

January 2026



Barometer of mobile Internet connections in Germany

01/01/2025 - 12/31/2025



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.



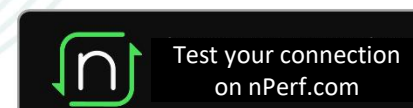
26Md+ coverage
scans in total.



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

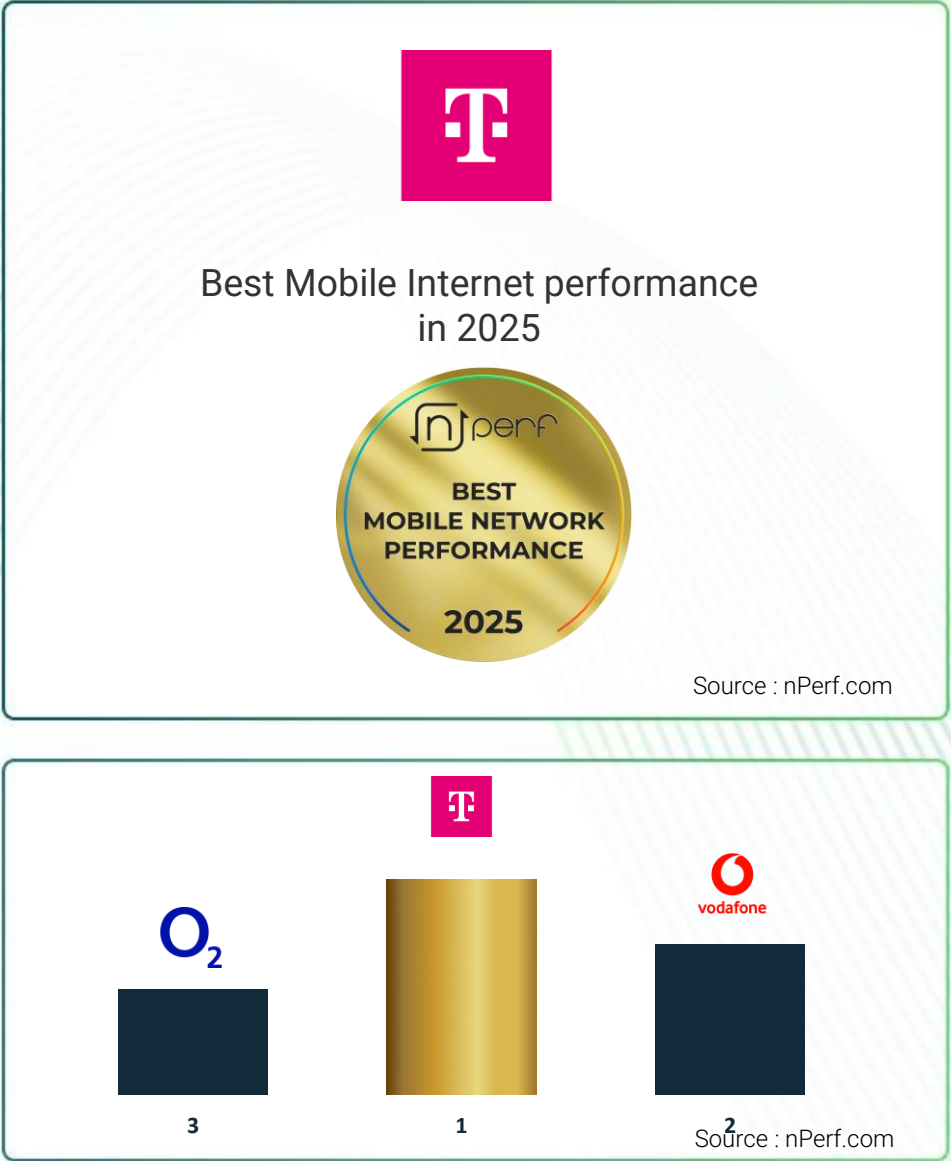


The subscribers of Telekom enjoyed the best Mobile Internet performances in 2025 in Germany.

Mobile Internet performance in Germany

	02	Telekom	Vodafone
▼ Download bitrates (Mb/s)	70.95	147.00	92.07
▲ Upload bitrates (Mb/s)	14.60	25.33	17.50
◀▶ Latency (ms)	35.98	30.16	37.13
🌐 Web browsing (%)	69.56	75.50	70.68
📺 Youtube streaming (%)	76.03	79.88	77.27
📶 nPerf Score (nPoints)	80 799	101 089	85 762

Source : nPerf.com



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

Mobile Internet performance in Germany

	02	<u>Telekom</u>	Vodafone
 Download bitrates (Mb/s)	102.48	191.70	136.32
 Upload bitrates (Mb/s)	21.09	35.78	25.59
 Latency (ms)	37.30	28.63	37.34
 Web browsing (%)	74.06	76.28	73.18
 Youtube streaming (%)	76.89	77.52	78.82
 nPerf Score (nPoints)	89 817	106 145	94 995

Source : nPerf.com

The German mobile Internet sector displays an average score of 89,217 nPoints. Telekom stands as the leader with 101,089 nPoints and dominates across download speed, upload speed, and browsing. The sector is characterized by strong competition between three major operators and solid overall performance levels on 5G networks.

Telekom: consolidated leadership position

Telekom leads the sector with 101,089 nPoints and dominates all key performance indicators. The operator achieves the best download speed with 147.0 Mbps, ideal for HD streaming and fast content downloads. It also secures first place in upload speed (25.3 Mbps), ensuring quality video conferencing and content sharing. Leading in browsing (75.5%) and video streaming (79.9%), Telekom delivers a well-balanced user experience across all usage scenarios.

Vodafone: competitive download performance

Vodafone ranks second with 85,762 nPoints and achieves solid download speed performance at 92.1 Mbps (2nd place). The operator displays competitive upload speeds with 17.5 Mbps (2nd place), supporting reliable video calls and file sharing. With strong video streaming performance (77.3%, 2nd place), Vodafone ensures smooth

content viewing for its users.

O2: optimal latency

O2 ranks third with 80,799 nPoints and achieves the best latency in the sector at 36.0 ms, ideal for online gaming and real-time communications. The operator delivers competitive upload speed at 14.6 Mbps (2nd place), supporting efficient video conferencing needs.

Telekom consolidates its leadership with balanced performances across all indicators on the 5G network. The sector demonstrates strong competition between three national operators, with download speed ranging from 71 to 147 Mbps. German users benefit from high-quality mobile services, particularly for streaming and real-time 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

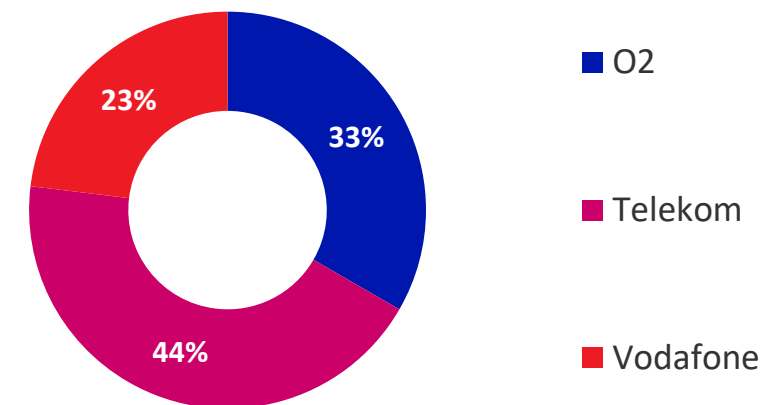
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 1.4% 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)



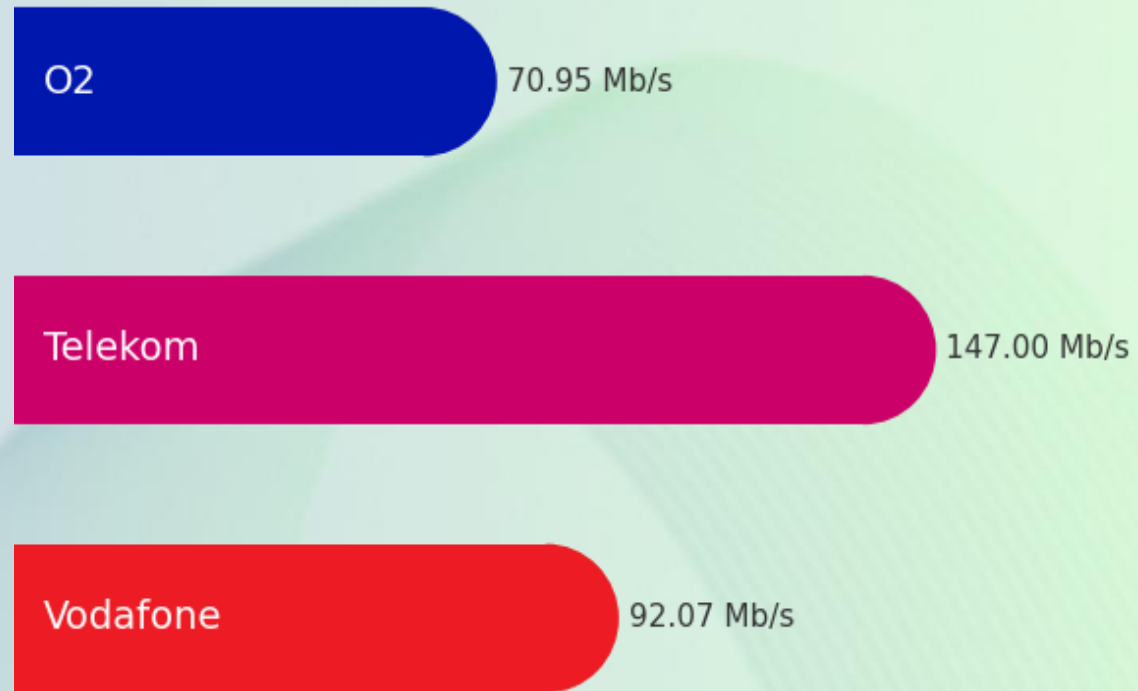
Source : nPerf.com



Download Speed



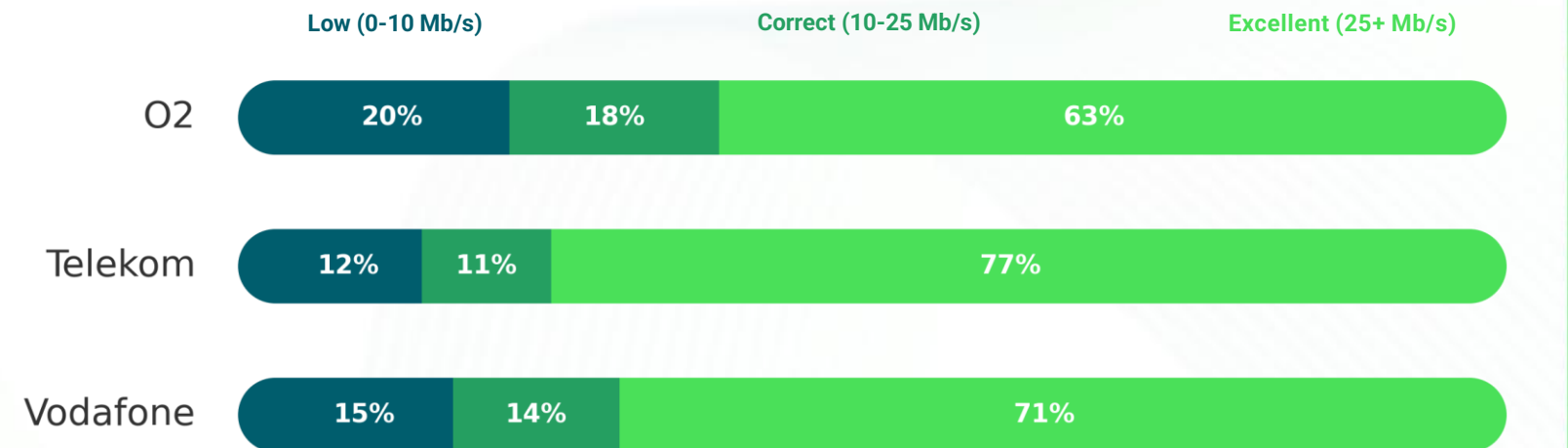
Download Speed (average)



Source : nPerf.com

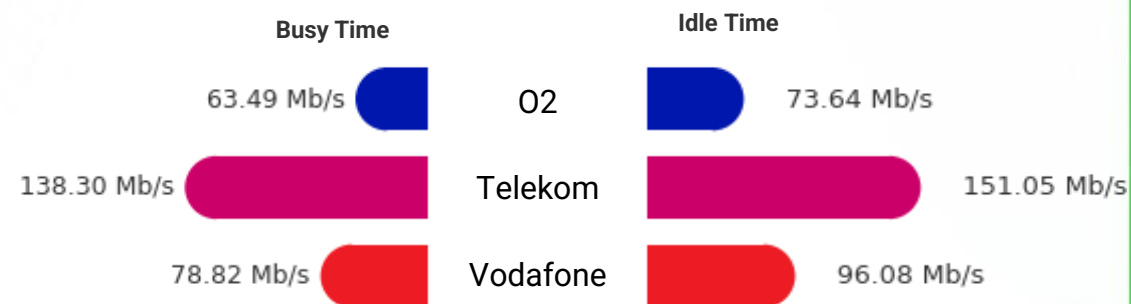
The subscribers of Telekom enjoyed the best Mobile Internet Download Speed in 2025.

Download Speed results ventilation (average)



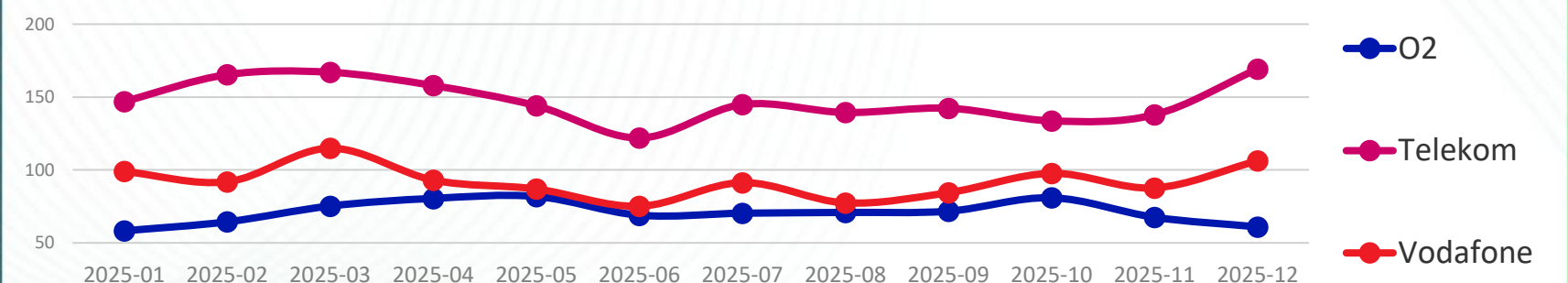
Source : nPerf.com

Download Speed (average)



Source : nPerf.com

Download Speed evolution over the year (average)



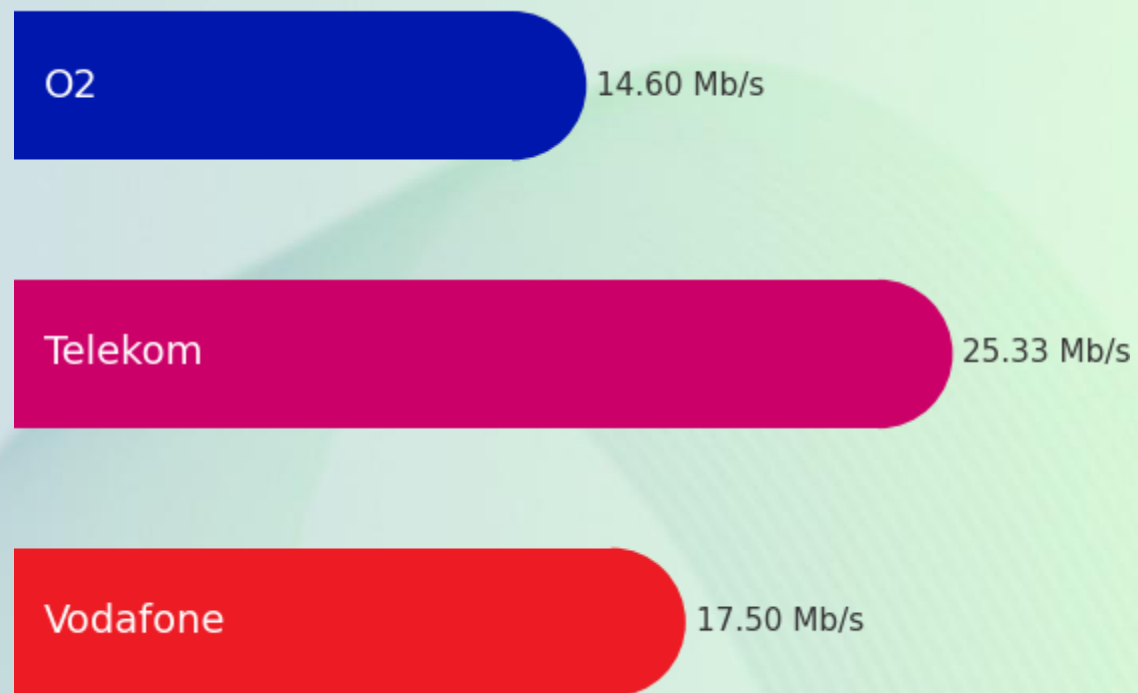
Source : nPerf.com



Upload Speed



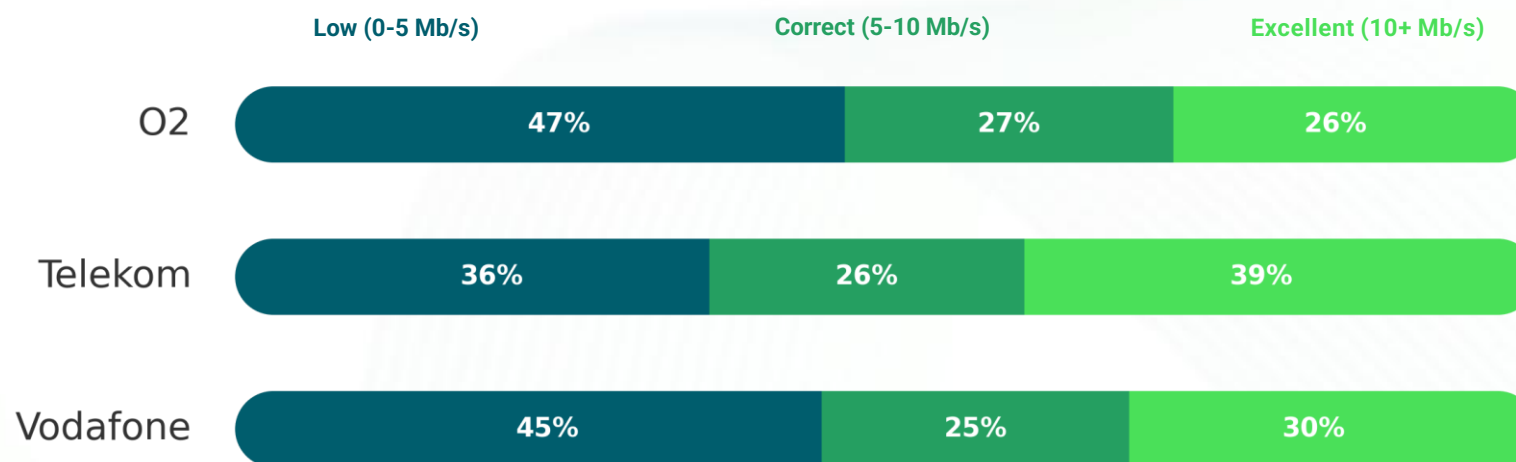
Upload Speed (average)



Source : nPerf.com

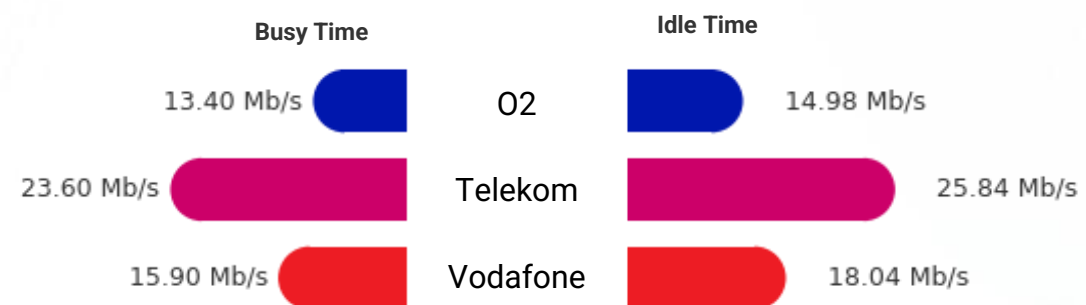
The subscribers of Telekom enjoyed the best Mobile Internet Upload Speed in 2025.

Upload Speed results ventilation (average)



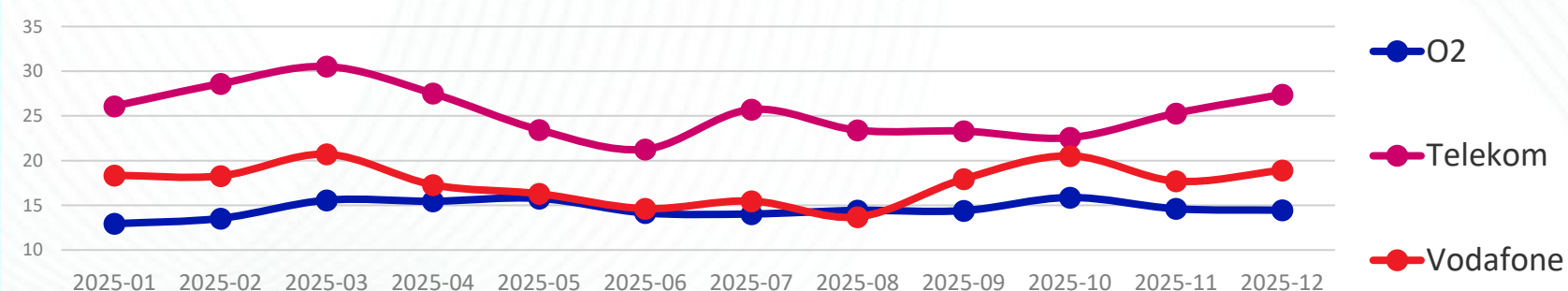
Source : nPerf.com

Upload Speed (average)



Source : nPerf.com

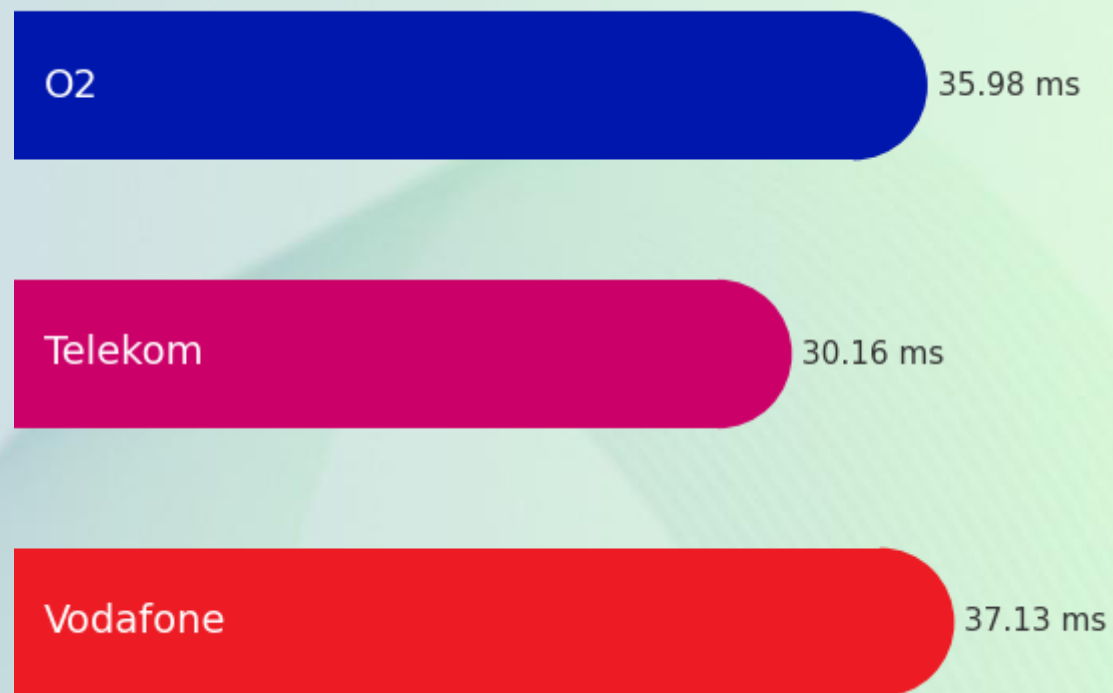
Upload Speed evolution over the year (average)



Source : nPerf.com



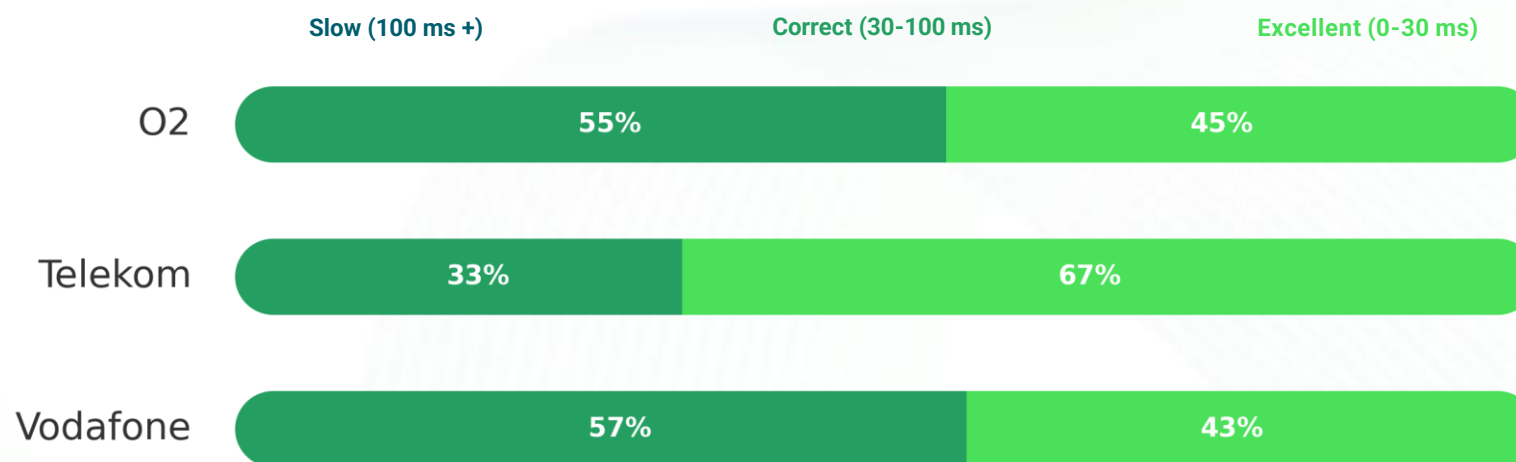
Latency (average)



Source : nPerf.com

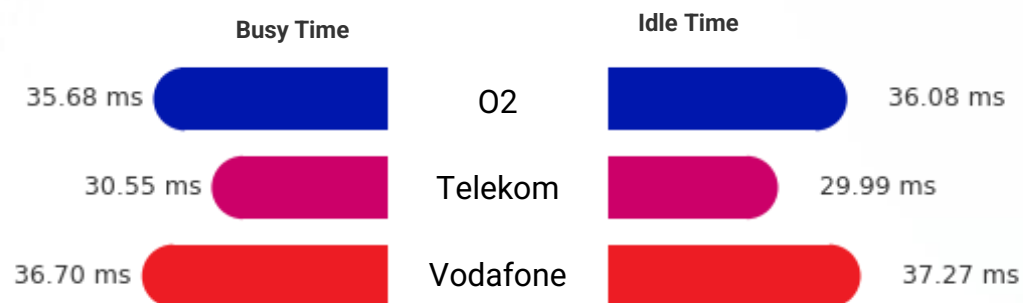
The subscribers of Telekom enjoyed the best Mobile Internet Latency in 2025.

Latency results ventilation (average)



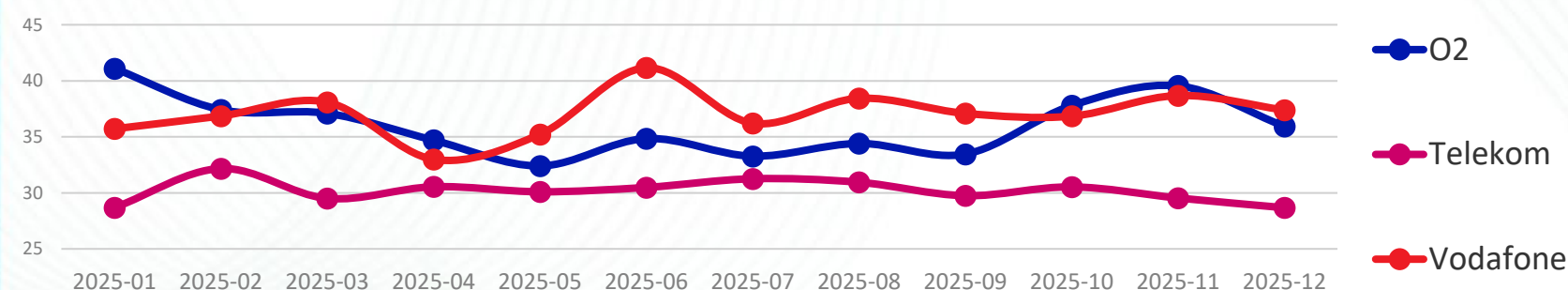
Source : nPerf.com

Latency (average)



Source : nPerf.com

Latency evolution over the year (average)



Source : nPerf.com



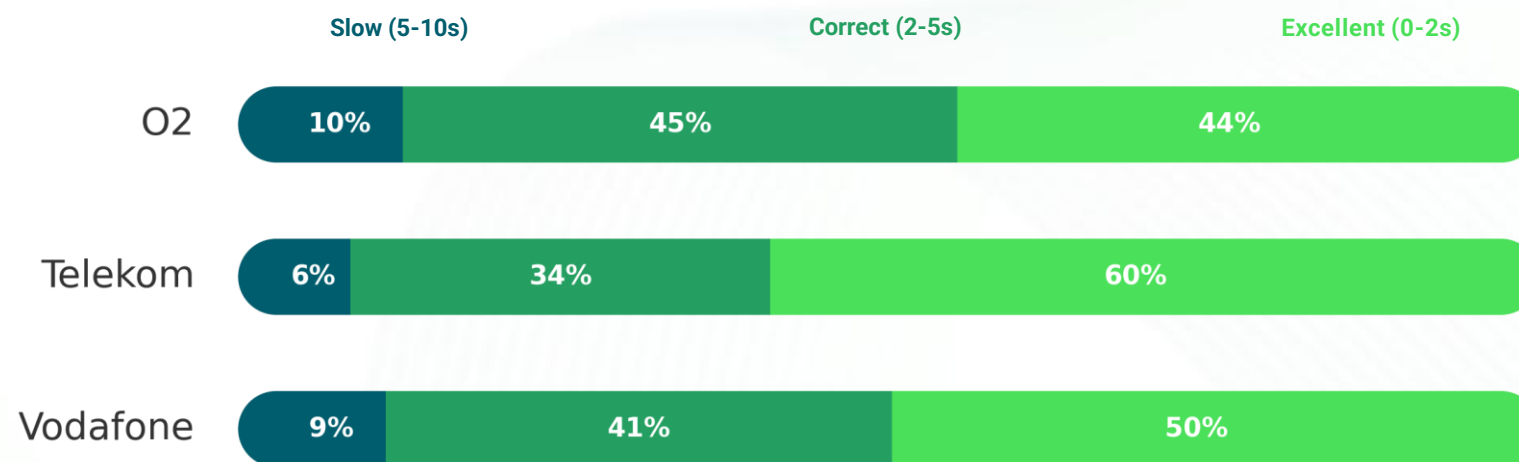
Browsing Performance (average)



Source : nPerf.com

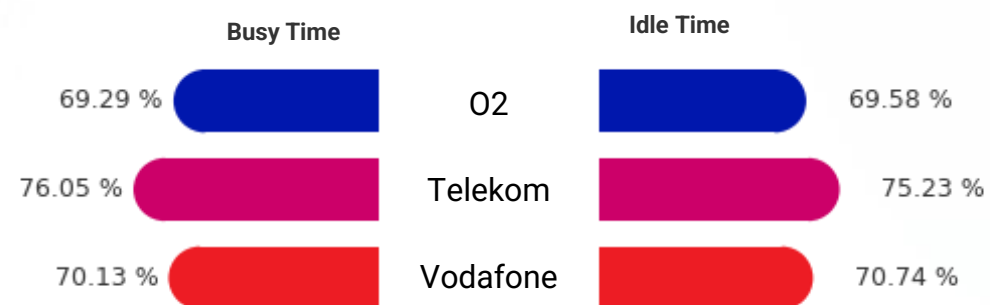
The subscribers of Telekom enjoyed the best Mobile Internet Browsing Performance in 2025.

Browsing Performance results ventilation (average)



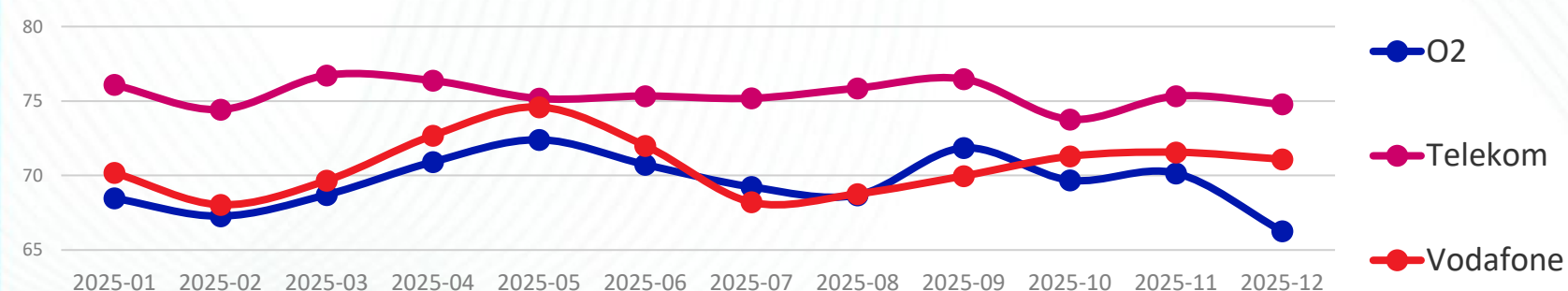
Source : nPerf.com

Browsing Performance (average)



Source : nPerf.com

Browsing Performance evolution over the year (average)



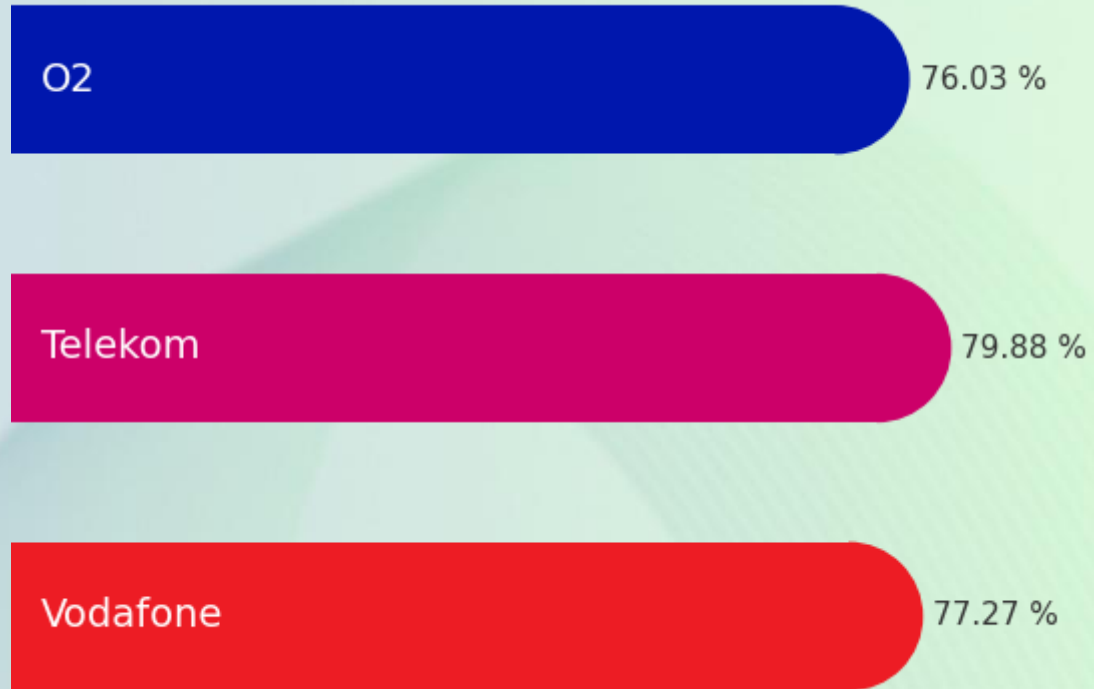
Source : nPerf.com



Streaming Performance



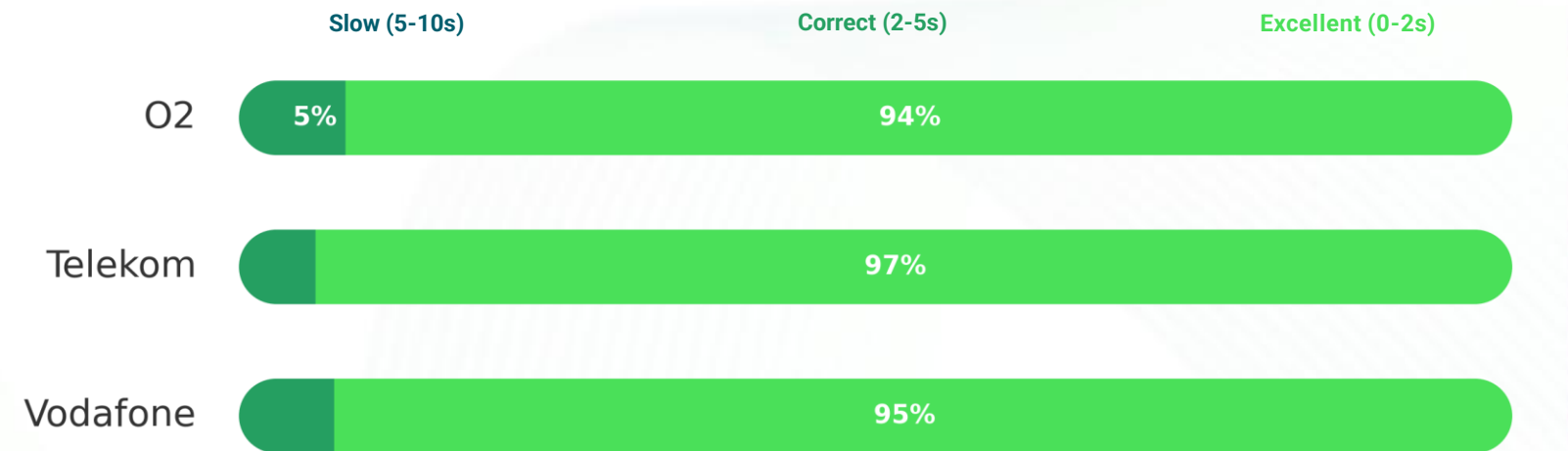
Streaming Performance (average)



Source : nPerf.com

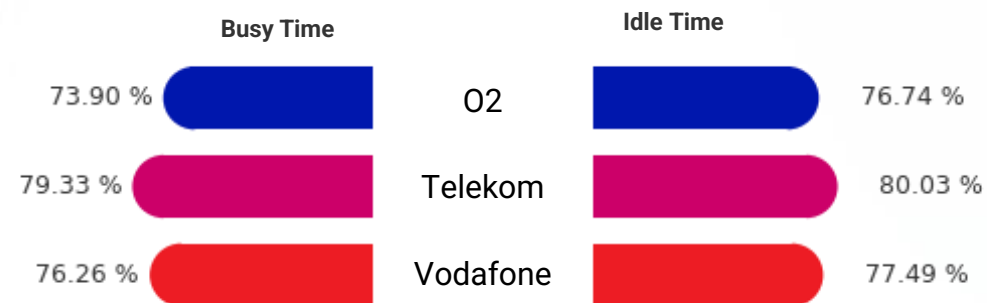
The subscribers of Telekom enjoyed the best Mobile Internet Streaming Performance in 2025.

Streaming Performance results ventilation (average)



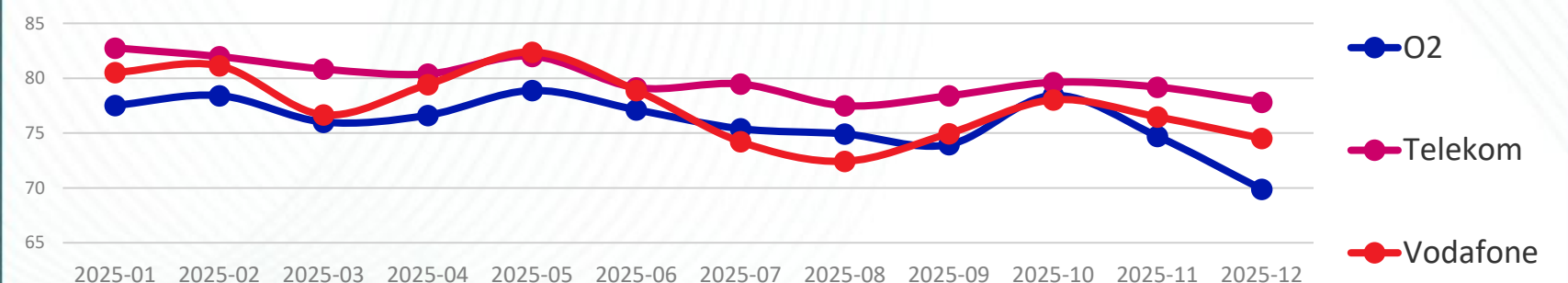
Source : nPerf.com

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 Telekom enjoyed the best 5G Internet in 2025.

Best performances 5G: Telekom

Fastest performances (Download Speed) 5G: Telekom

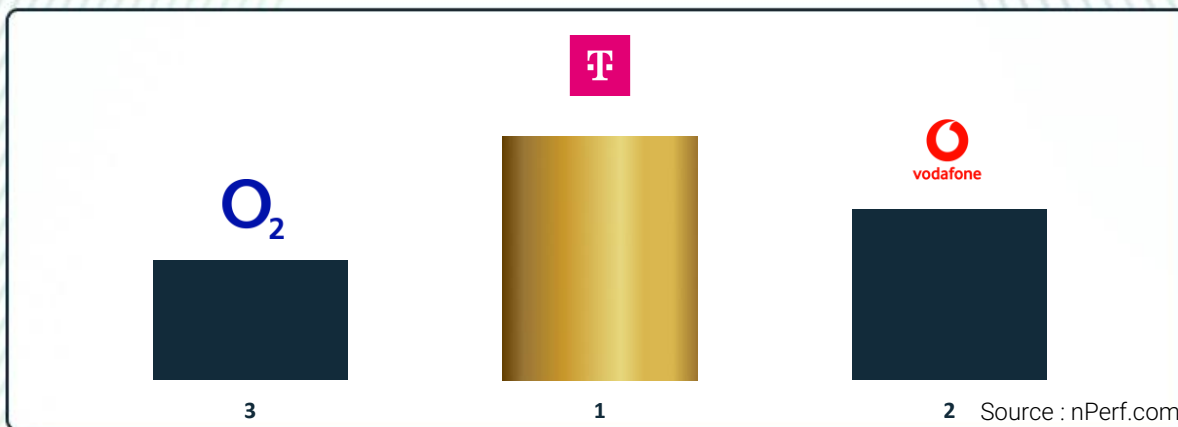
Fastest performances (Upload Speed) 5G: Telekom

5G connections with the lowest latency: Telekom

Best web browsing performances 5G: Telekom

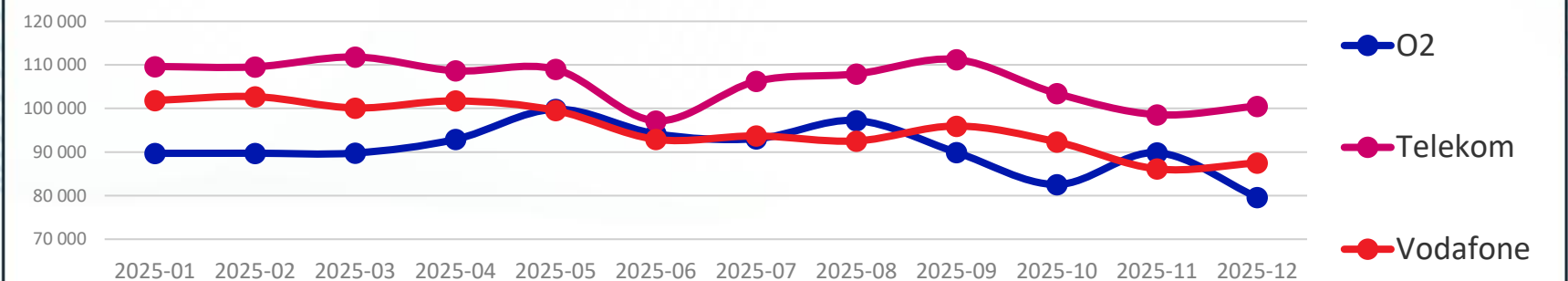
Best streaming performances 5G: Telekom and Vodafone

Source : nPerf.com



Source : nPerf.com

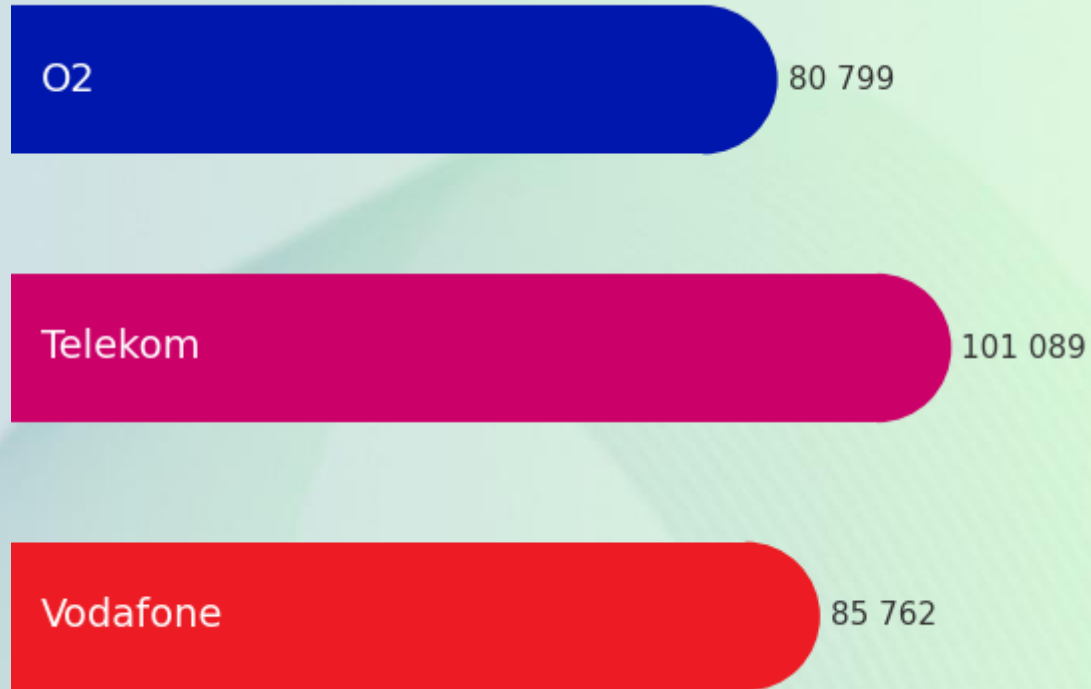
5G evolution over the year (average)



Source : nPerf.com



nPerf QoE nPerf Score (nPoints)

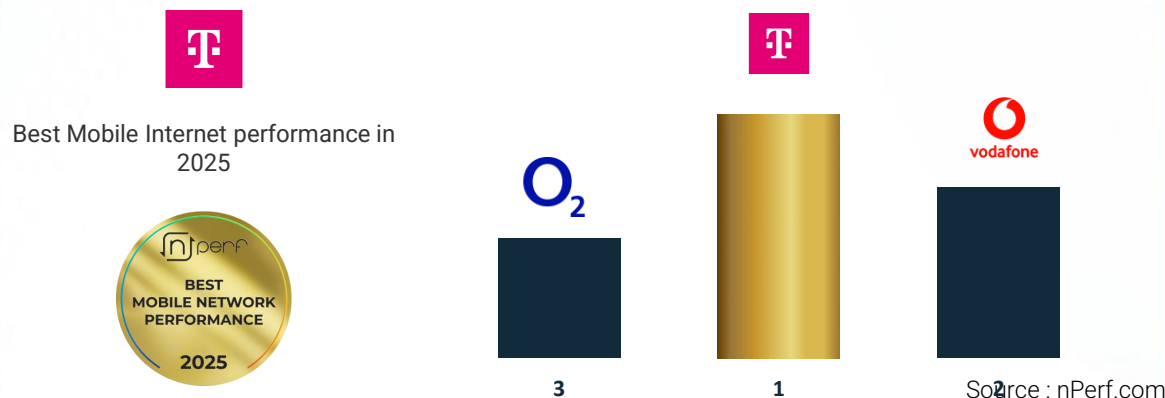


Source : nPerf.com

The subscribers of Telekom enjoyed the best Mobile Internet performances in 2025.

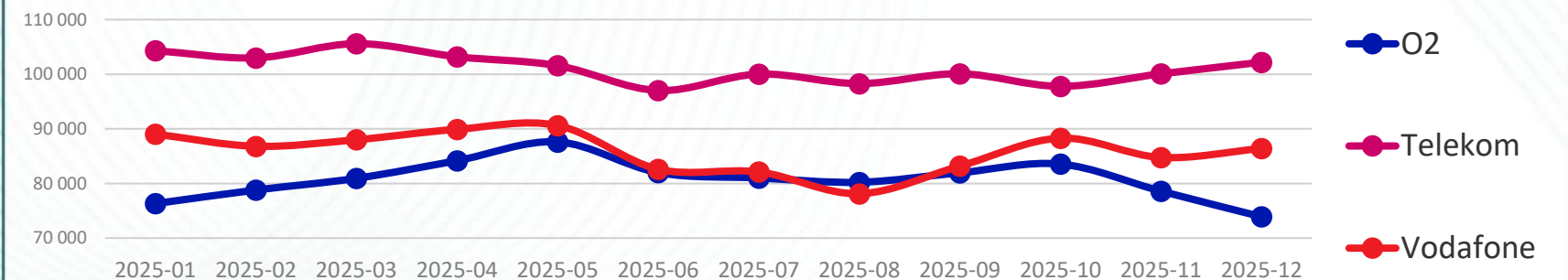
The nPerf score takes into account the measured bitrates, the latency and the QoE tests. The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user. Thus, this score reflects the overall quality of the connection experienced by the user.

Source : nPerf.com



Source : nPerf.com

nPerf QoE nPerf Score evolution over the year (average)



Source : nPerf.com

