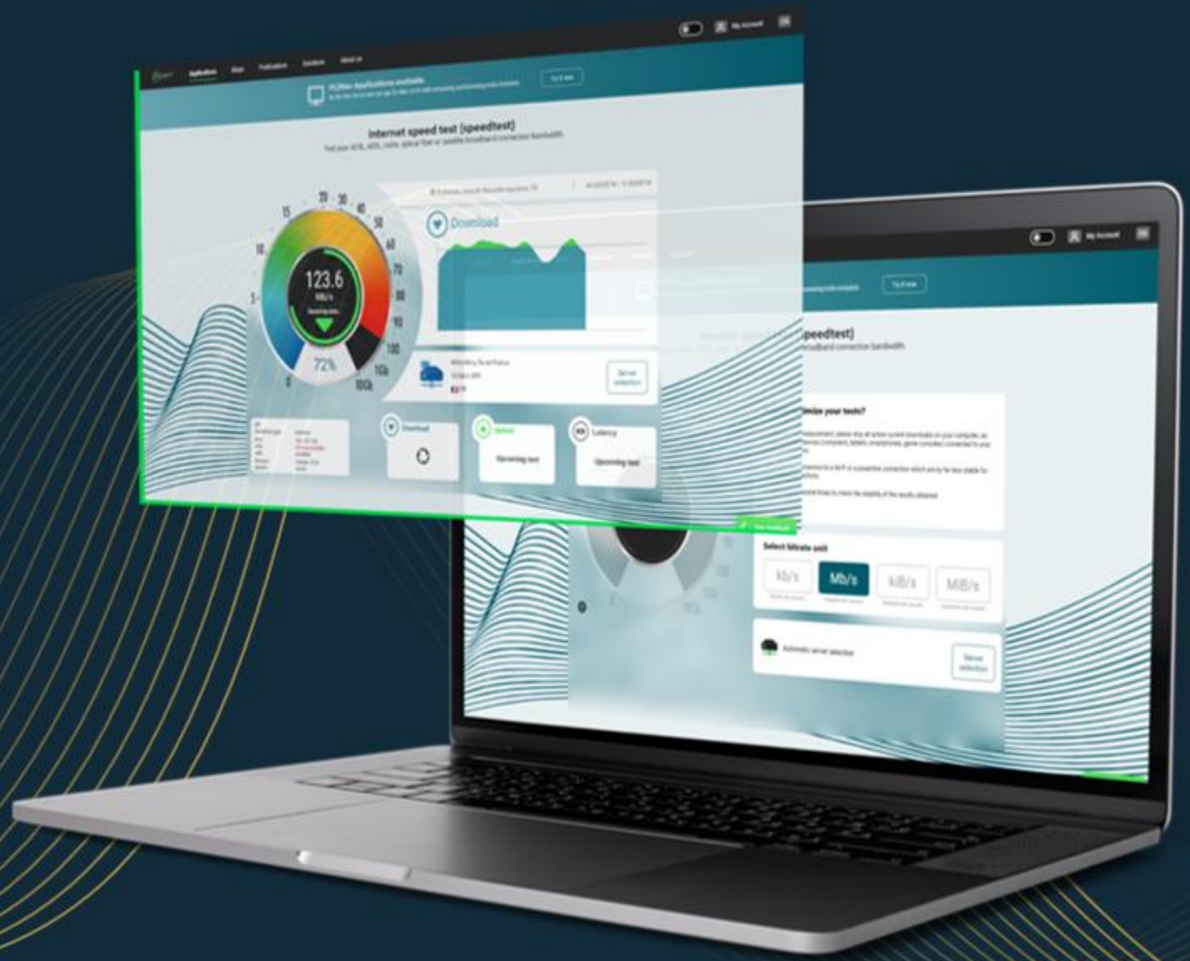
04/08/2025

Barometer of fixed Internet connections in Lao People's Democratic Republic

04/01/2024 - 03/31/2025



Agenda

1. Introducing nPerf
2. Executive summary
3. Analysis
4. Methodology
5. nPerf Network assesment

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! Dowload our app or visit our website!

Télécharger dans l'App Store

DISPONIBLE SUR Google Play

Test your connection on nPerf.com

2. Executive Summary

The subscribers of Lao Telecom enjoyed the best fixed Internet performances in 2025.

Fixed Internet connections in Lao People's Democratic Republic

	ETL	Lao Telecom	Unitel
Download bitrates (Mb/s)	53.15	66.32	33.82
Upload bitrates (Mb/s)	45.25	49.77	25.06
Latency (ms)	29.88	27.34	65.11
Web browsing (%)	58.37	59.81	58.96
Youtube streaming (%)	72.43	73.17	70.00
nPerf Score (nPoints)	77 732	82 991	60 693

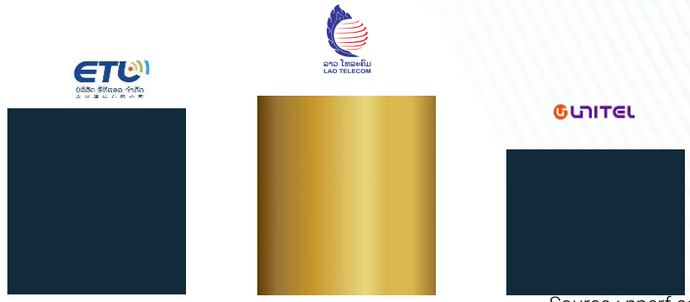
Source : nperf.com

ลาว โทรคมนาคม
LAO TELECOM

Best fixed Internet performance in 2025



Source : nperf.com



Source : nperf.com

The subscribers of Lao Telecom enjoyed the best WIFI Internet performances in Lao People's Democratic Republic in 2025.

WIFI fixed Internet connections in Lao People's Democratic Republic

	ETL	Lao Telecom	Unitel
Download bitrates (Mb/s)	44.53	54.52	26.76
Upload bitrates (Mb/s)	40.45	41.74	24.66
Latency (ms)	32.17	20.97	57.39
Web browsing (%)	60.65	67.38	66.51
Youtube streaming (%)	69.27	79.73	80.52
nPerf Score (nPoints)	73 912	92 231	67 660

Source : nperf.com

3. Analysis

Lao Telecom Communication (LTC) takes first place in the fixed internet market in Laos with a score of 82,991 nPoints. LTC has taken over the top position from ETL Company, which held the title in the previous period. LTC dominates most performance indicators, ranking n°1 in download speeds, upload speeds, latency, and browsing. In video streaming, both ETL Company and LTC deliver quality performance. Lao internet users benefit from LTC's strong download speeds of 66.32 Mbps, allowing for smooth HD video streaming, while the provider's low latency of 27.34 ms ensures responsive online gaming experiences.

Lao Telecom : Comprehensive leadership across multiple metrics

With 82,991 nPoints, LTC demonstrates solid performance across the board. The operator achieves first place in download speeds (66.32 Mbps), upload speeds (49.77 Mbps), and latency (27.34 ms). LTC also leads in browsing performance at 59.81%, sharing this distinction with Star Telecom. These results translate to a positive user experience, particularly for activities requiring fast file transfers such as cloud backups and document sharing. LTC has shown good progress with an overall score improvement of 17.1% compared to the previous period.

ETL Company: Competitive performer with notable improvements

ETL Company secures the second position with a score of 77,732 nPoints. The operator delivers good results in video streaming (72.43%), where it ranks first, providing users with smooth video playback experiences. ETL also shows competitive performance in upload bitrate (45.25 Mbps) and browsing (58.37%). The company has made significant progress, improving its overall score by 30.1% compared to the previous period, demonstrating its commitment to enhancing service quality.

Unitel: Good browsing capabilities

Unitel places third in the rankings with 60,693 nPoints. The operator delivers good browsing performance at 58.96%, sharing the top position with LTC in this category. This ensures users can enjoy responsive web page loading when surfing the internet. While Unitel's other metrics show room for improvement, the operator maintains a solid foundation in the Laotian market.

In conclusion, Lao Telecom leads the fixed internet market in Laos, having taken the top position from the previous year's winner. The market shows healthy competition with ETL Company making significant improvements. This competitive environment continues to drive service quality improvements, benefiting Laotian internet users with increasingly better fixed-line 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

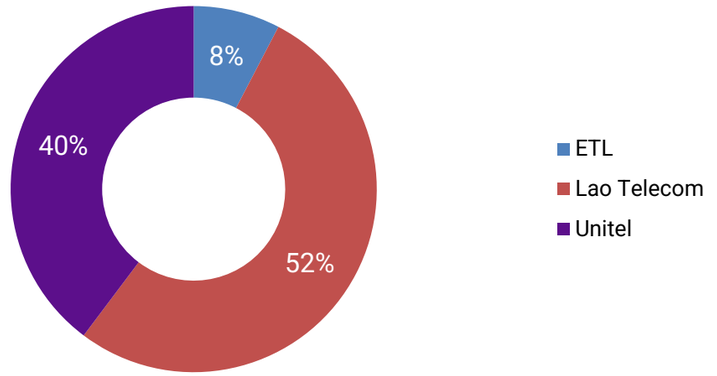
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 3.0% 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.

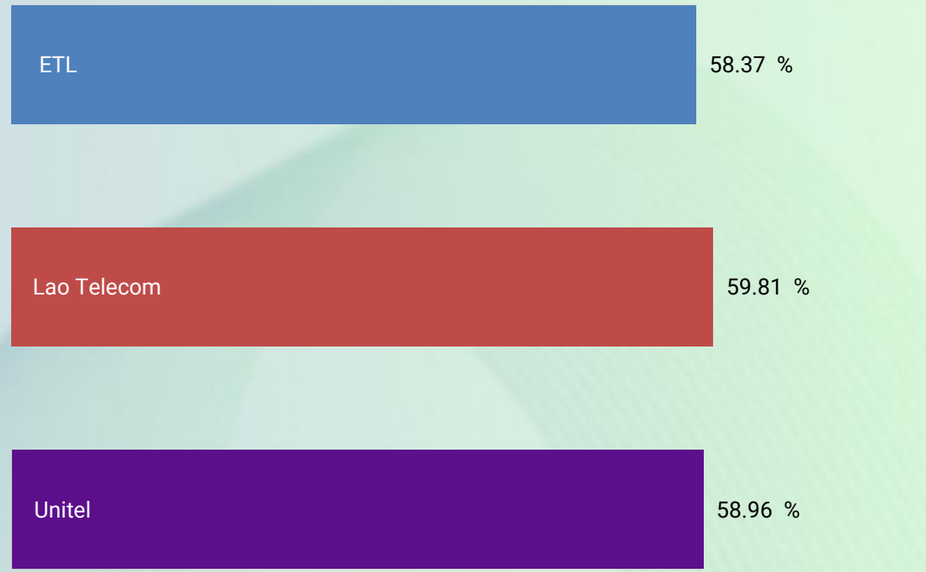
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com

Quality of Experience : Browsing

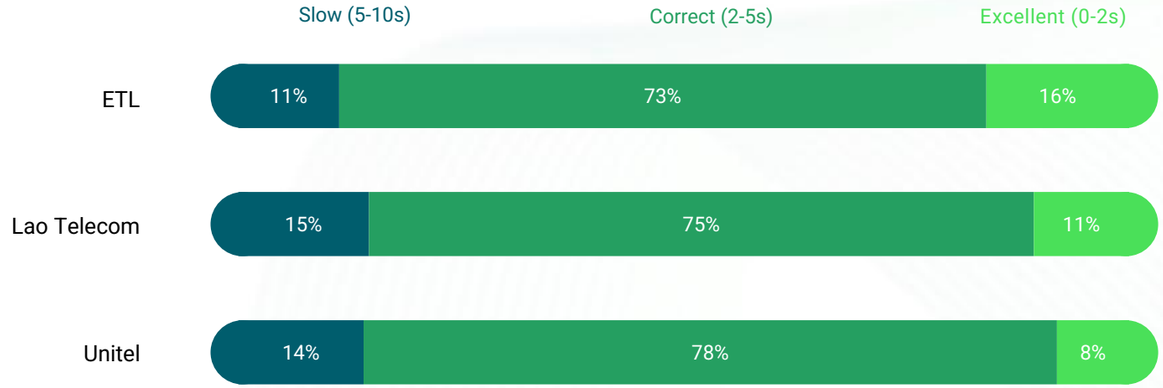
Browsing Performance rate (average)



Source : nperf.com

The subscribers of Lao Telecom and Unitel enjoyed the best fixed Internet browsing performance in 2025.

Browsing Performance results ventilation (average)



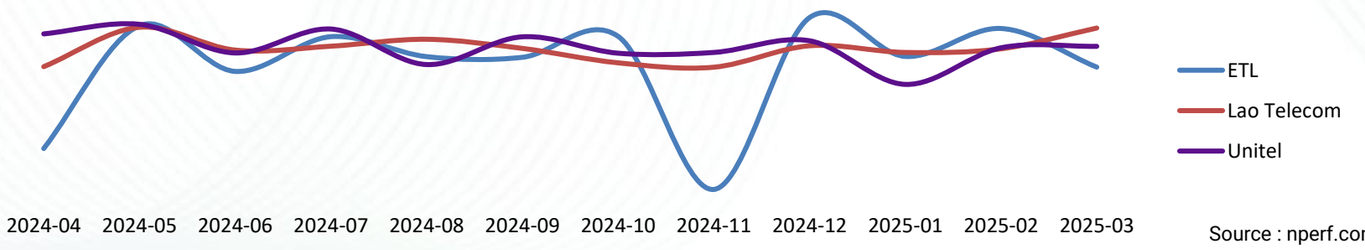
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

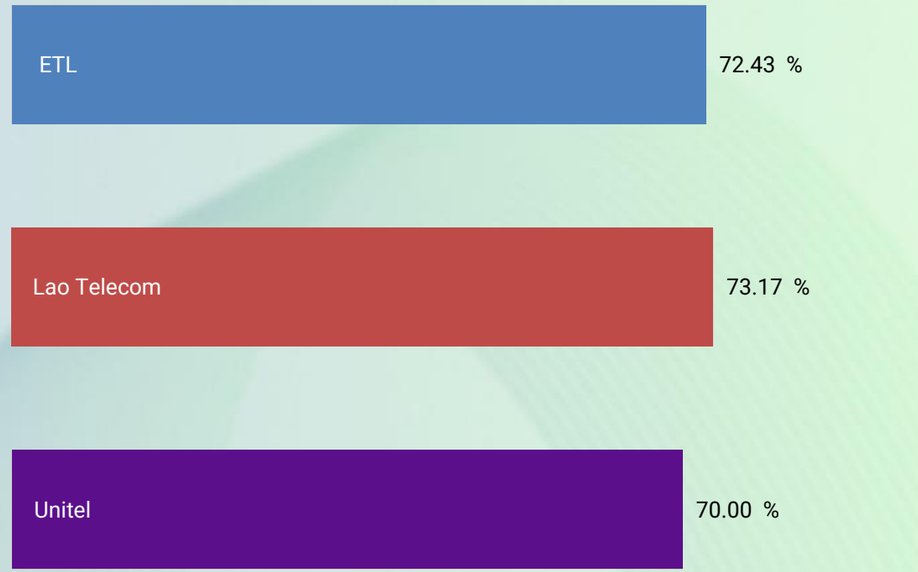
Browsing performance rate (average) evolution over the year



Source : nperf.com

Quality of Experience : Streaming

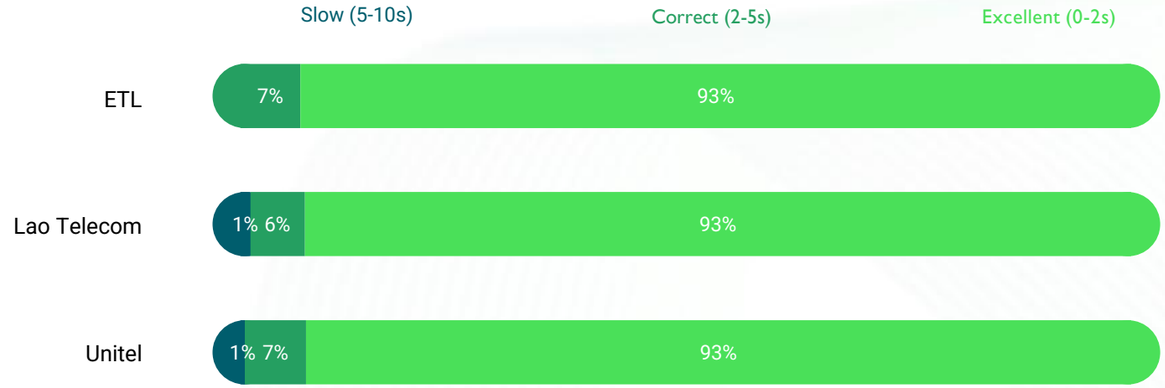
Streaming Performance rate (average)



Source : nperf.com

The subscribers of ETL and Lao Telecom enjoyed the best fixed Internet streaming performance in 2025.

Streaming Performance results ventilation (average)



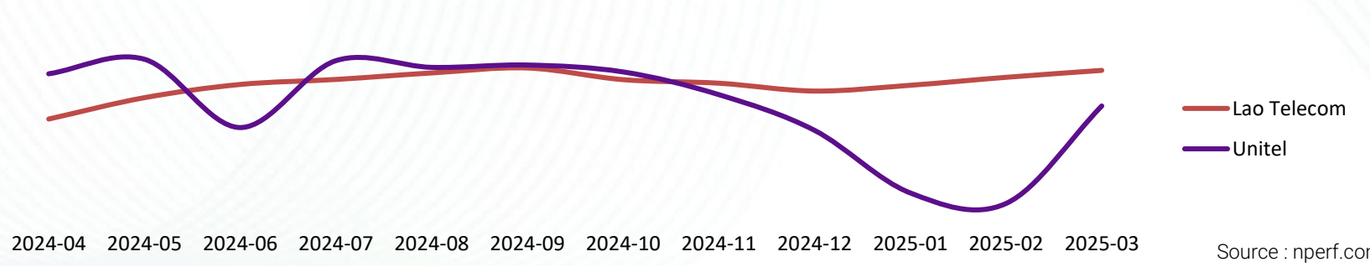
Source : nperf.com

Streaming Performance rate (average)



Source : nperf.com

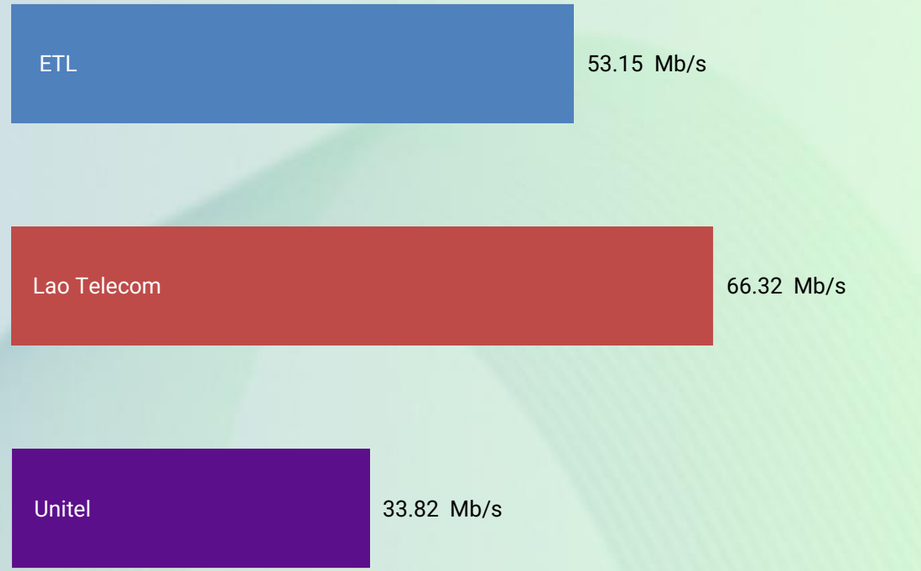
Streaming performance rate (average) evolution over the year



Source : nperf.com

Speed : Download

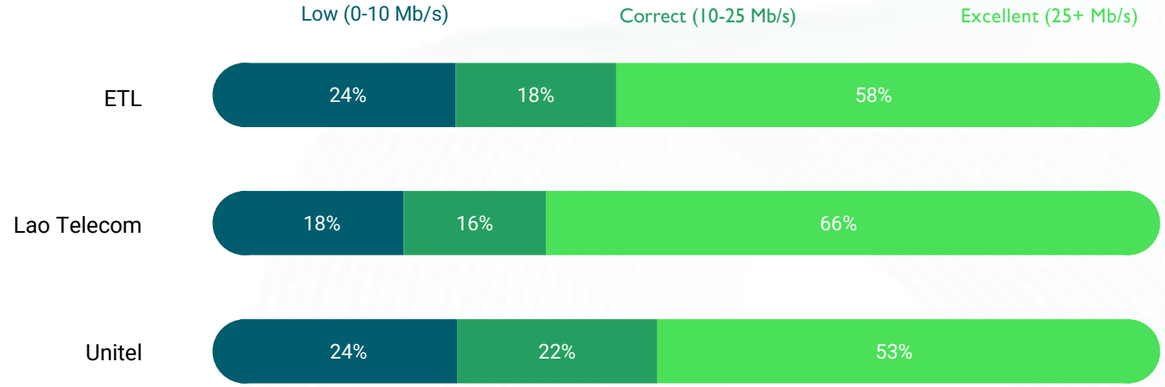
Download Speed (average)



Source : nperf.com

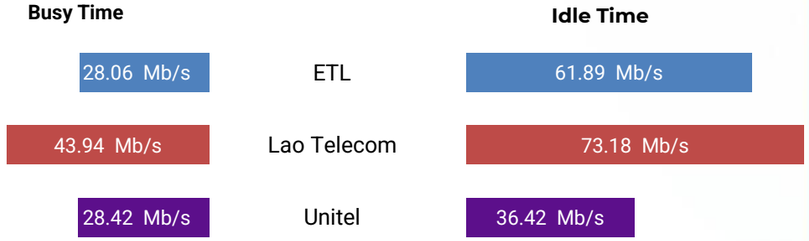
The subscribers of Lao Telecom enjoyed the best average fixed Internet download speed in 2025.

Download Speed results ventilation (average)



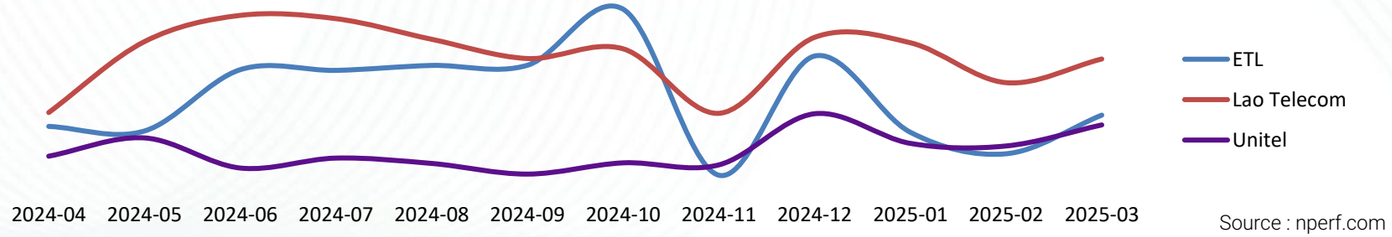
Source : nperf.com

Download Speed (average)



Source : nperf.com

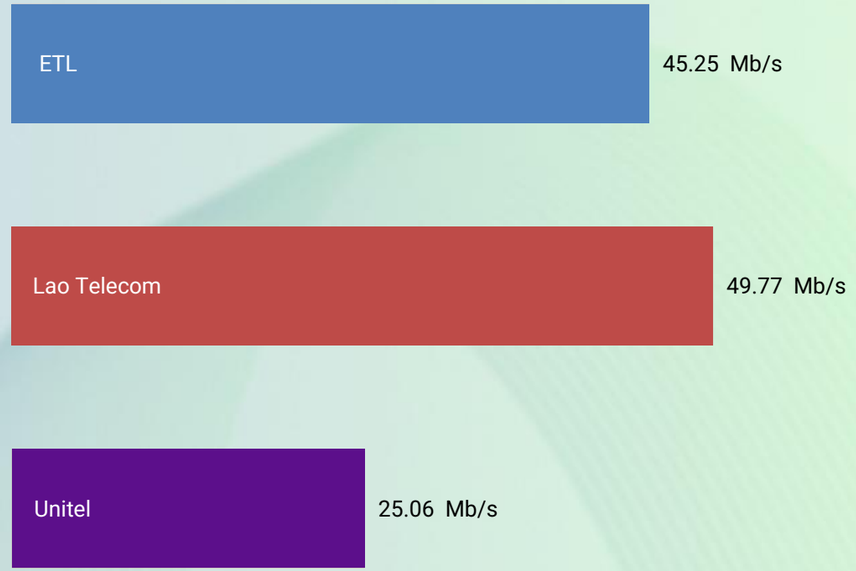
Download Speed evolution over the year (average)



Source : nperf.com

Speed : Upload

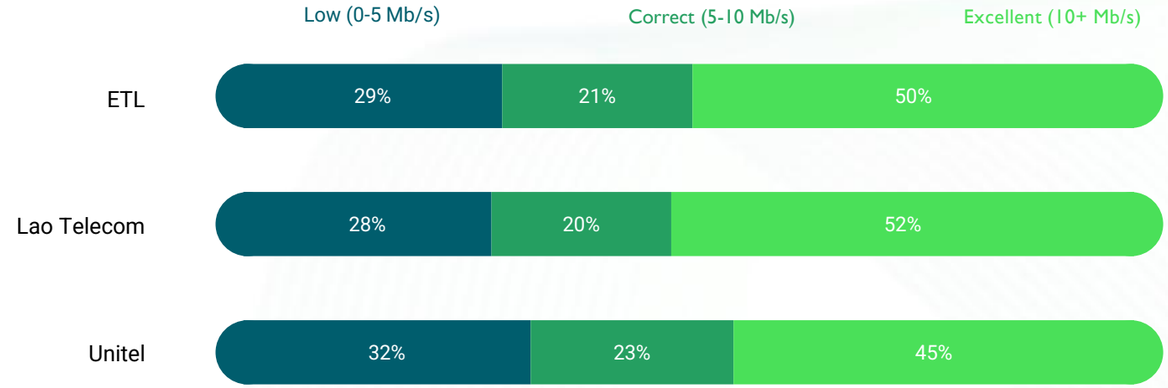
Upload Speed (average)



Source : nperf.com

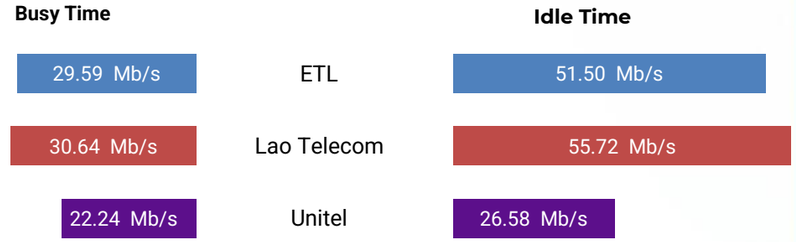
The subscribers of Lao Telecom enjoyed the best average fixed Internet upload speed in 2025.

Upload Speed results ventilation (average)



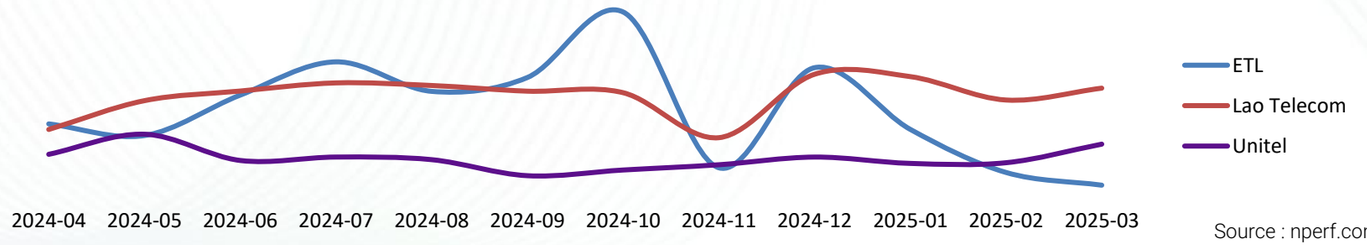
Source : nperf.com

Upload Speed (average)



Source : nperf.com

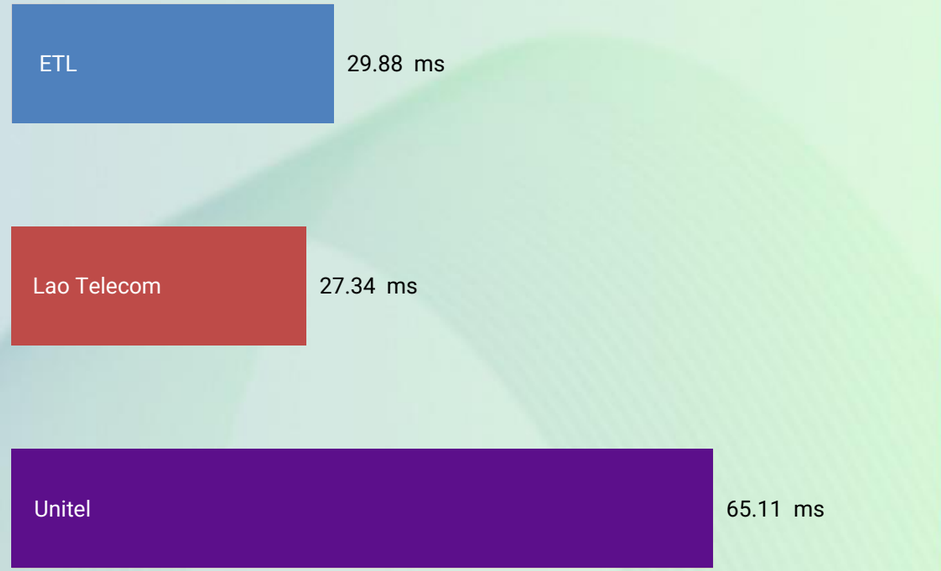
Upload Speed evolution over the year (average)



Source : nperf.com

Speed : Latency

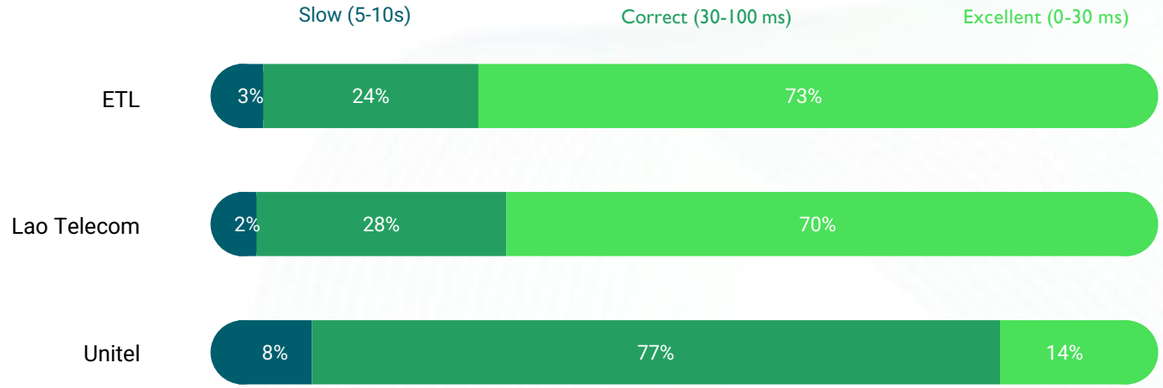
Latency Speed (average)



Source : nperf.com

The subscribers of Lao Telecom enjoyed the best average fixed Internet latency speed in 2025.

Latency Speed results ventilation (average)



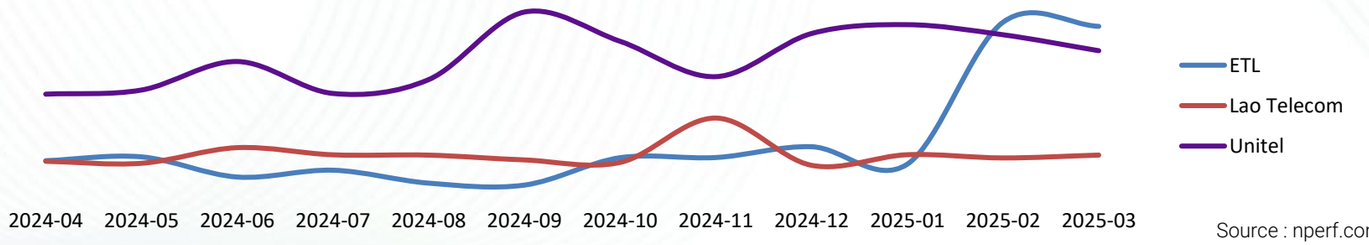
Source : nperf.com

Latency Speed (average)



Source : nperf.com

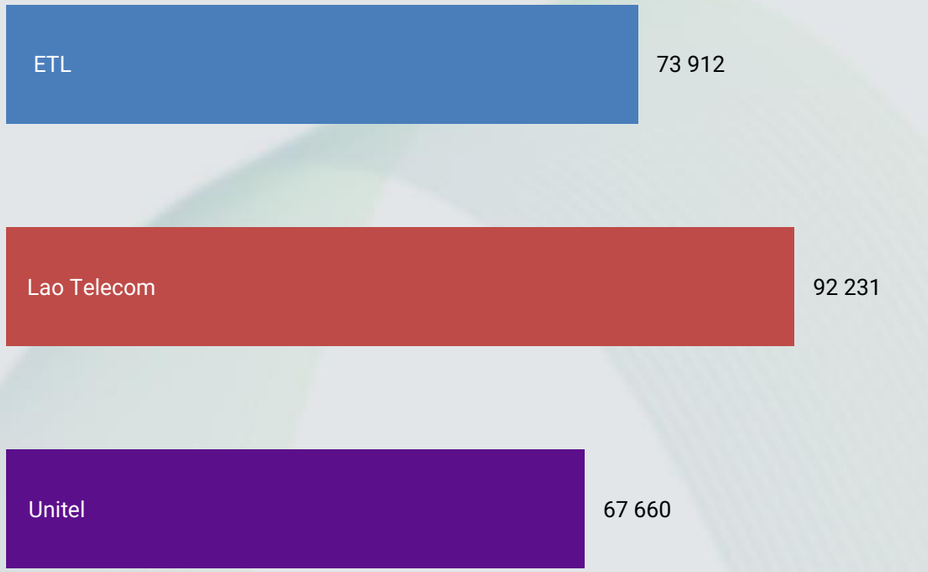
Latency Speed evolution over the year (average)



Source : nperf.com

WIFI | Fixed Internet performance in Lao People's Democratic Republic

nPerf Score (nPoints)

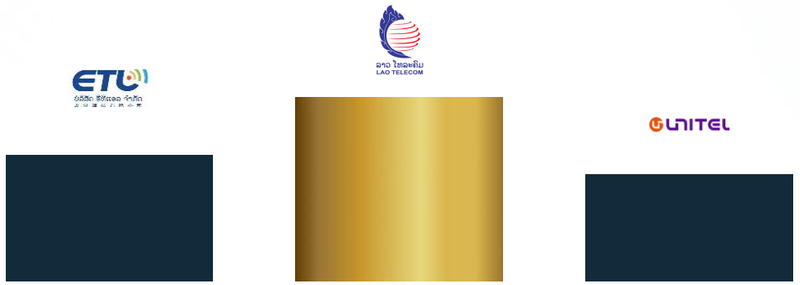


Source : nperf.com

The subscribers of Lao Telecom enjoyed the best WIFI Internet performances in 2025.

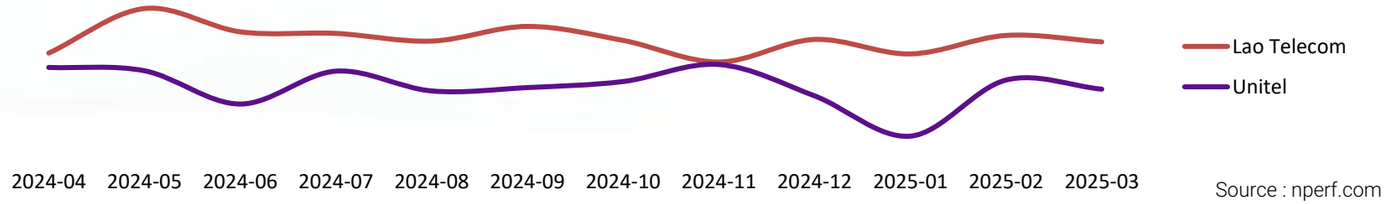
- Best performances WIFI: Lao Telecom
- Best web browsing performances WIFI: Lao Telecom and Unitel
- Best video streaming performances WIFI: Lao Telecom and Unitel
- Fastest performances (Download) WIFI: Lao Telecom
- Fastest performances (Upload) WIFI: Lao Telecom
- WIFI connections with the lowest latency: Lao Telecom

Source : nperf.com



Source : nperf.com

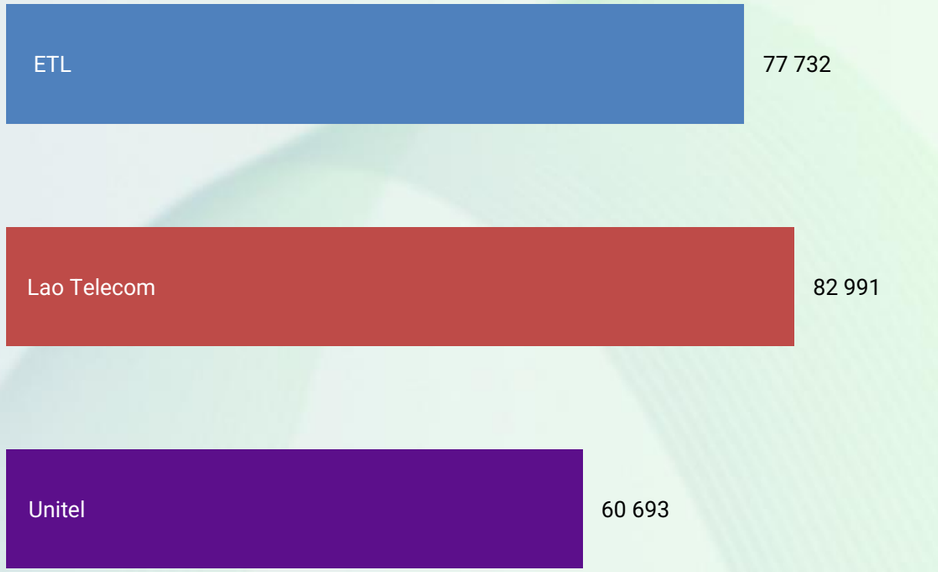
nPerf score evolution over the year (average)



Source : nperf.com

Fixed Internet performance in Lao People's Democratic Republic

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Lao Telecom enjoyed the best fixed Internet performances in 2025.

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

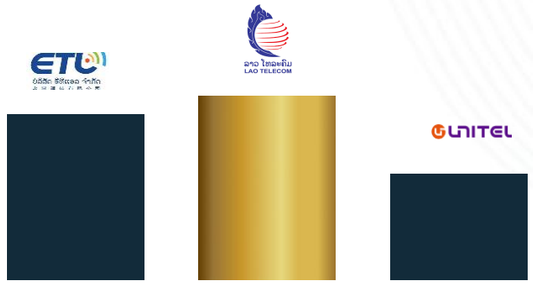
The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.

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

Source : nperf.com

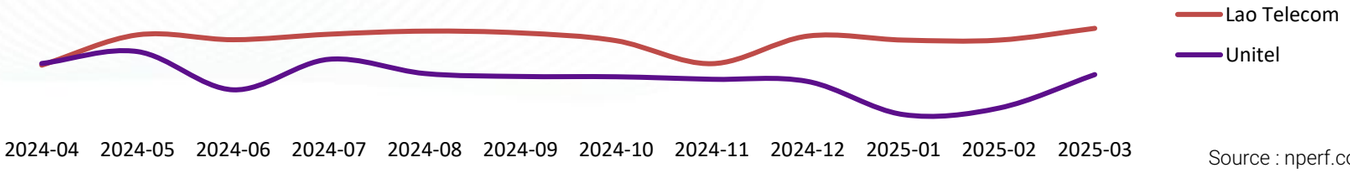
Best fixed Internet performance in 2025





Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com


nperf