Barometer of mobile Internet connections in Netherlands

07/01/2024 - 06/30/2025

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.
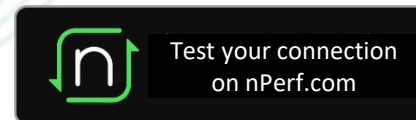
300k+ tests daily worldwide.

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! Download our app or visit our website!

Télécharger dans l'App Store

DISPONIBLE SUR Google Play

Test your connection on nPerf.com

The subscribers of KPN and Odido enjoyed the best mobile Internet performances in 2025.

Mobile Internet connections in Netherlands

	KPN	Odido	Vodafone
Download speedss (Mb/s)	156.57	197.86	83.04
Upload speedss (Mb/s)	35.37	30.68	19.04
Latency (ms)	29.25	29.91	28.70
Web browsing (%)	82.82	83.11	82.65
Youtube streaming (%)	85.19	85.14	82.56
nPerf Score (nPoints)	112 855	114 804	99 016

Source : nPerf.com

kpn **ODIDO** Odido.nl

Best mobile Internet performance in 2025

No.1 MOBILE NETWORK PERFORMANCE
nPerf AWARDS

Source : nPerf.com

kpn ODIDO Odido.nl vodafone

Source : nPerf.com

The subscribers of KPN and Odido enjoyed the best 5G Internet performances in Netherlands in 2025.

5G mobile Internet connections in Netherlands

	KPN	Odido	Vodafone
Download speedss (Mb/s)	199.84	250.08	94.77
Upload speedss (Mb/s)	44.85	37.03	21.14
Latency (ms)	27.22	28.44	25.29
Web browsing (%)	85.03	87.32	86.50
Youtube streaming (%)	86.86	88.02	85.26
nPerf Score (nPoints)	121 558	125 030	107 530

Source : nPerf.com

Introduction

In the Dutch mobile Internet sector, KPN and Odido share the lead, with both operators achieving excellent results in the current period. The Netherlands demonstrates solid mobile performance with operators delivering competitive services across all key metrics. In 5G technology specifically, both KPN and Odido stand out with impressive scores. Regarding individual metrics, Odido leads in download speeds, offering users efficient streaming and downloading capabilities, while KPN delivers the best upload speeds, ideal for video conferencing. Vodafone provides the lowest latency, perfect for responsive online gaming, while all three major operators demonstrate strong performance in browsing and video streaming experiences.

Odido: Strong download performance and overall co-leader

With a score of 114,804 nPoints, Odido shares the top position in the Dutch mobile sector with KPN. The operator is also n°1 in 5G with KPN and excels particularly in download speeds, reaching an impressive 197.9 Mbps, which represents a substantial 59.9% improvement. This performance allows users to enjoy seamless 4K streaming and quick downloads of large files. Odido also delivers good results in browsing (83.1%) and video streaming (85.1%), ensuring a smooth web experience. The operator has also improved its upload speeds by 10.9%, enhancing the quality of video calls and content sharing.

KPN: Balanced performance with upload strength and co-leader

KPN follows closely with 112,855 nPoints, sharing the top position on the mobile market and in the 5G segment with Odido. The operator is the undisputed n°1 in upload speeds at 35.4 Mbps, making it the best choice for users who frequently share content or participate in video conferences. KPN has improved its download speeds by 26.6%, now reaching 156.6 Mbps, while maintaining strong performance in browsing (82.8%) and video streaming (85.2%). These balanced results across all metrics ensure a reliable mobile experience for its customers.

Vodafone: Leading in responsiveness

Vodafone achieves 99,016 nPoints, securing the 3rd position in the overall ranking. The operator distinguishes itself by providing the best latency at 28.7 ms, representing a significant 19.3% improvement. This low latency ensures responsive online gaming and real-time applications. Vodafone also delivers solid browsing performance at 82.6% and comparable video streaming quality at 82.6%, offering users a dependable mobile experience.

Conclusion

The Dutch mobile sector demonstrates healthy competition with KPN and Odido sharing the leadership position. The significant improvements in key metrics across all operators highlight the continuous development of mobile networks in the Netherlands, with each provider offering distinct advantages. This competitive landscape ultimately benefits Dutch consumers, who have access to high-quality mobile Internet services regardless of their chosen provider.

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.
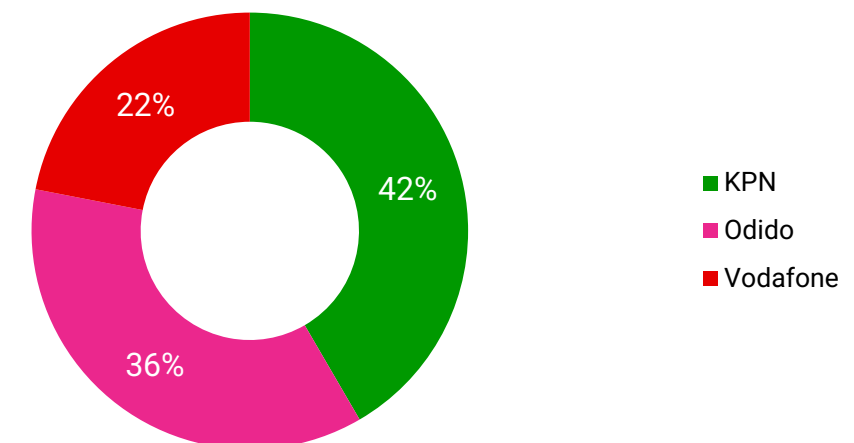
▶ Streaming performance

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 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.
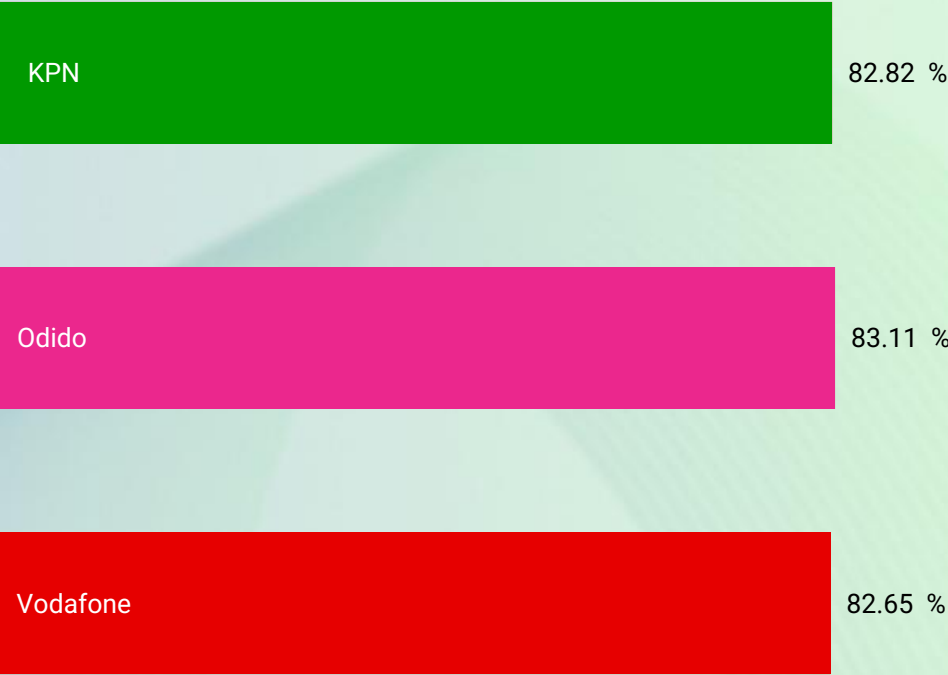
Overall distribution of the tests per provider (ISPs Share)

- 42% KPN
- 36% Odido
- 22% Vodafone

Source : nPerf.com

Browsing Performance rate (average)

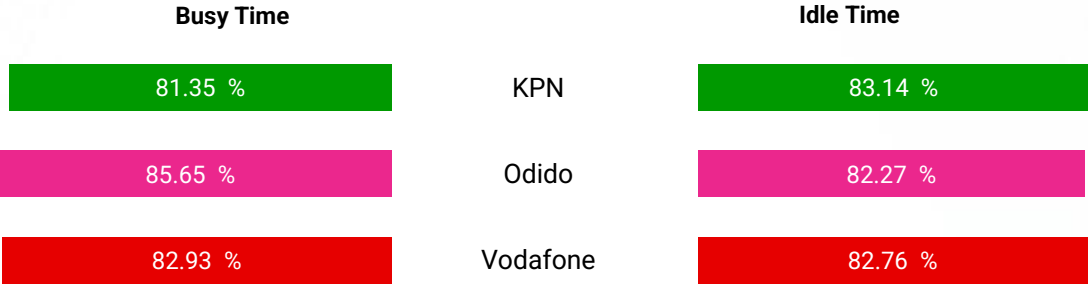|	
KPN	82.82 %
Odido	83.11 %
Vodafone	82.65 %

Source : nPerf.com

The subscribers of KPN, Odido and Vodafone enjoyed the best mobile Internet browsing performance in 2025.

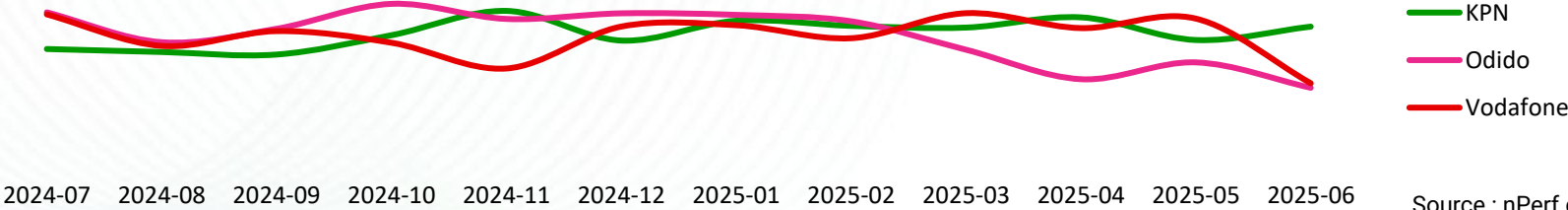## Browsing Performance results ventilation (average)

Slow (5-10s) Correct (2-5s) Excellent (0-2s)

	Slow	Correct	Excellent
KPN	1%	9%	89%
Odido	1%	7%	91%
Vodafone	1%	12%	86%

Source : nPerf.com

Browsing Performance rate (average)

Busy Time		Idle Time
81.35 %	KPN	83.14 %
85.65 %	Odido	82.27 %
82.93 %	Vodafone	82.76 %

Source : nPerf.com

Browsing performance rate (average) evolution over the year

KPN
Odido
Vodafone

2024-07 2024-08 2024-09 2024-10 2024-11 2024-12 2025-01 2025-02 2025-03 2025-04 2025-05 2025-06

Source : nPerf.com

Quality of Experience : Streaming

Streaming Performance rate (average)

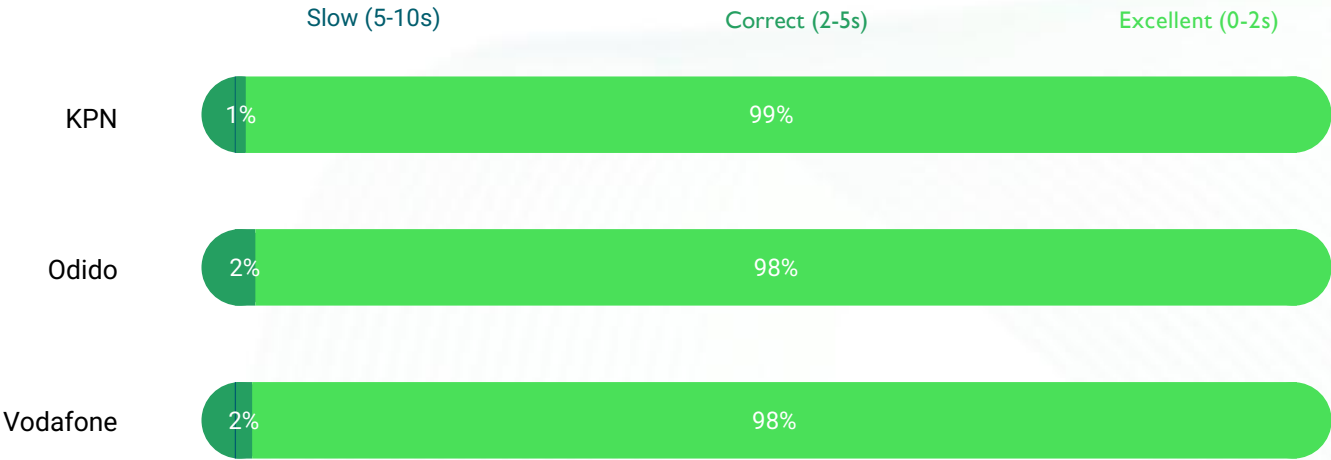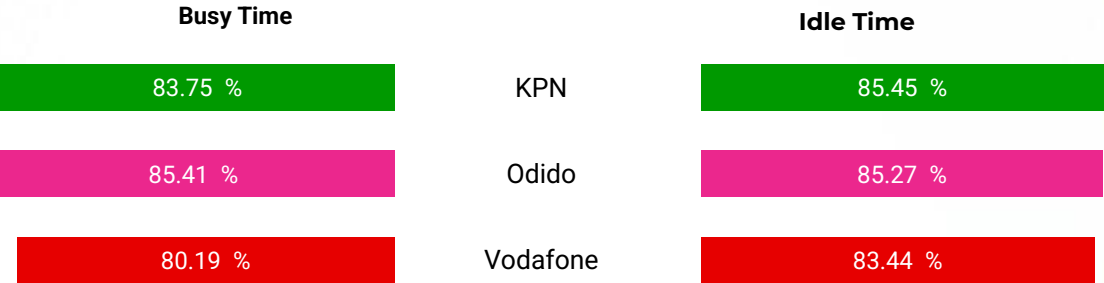|	
KPN	85.19 %
Odido	85.14 %
Vodafone	82.56 %

Source : nPerf.com

The subscribers of KPN and Odido enjoyed the best mobile Internet streaming performance in 2025.

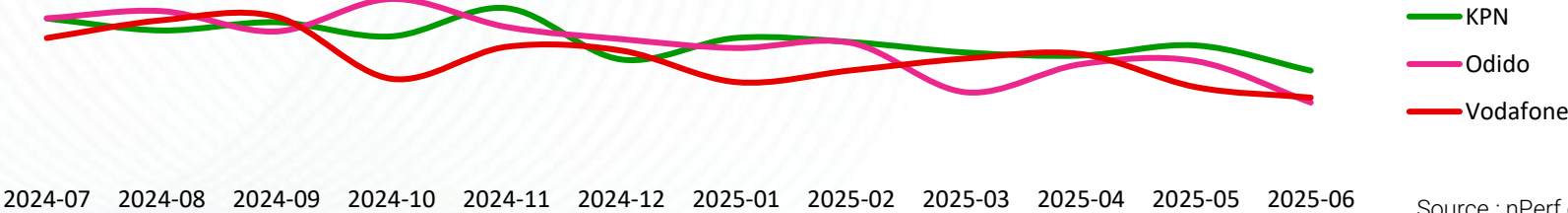## Streaming Performance results ventilation (average)

Slow (5-10s)   Correct (2-5s)   Excellent (0-2s)

KPN	1%	99%
Odido	2%	98%
Vodafone	2%	98%

Source : nPerf.com

Streaming Performance rate (average)

Busy Time		Idle Time
83.75 %	KPN	85.45 %
85.41 %	Odido	85.27 %
80.19 %	Vodafone	83.44 %

Source : nPerf.com

Streaming performance rate (average) evolution over the year

— KPN
— Odido
— Vodafone

2024-07 2024-08 2024-09 2024-10 2024-11 2024-12 2025-01 2025-02 2025-03 2025-04 2025-05 2025-06

Source : nPerf.com

Speed : Download

Download Speed (average)

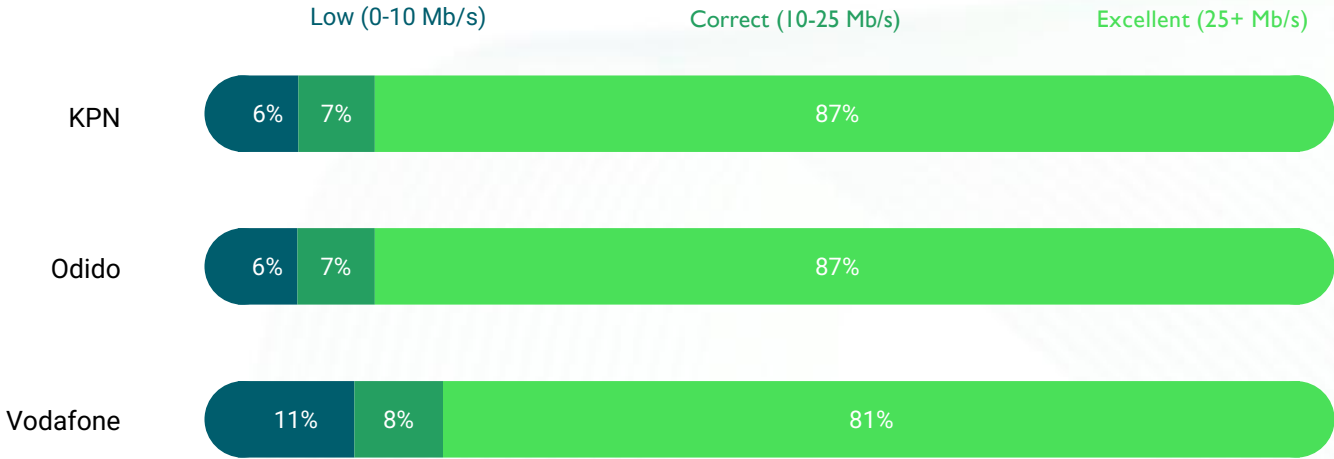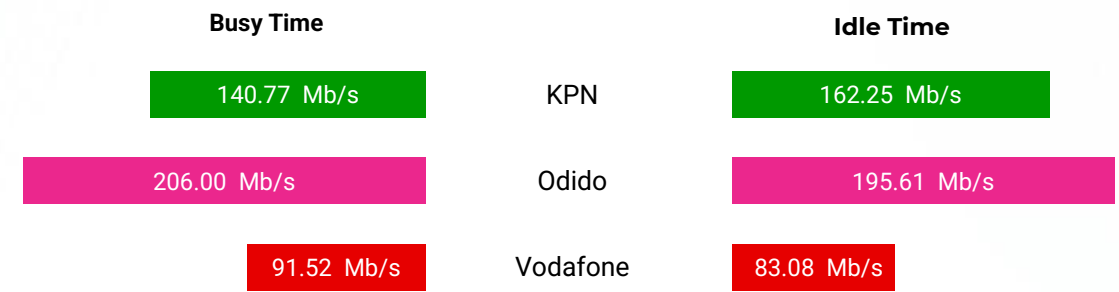|	
KPN	156.57 Mb/s
Odido	197.86 Mb/s
Vodafone	83.04 Mb/s

Source : nPerf.com

The subscribers of Odido enjoyed the best average mobile Internet download speed in 2025.

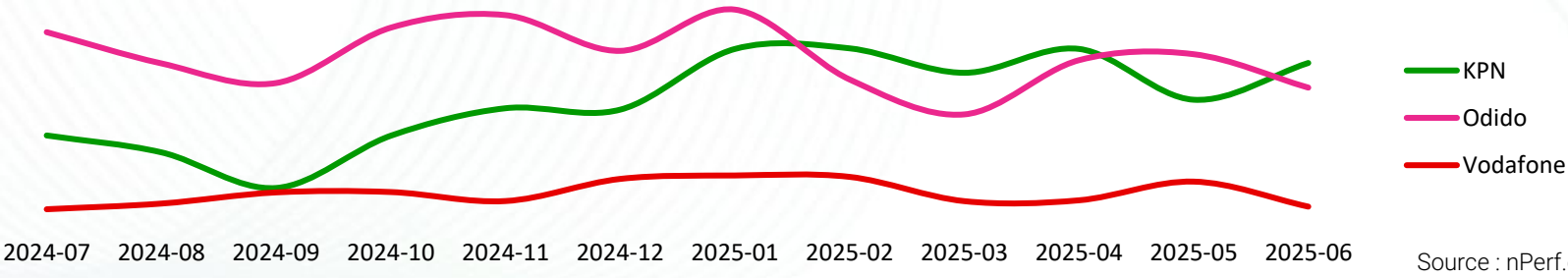## Download Speed results ventilation (average)

Low (0-10 Mb/s)　　　Correct (10-25 Mb/s)　　　Excellent (25+ Mb/s)

	Low	Correct	Excellent
KPN	6%	7%	87%
Odido	6%	7%	87%
Vodafone	11%	8%	81%

Source : nPerf.com

Download Speed (average)

Busy Time		Idle Time
140.77 Mb/s	KPN	162.25 Mb/s
206.00 Mb/s	Odido	195.61 Mb/s
91.52 Mb/s	Vodafone	83.08 Mb/s

Source : nPerf.com

Download Speed evolution over the year (average)

— KPN
— Odido
— Vodafone

2024-07　2024-08　2024-09　2024-10　2024-11　2024-12　2025-01　2025-02　2025-03　2025-04　2025-05　2025-06

Source : nPerf.com

Speed : Upload

Upload Speed (average)

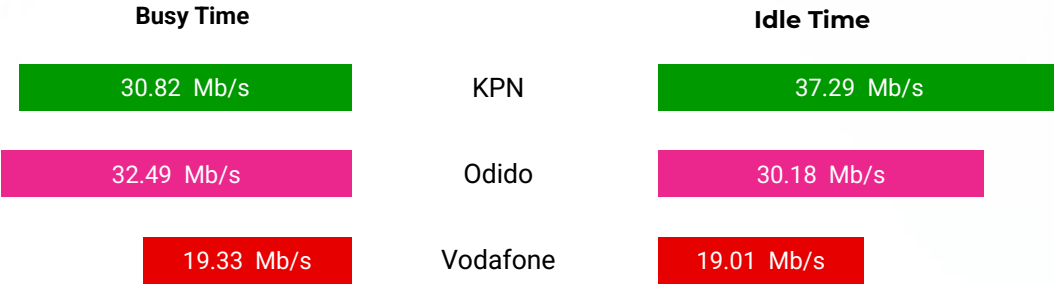|	
KPN	35.37 Mb/s
Odido	30.68 Mb/s
Vodafone	19.04 Mb/s

Source : nPerf.com

The subscribers of KPN enjoyed the best average mobile Internet upload speed in 2025.
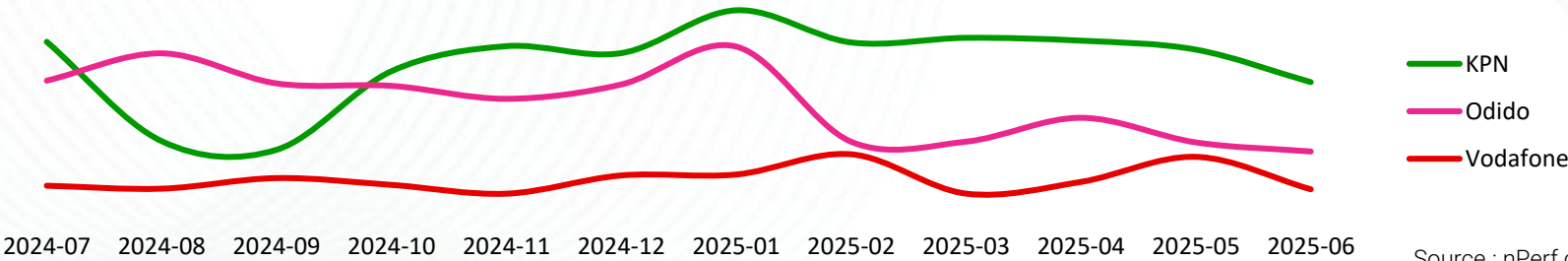
Upload Speed results ventilation (average)

Low (0-5 Mb/s)   Correct (5-10 Mb/s)   Excellent (10+ Mb/s)

	Low	Correct	Excellent
KPN	27%	22%	51%
Odido	32%	23%	46%
Vodafone	43%	24%	33%

Source : nPerf.com

Upload Speed (average)

Busy Time		Idle Time
30.82 Mb/s	KPN	37.29 Mb/s
32.49 Mb/s	Odido	30.18 Mb/s
19.33 Mb/s	Vodafone	19.01 Mb/s

Source : nPerf.com

Upload Speed evolution over the year (average)

— KPN
— Odido
— Vodafone

2024-07 2024-08 2024-09 2024-10 2024-11 2024-12 2025-01 2025-02 2025-03 2025-04 2025-05 2025-06

Source : nPerf.com

Speed : Latency

Latency Speed (average)

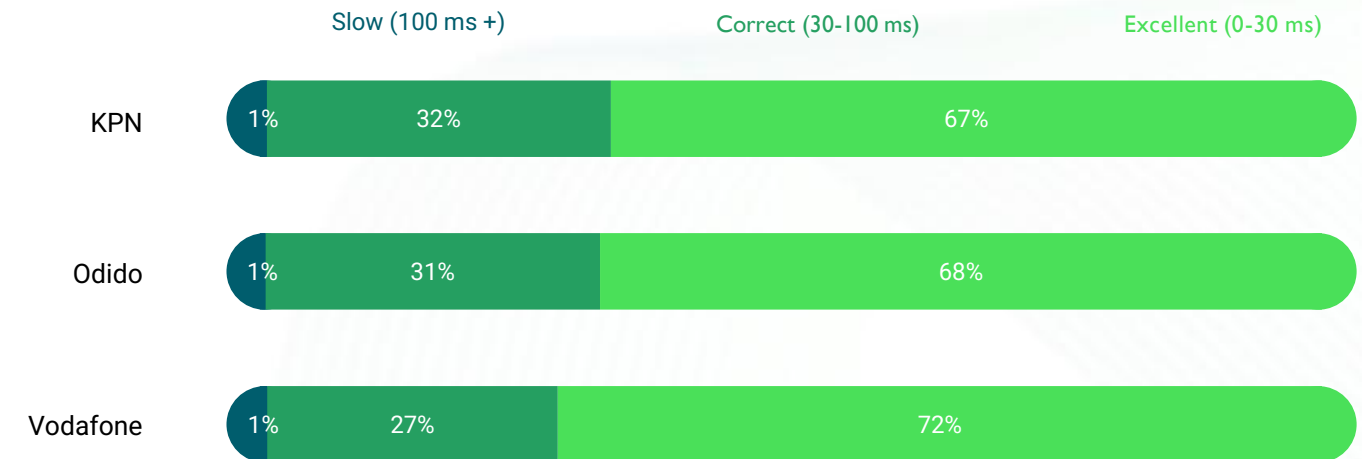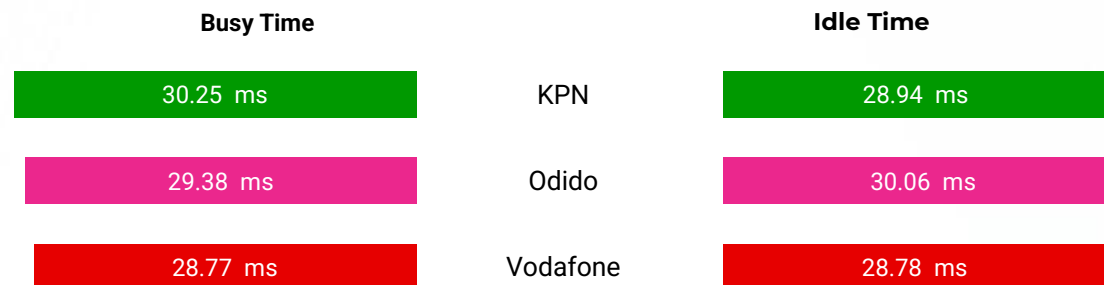|	
KPN	29.25 ms
Odido	29.91 ms
Vodafone	28.70 ms

Source : nPerf.com

The subscribers of KPN and Vodafone enjoyed the best average mobile Internet latency speed in 2025.

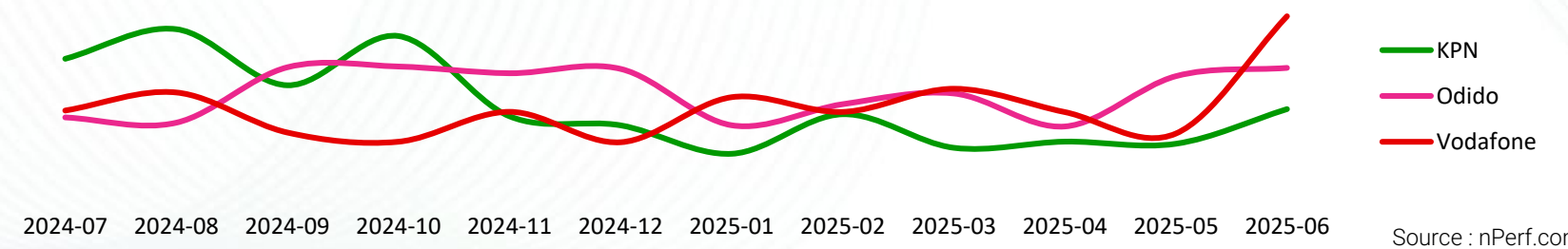## Latency Speed results ventilation (average)

Slow (100 ms +)   Correct (30-100 ms)   Excellent (0-30 ms)

	Slow	Correct	Excellent
KPN	1%	32%	67%
Odido	1%	31%	68%
Vodafone	1%	27%	72%

Source : nPerf.com

Latency Speed (average)

	Busy Time		Idle Time
KPN	30.25 ms		28.94 ms
Odido	29.38 ms		30.06 ms
Vodafone	28.77 ms		28.78 ms

Source : nPerf.com

Latency Speed evolution over the year (average)

— KPN
— Odido
— Vodafone

2024-07 2024-08 2024-09 2024-10 2024-11 2024-12 2025-01 2025-02 2025-03 2025-04 2025-05 2025-06

Source : nPerf.com

nPerf Score (nPoints)

KPN — 121 558

Odido — 125 030

Vodafone — 107 530

Source : nPerf.com

The subscribers of KPN and Odido enjoyed the best 5G Internet performances in 2025.
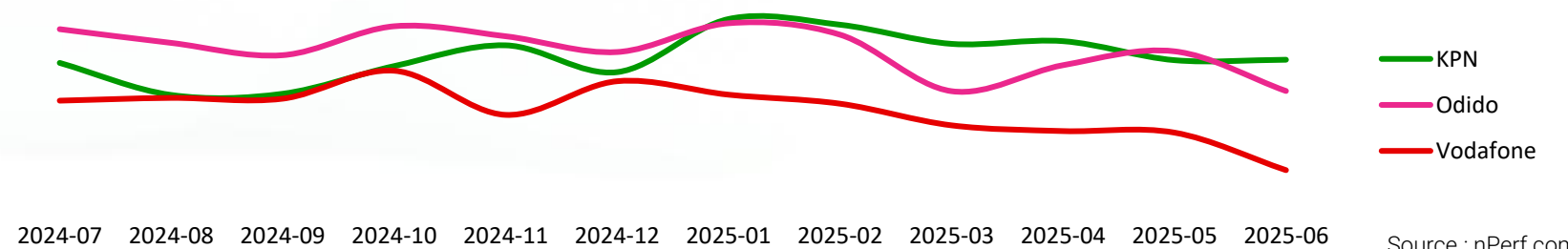
- Best performances 5G: KPN and Odido
- Best web browsing performances 5G: Odido and Vodafone
- Best video streaming performances 5G: Odido
- Fastest performances (Download) 5G: Odido
- Fastest performances (Upload) 5G: KPN
- 5G connections with the lowest latency: Vodafone

Source : nPerf.com

kpn   Odido.nl   vodafone
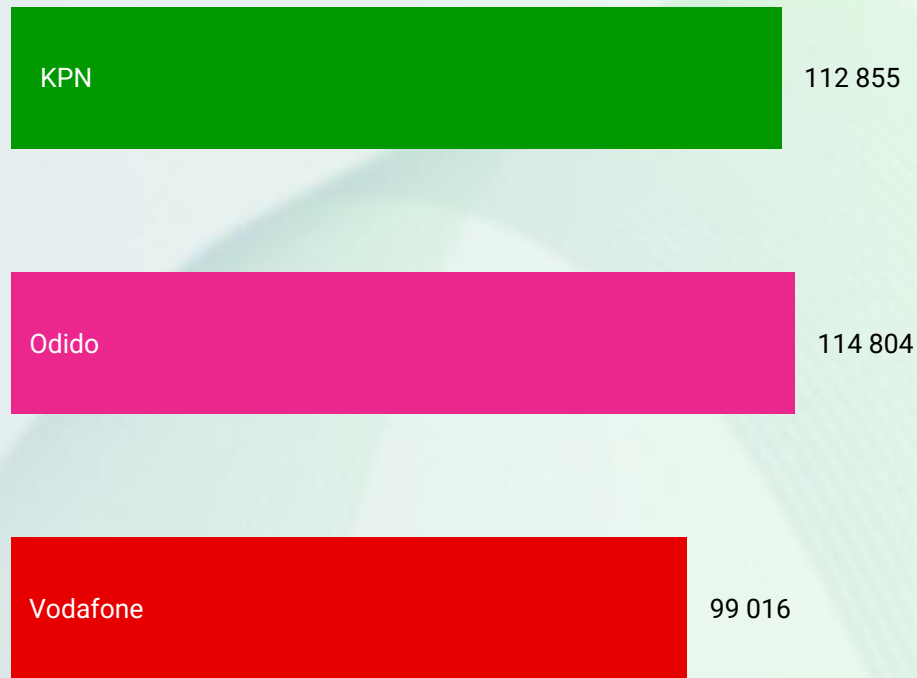
Source : nPerf.com

nPerf score evolution over the year (average)

KPN
Odido
Vodafone

2024-07 2024-08 2024-09 2024-10 2024-11 2024-12 2025-01 2025-02 2025-03 2025-04 2025-05 2025-06

Source : nPerf.com

mobile Internet - 07/01/2024 - 06/30/2025 - Netherlands

Mobile Internet performance in Netherlands

nPerf Score (nPoints)

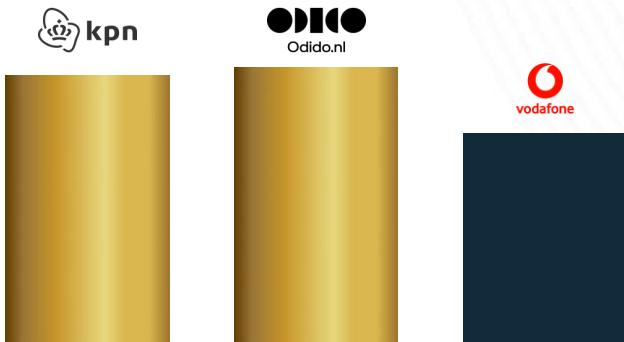| Operator	Score
KPN	112 855
Odido	114 804
Vodafone	99 016

Source : nPerf.com

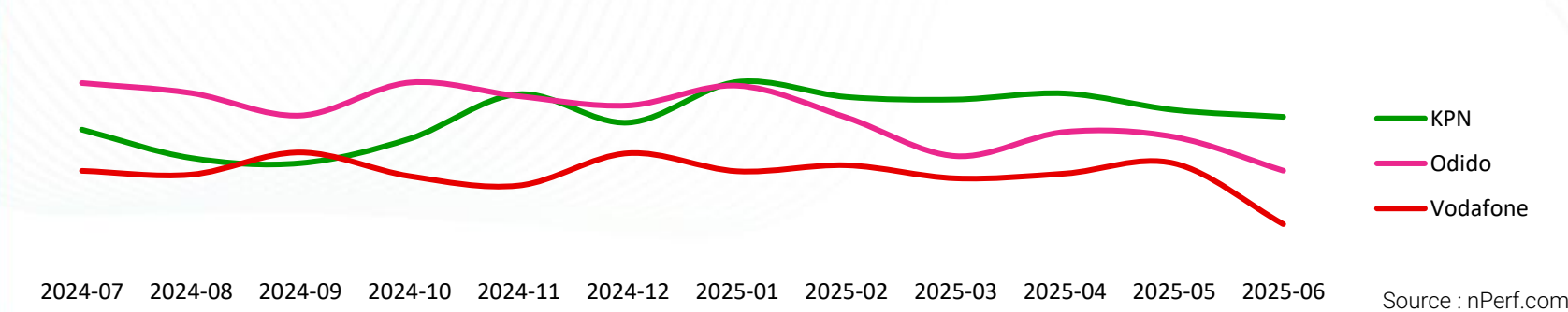The subscribers of KPN and Odido enjoyed the best mobile Internet performances in 2025.

The nPerf score takes into account the measured speedss, 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

kpn
Odido.nl

Best mobile Internet performance in 2025

No.1 MOBILE NETWORK PERFORMANCE

kpn
Odido.nl
vodafone

Source : nPerf.com

nPerf score evolution over the year (average)

— KPN
— Odido
— Vodafone

2024-07 2024-08 2024-09 2024-10 2024-11 2024-12 2025-01 2025-02 2025-03 2025-04 2025-05 2025-06

Source : nPerf.com