



Barometer of fixed Internet connections in Thailand

01/01/2025 - 12/31/2025



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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 True Online enjoyed the best Fixed Internet performances in 2025 in Thailand.

Fixed Internet performance in Thailand

	AIS-3BB	NT	<u>True Online</u>
▼ Download bitrates (Mb/s)	310.08	235.68	332.45
▲ Upload bitrates (Mb/s)	236.19	207.98	270.28
◀▶ Latency (ms)	11.21	16.37	12.49
🌐 Web browsing (%)	76.22	71.02	76.13
📺 Youtube streaming (%)	85.04	81.82	85.60
nPerf Score (nPoints)	141 456	126 294	142 668

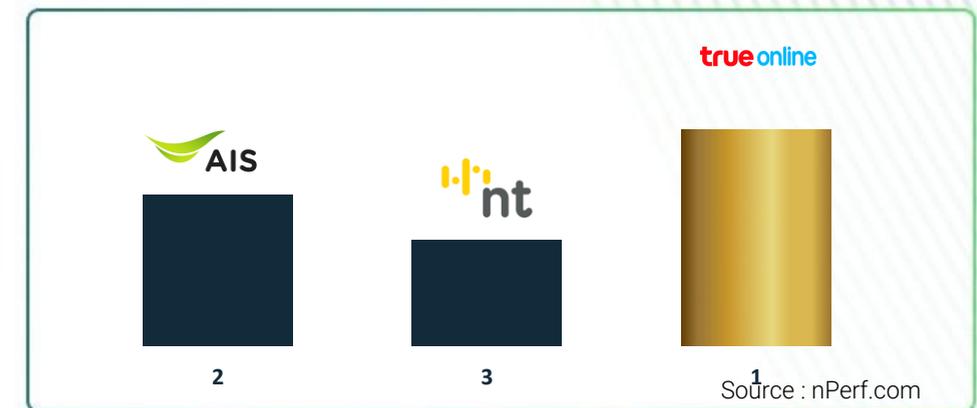
Source : nPerf.com



Best Fixed Internet performance in 2025



Source : nPerf.com



3. Analysis



The Thailand fixed Internet sector displays an average score of 136,806 nPoints. True Online leads with 142,668 nPoints and dominates download speed, upload speed, and video streaming.

True Online: leadership position consolidated

True Online leads with 142,668 nPoints and dominates three key indicators. The operator achieves the highest download speed at 332.5 Mbps, ideal for HD streaming and fast downloads. It also leads upload speed with 270.3 Mbps, ensuring high-quality video conferencing and seamless content sharing. True Online secures first place in video streaming (85.6%), guaranteeing smooth viewing experiences for users.

AIS-3BB: competitive performances

AIS-3BB ranks second with 141,456 nPoints and delivers optimal latency at 11.2 ms, perfect for online gaming and real-time communications. The operator leads in browsing with 76.2% and achieves strong results in download speed (310.1 Mbps, 2nd place) and upload speed (236.2 Mbps, 2nd place).

NT: strong progression

NT ranks third with 126,294 nPoints and records strong growth of 13.6%. The operator delivers solid performances in download speed (235.7 Mbps) and upload speed (208.0 Mbps), supporting quality streaming and efficient file sharing for residential users.

True Online consolidates its leadership with balanced performances across all indicators. The sector shows healthy dynamics with widespread progressions and intense competition between the top two operators. Users benefit from increasingly high-performing offerings, particularly for streaming and video conferencing applications.

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 mean 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

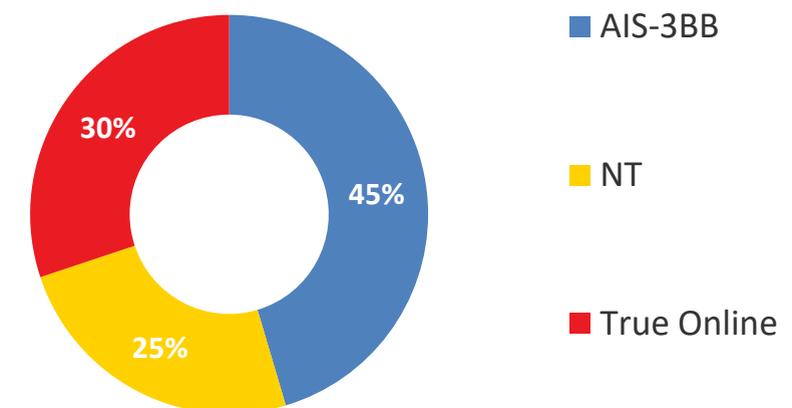
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 0.2% 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)



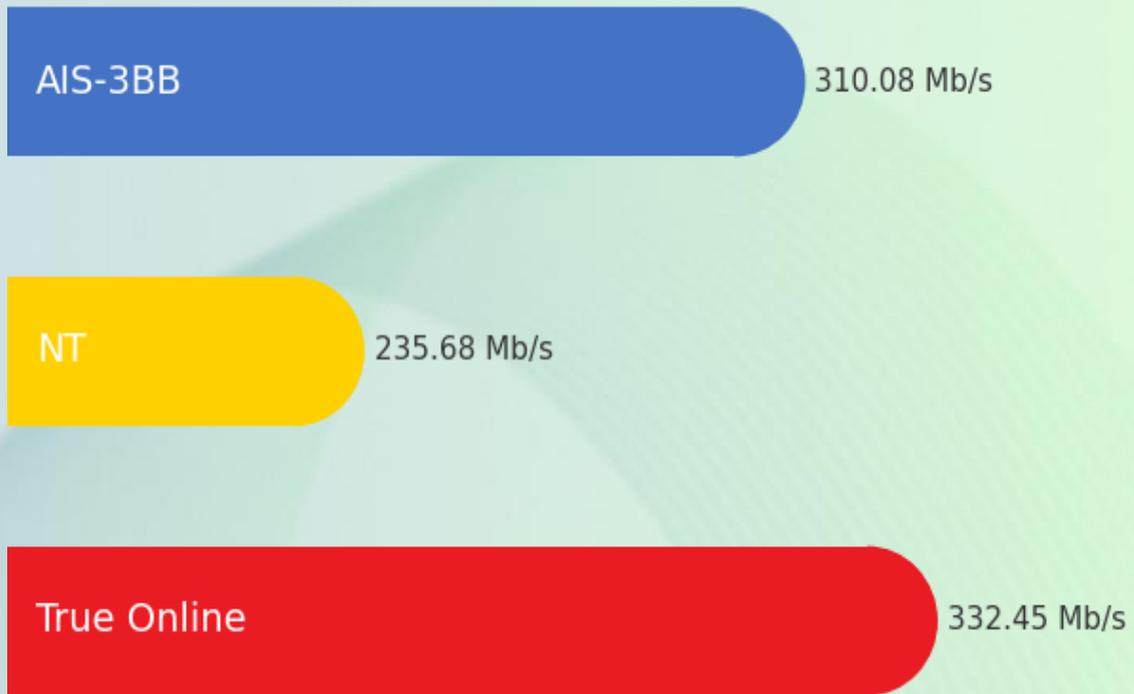
Source : nPerf.com



Download Speed



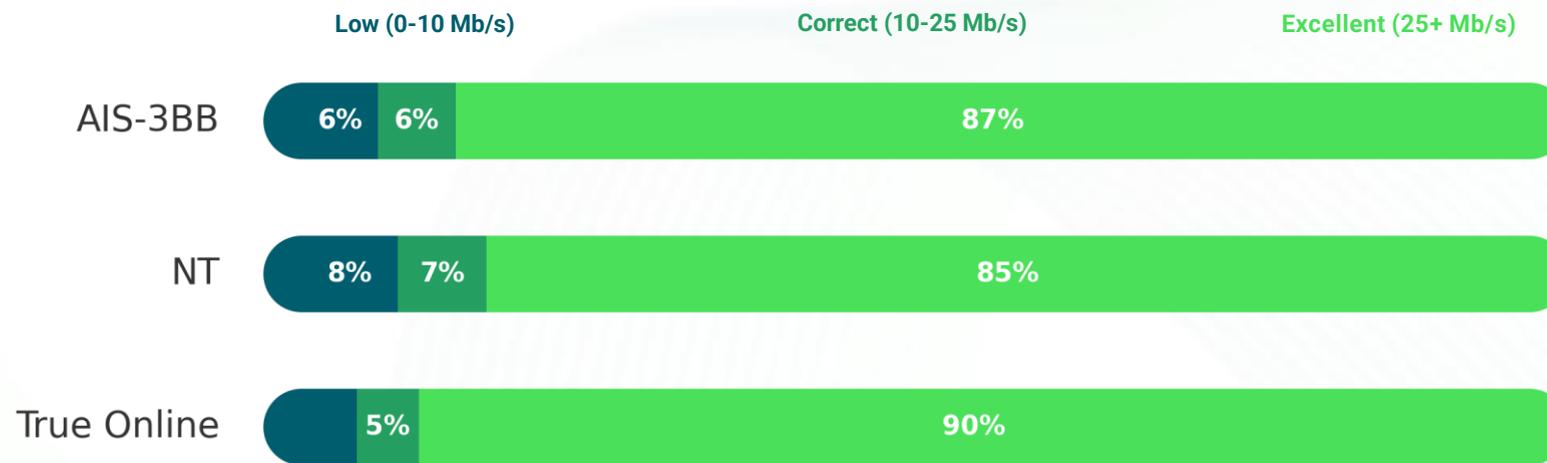
Download Speed (average)



Source : nPerf.com

The subscribers of True Online enjoyed the best Fixed Internet Download Speed in 2025.

Download Speed results ventilation (average)



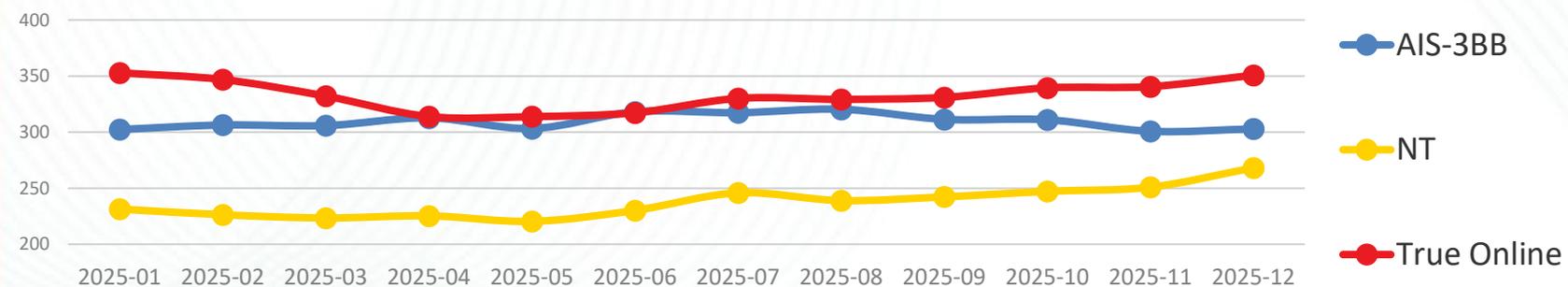
Source : nPerf.com

Download Speed (average)



Source : nPerf.com

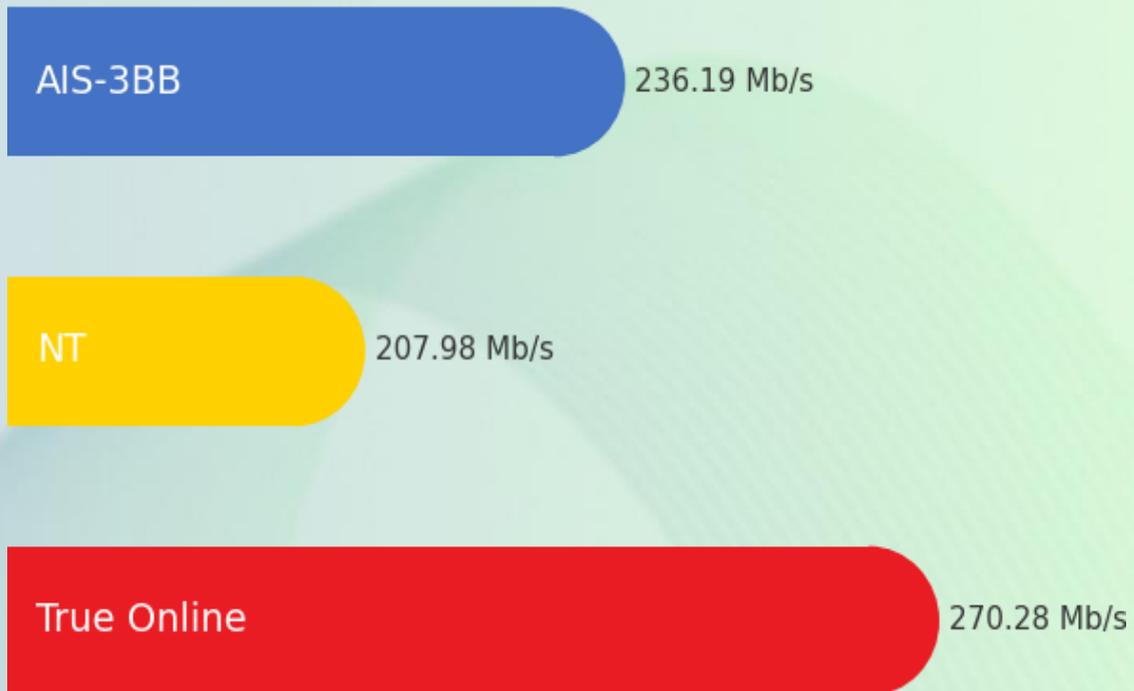
Download Speed evolution over the year (average)



Source : nPerf.com



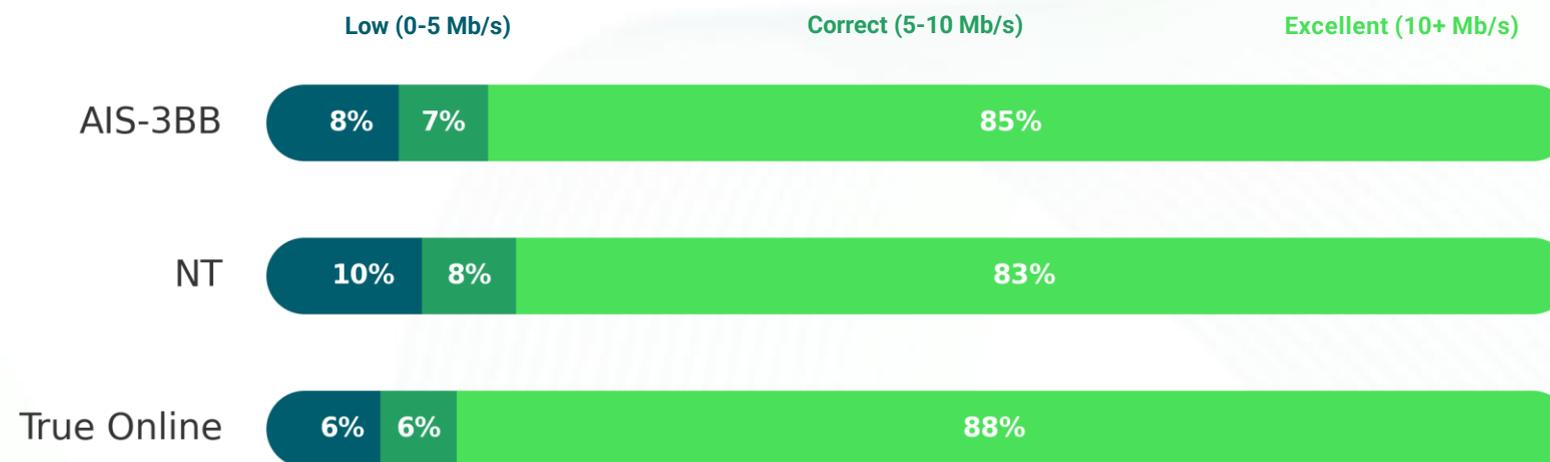
Upload Speed (average)



Source : nPerf.com

The subscribers of True Online enjoyed the best Fixed Internet Upload Speed in 2025.

Upload Speed results ventilation (average)



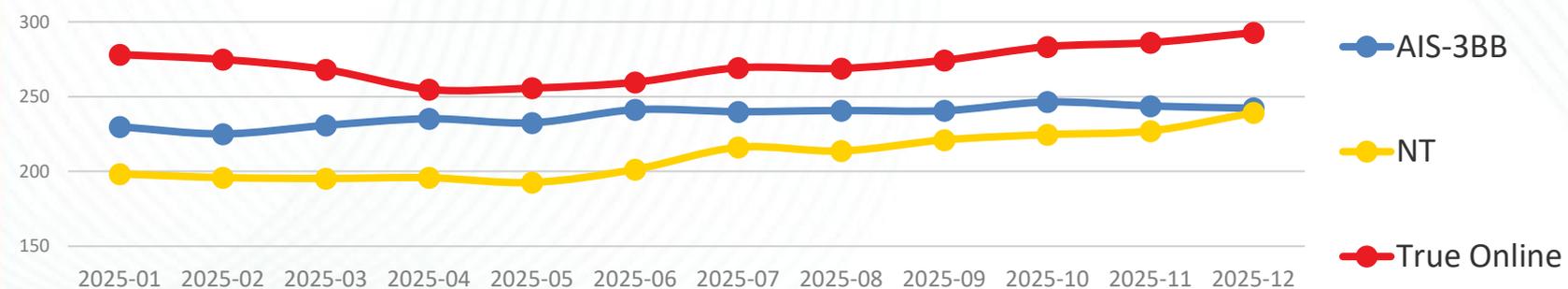
Source : nPerf.com

Upload Speed (average)



Source : nPerf.com

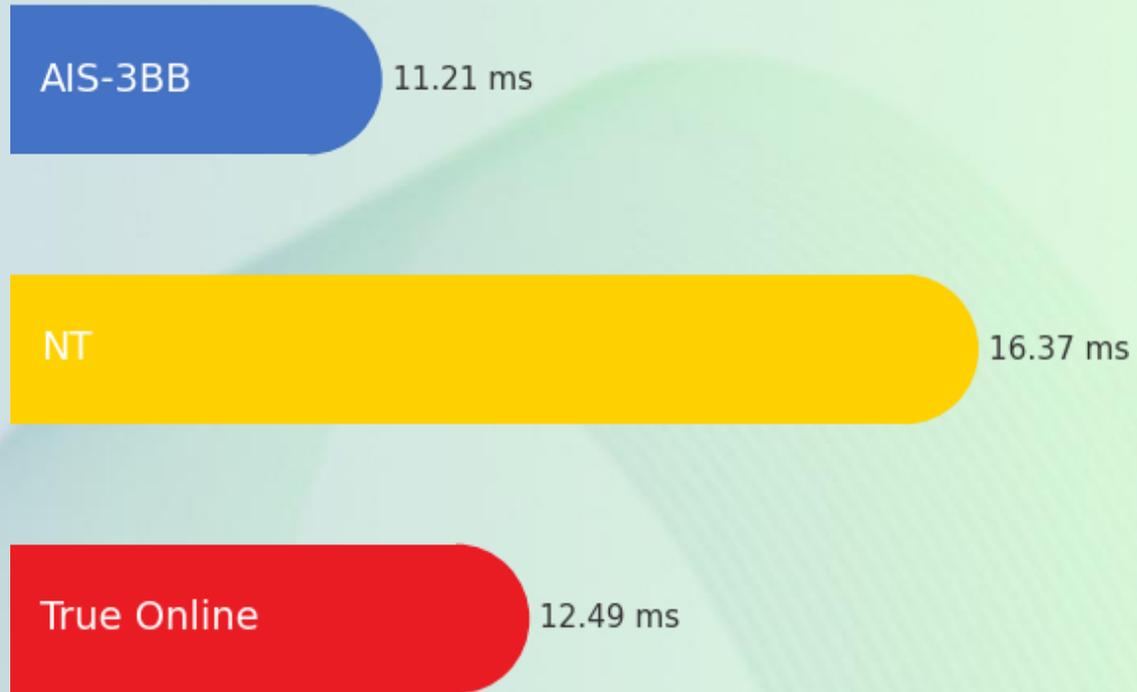
Upload Speed evolution over the year (average)



Source : nPerf.com



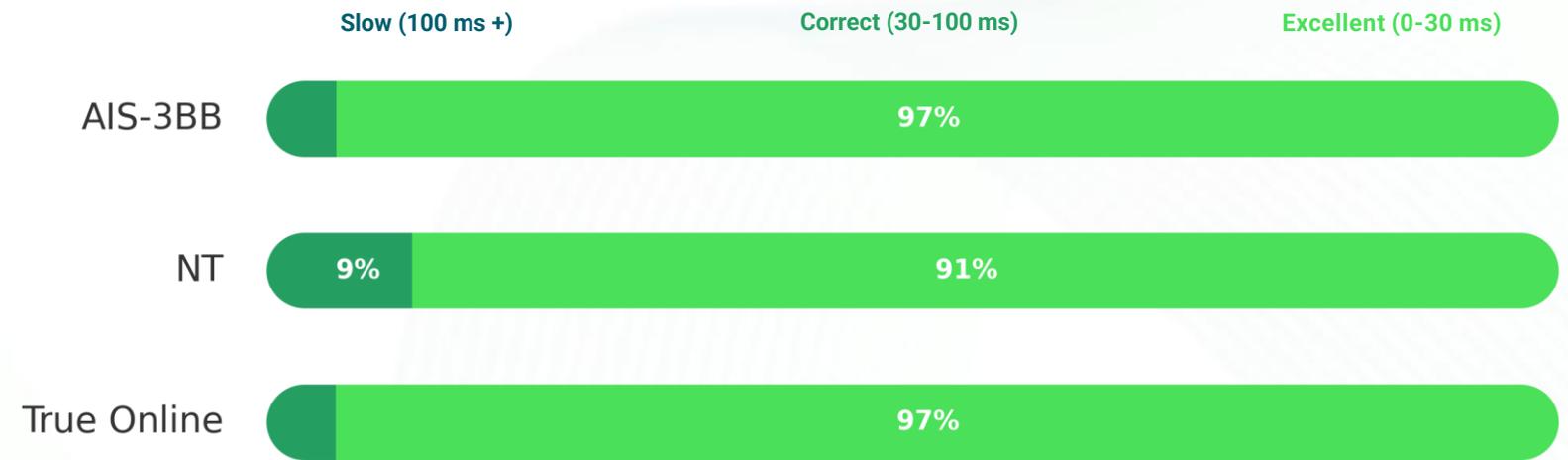
Latency (average)



Source : nPerf.com

The subscribers of AIS-3BB enjoyed the best Fixed Internet Latency in 2025.

Latency results ventilation (average)



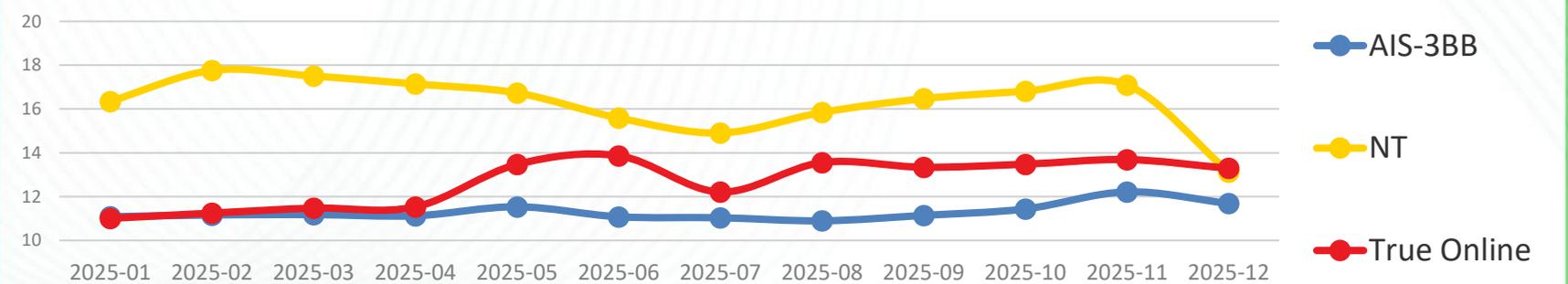
Source : nPerf.com

Latency (average)



Source : nPerf.com

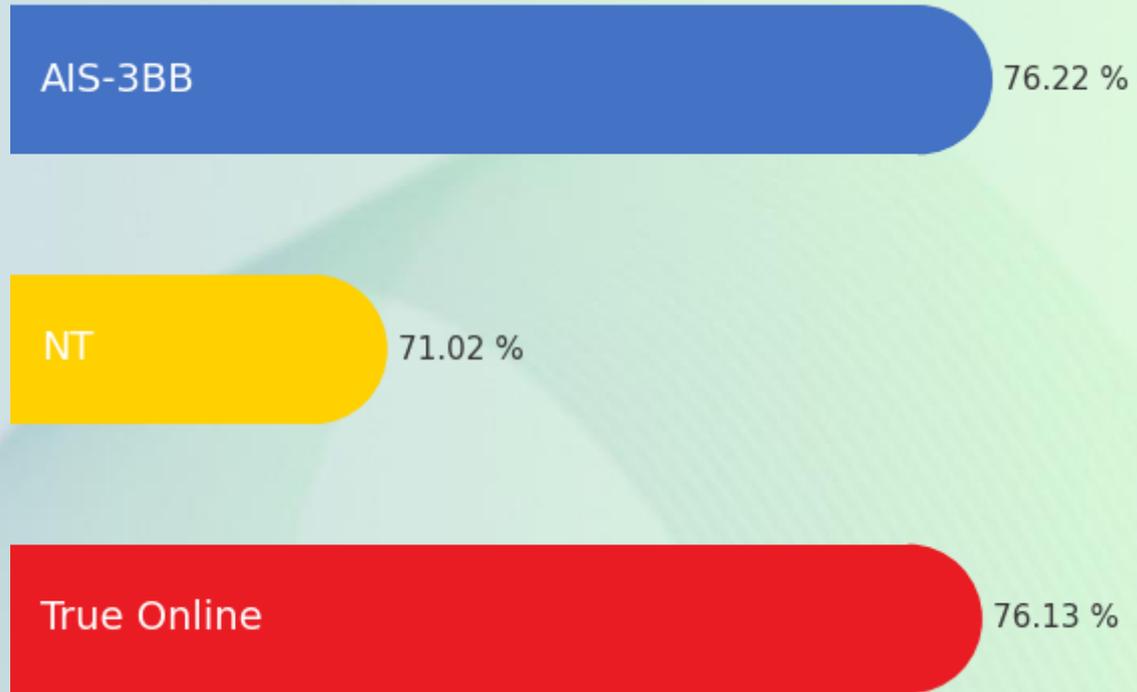
Latency evolution over the year (average)



Source : nPerf.com



Browsing Performance (average)



Source : nPerf.com

The subscribers of AIS-3BB enjoyed the best Fixed Internet Browsing Performance in 2025.

Browsing Performance results ventilation (average)



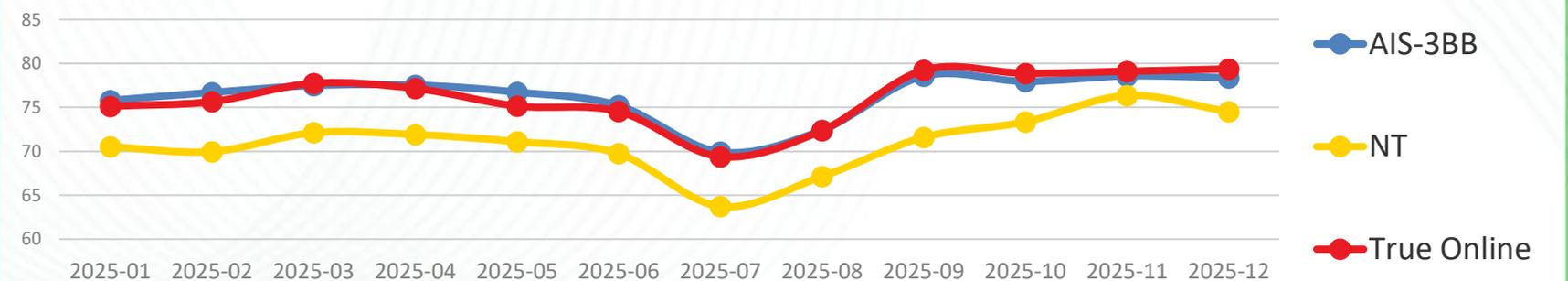
Source : nPerf.com

Browsing Performance (average)



Source : nPerf.com

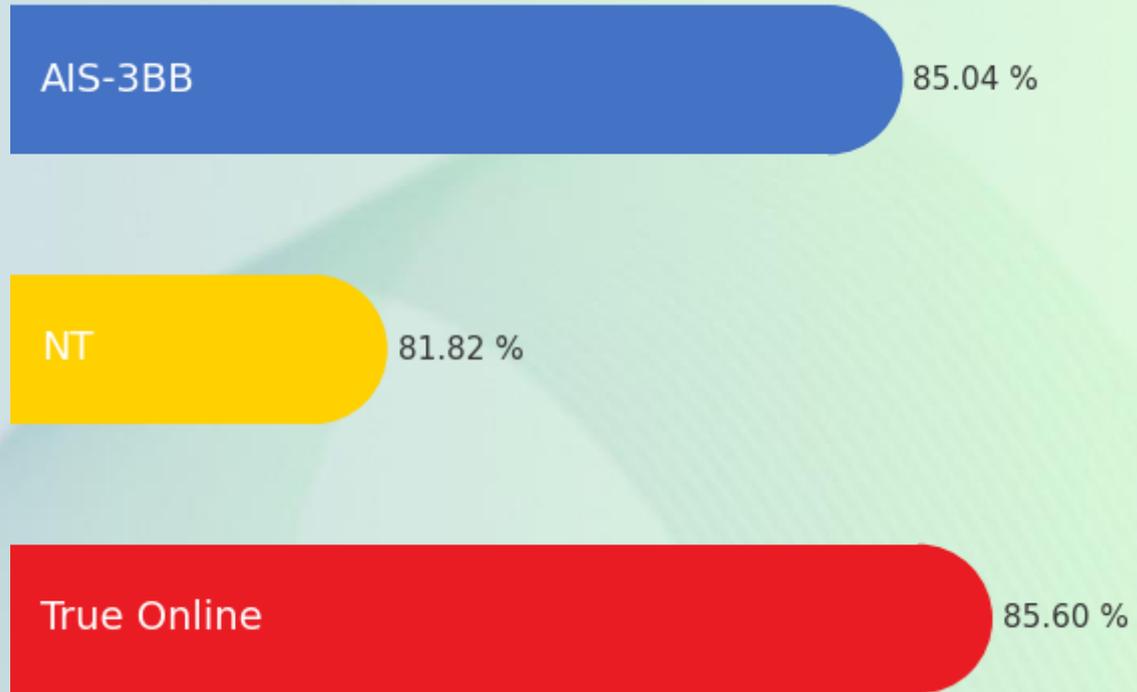
Browsing Performance evolution over the year (average)



Source : nPerf.com



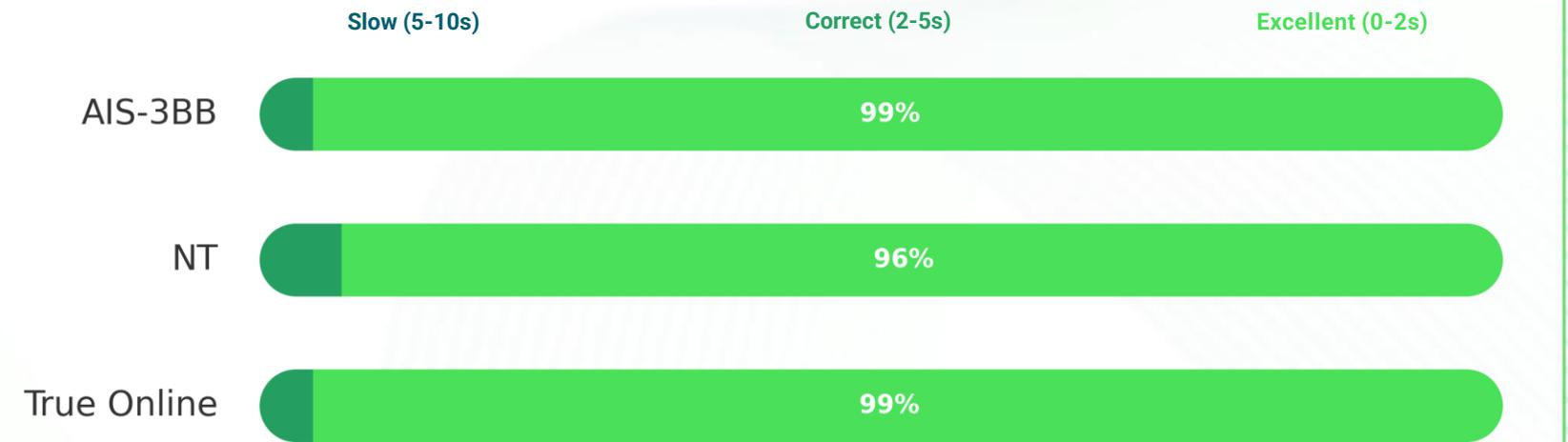
Streaming Performance (average)



Source : nPerf.com

The subscribers of True Online enjoyed the best Fixed Internet Streaming Performance in 2025.

Streaming Performance results ventilation (average)



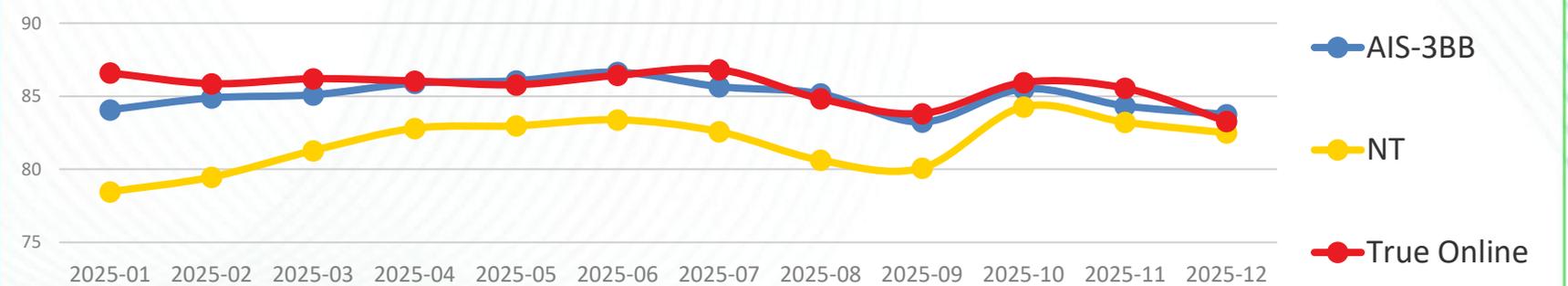
Source : nPerf.com

Streaming Performance (average)



Source : nPerf.com

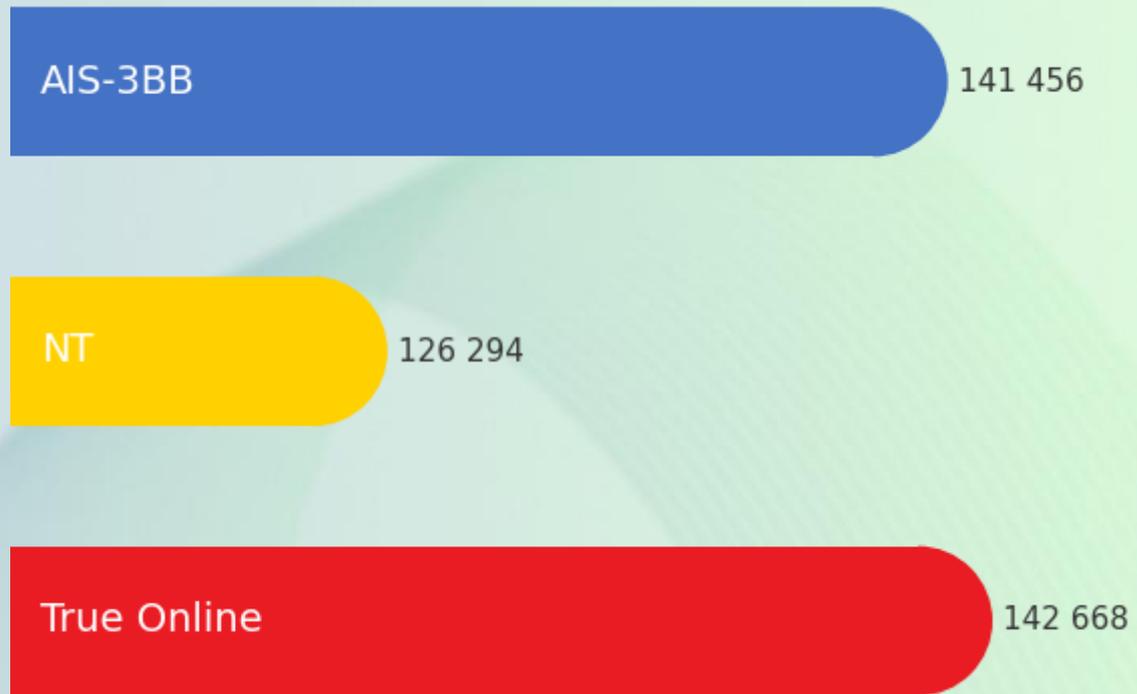
Streaming Performance evolution over the year (average)



Source : nPerf.com



nPerf QoE nPerf Score (nPoints)



Source : nPerf.com

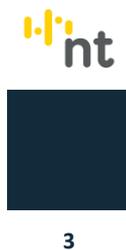
The subscribers of True Online enjoyed the best Fixed Internet performances in 2025.

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

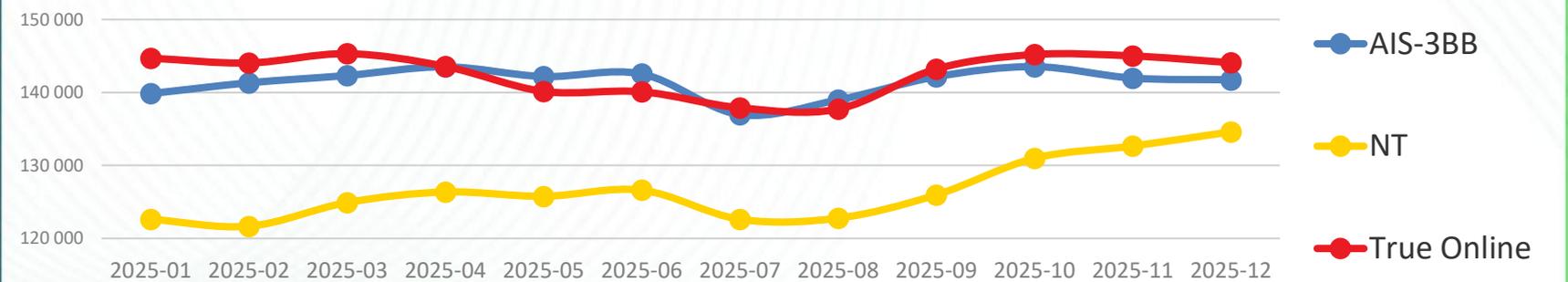


Best Fixed Internet performance in 2025



Source : nPerf.com

nPerf QoE nPerf Score evolution over the year (average)



Source : nPerf.com



We qualify your connection