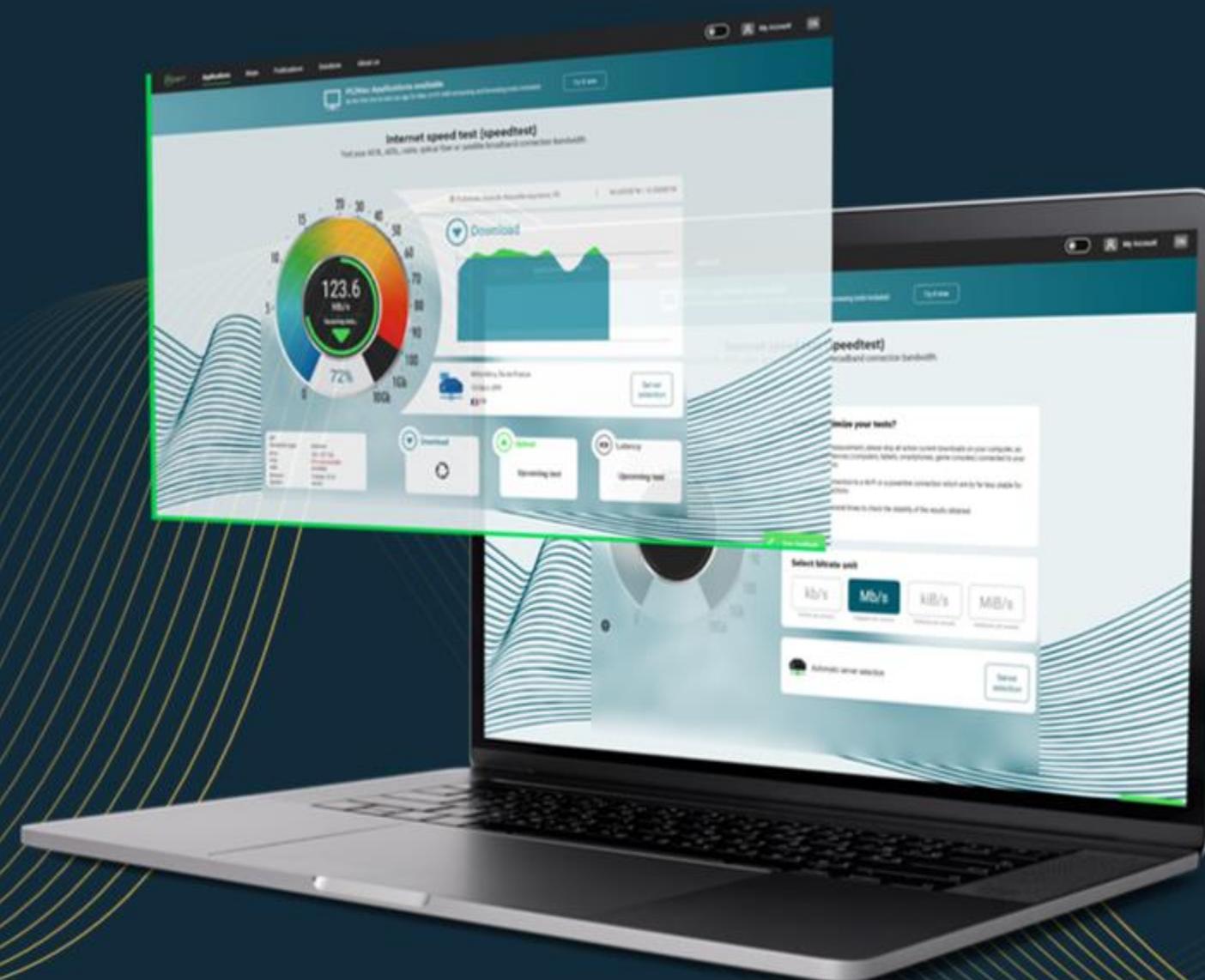


Barometer of fixed Internet connections in Lithuania

01/01/2024 - 12/31/2024



1

**Introducing
nPerf**

2

**Executive
summary**

3

Analysis

4

Methodology

5

**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.

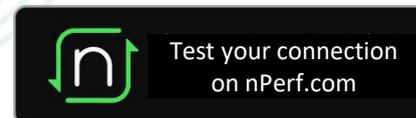
 **300k+** tests daily worldwide.

 **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 Telia enjoyed the best fixed Internet performances in 2024.

Fixed Internet connections in Lithuania

| | Tele2 | Telia |
|----------------------------|--------|---------|
| ▼ Download bitrates (Mb/s) | 79,91 | 149,02 |
| ▲ Upload bitrates (Mb/s) | 16,66 | 87,33 |
| ◀▶ Latency (ms) | 76,09 | 52,01 |
| 🌐 Web browsing (%) | 71,85 | 78,32 |
| 📺 Youtube streaming (%) | 83,62 | 86,41 |
| nPerf Score (nPoints) | 79 726 | 107 439 |

Source : nperf.com



Best fixed Internet performance in 2024



Source : nperf.com

TELE2



Telia



Source : nperf.com

The subscribers of Telia enjoyed the best WIFI Internet performances in Lithuania in 2024.

WIFI Fixed Internet connections in Lithuania

| | Tele2 | Telia |
|--|--------|---------|
|  Download bitrates (Mb/s) | 66,55 | 123,59 |
|  Upload bitrates (Mb/s) | 16,58 | 88,69 |
|  Latency (ms) | 77,67 | 52,49 |
|  Web browsing (%) | 72,69 | 79,06 |
|  Youtube streaming (%) | 83,41 | 86,82 |
|  nPerf Score (nPoints) | 77 586 | 105 740 |

Source : nperf.com

Introduction

The market for fixed-line technology in Lithuania has shown a dynamic landscape in the recent period from Q1 2024 to Q4 2024, with Telia emerging as the market leader. The focus on WiFi technology highlighted Telia's dominance, maintaining its leadership position from the previous year. The analysis indicates that Telia has retained its position as the sole leader in 2024, demonstrating consistent performance across key performance indicators (KPIs) such as download, upload, and latency. The positive trends in WiFi focus and enhanced KPI results underline the strengths of the Lithuanian market.

Telia: Market Leader with Exceptional Performance

For the period analyzed, Telia stands out as the market leader with an impressive Score nPerf. The operator excels in download and upload speed, showing a remarkable improvement in upload speeds exceeding 10%. Telia also leads in latency, browsing, and video streaming, showcasing a comprehensive dominance across all KPIs. In terms of technology focus, Telia is the undisputed leader in WiFi, emphasizing its pioneering role in fixed-line Internet performance in Lithuania.

Tele2: Excellence in Evolution and Market Contribution

Tele2 has demonstrated significant improvement in its overall score, with a notable 10.7% enhancement, reflecting its commitment to advancing its market position. While not the market leader, Tele2 contributes substantially to the market dynamics with competitive scores in browsing and streaming. The operator's efforts in enhancing its service quality are evident in its substantial score improvement,

contributing positively to the competitive environment of the Lithuanian market.

Conclusion

Telia remains the dominant force in the Lithuanian fixed-line Internet market, leading in all major KPIs and maintaining its leadership in WiFi. The market exhibits strong competitive dynamics, with operators like Tele2 showing significant improvement and contributing to the overall positive outlook. The consistent performance and advancements in technology focus areas indicate a robust and competitive market poised for future growth.

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

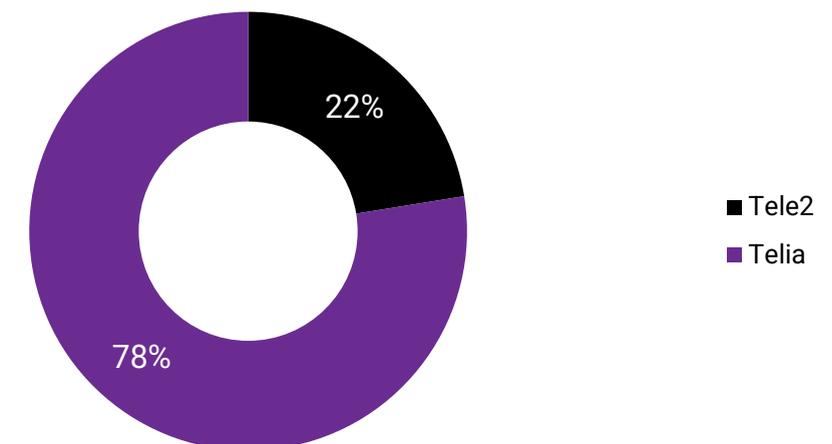
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 3% 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 Telia enjoyed the best fixed Internet browsing performance in 2024.

Browsing Performance results ventilation (average)



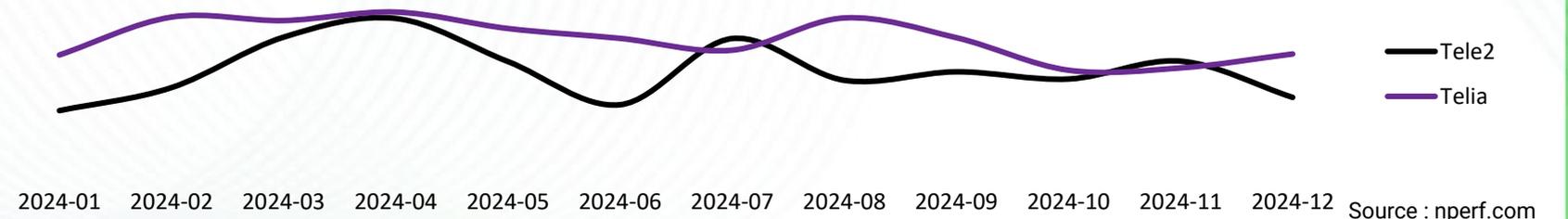
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

Browsing performance rate (average) evolution over the year



Source : nperf.com



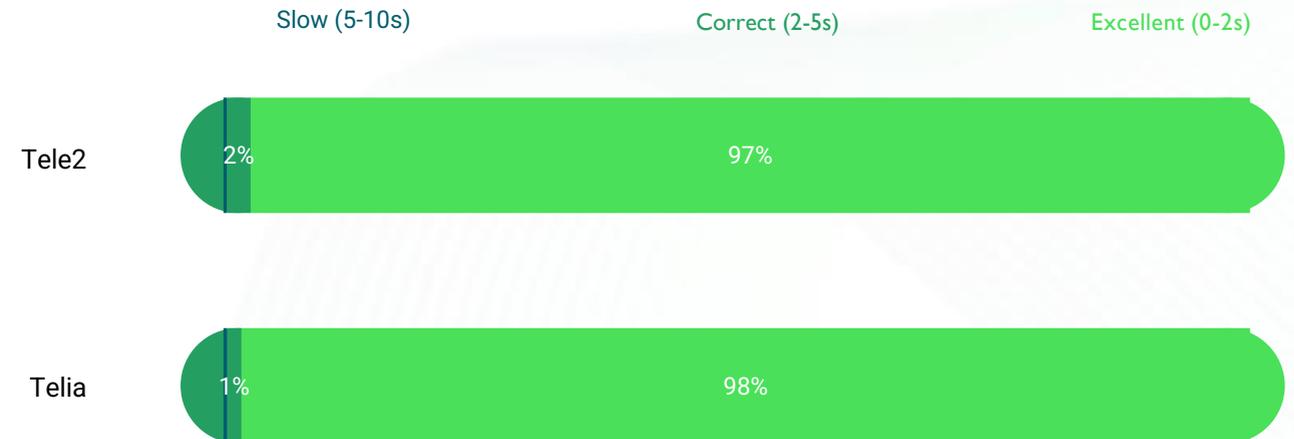
Streaming Performance rate (average)



Source : nperf.com

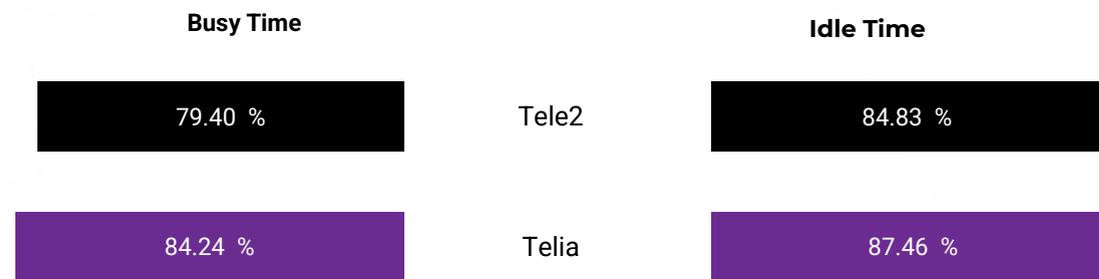
The subscribers of Telia enjoyed the best fixed Internet streaming performance in 2024.

Streaming Performance results ventilation (average)



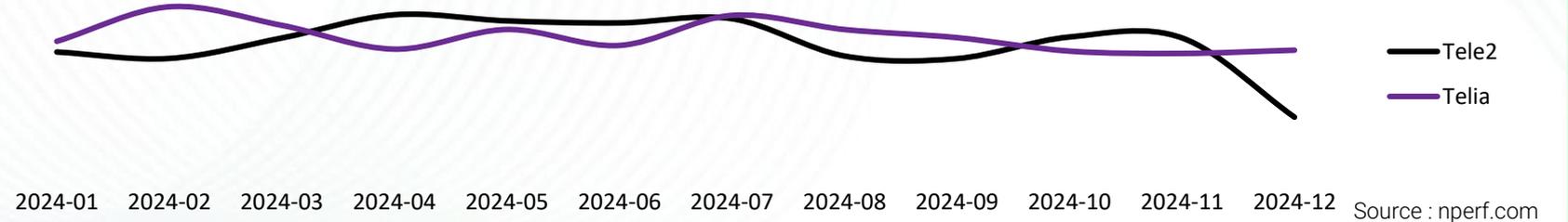
Source : nperf.com

Streaming Performance rate (average)



Source : nperf.com

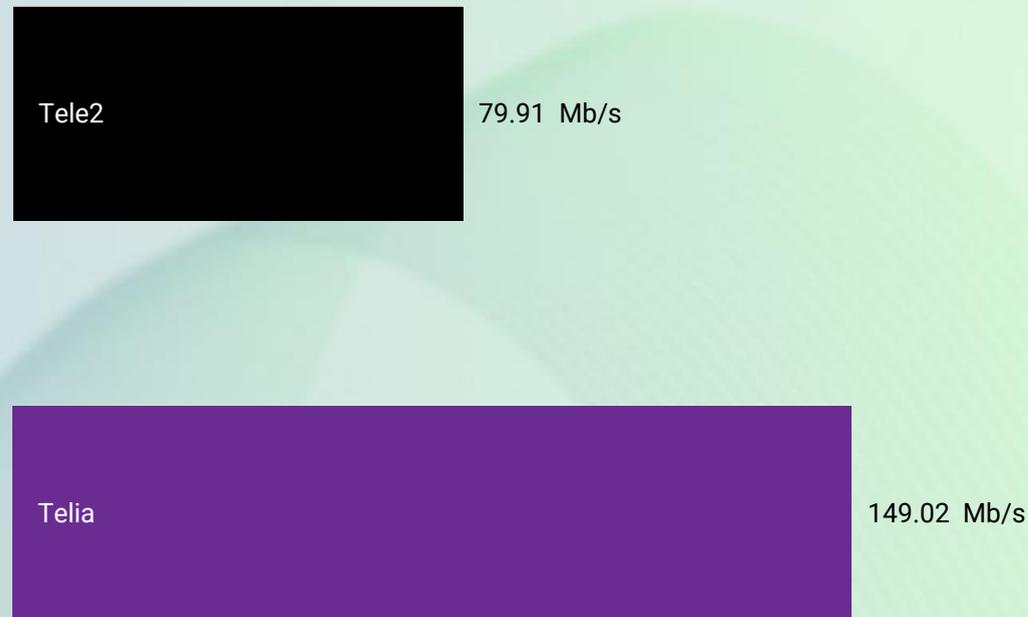
Streaming performance rate (average) evolution over the year



Source : nperf.com



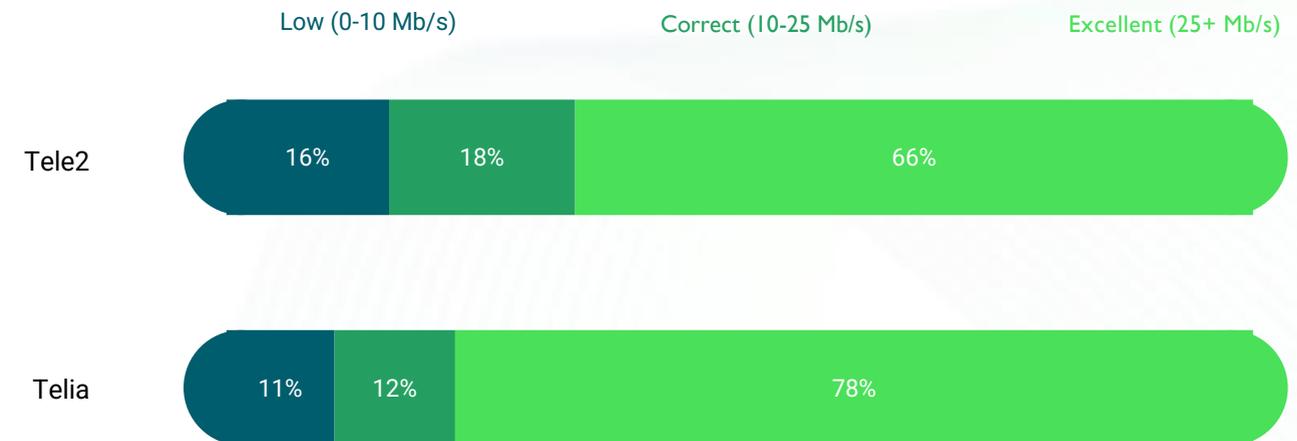
Download Speed (average)



Source : nperf.com

The subscribers of Telia enjoyed the best average fixed Internet download speed in 2024.

Download Speed results ventilation (average)



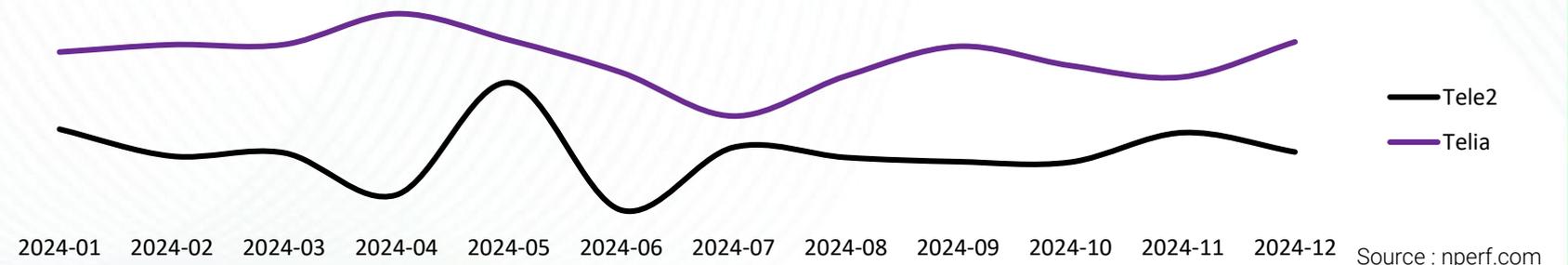
Source : nperf.com

Download Speed (average)



Source : nperf.com

Download Speed evolution over the year (average)



Source : nperf.com



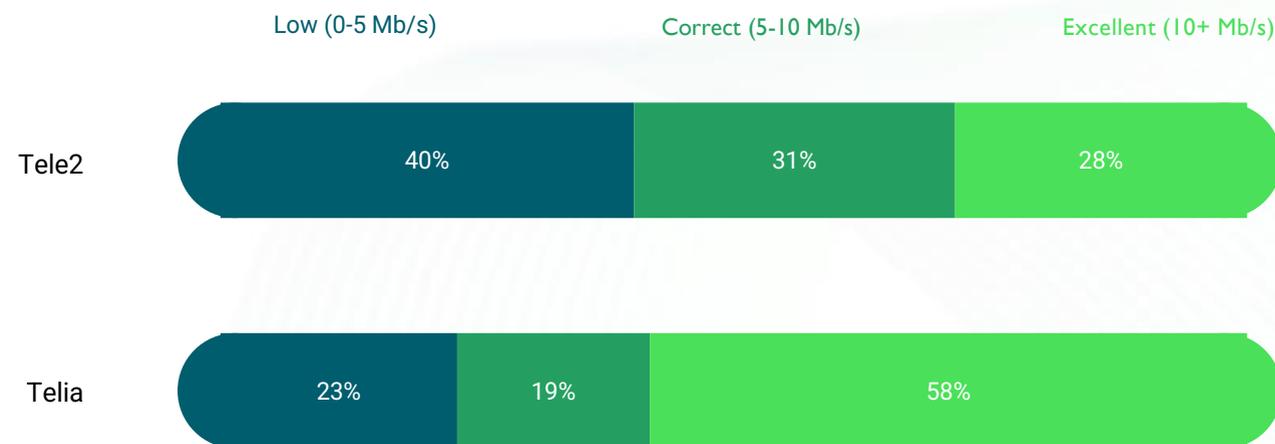
Upload Speed (average)



Source : nperf.com

The subscribers of Telia enjoyed the best average fixed Internet upload speed in 2024.

Upload Speed results ventilation (average)



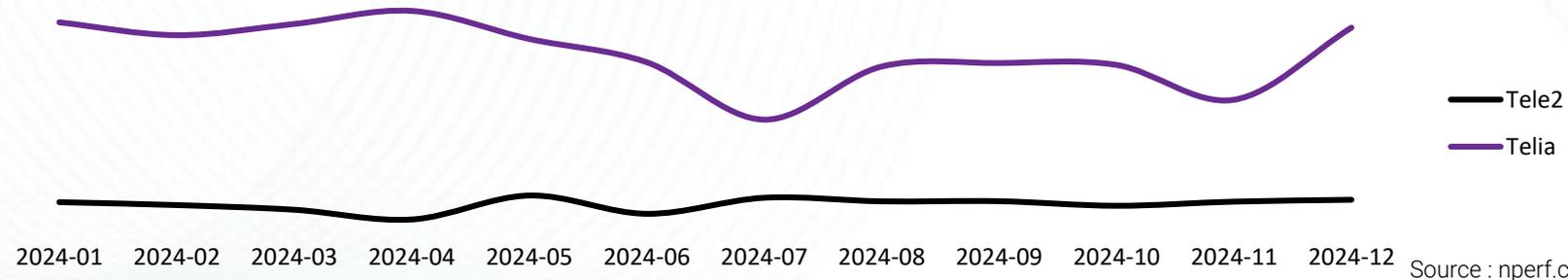
Source : nperf.com

Upload Speed (average)



Source : nperf.com

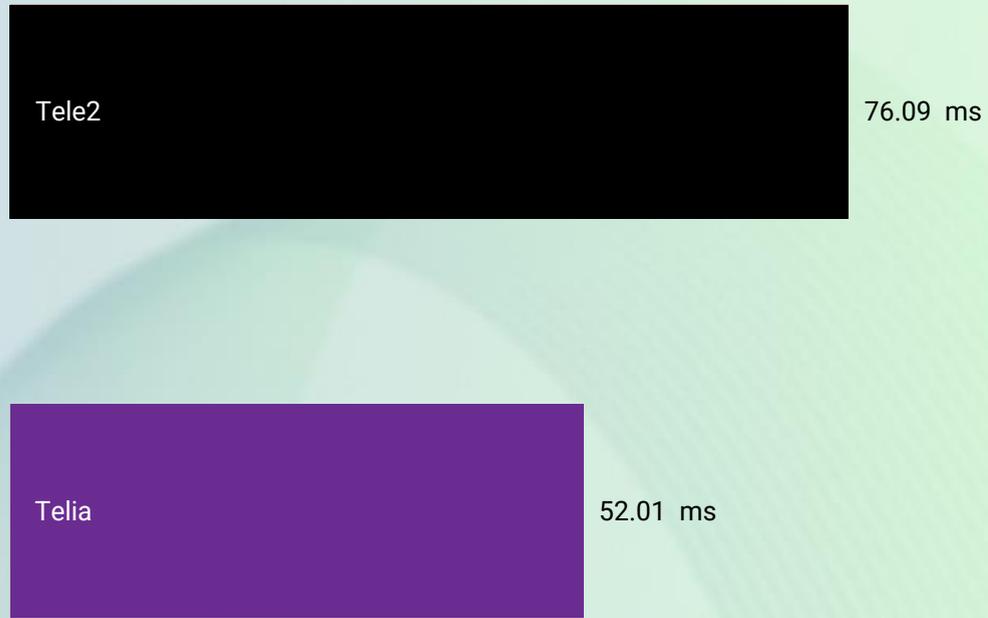
Upload Speed evolution over the year (average)



Source : nperf.com



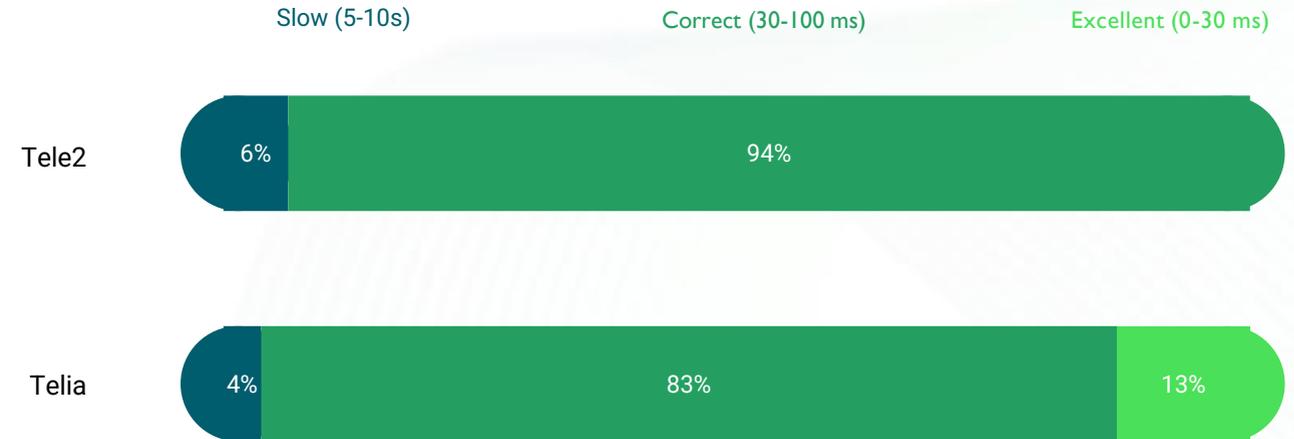
Latency Speed (average)



Source : nperf.com

The subscribers of Telia enjoyed the best average fixed Internet latency speed in 2024.

Latency Speed results ventilation (average)



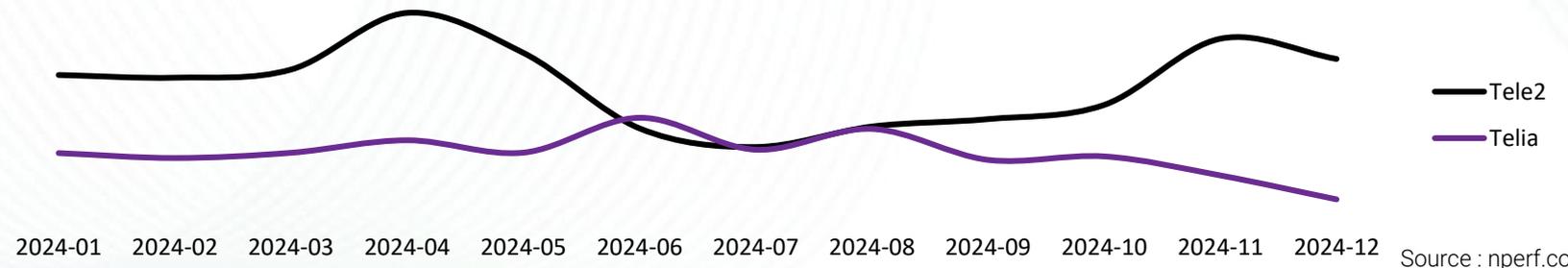
Source : nperf.com

Latency Speed (average)



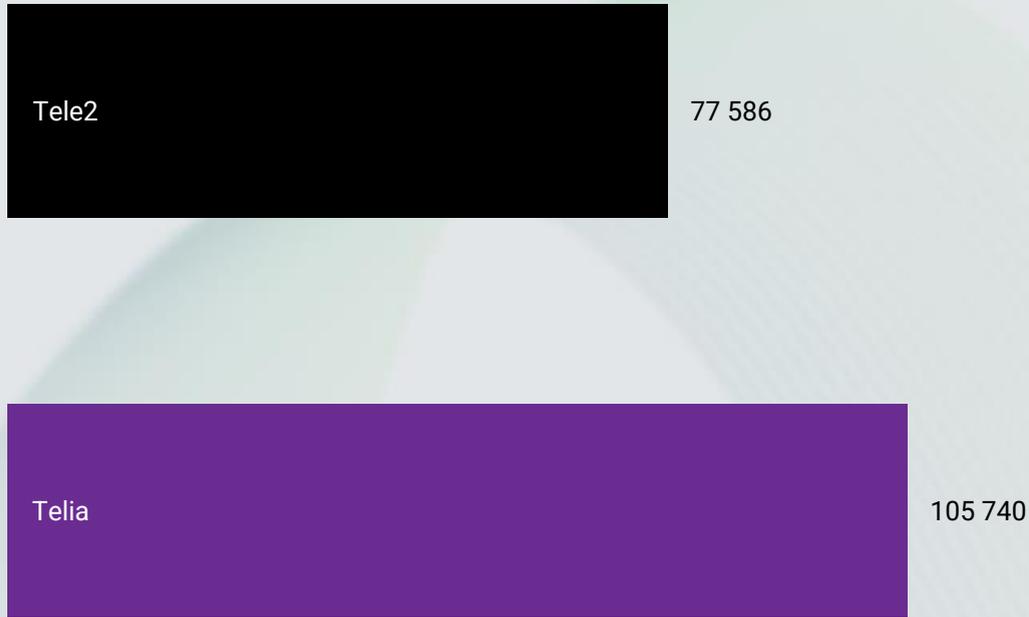
Source : nperf.com

Latency Speed evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Telia enjoyed the best WIFI Internet performances in 2024.

- Best performances WIFI: Telia
- Best web browsing performances WIFI: Telia
- Best video streaming performances WIFI: Telia
- Fastest performances (Download) WIFI: Telia
- Fastest performances (Upload) WIFI: Telia
- WIFI connections with the lowest latency: Telia

Source : nperf.com

TELE2

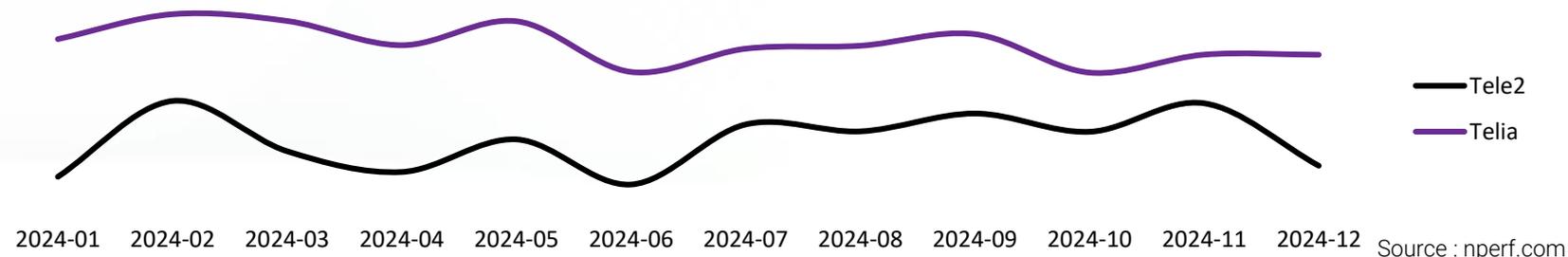


Telia



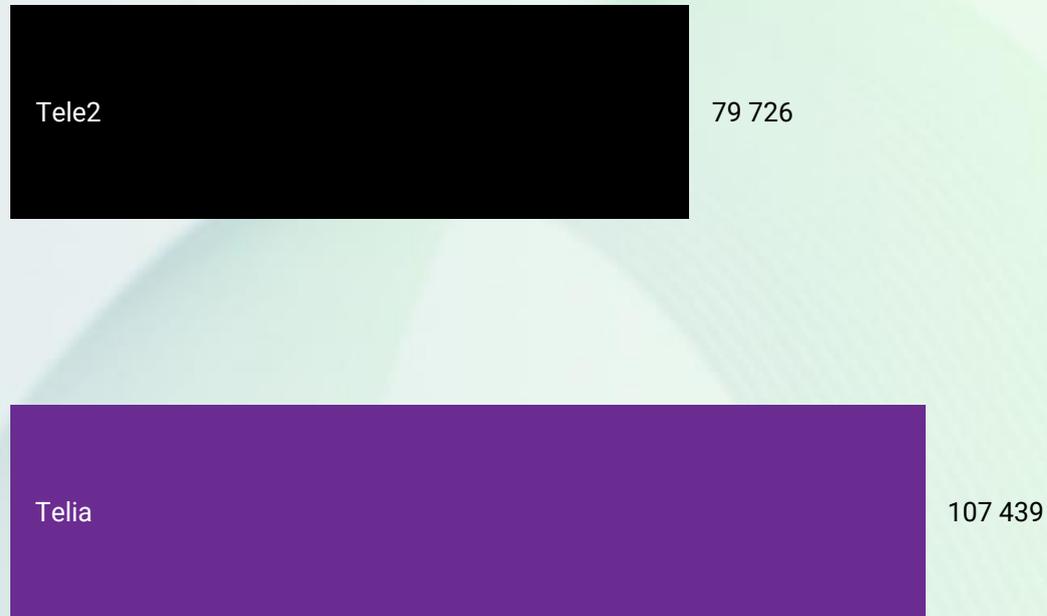
Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Telia enjoyed the best fixed Internet performances in 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

Telia
Best fixed Internet performance in 2024



TELE2

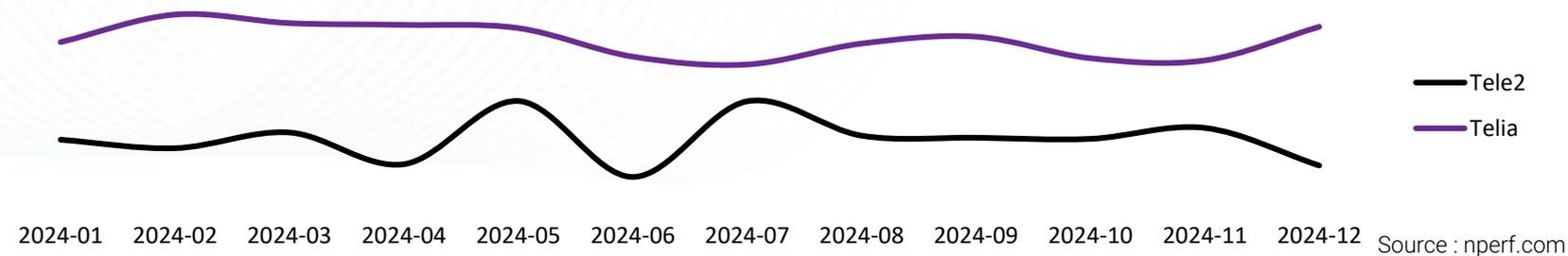


Telia



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com

The background features a series of thin, light-colored wavy lines that create a sense of motion and depth. These lines are layered and curve across the frame, set against a dark, muted blue background.

↳ perf