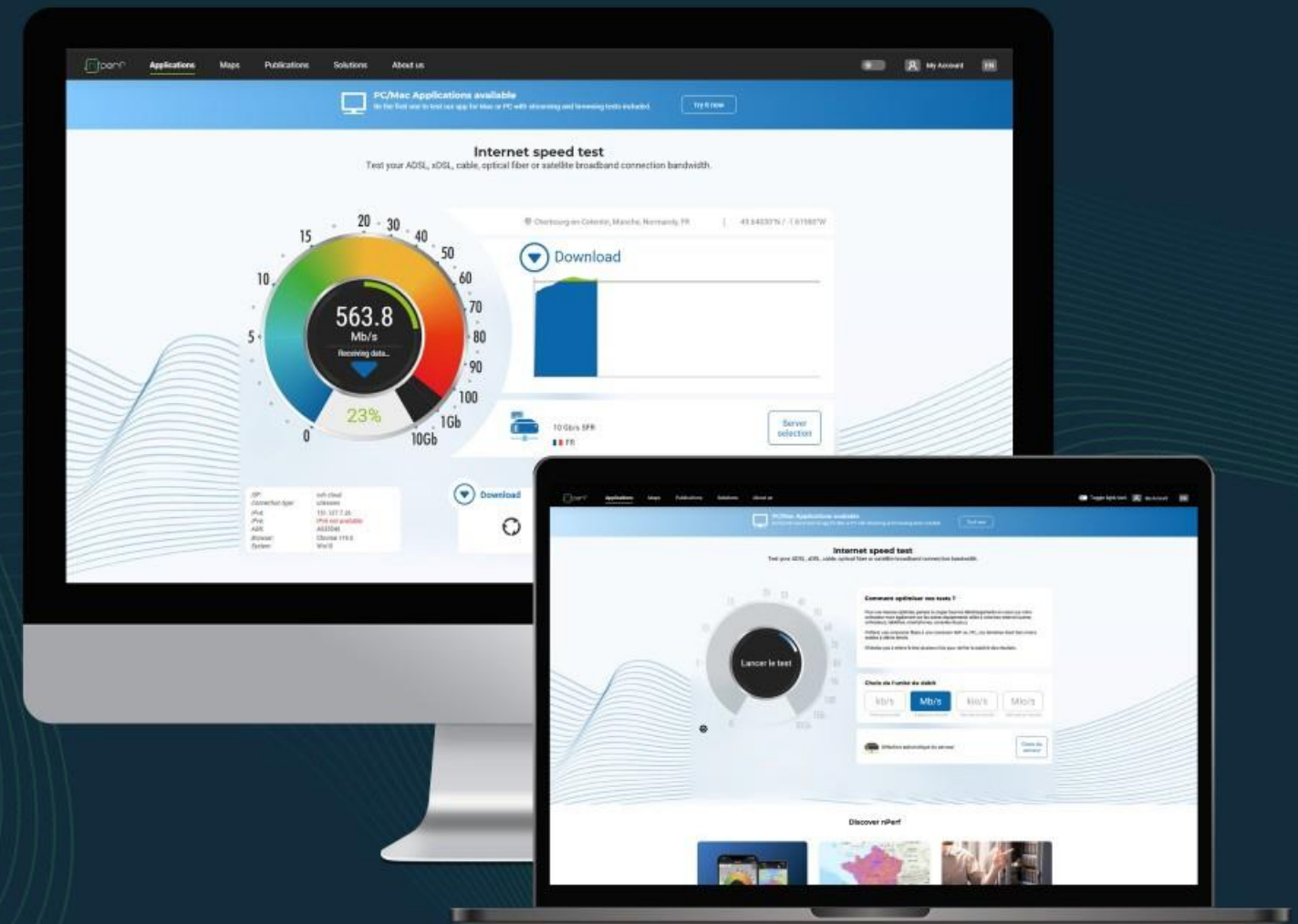# Barometer of fixed Internet connections in Turkey

01/07/2023 - 30/06/2024

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.
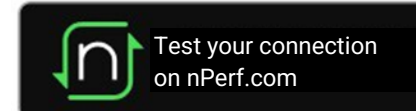
300k+ tests daily worldwide.

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!

Available on the App Store

GET IT ON Google Play

Test your connection on nPerf.com

2. Executive Summary

The subscribers of TurkNet enjoyed the best fixed Internet performances in Turkey during 2024.

Fixed Internet connections in Turkey

	Gibirnet	TurkNet	Türk Telekom
Download bitrates (Mb/s)	64.92	109.61	65.93
Upload bitrates (Mb/s)	29.35	75.28	14.32
Latency (ms)	31.94	18.73	30.79
Web browsing (%)	63.11	72.86	66.03
Youtube streaming (%)	81.99	89.97	86.82
nPerf Score (nPoints)	85 115	116 435	86 081

Source : nperf.com

Best fixed Internet performance in 2024

No.**1** BROADBAND PERFORMANCE

Source : nperf.com

Source : nperf.com

Introduction

Turkey's ISP market continues to show dynamic growth and competition, with TurkNet leading the charge. This report highlights the performance of the top three ISPs: TurkNet, Türk Telekom, and Gibirnet, detailing their strengths across various performance metrics.

TurkNet dominating across all metrics

TurkNet has firmly established itself as the market leader, excelling in all major performance indicators. With an impressive download speed of 109 Mbps and an upload speed of 75 Mbps, TurkNet offers the fastest internet experience in Turkey. Their latency is also notably low at 18 ms, contributing to superior web browsing (72%) and streaming (89%) experiences. These metrics indicate that TurkNet provides a highly reliable and speedy internet service, making it the top choice for users who prioritize performance and efficiency.

Türk Telekom strong contender with solid streaming and browsing

In second place, Türk Telekom shows robust performance, particularly in streaming and web browsing. While specific scores for download and upload speeds were not highlighted, the company's strength in delivering a seamless web browsing and streaming experience positions it as a significant competitor in the market. Türk Telekom's focus on these areas ensures that it remains a popular option for users who demand high-quality internet for entertainment and daily online activities.

Gibirnet close performance to Turk Telekom

Gibirnet ranks third but demonstrates performance levels close to Turk Telekom. With an average score of 85,115 nPoints, Gibirnet shows that it can compete closely with the other ISPs, offering a solid internet experience. The proximity in performance to Türk Telekom suggests that Gibirnet is a viable option for consumers looking for reliable internet service with competitive speeds and latency.

Conclusion

TurkNet sets a high benchmark in Turkey's ISP market with its exceptional performance across all metrics. Türk Telekom and Gibirnet also offer strong services, particularly in specific areas like streaming and browsing. As competition remains fierce, these ISPs continue to push the boundaries of service quality, ultimately benefiting consumers with better 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 birate

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 birate

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.
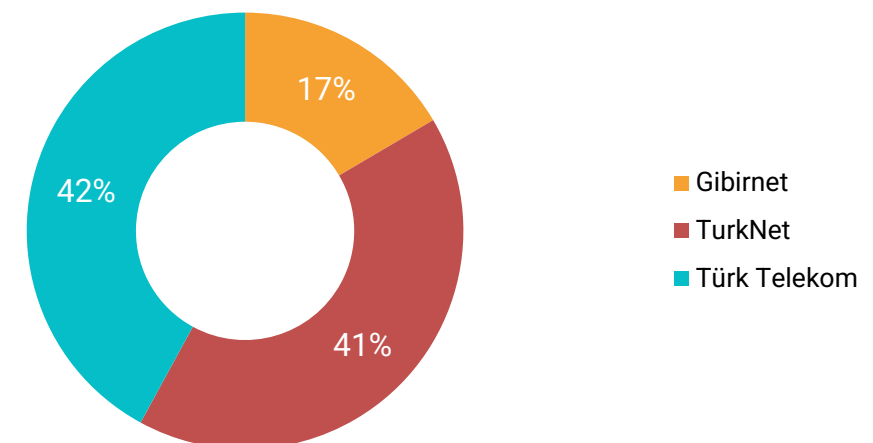
▶ Streaming performance

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 2.0% 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.
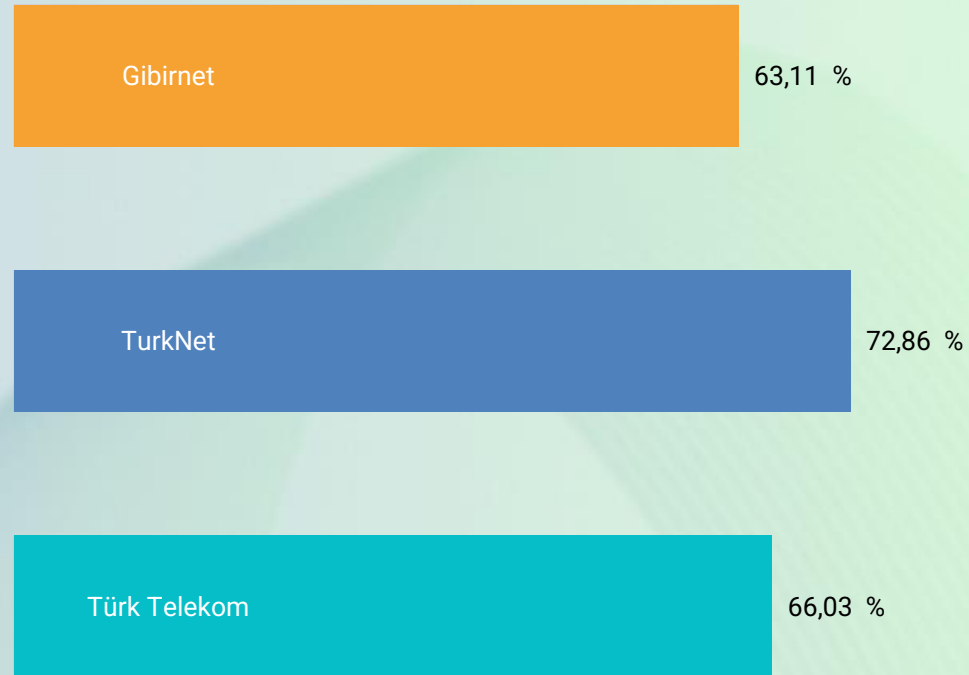
Overall distribution of the tests per provider (ISPs Share)

- 🟧 Gibirnet — 17%
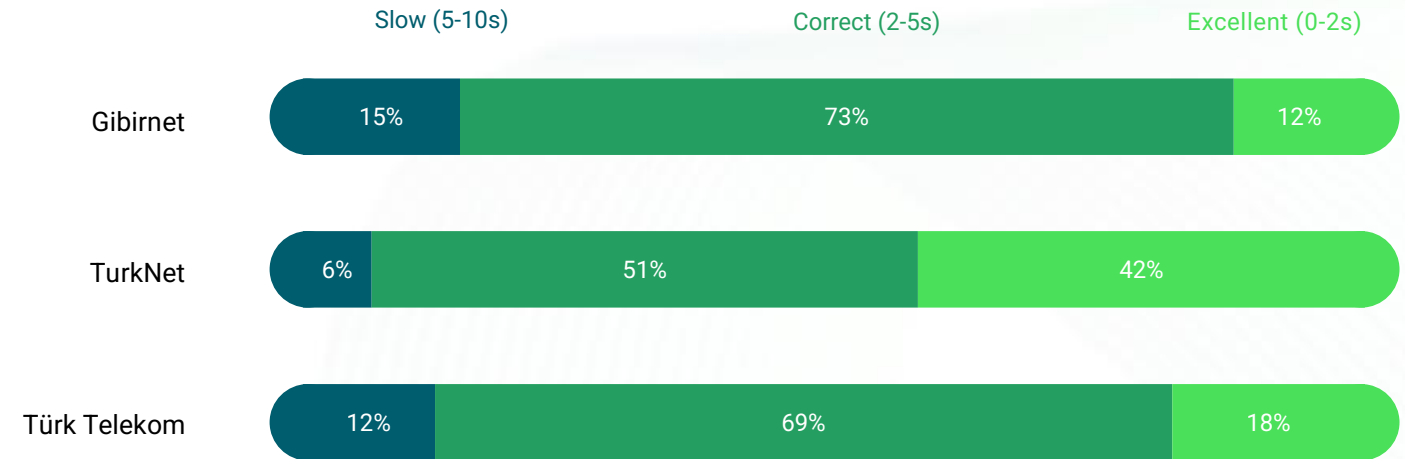- 🟥 TurkNet — 41%
- 🟦 Türk Telekom — 42%

Source : nperf.com

Quality of Experience : Browsing

Browsing Performance rate (average)

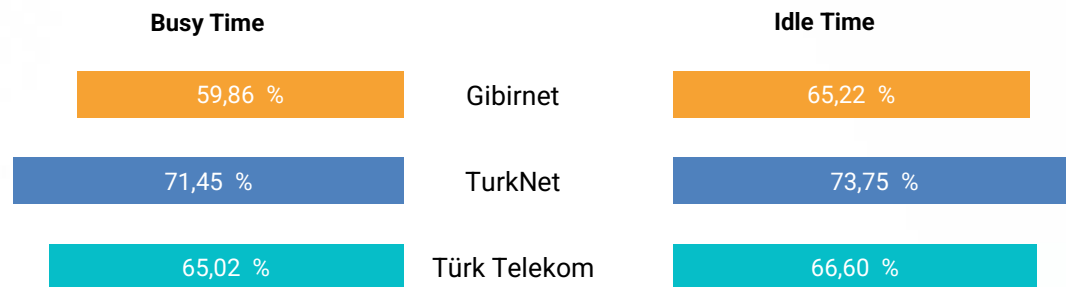|	
Gibirnet	63,11 %
TurkNet	72,86 %
Türk Telekom	66,03 %

Source : nperf.com

The subscribers of TurkNet enjoyed the best mobile Internet browsing performance in 2024.

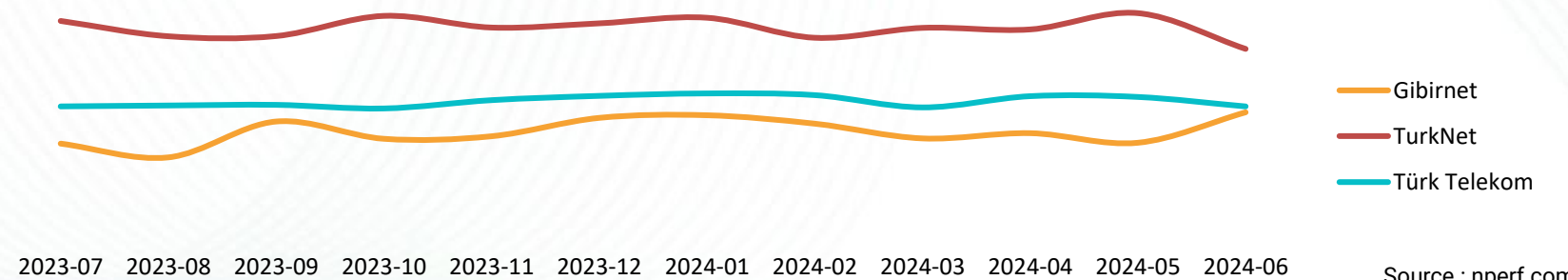## Browsing Performance results ventilation (average)

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

	Slow	Correct	Excellent
Gibirnet	15%	73%	12%
TurkNet	6%	51%	42%
Türk Telekom	12%	69%	18%

Source : nperf.com

Browsing Performance rate (average)

Busy Time		Idle Time
59,86 %	Gibirnet	65,22 %
71,45 %	TurkNet	73,75 %
65,02 %	Türk Telekom	66,60 %

Source : nperf.com

Browsing performance rate (average) evolution over the year

Gibirnet
TurkNet
Türk Telekom

2023-07 2023-08 2023-09 2023-10 2023-11 2023-12 2024-01 2024-02 2024-03 2024-04 2024-05 2024-06

Source : nperf.com

Quality of Experience : Streaming

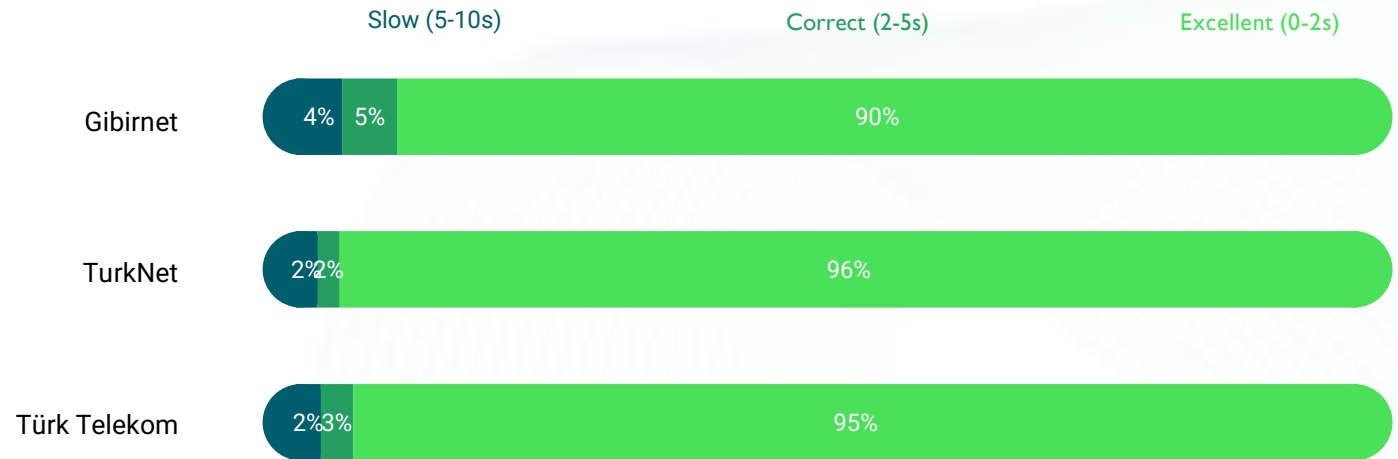## Streaming Performance rate (average)

Gibirnet — 81,99 %

TurkNet — 89,97 %

Türk Telekom — 86,82 %
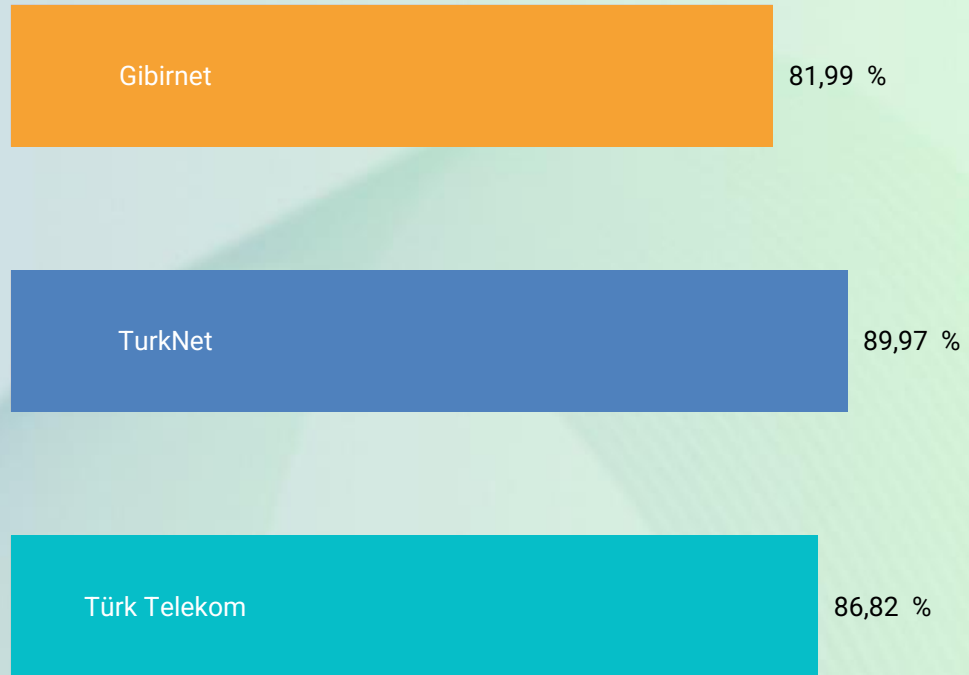
Source : nperf.com

The subscribers of TurkNet enjoyed the best mobile Internet streaming performance in 2024.

Streaming Performance results ventilation (average)

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

	Slow (5-10s)	Correct (2-5s)	Excellent (0-2s)
Gibirnet	4%	5%	90%
TurkNet	2%	2%	96%
Türk Telekom	2%	3%	95%

Source : nperf.com

Streaming Performance rate (average)

Busy Time		Idle Time
78,76 %	Gibirnet	84,04 %
89,09 %	TurkNet	90,53 %
86,94 %	Türk Telekom	86,75 %

Source : nperf.com

Streaming performance rate (average) evolution over the year

2023-07 2023-08 2023-09 2023-10 2023-11 2023-12 2024-01 2024-02 2024-03 2024-04 2024-05 2024-06

— Gibirnet
— TurkNet
— Türk Telekom

Source : nperf.com

Speed : Download

Download Speed (average)

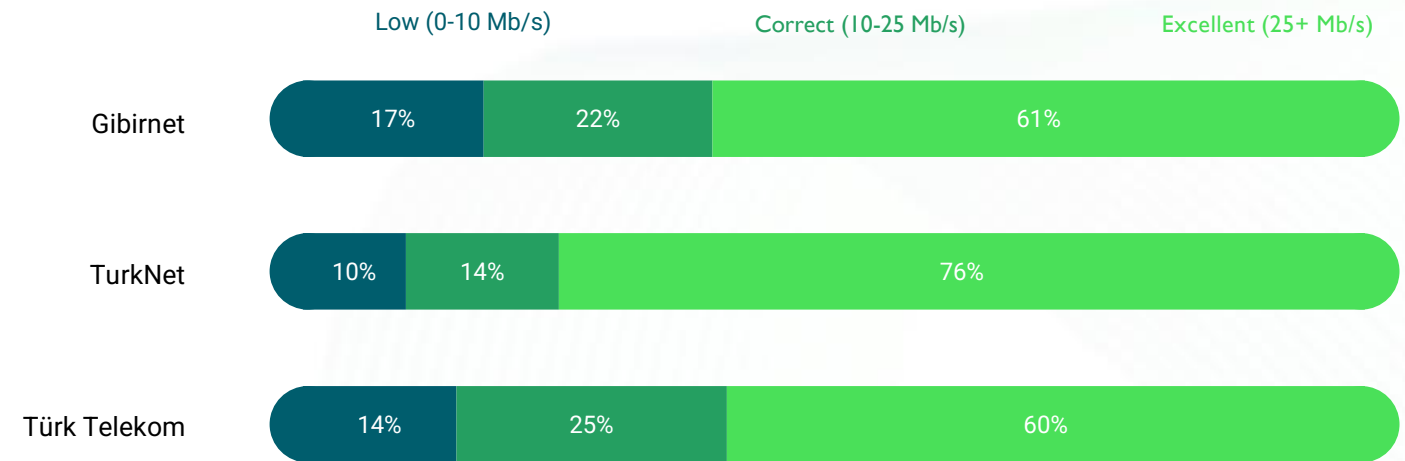|	
Gibirnet	64,92 Mb/s
TurkNet	109,61 Mb/s
Türk Telekom	65,93 Mb/s
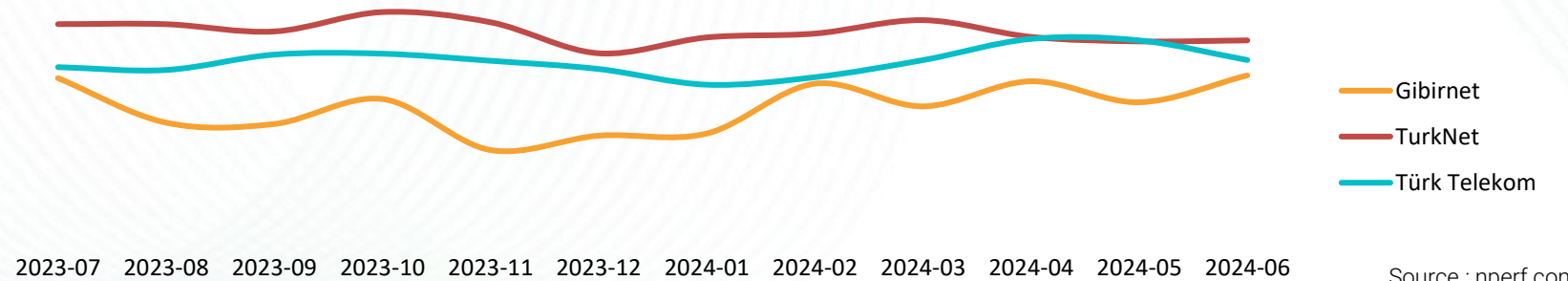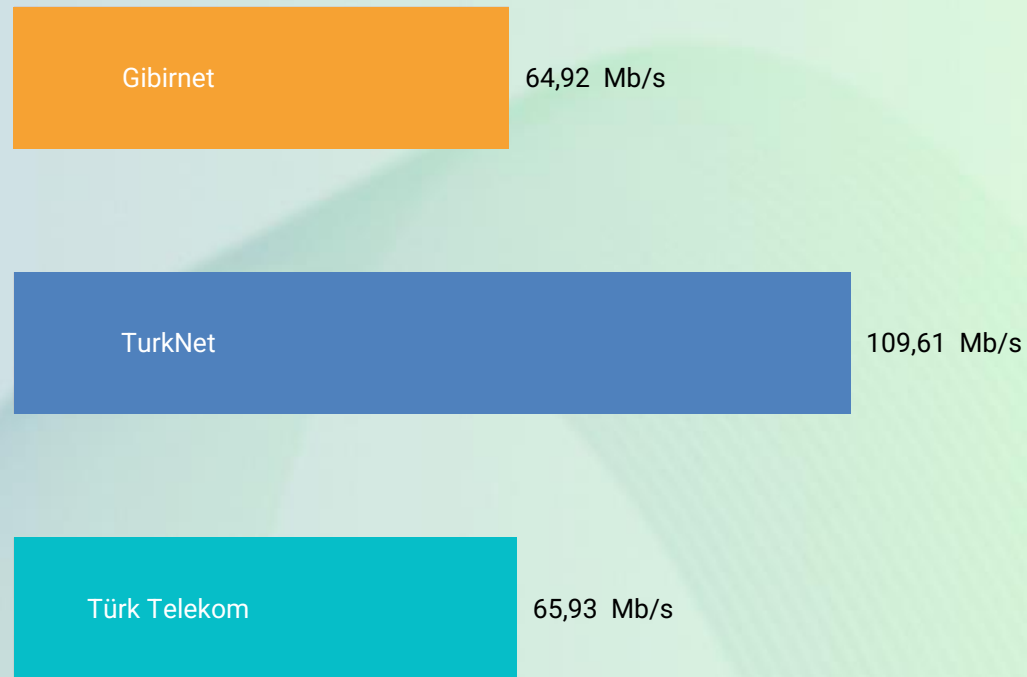
Source : nperf.com
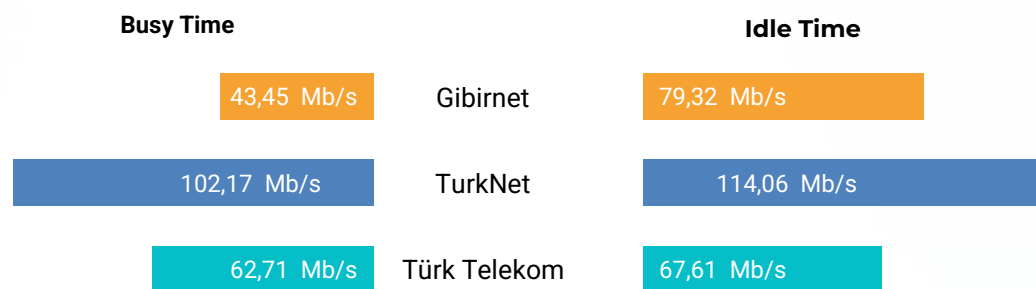
The subscribers of TurkNet enjoyed the best average mobile Internet download speed in 2024.

Download Speed results ventilation (average)

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

	Low	Correct	Excellent
Gibirnet	17%	22%	61%
TurkNet	10%	14%	76%
Türk Telekom	14%	25%	60%

Source : nperf.com

Download Speed (average)

	Busy Time		Idle Time
Gibirnet	43,45 Mb/s		79,32 Mb/s
TurkNet	102,17 Mb/s		114,06 Mb/s
Türk Telekom	62,71 Mb/s		67,61 Mb/s

Source : nperf.com

Download Speed evolution over the year (average)

Legend: Gibirnet, TurkNet, Türk Telekom

2023-07 2023-08 2023-09 2023-10 2023-11 2023-12 2024-01 2024-02 2024-03 2024-04 2024-05 2024-06

Source : nperf.com

Upload Speed (average)

Gibirnet — 29,35 Mb/s

TurkNet — 75,28 Mb/s

Türk Telekom — 14,32 Mb/s
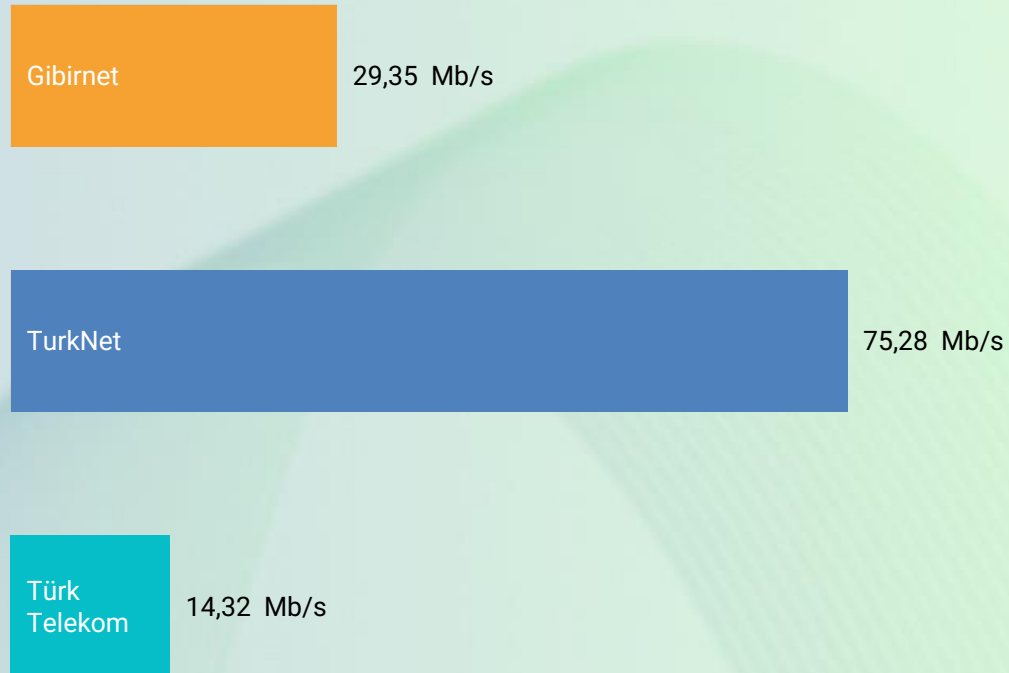
Source : nperf.com

The subscribers of TurkNet enjoyed the best average mobile Internet upload speed in 2024.
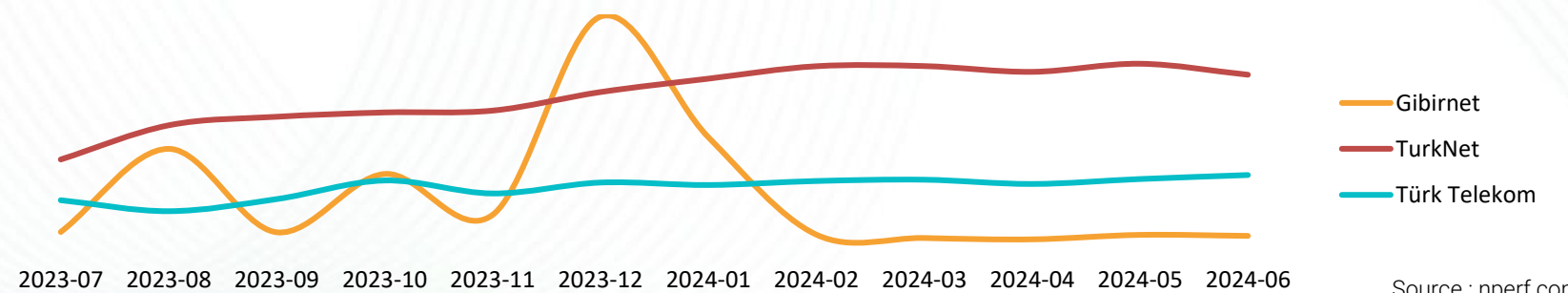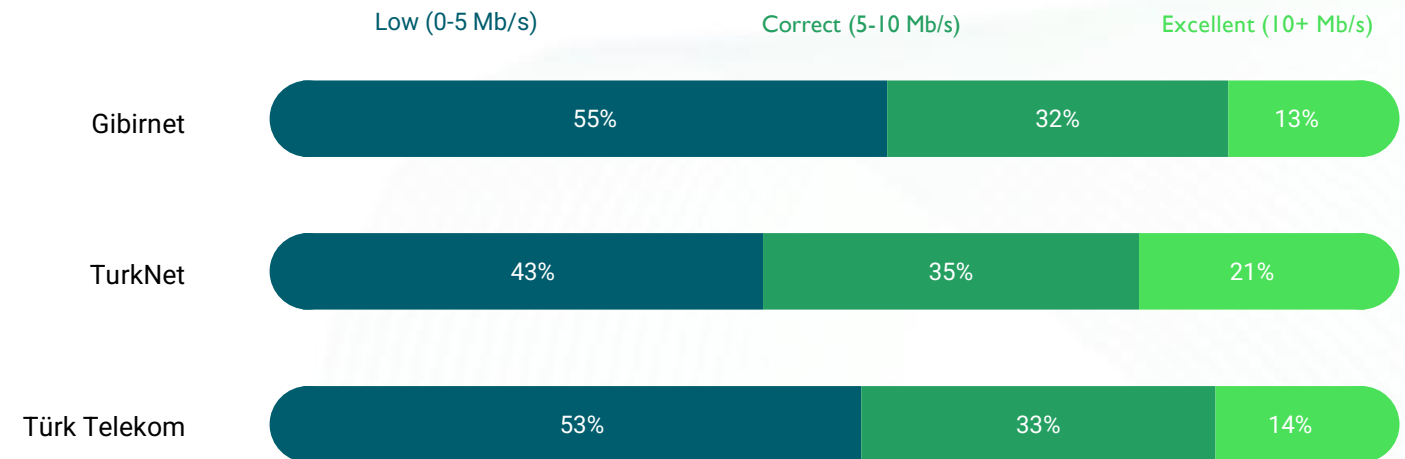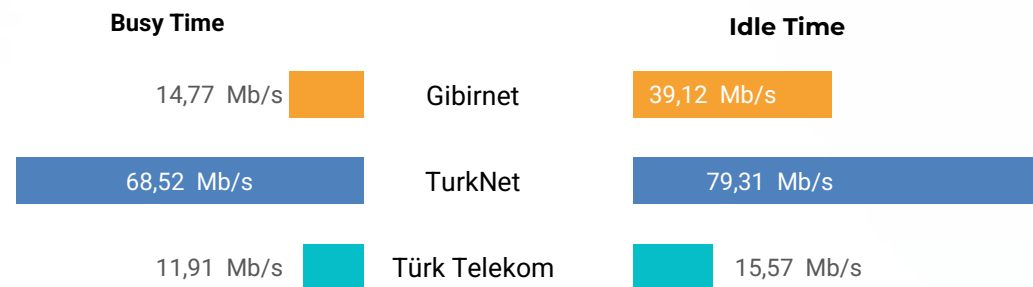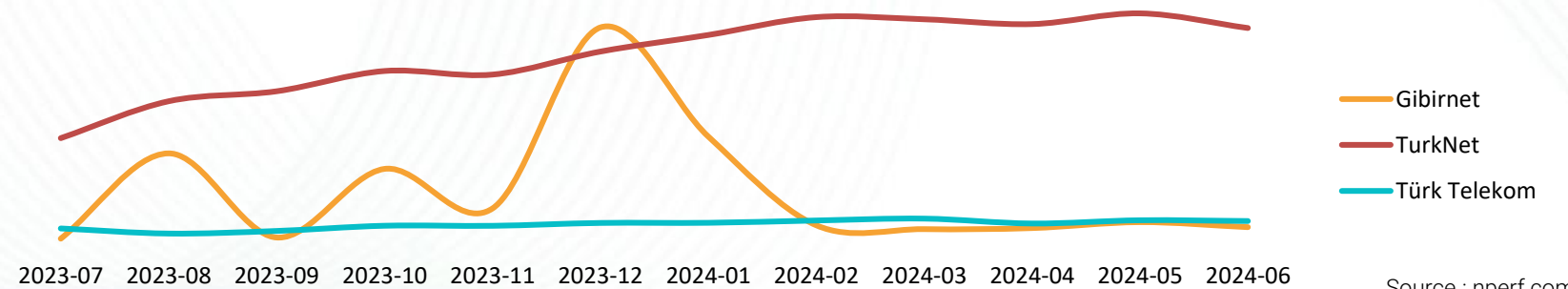
Upload Speed results ventilation (average)

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

	Low (0-5 Mb/s)	Correct (5-10 Mb/s)	Excellent (10+ Mb/s)
Gibirnet	55%	32%	13%
TurkNet	43%	35%	21%
Türk Telekom	53%	33%	14%

Source : nperf.com

Upload Speed (average)

Busy Time		Idle Time
14,77 Mb/s	Gibirnet	39,12 Mb/s
68,52 Mb/s	TurkNet	79,31 Mb/s
11,91 Mb/s	Türk Telekom	15,57 Mb/s

Source : nperf.com

Upload Speed evolution over the year (average)

Gibirnet
TurkNet
Türk Telekom

2023-07 2023-08 2023-09 2023-10 2023-11 2023-12 2024-01 2024-02 2024-03 2024-04 2024-05 2024-06

Source : nperf.com

Speed : Latency

Latency Speed (average)
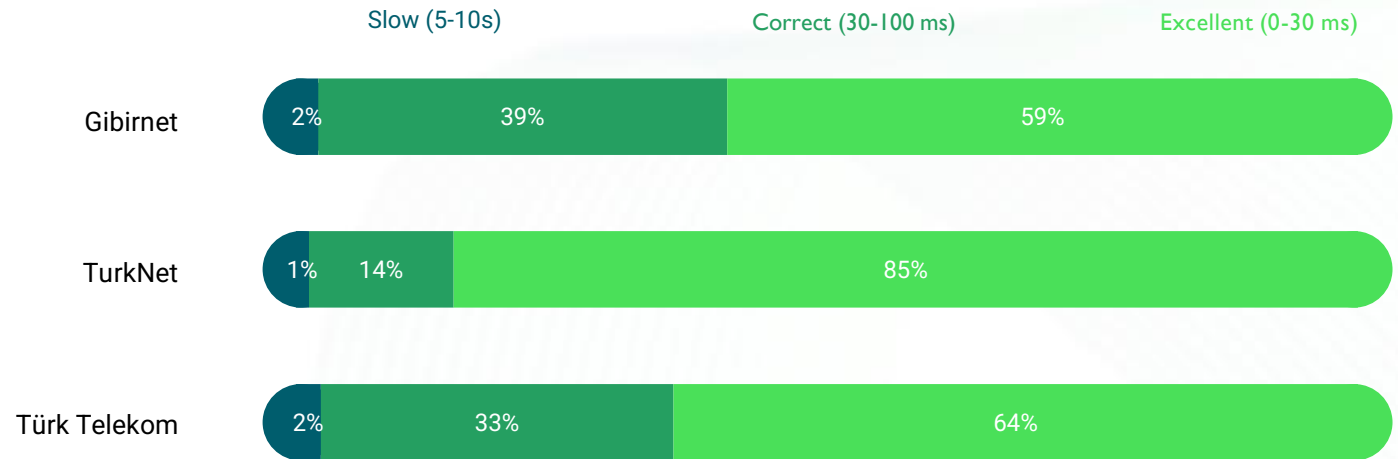

Gibirnet — 31,94 ms
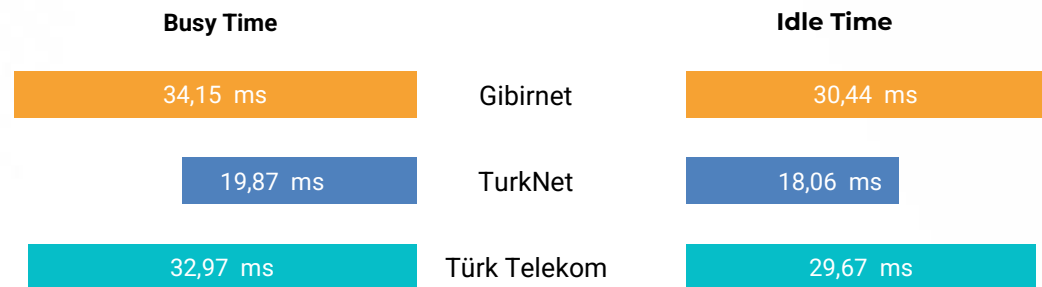TurkNet — 18,73 ms
Türk Telekom — 30,79 ms

Source : nperf.com

The subscribers of TurkNet enjoyed the best average mobile Internet latency speed in 2024.

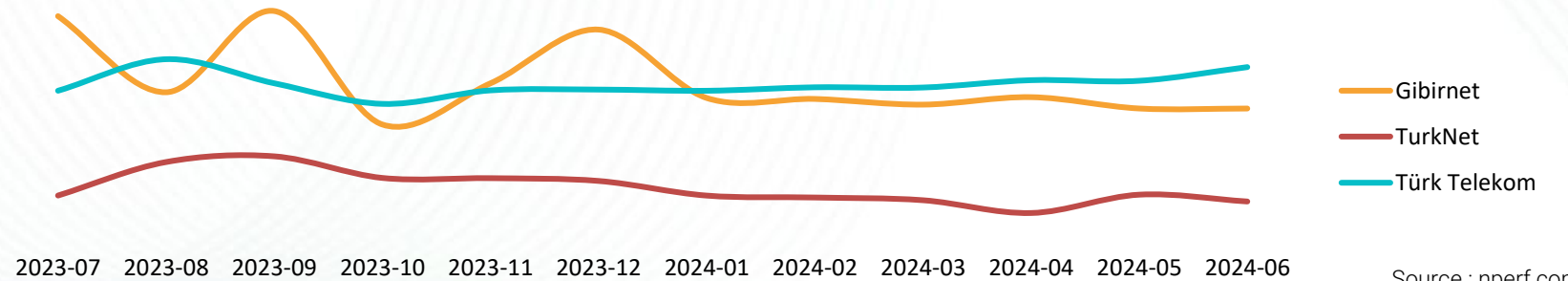## Latency Speed results ventilation (average)

Slow (5-10s)　　Correct (30-100 ms)　　Excellent (0-30 ms)

	Slow (5-10s)	Correct (30-100 ms)	Excellent (0-30 ms)
Gibirnet	2%	39%	59%
TurkNet	1%	14%	85%
Türk Telekom	2%	33%	64%

Source : nperf.com

Latency Speed (average)

	Busy Time		Idle Time
Gibirnet	34,15 ms		30,44 ms
TurkNet	19,87 ms		18,06 ms
Türk Telekom	32,97 ms		29,67 ms

Source : nperf.com

Latency Speed evolution over the year (average)

Gibirnet
TurkNet
Türk Telekom

2023-07　2023-08　2023-09　2023-10　2023-11　2023-12　2024-01　2024-02　2024-03　2024-04　2024-05　2024-06

Source : nperf.com

Fixed Internet performance in Turkey

nPerf Score (nPoints)

Gibirnet	85 115
TurkNet	116 435
Türk Telekom	86 081

Source : nperf.com

The subscribers of TurkNet enjoyed the best fixed Internet performances in Turkey during 2024.
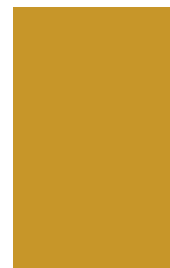
The nPerf score takes into account the measured bitrates, the latency and the QoE tests.

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.
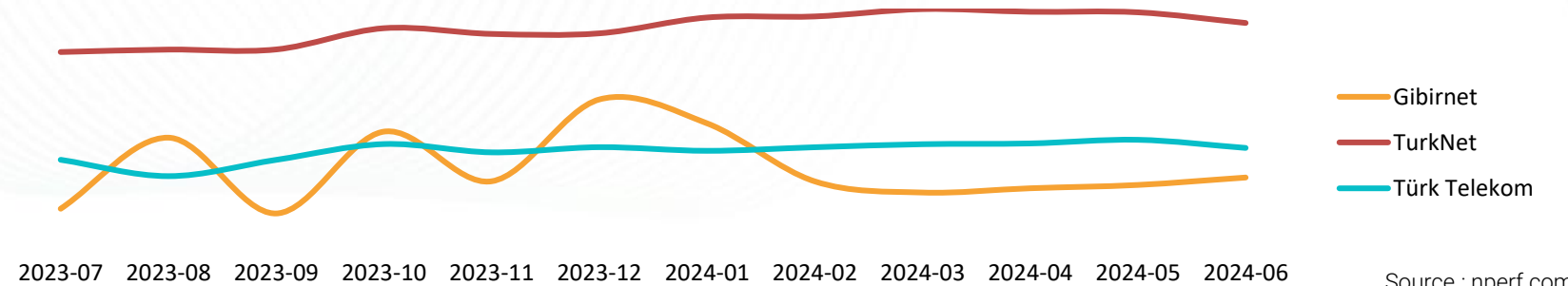
Source : nperf.com

Best fixed Internet performance in 2024

No.1 BROADBAND PERFORMANCE

Source : nperf.com

nPerf score evolution over the year (average)

Legend:
- Gibirnet
- TurkNet
- Türk Telekom

2023-07 2023-08 2023-09 2023-10 2023-11 2023-12 2024-01 2024-02 2024-03 2024-04 2024-05 2024-06

Source : nperf.com

nperf

We qualify your connection