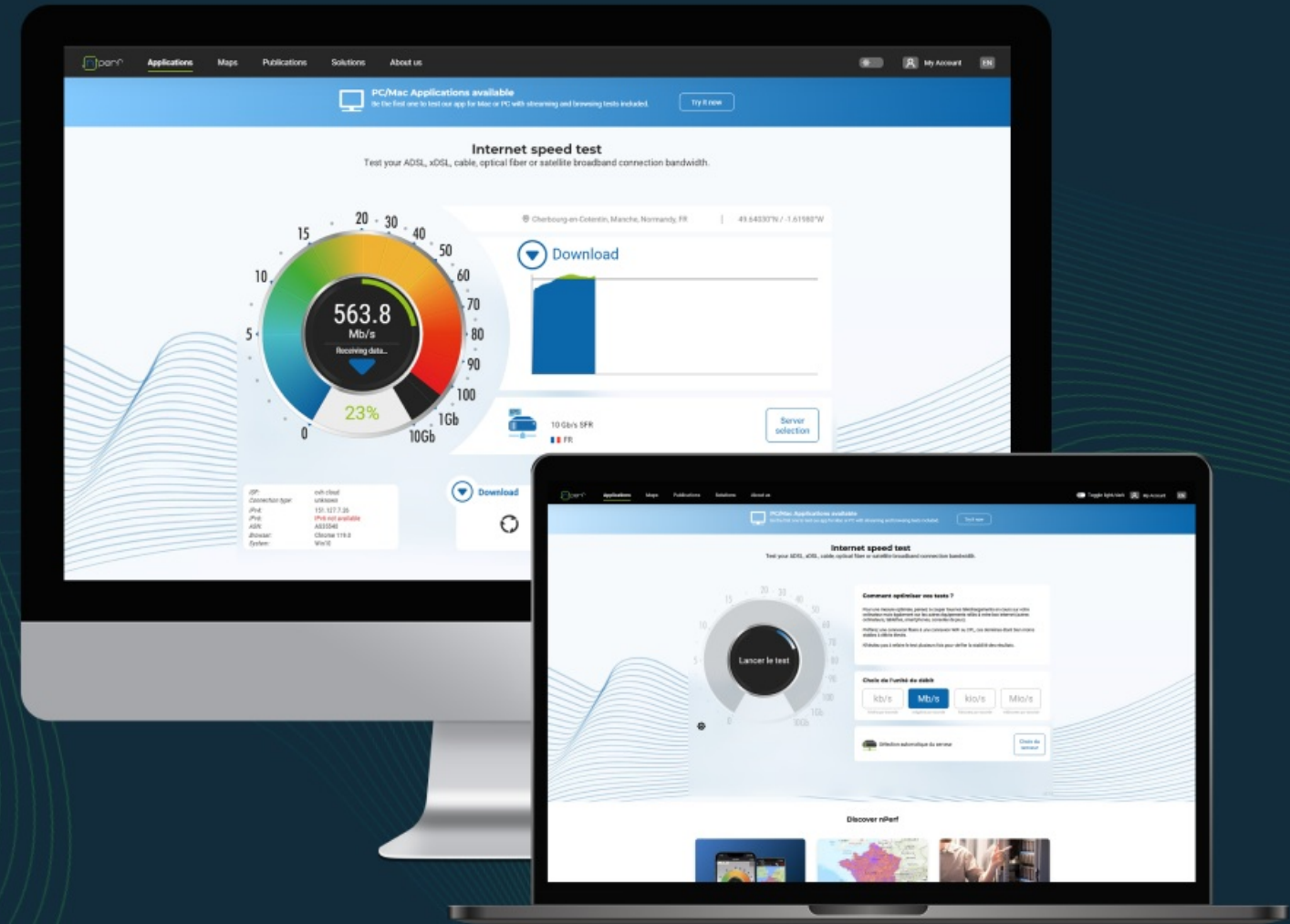
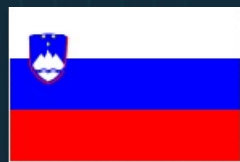




Barometer of fixed Internet Connections in Slovenia.

01/01/2023 - 31/12/2023



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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.

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 **26Md+** coverage scans in total.

 **3k+** servers all around the world.

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2. Executive Summary



The subscribers of T-2 enjoyed the best broadband performances in Slovenia during 2023.

Fixed Internet connections in Slovenia

	A1	T-2	Telekom	Telemach
▼ Download bitrates (Mb/s)	124.22	185.47	110.56	156.23
▲ Upload bitrates (Mb/s)	39.42	61.66	43.70	47.20
◀▶ Latency (ms)	17.44	15.18	20.29	20.75
nPerf Score (nPoints)	141 092	153 059	137 470	143 109

Source : nperf.com



Best fixed Internet performance in 2023



Source : nperf.com



Source : nperf.com

In the competitive domain of fixed broadband services, the assessment of ISPs through nPerf scores and key performance metrics is pivotal for gauging service quality. This report delves into Slovenia's broadband sector, examining ISPs on the fronts of download and upload speeds, latency, and overall user experience as mirrored by nPerf scores.

T-2 dominates with unmatched performance

T-2 emerges as the standout leader in Slovenia's fixed broadband market, boasting an impressive download speed of 185.47 Mb/s and an upload speed of 61.66 Mb/s. Its remarkable low latency of 15.18 ms further enhances user experiences in browsing and streaming, culminating in a high nPerf score of 153,059 nPoints.

Telemach a strong contender

Telemach boasted a download speed of 156.23 Mb/s and an upload speed of 47.2 Mb/s. Despite a slightly higher latency of 20.75 ms, it achieves an nPerf score of 143,109 nPoints, indicating a robust service capable of delivering high-quality browsing and streaming experiences.

A1: steady performance

A1 holds its ground with a commendable download speed of 124.22 Mb/s and an upload speed of 39.42 Mb/s. Its latency stands at 17.44 ms, contributing to an nPerf score of 141,092 nPoints and highlighting a reliable and efficient broadband service.

Telekom: room for improvement

Telekom offers a download speed of 110.56 Mb/s and an upload speed of 43.7 Mb/s. A latency of 20.29 ms results in an nPerf score of 137,470 nPoints, showcasing a commendable performance with room for improvement, especially on the upload speed.

Conclusion: T-2 Sets the Benchmark

T-2 unmistakably leads the charge in Slovenia's fixed broadband landscape, distinguished by its superior download and upload speeds coupled with an exceptional nPerf score. Close behind, Telemach, A1, and Telekom each present their strengths, offering consumers a variety of choices based on speed, latency, and overall 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) :

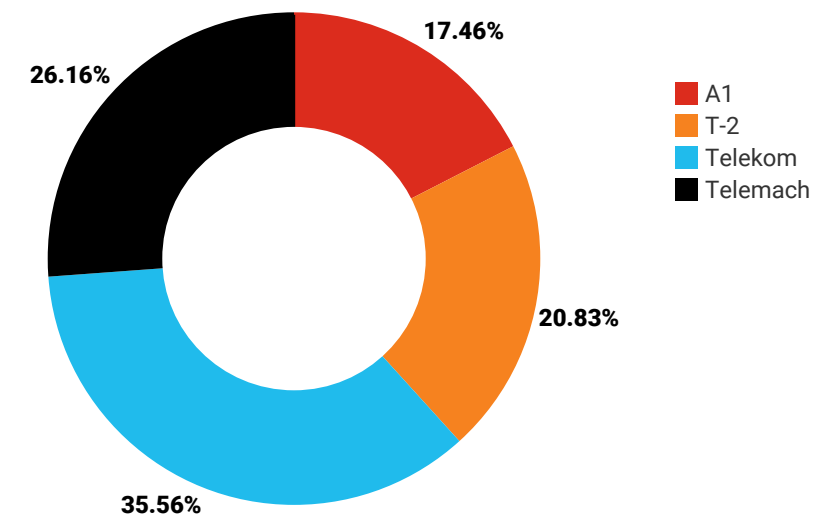
It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The main is the minimum value.

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.

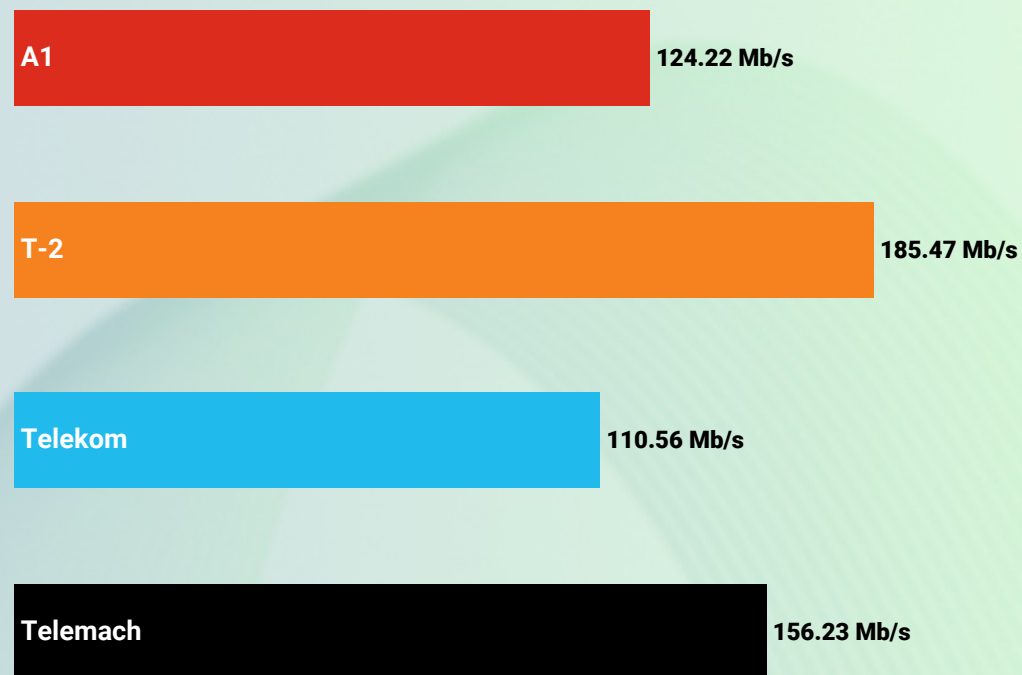
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



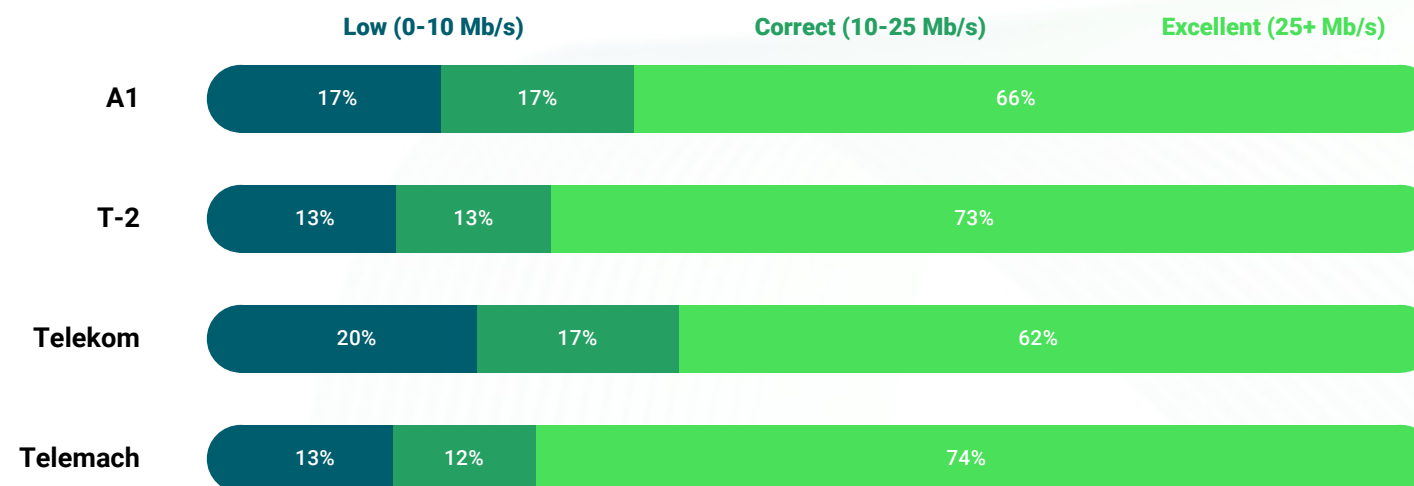
Download Speed (average)



Source : nperf.com

The subscribers of T-2 enjoyed the best average broadband download speed in 2023.

Download Speed results ventilation (average)



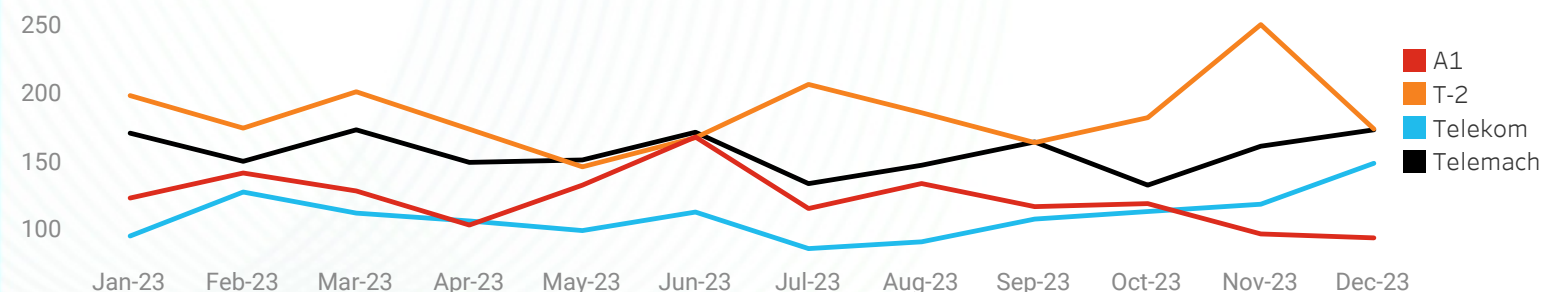
Source : nperf.com

Download Speed (average)



Source : nperf.com

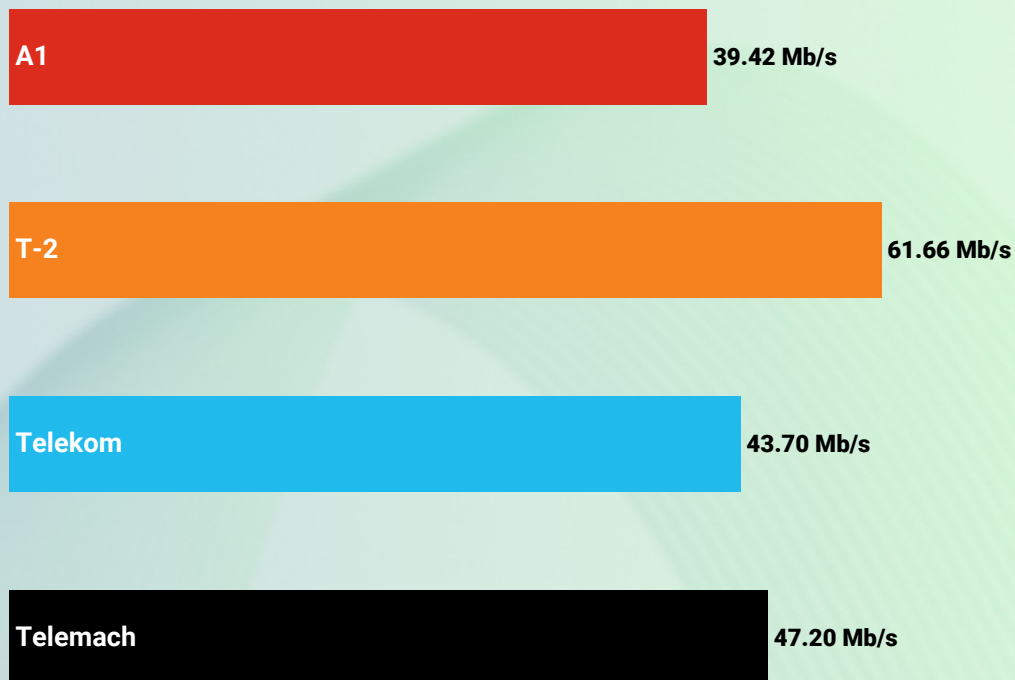
Download Speed evolution over the year (average)



Source : nperf.com



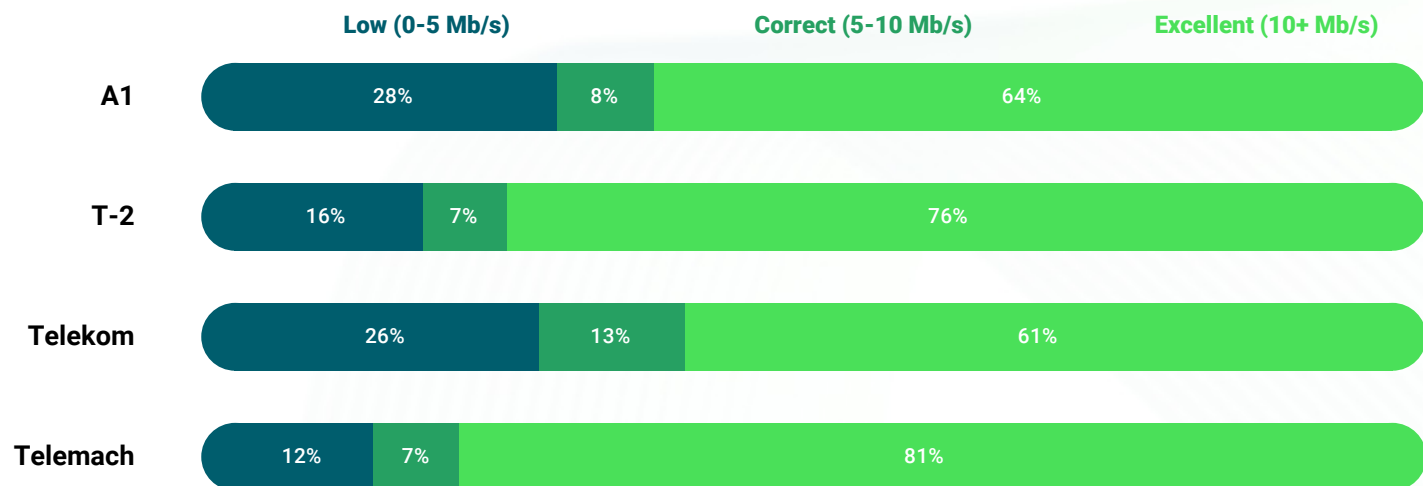
Upload Speed (average)



Source : nperf.com

The subscribers of T-2 enjoyed the best average broadband upload speed in 2023.

Upload Speed results ventilation (average)



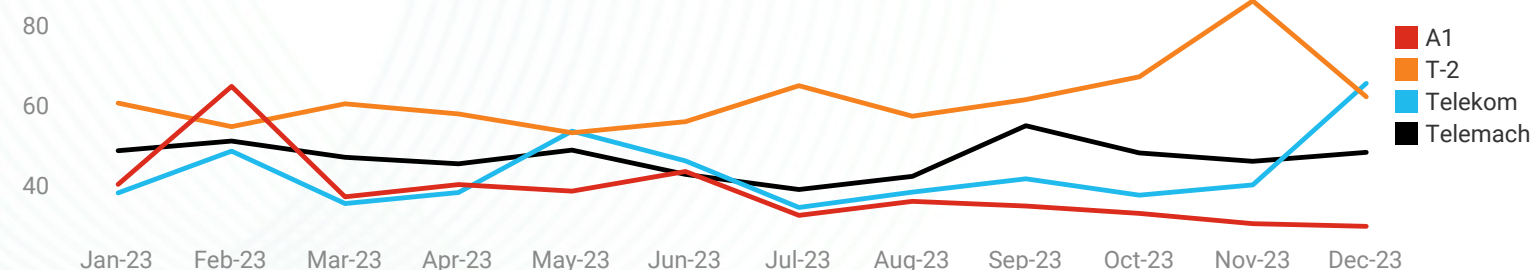
Source : nperf.com

Upload Speed (average)



Source : nperf.com

Upload Speed evolution over the year (average)



Source : nperf.com



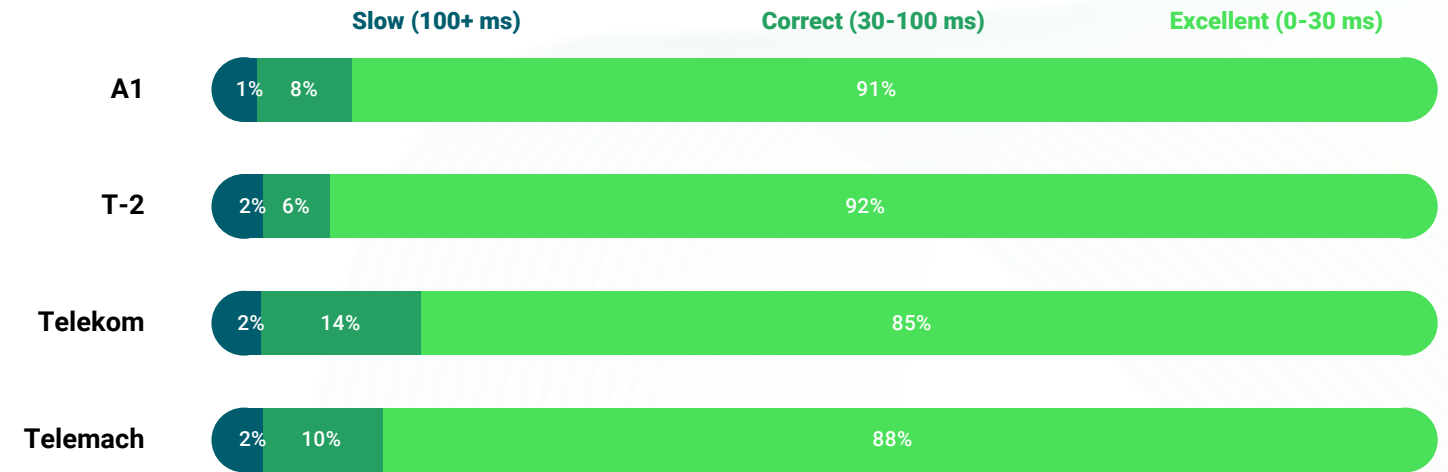
Latency Speed (average)



Source : nperf.com

The subscribers of T-2 enjoyed the best average broadband latency in 2023.

Latency Speed results ventilation (average)



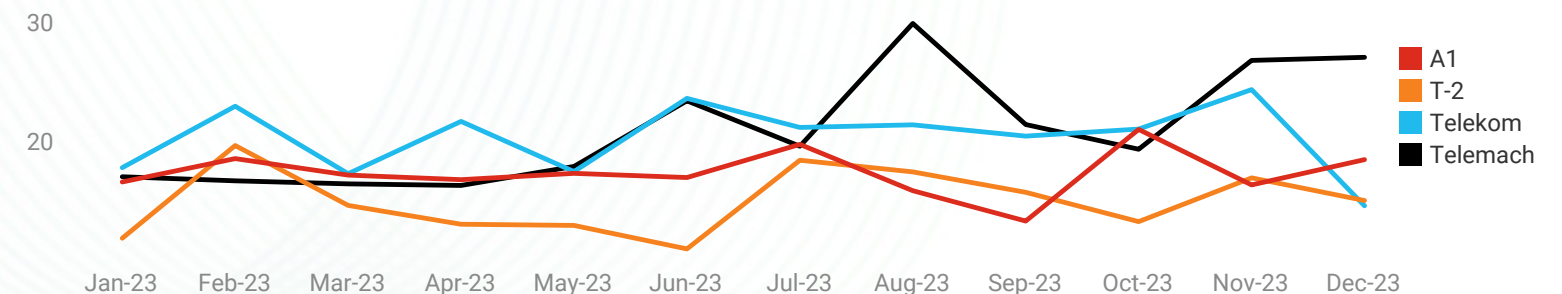
Source : nperf.com

Latency Speed (average)



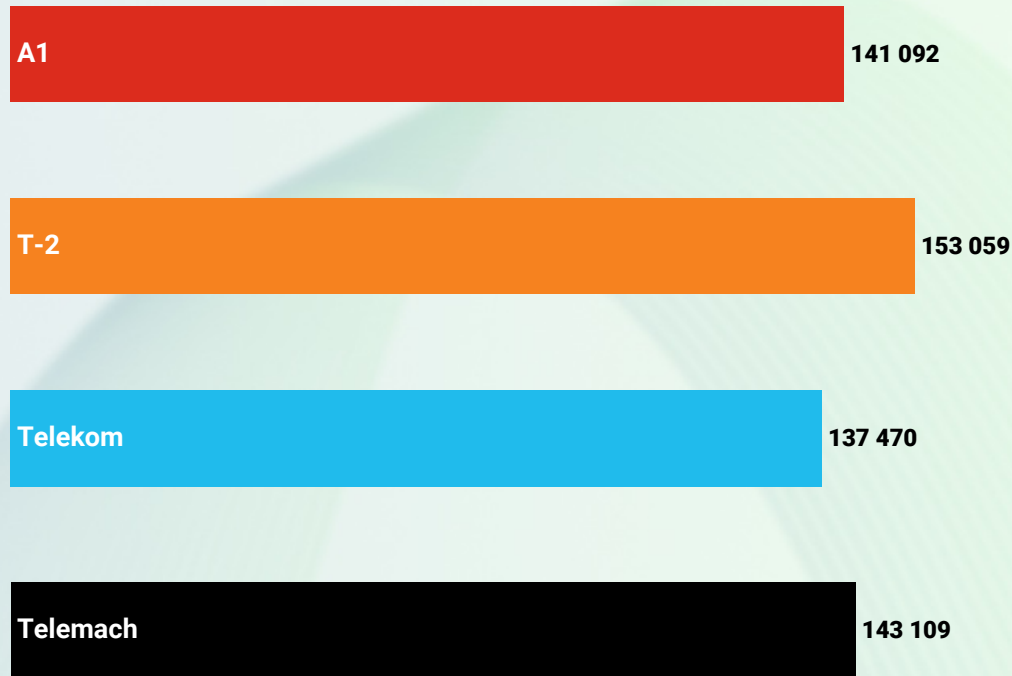
Source : nperf.com

Average latency Speed evolution over the year



Source : nperf.com

nPerf Score (nPoints)



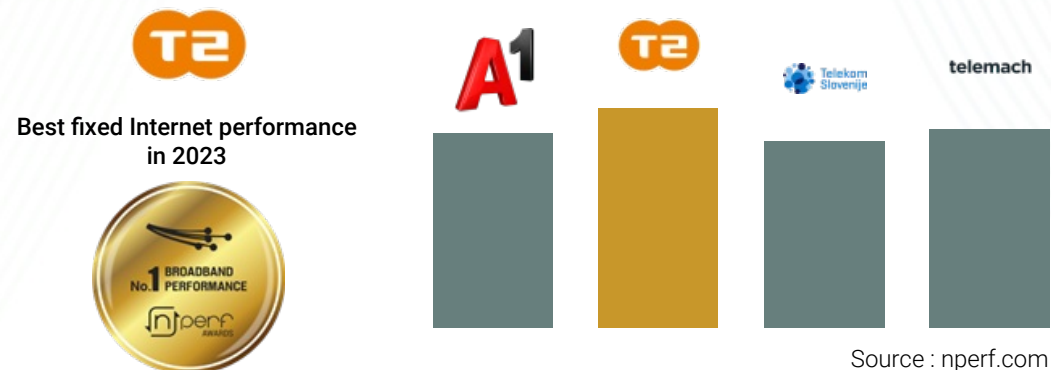
Source : nperf.com

The subscribers of T-2 enjoyed the best broadband performances in Slovenia during 2023.

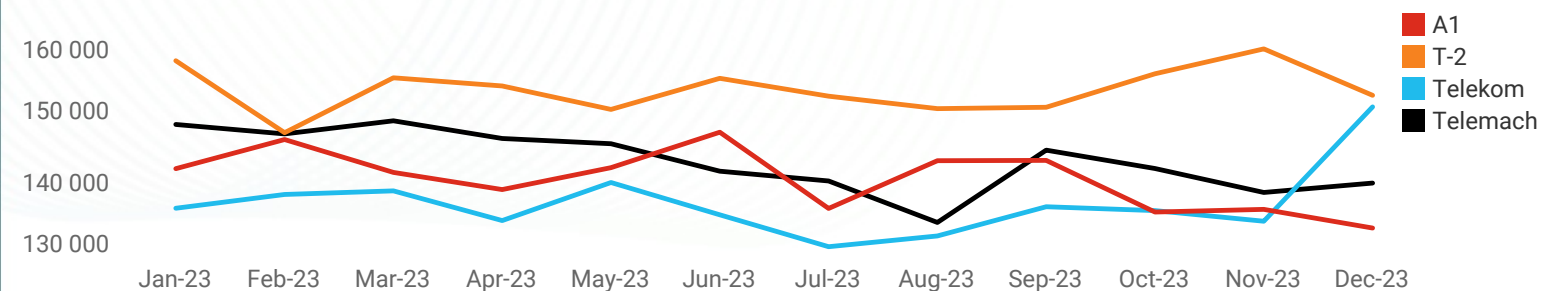
The nperf score takes into account the measured bitrates and the latency. The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.

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

Source : nperf.com



nPerf score evolution over the year (average)



Source : nperf.com



We qualify your connection