



Barometer of mobile Internet connections in Portugal

01/01/2025 - 12/31/2025



January 2026



V1.0

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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.



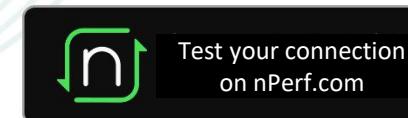
26Md+ coverage
scans in total.



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 MEO and NOS enjoyed the best Mobile Internet performances in 2025 in Portugal.

Mobile Internet performance in Portugal

Digi MEO NOS Vodafone

▼ Download bitrates (Mb/s)	71.86	246.15	244.25	140.26
▲ Upload bitrates (Mb/s)	17.71	36.82	30.95	21.16
◀▶ Latency (ms)	39.06	27.80	27.63	34.57
🌐 Web browsing (%)	67.25	67.96	70.19	69.11
▢Youtube streaming (%)	75.98	77.35	80.12	78.86
nPerf Score (nPoints)	79 641	103 717	106 261	92 761

Source : nPerf.com



Best Mobile Internet performance
in 2025

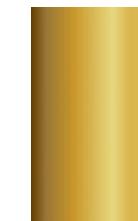


Source : nPerf.com



DIGI

4



1



1



3

Source : nPerf.com

The subscribers of MEO enjoyed the best 5G Internet in 2025 in Portugal.

Mobile Internet performance in Portugal

	Digi	<u>MEO</u>	NOS	Vodafone
⬇️ Download bitrates (Mb/s)	126.17	522.56	316.96	218.51
⬆️ Upload bitrates (Mb/s)	30.83	76.13	39.15	28.54
◀▶ Latency (ms)	28.57	23.53	26.09	33.80
🌐 Web browsing (%)	71.43	73.77	74.01	71.39
🎥 Youtube streaming (%)	77.95	78.61	79.13	78.62



nPerf Score (nPoints)

97 337

124 595

113 670

101 350

Source : nPerf.com

The Portuguese mobile Internet sector displays an average score of 95,595 nPoints. MEO and NOS share leadership ex-aequo with 103,717 and 106,261 nPoints respectively, dominating download speeds and streaming. The sector shows strong competition at the top tier, with two operators exceeding 100,000 nPoints and delivering consistent 5G performance.

NOS: shared leadership with balanced strengths

NOS claims first place ex-aequo with 106,261 nPoints and records a progression of 1.8%. The operator shares top position on download speed with 244.25 Mbps, ideal for HD streaming. It dominates latency with 27.63 ms, perfect for online gaming and real-time communications. Leader in browsing (70.19%) and video streaming (80.12%), NOS delivers a fluid user experience across all usage scenarios.

MEO: comprehensive quality

MEO shares first place ex-aequo with 103,717 nPoints and leads download speed with 246.15 Mbps, ensuring seamless content downloads. The operator dominates upload speed with 36.82 Mbps, guaranteeing quality video conferencing and content sharing. With

strong latency performance (27.80 ms, 2nd place), MEO maintains competitive positioning across core connectivity metrics.

Vodafone: solid mid-sector positioning

Vodafone ranks third with 92,761 nPoints and distinguishes itself in browsing (69.11%, 2nd place) and video streaming (78.86%, 2nd place). The operator delivers reliable performance for everyday digital activities.

Digi: strong sector progression

Digi ranks fourth with 79,641 nPoints and records strong progression of 20.5%. The operator demonstrates dynamic sector development with sustained improvement across connectivity indicators.

MEO and NOS consolidate their co-leadership with complementary strengths across download speeds, latency, and user experience. The sector shows healthy competition with two distinct performance tiers, while Digi's strong progression indicates increasing sector dynamism. Portuguese users benefit from high-quality mobile connectivity, particularly for streaming and data-intensive 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

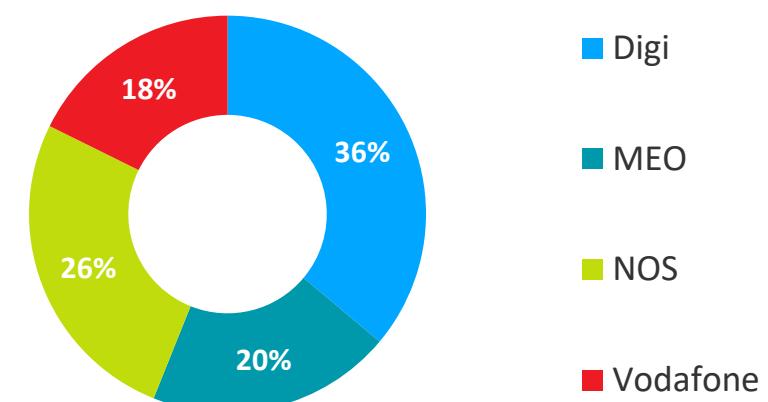
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 1.5% 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.

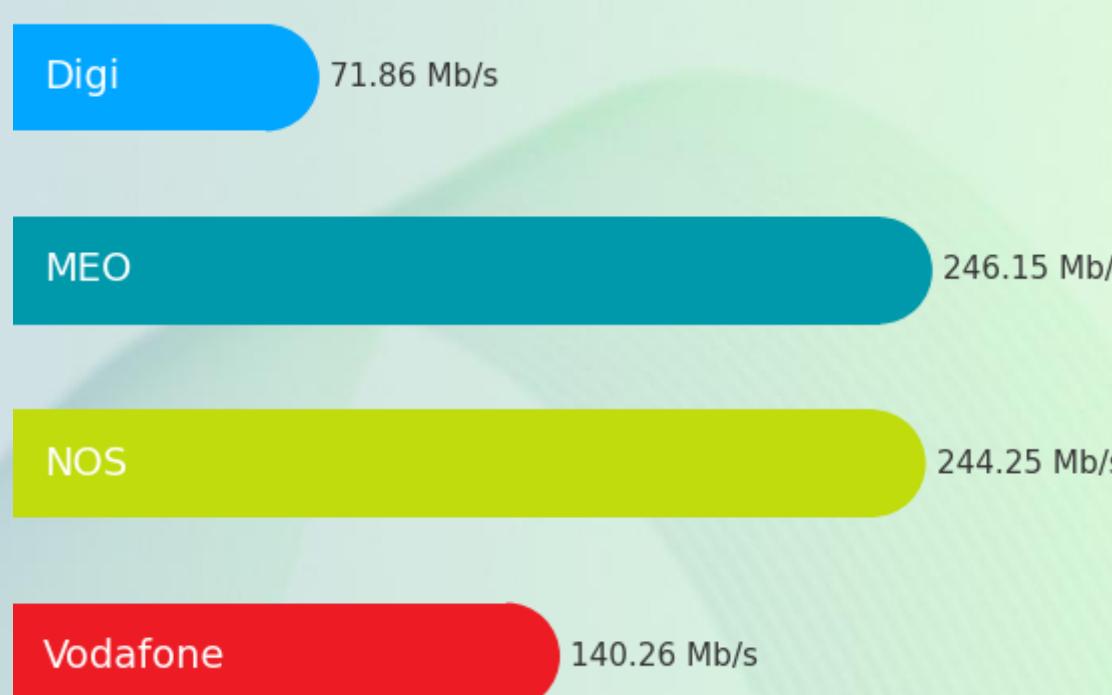
Overall distribution of the tests per provider (ISPs Share)



Source : nPerf.com

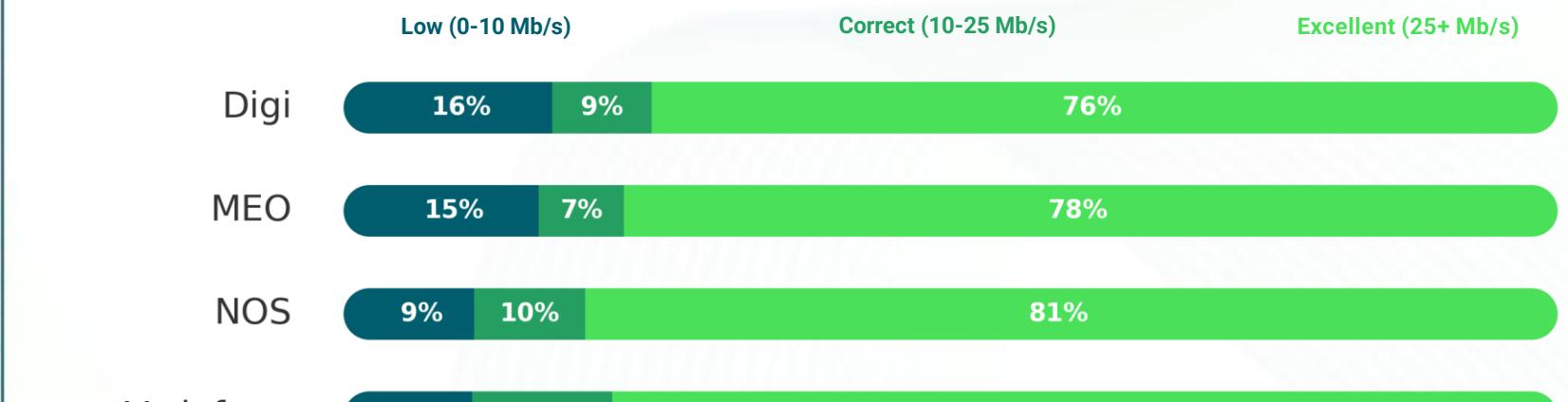


Download Speed (average)

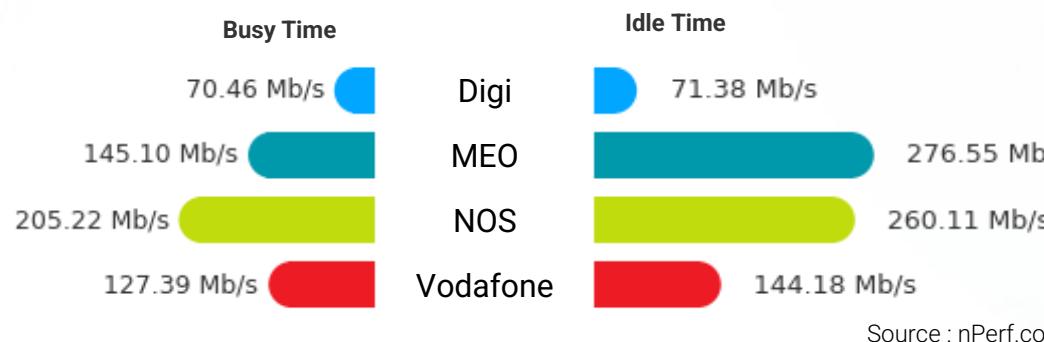


The subscribers of MEO and NOS enjoyed the best Mobile Internet Download Speed in 2025.

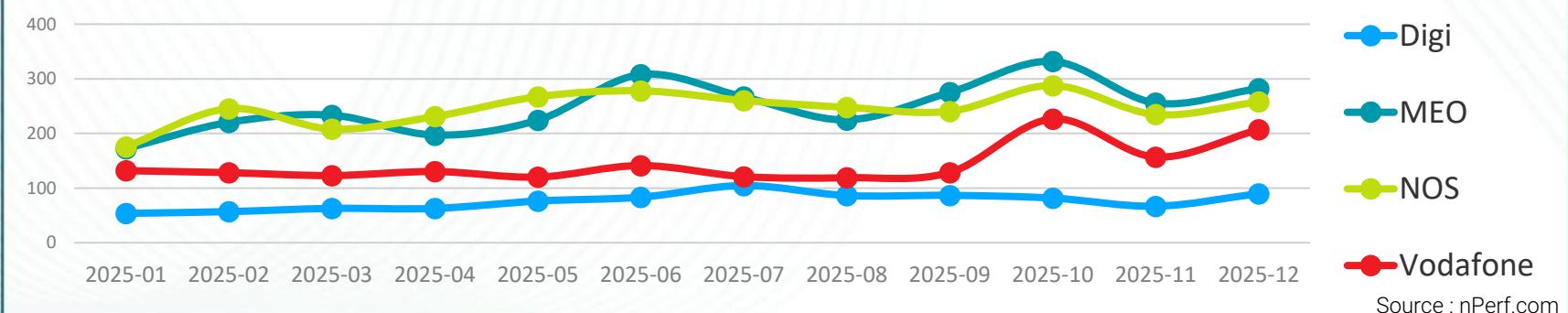
Download Speed results ventilation (average)



Download Speed (average)



Download Speed evolution over the year (average)

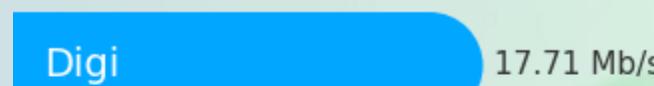




Upload Speed



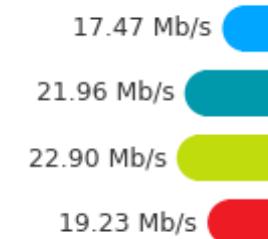
Upload Speed (average)



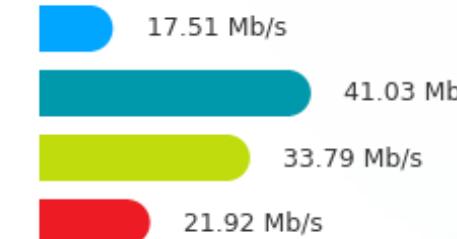
Source : nPerf.com

Upload Speed (average)

Busy Time



Idle Time



Source : nPerf.com

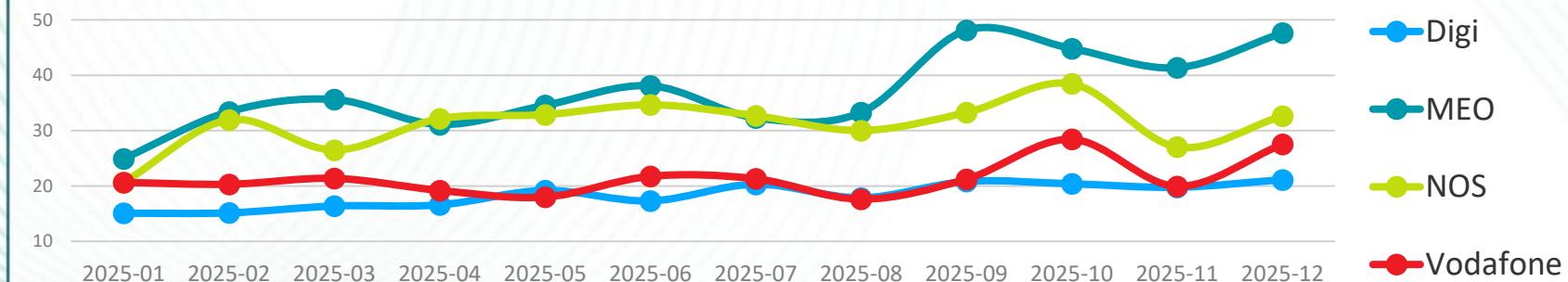
The subscribers of MEO enjoyed the best Mobile Internet Upload Speed in 2025.

Upload Speed results ventilation (average)



Source : nPerf.com

Upload Speed evolution over the year (average)



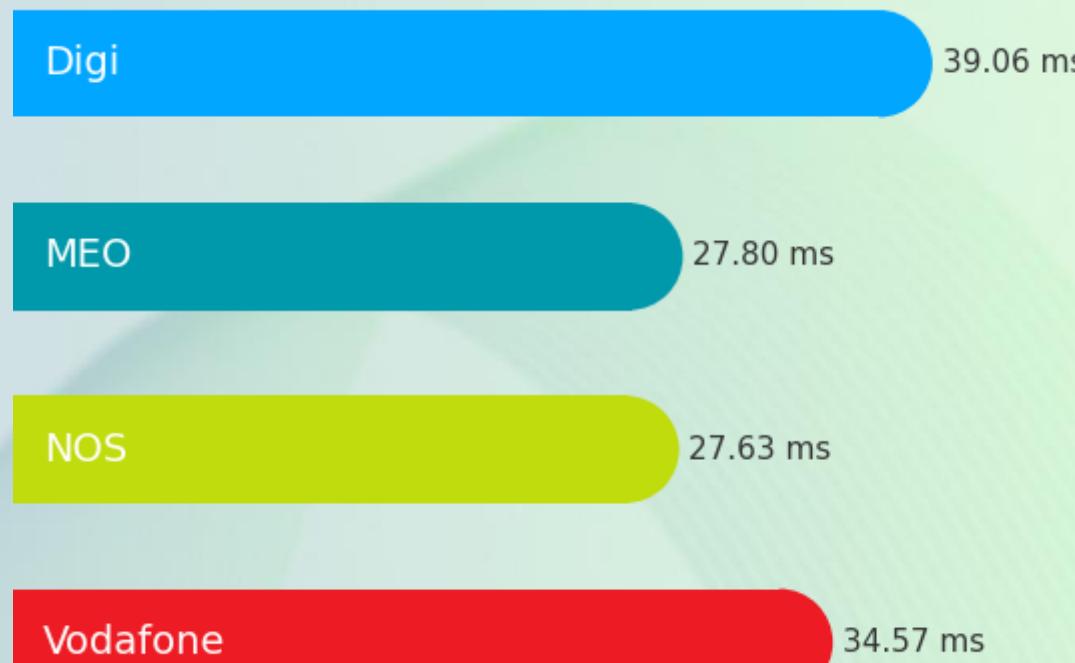
Source : nPerf.com



Latency

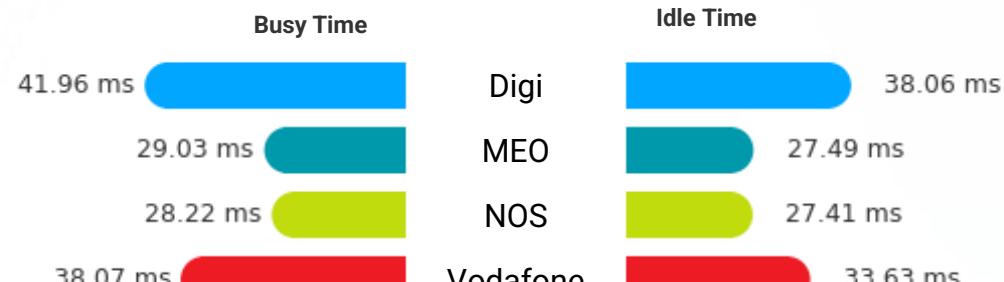


Latency (average)



Source : nPerf.com

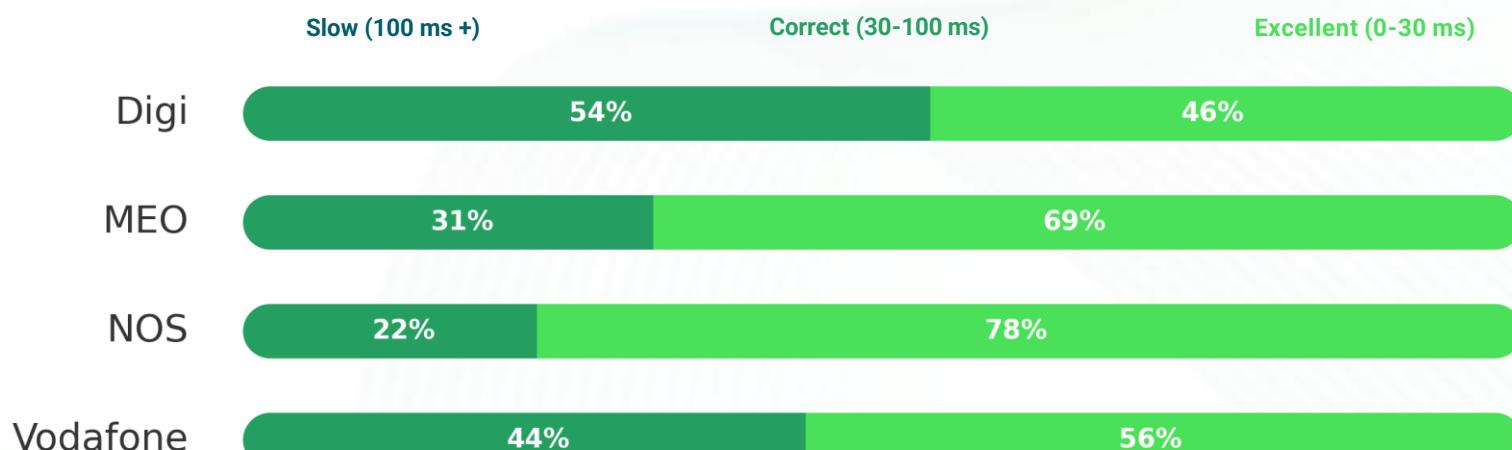
Latency (average)



Source : nPerf.com

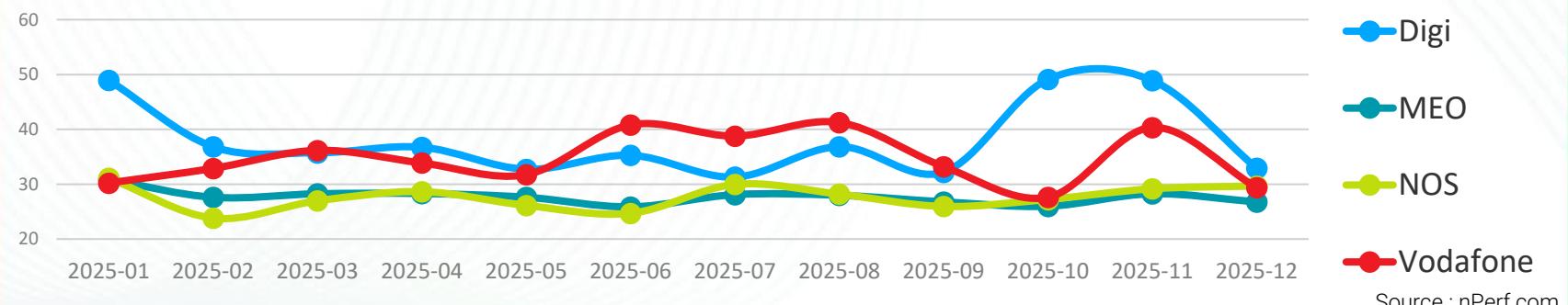
The subscribers of MEO and NOS enjoyed the best Mobile Internet Latency in 2025.

Latency results ventilation (average)



Source : nPerf.com

Latency evolution over the year (average)



Source : nPerf.com

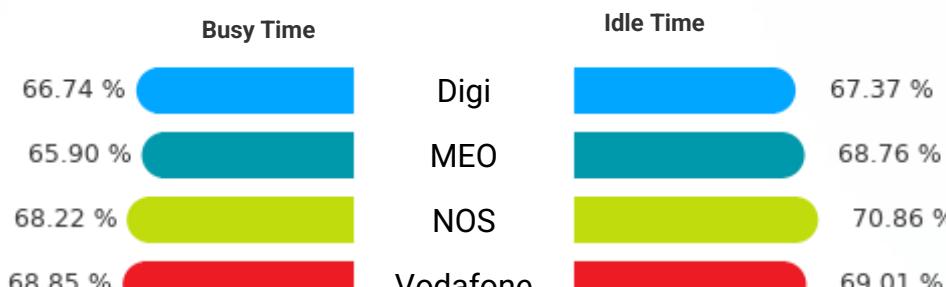


Browsing Performance (average)



Source : nPerf.com

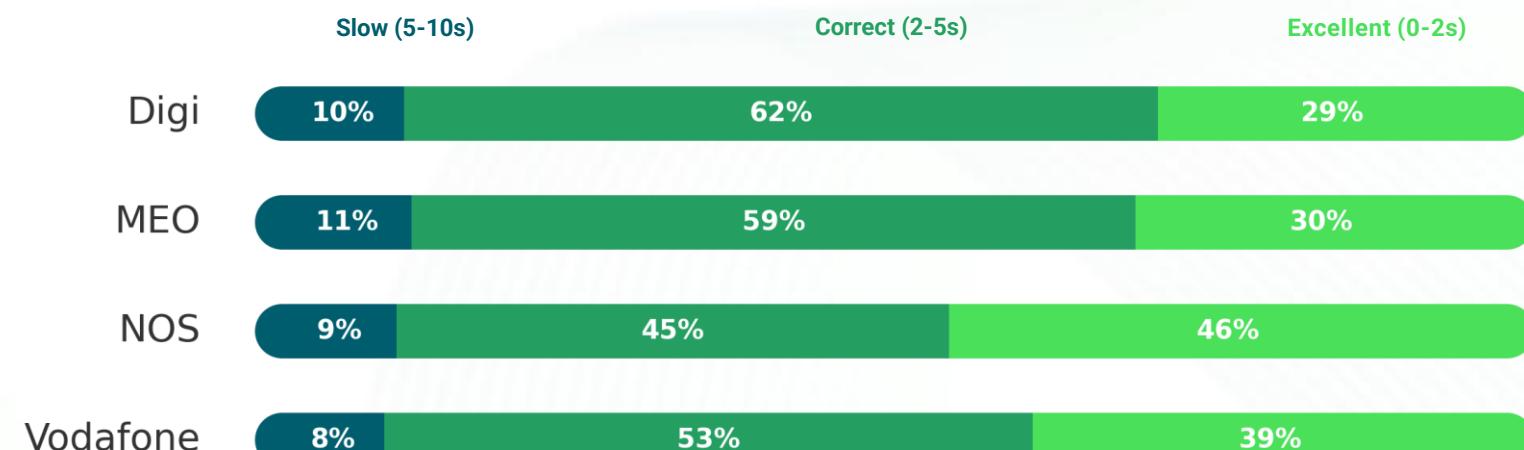
Browsing Performance (average)



Source : nPerf.com

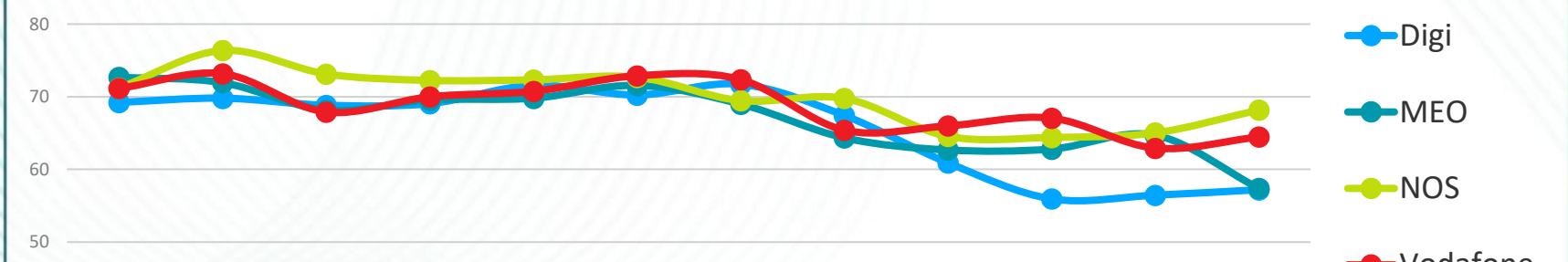
The subscribers of NOS enjoyed the best Mobile Internet Browsing Performance in 2025.

Browsing Performance results ventilation (average)



Source : nPerf.com

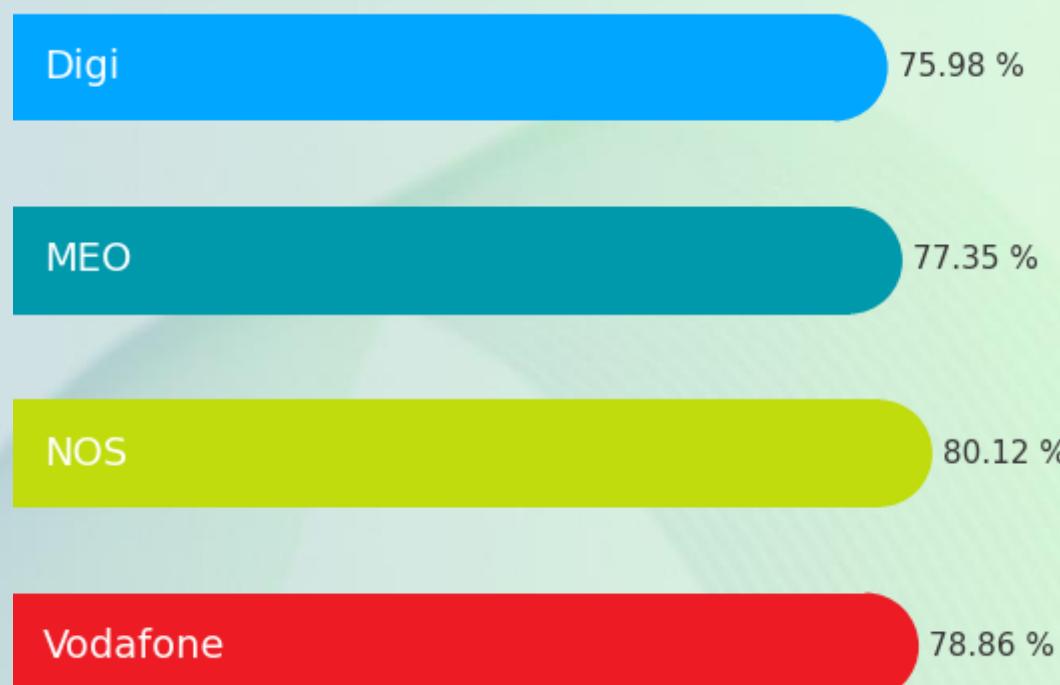
Browsing Performance evolution over the year (average)



Source : nPerf.com

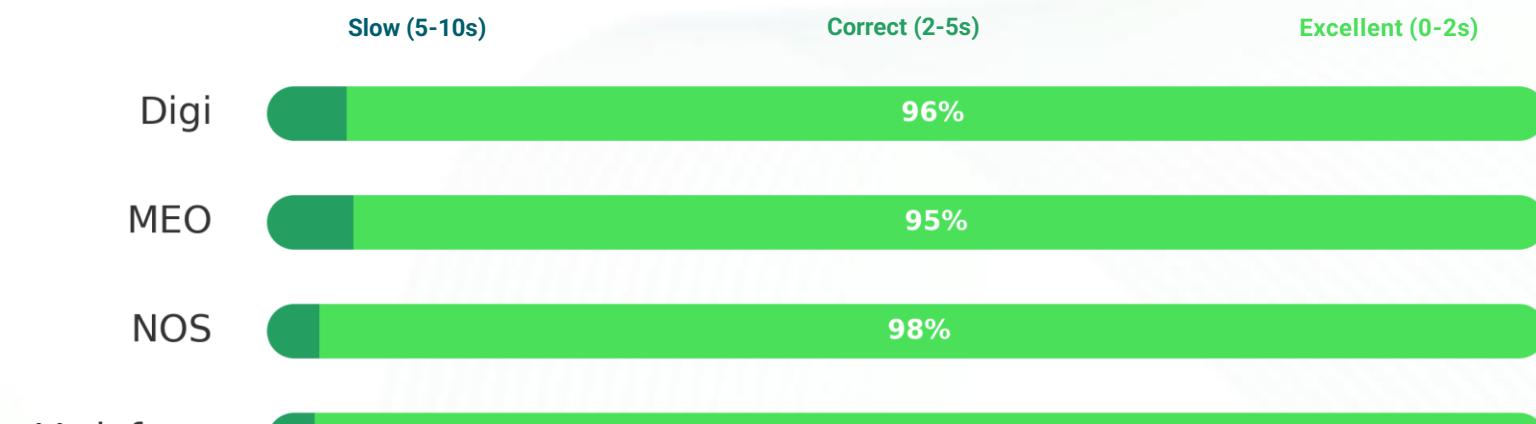


Streaming Performance (average)

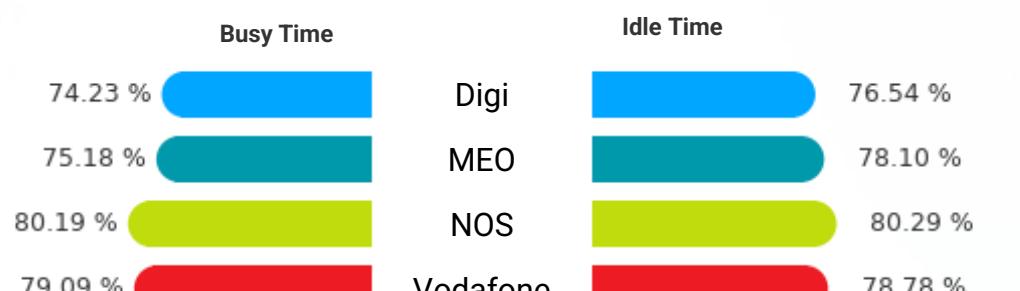


The subscribers of NOS enjoyed the best Mobile Internet Streaming Performance in 2025.

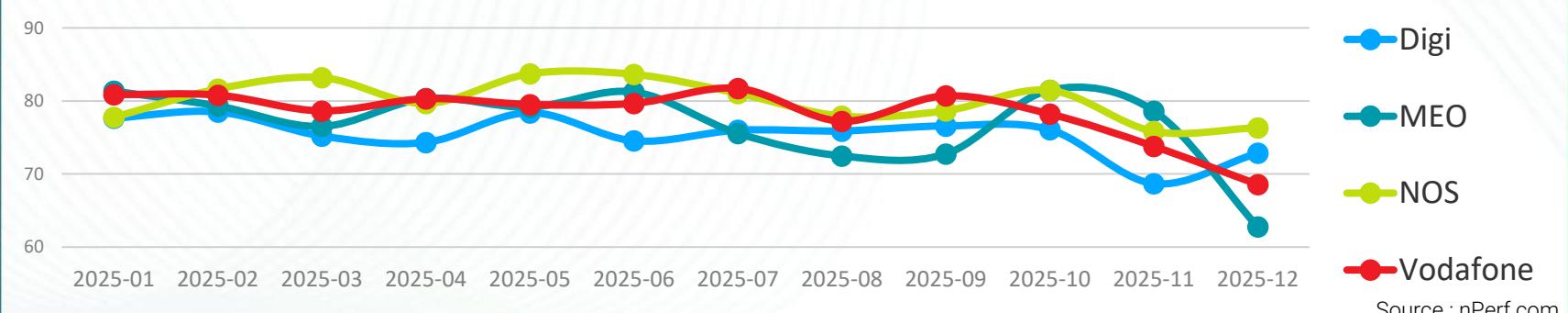
Streaming Performance results ventilation (average)



Streaming Performance (average)



Streaming Performance evolution over the year (average)



nPerf QoE nPerf Score (nPoints)

Digi

97 337

MEO

124 595

NOS

113 670

Vodafone

101 350

Source : nPerf.com

The subscribers of MEO enjoyed the best 5G Internet in 2025.

Best performances 5G: MEO

Fastest performances (Download Speed) 5G: MEO

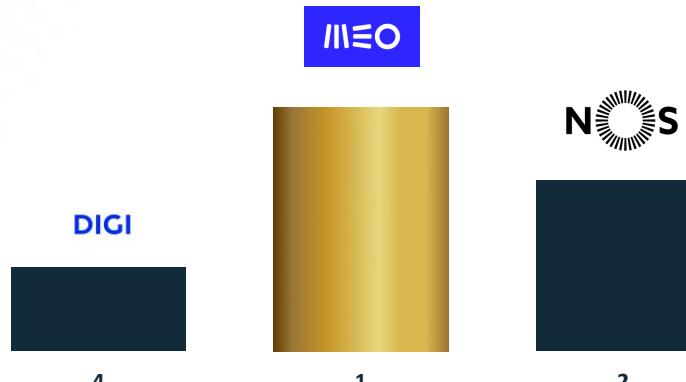
Fastest performances (Upload Speed) 5G: MEO

5G connections with the lowest latency: MEO

Best web browsing performances 5G: MEO and NOS

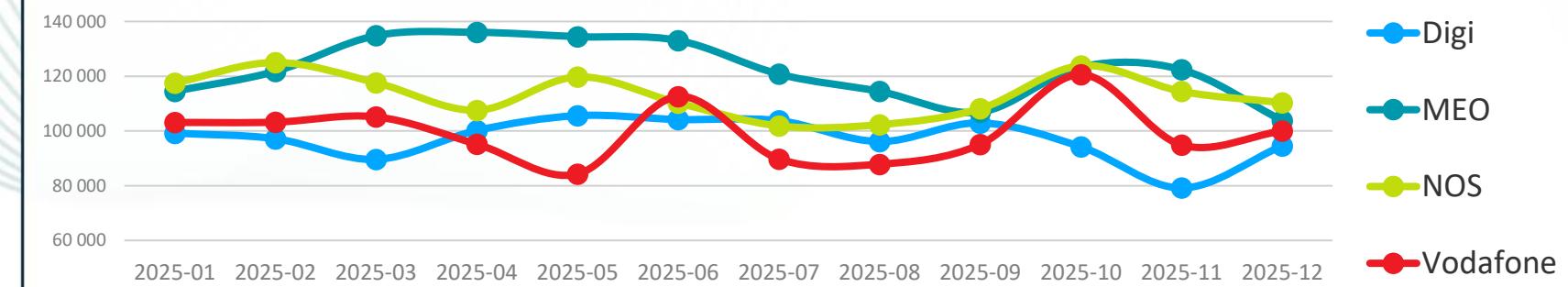
Best streaming performances 5G: Digi, MEO, NOS and Vodafone

Source : nPerf.com



Source : nPerf.com

5G evolution over the year (average)



Source : nPerf.com

nPerf QoE nPerf Score (nPoints)

Digi

79 641

MEO

103 717

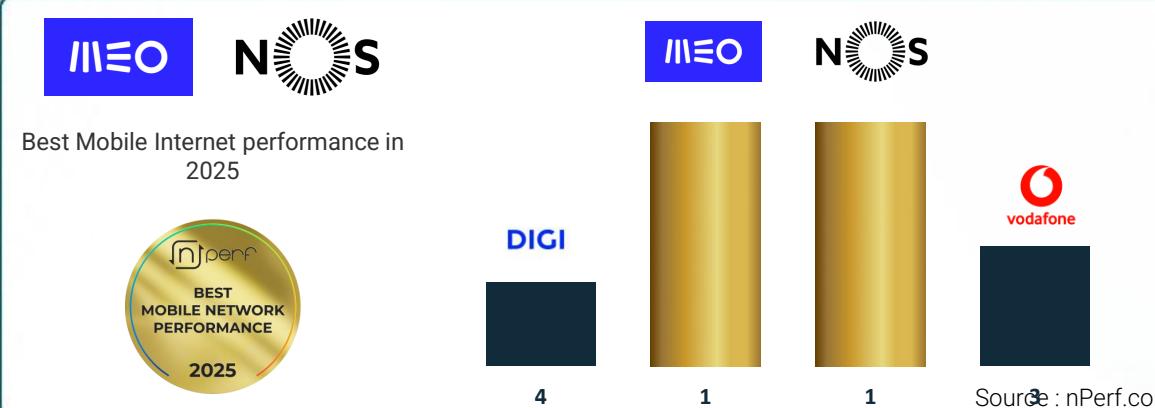
NOS

106 261

Vodafone

92 761

Source : nPerf.com



The subscribers of MEO and NOS enjoyed the best Mobile 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

nPerf QoE nPerf Score evolution over the year (average)

