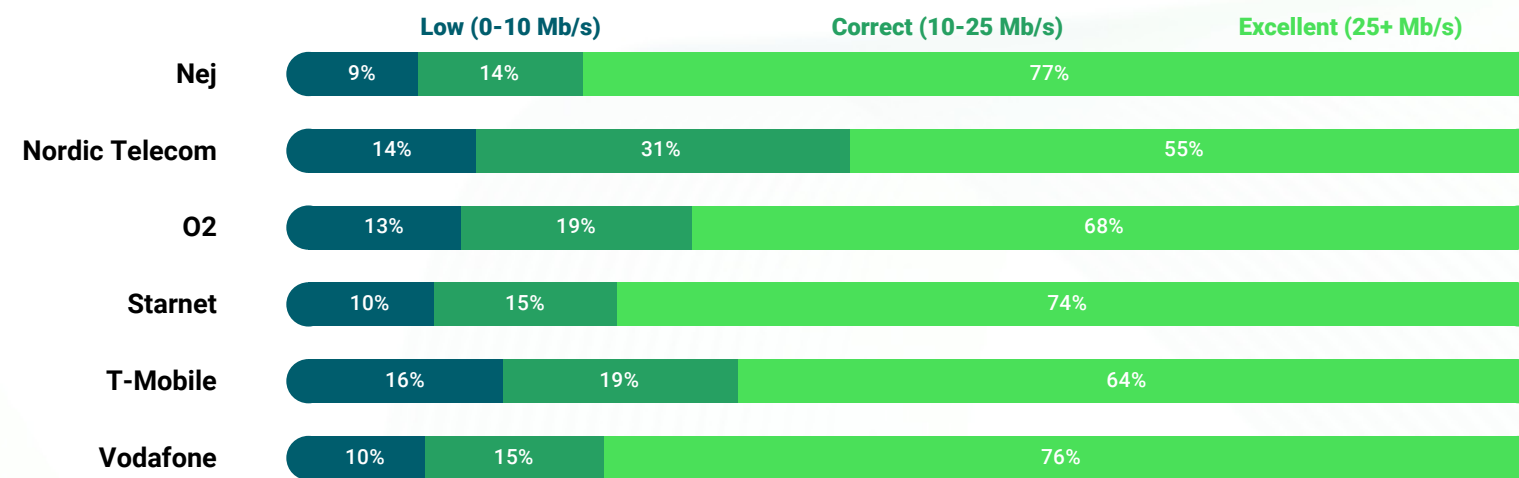
Download Speed (average)



Source : nperf.com

The subscribers of Vodafone enjoyed the best average broadband download speed in 2023.

Download Speed results ventilation (average)



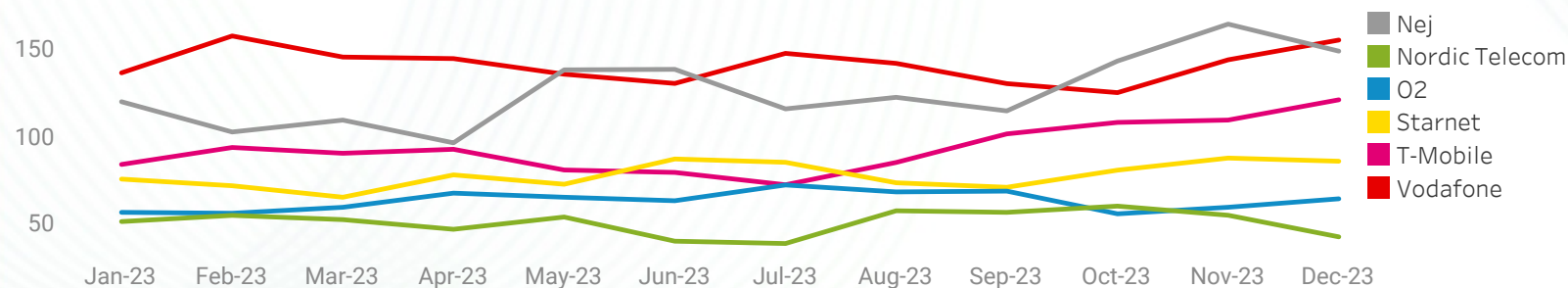
Source : nperf.com

Download Speed (average)



Source : nperf.com

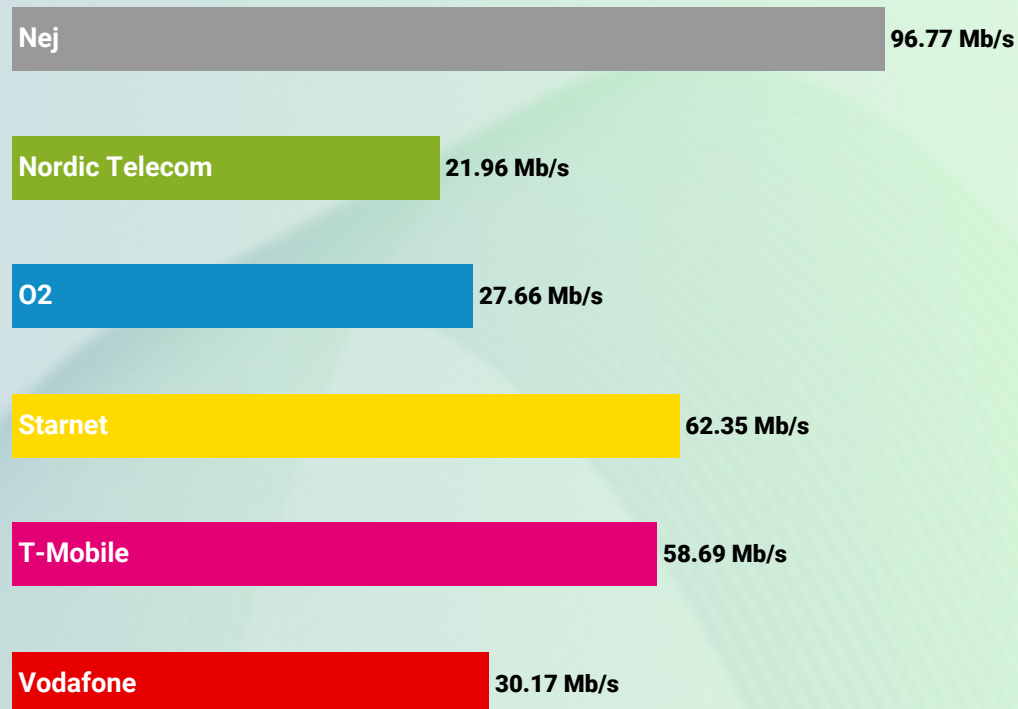
Download Speed evolution over the year (average)



Source : nperf.com



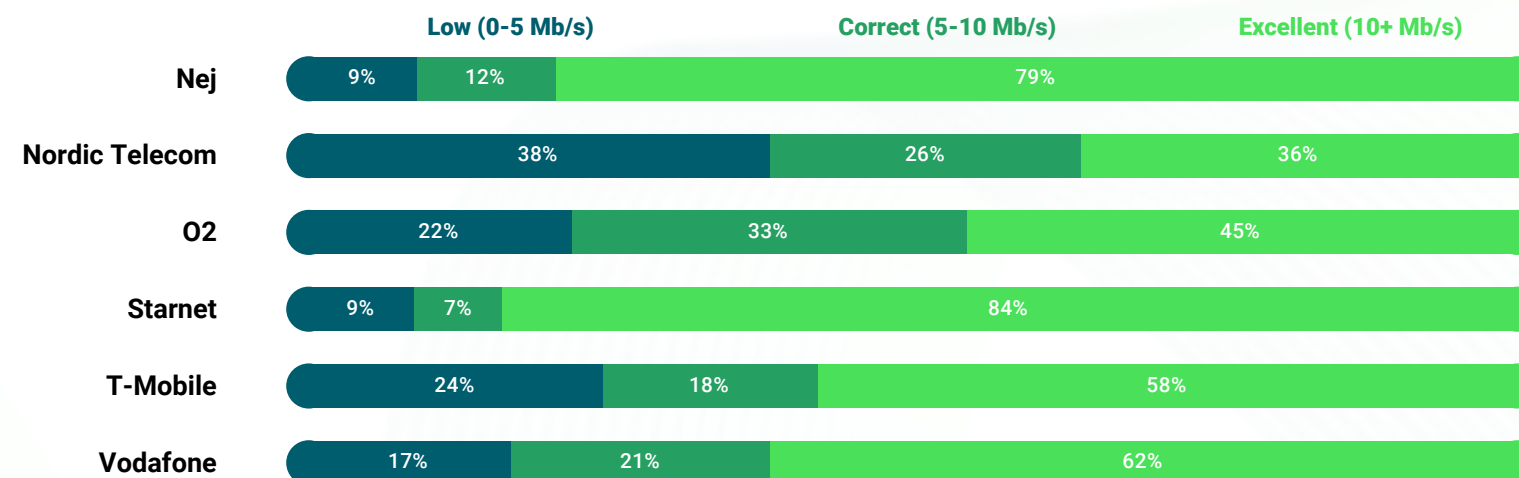
Upload Speed (average)



Source : nperf.com

The subscribers of Nej enjoyed the best average broadband upload speed in 2023.

Upload Speed results ventilation (average)



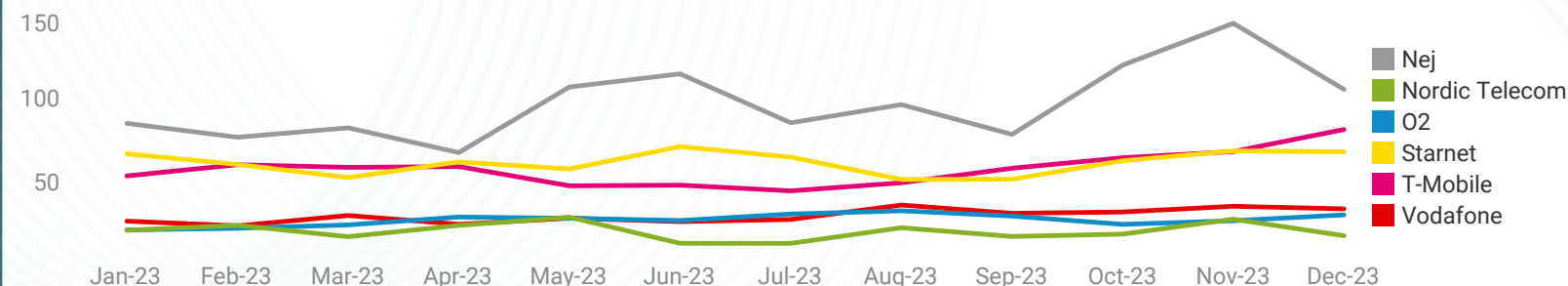
Source : nperf.com

Upload Speed (average)



Source : nperf.com

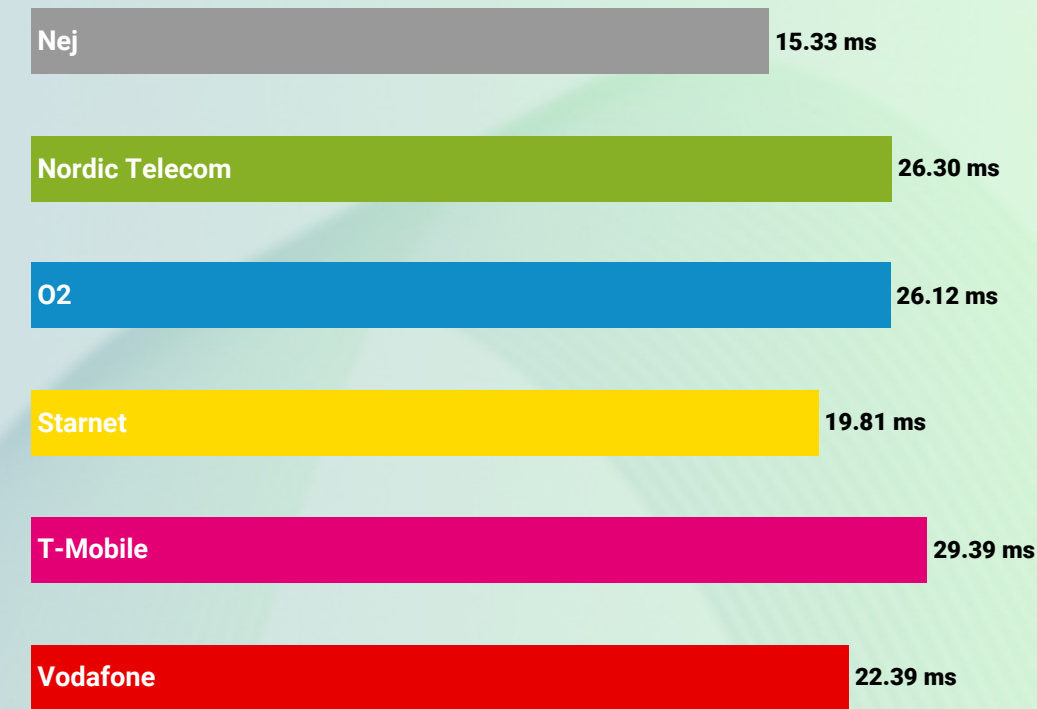
Upload Speed evolution over the year (average)



Source : nperf.com



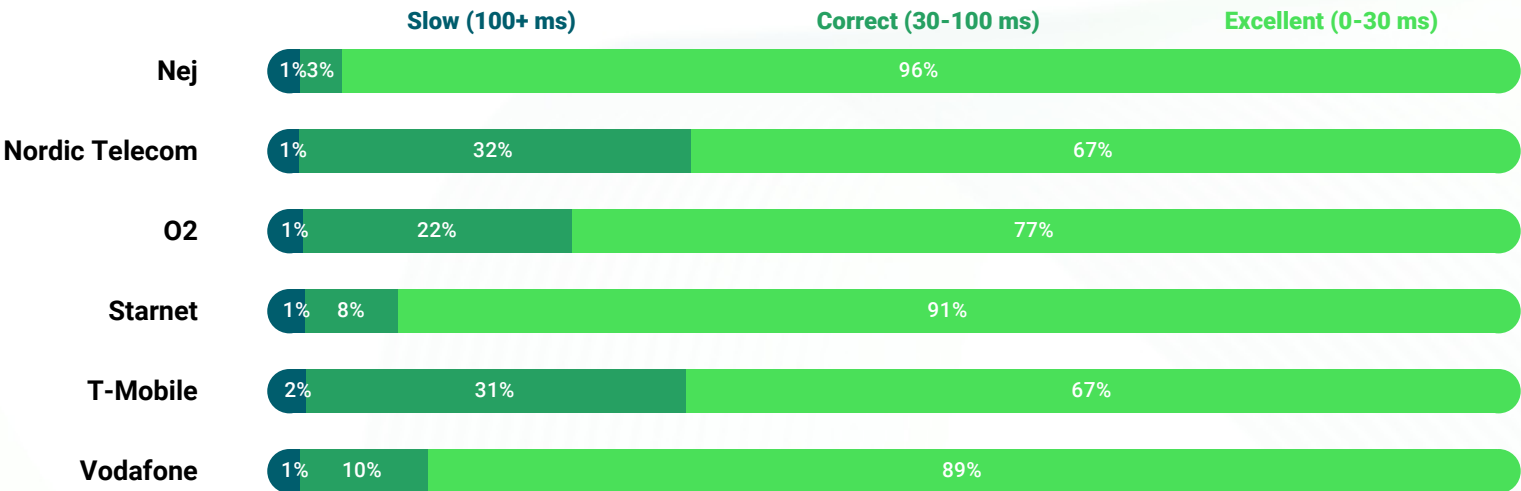
Latency Speed (average)



Source : nperf.com

The subscribers of Nej enjoyed the best average broadband latency in 2023.

Latency Speed results ventilation (average)



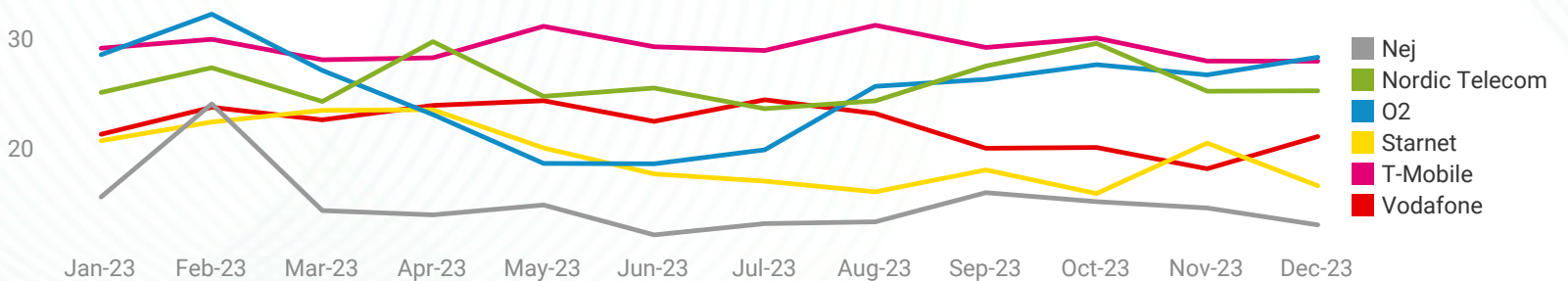
Source : nperf.com

Latency Speed (average)



Source : nperf.com

Average latency Speed evolution over the year

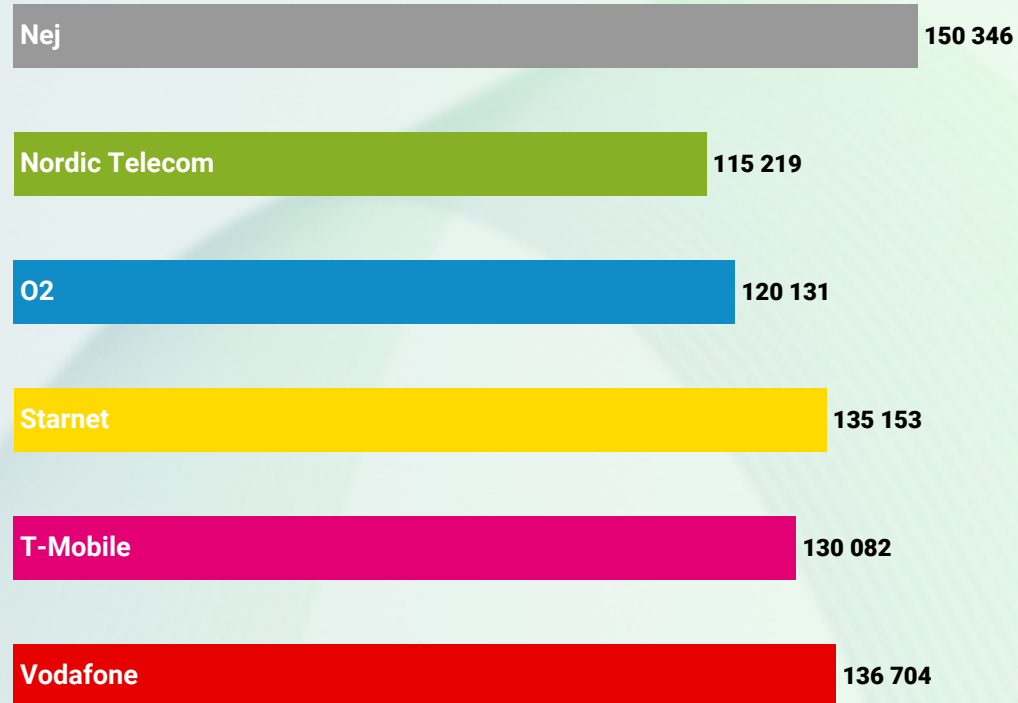


Source : nperf.com

Fixed Internet performance in the Czech Republic



nPerf Score (nPoints)



Source : nperf.com

The subscribers of Nej enjoyed the best broadband performances in the Czech Republic during 2023.

The nperf score takes into account the measured bitrates and the latency. 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.

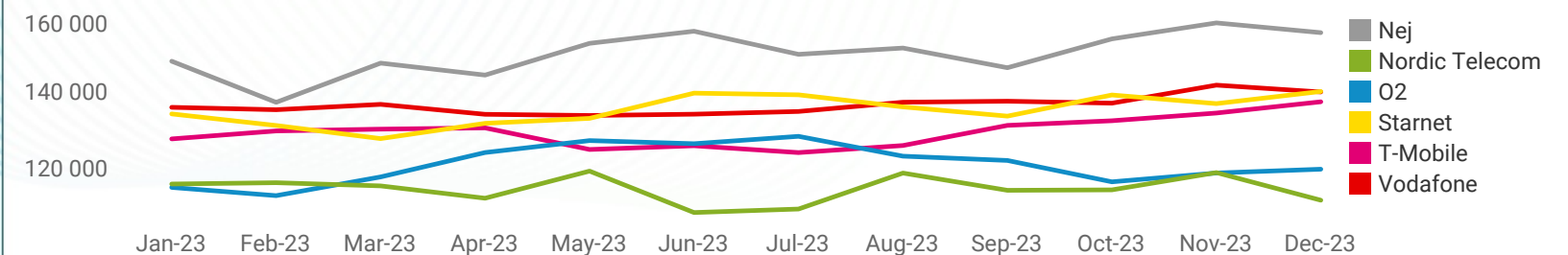
Source : nperf.com

Best fixed Internet performance
in 2023



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

