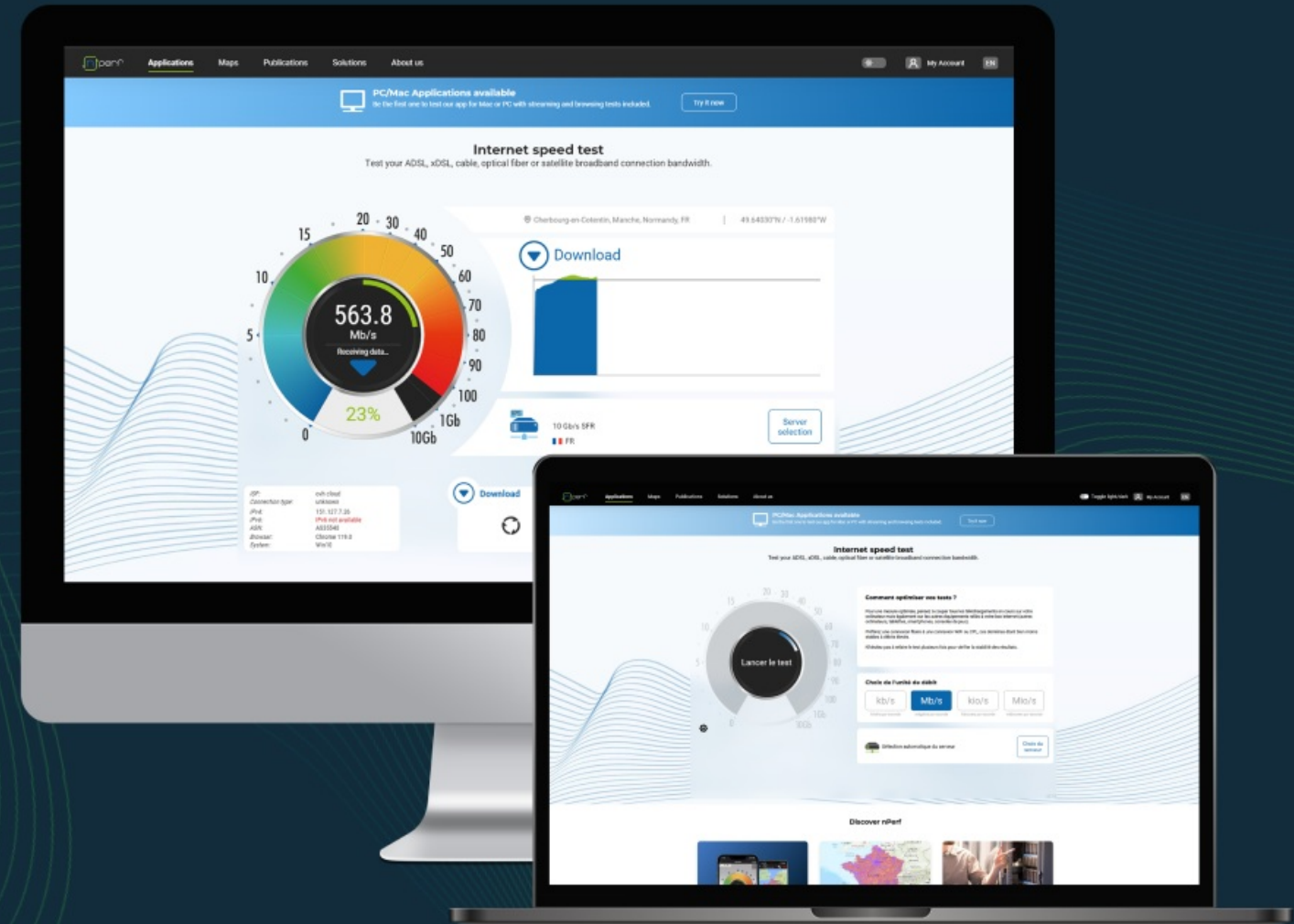




# Barometer of fixed Internet Connections in Moldova.

01/01/2023 - 31/12/2023



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**nPerf Network  
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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.

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## 2. Executive Summary



The subscribers of Orange enjoyed the best broadband performances in Moldova during 2023.

### Fixed Internet connections in Moldova

	IDC	Moldtelecom	Orange	StarNet
▼ Download bitrates (Mb/s)	41.83	106.35	199.78	155.64
▲ Upload bitrates (Mb/s)	65.05	97.51	184.67	143.57
◀▶ Latency (ms)	37.85	24.62	15.50	15.62
nPerf Score (nPoints)	113 487	139 565	162 552	156 531

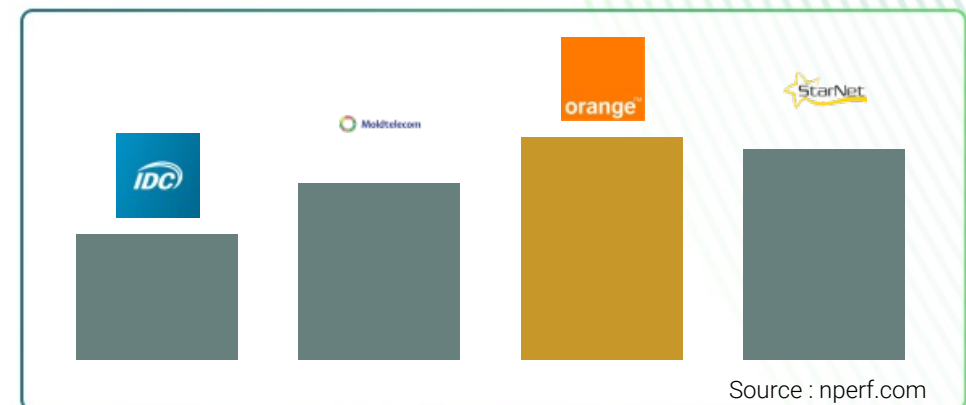
Source : nperf.com



Best fixed Internet performance in 2023



Source : nperf.com



Source : nperf.com

The broadband market in Moldova presents a diverse range of performances among its major Internet Service Providers (ISPs). This analysis focuses on key metrics such as download and upload bitrates, latency, and nPerf scores, which are crucial for evaluating the quality of internet services in terms of user experience.

### **Orange: the market leader**

Orange stands out as the market leader in Moldova's broadband landscape. It boasts the highest download and upload speeds of 200 Mb/s and 185 Mb/s, respectively, combined with the lowest latency of 16 ms. These impressive figures culminate in the highest nPerf score of 162,552 points, showcasing Orange's commitment to providing top-tier internet services with superior speed and reliability.

### **StarNet: the close competitor**

StarNet emerges as a strong competitor with notable download and upload speeds of 156 Mb/s and 144 Mb/s, respectively. It matches Orange's latency at 16 ms, offering a seamless internet experience. With an nPerf score of 156,531 points, StarNet demonstrates its ability to offer high-quality service, closely rivaling the market leader.

### **Moldtelecom: the robust performer**

Moldtelecom shows robust performance with download and upload speeds of 106 Mb/s and 98 Mb/s, respectively. Its latency of 25 ms, while higher than Orange and StarNet, is still competitive. The ISP

scores 139,565 points on the nPerf scale, place Moldtelecom on the third place of nPerf ranking.

### **IDC: potential for growth**

IDC, while trailing behind the other ISPs, offers reasonable download and upload speeds of 42 Mb/s and 65 Mb/s, respectively. Its latency of 38 ms and an nPerf score of 113,487 points suggest that while IDC provides a decent service, there is significant room for improvement to match the market's leaders.

### **Conclusion:**

The broadband market in Moldova is marked by a competitive and evolving landscape. ISPs like Orange and StarNet are at the forefront, offering high-speed internet services with low latency, significantly enhancing the user experience. Moldtelecom and IDC, though not at the same level, contribute to the market's diversity, providing a range of options to consumers.

## 4. Methodology



nPerf provides a **free tool 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.

For fixed connections, 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 from the nPerf server. The highest the measured value, the best is the bitrate of your connection.

### ◀▶ Latency (ping) :

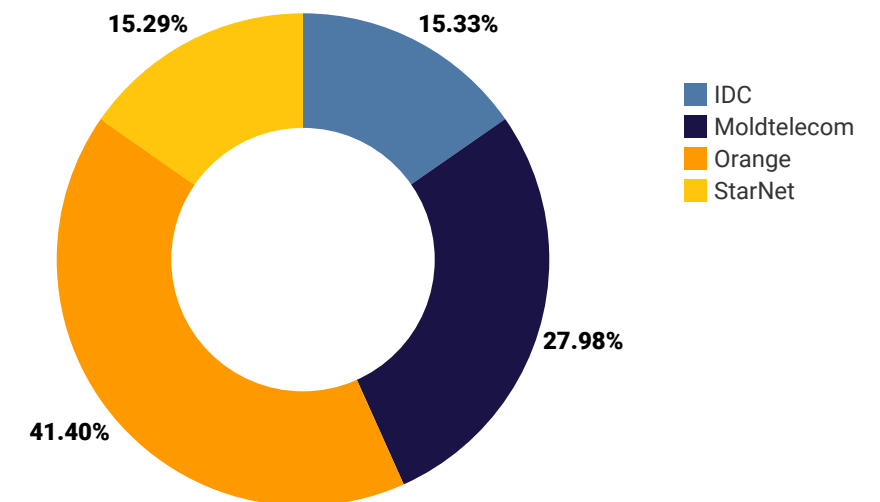
It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The main is the minimum value.

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 % 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.

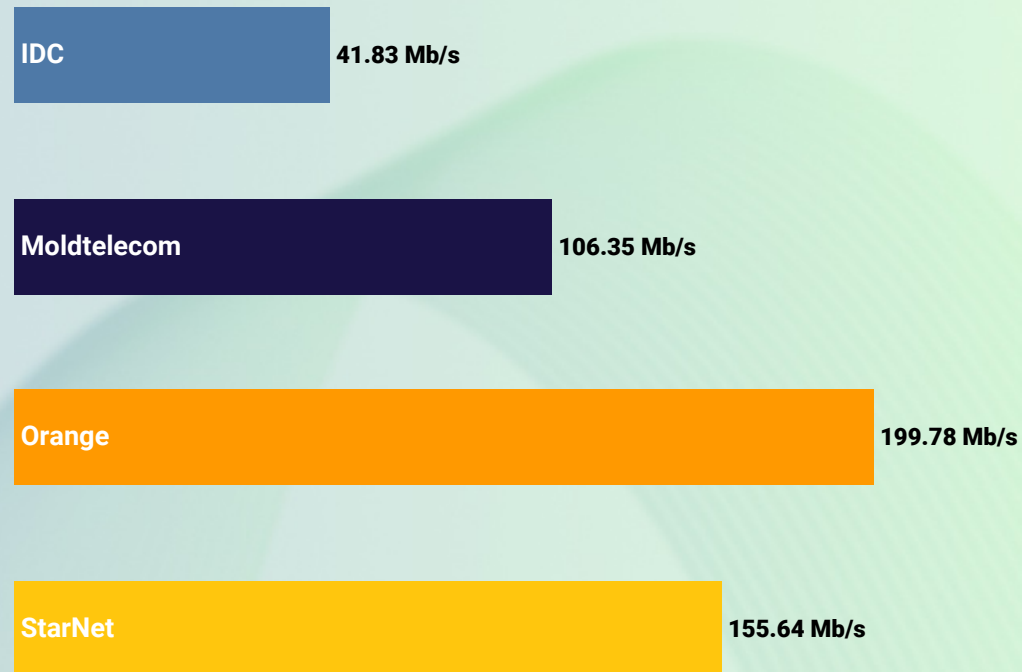
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



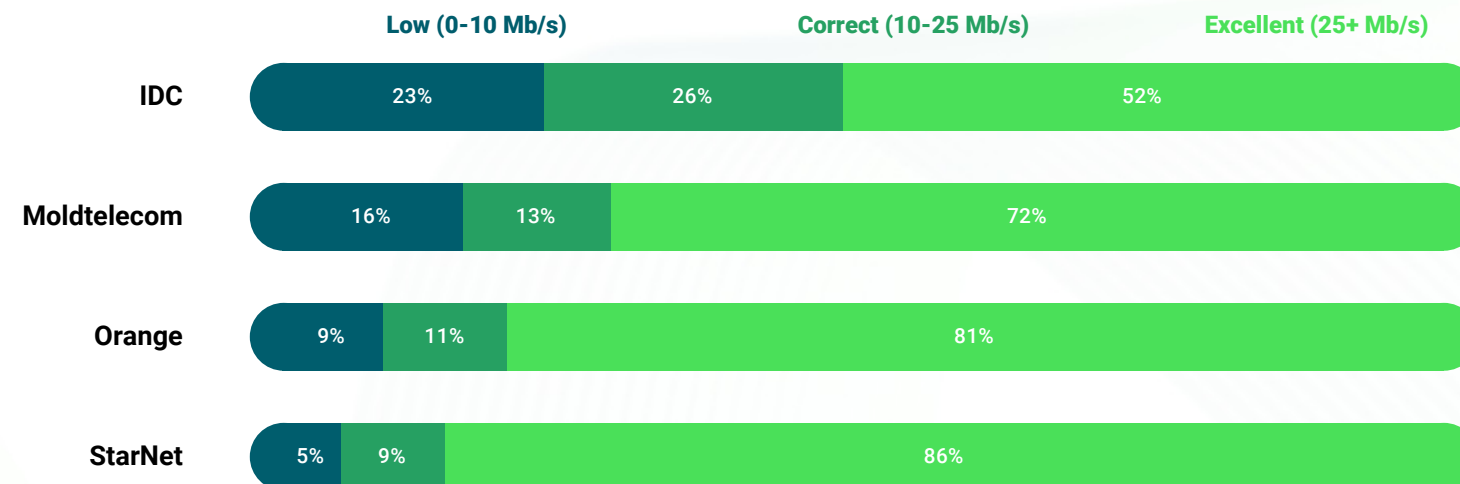
## Download Speed (average)



Source : nperf.com

### The subscribers of Orange enjoyed the best average broadband download speed in 2023.

## Download Speed results ventilation (average)



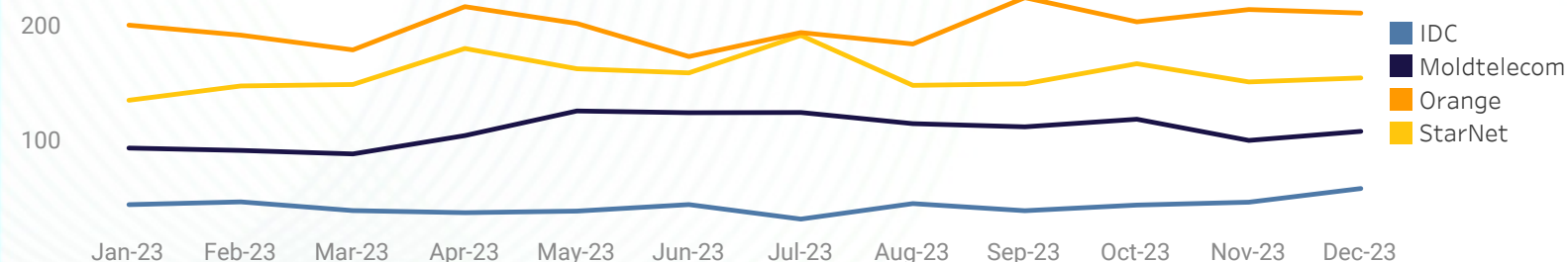
Source : nperf.com

## Download Speed (average)



Source : nperf.com

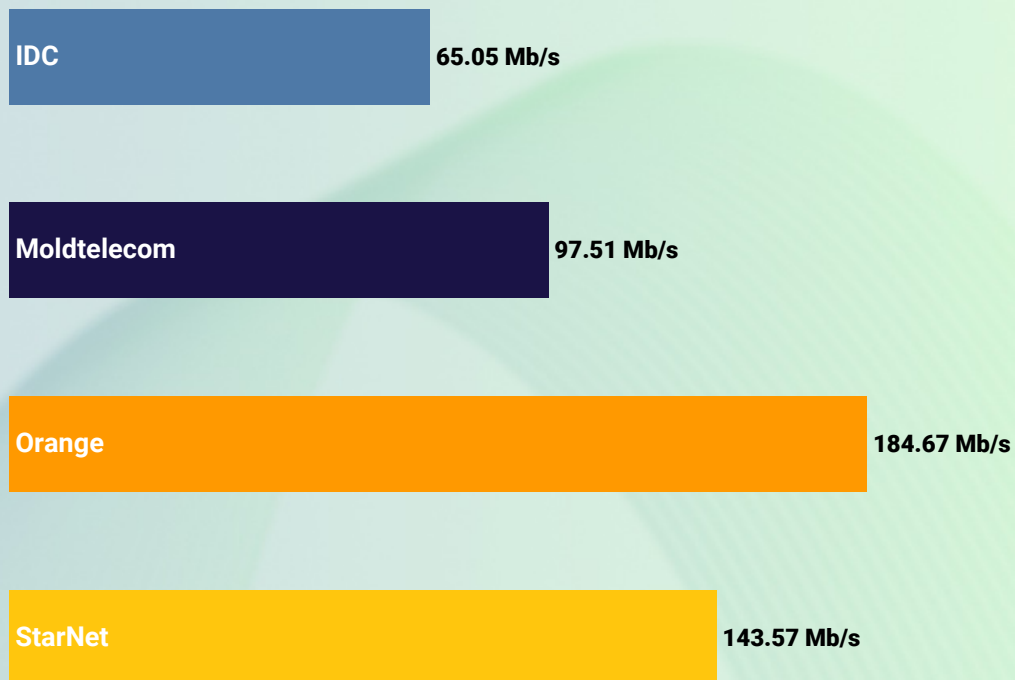
## Download Speed evolution over the year (average)



Source : nperf.com



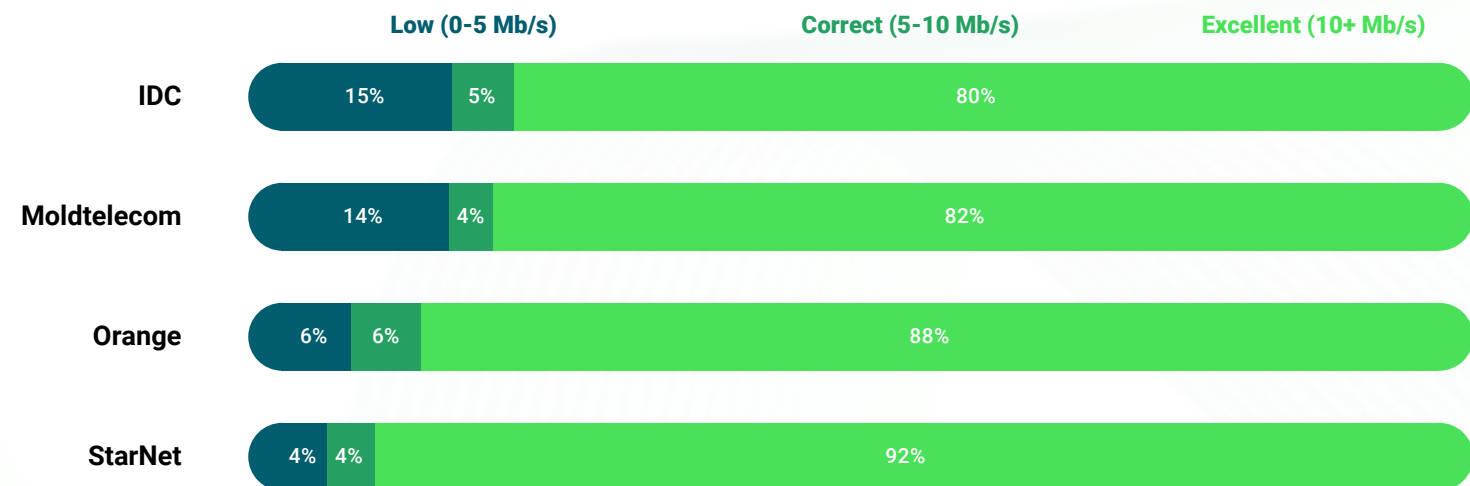
## Upload Speed (average )



Source : nperf.com

### The subscribers of Orange enjoyed the best average broadband upload speed in 2023.

## Upload Speed results ventilation (average)



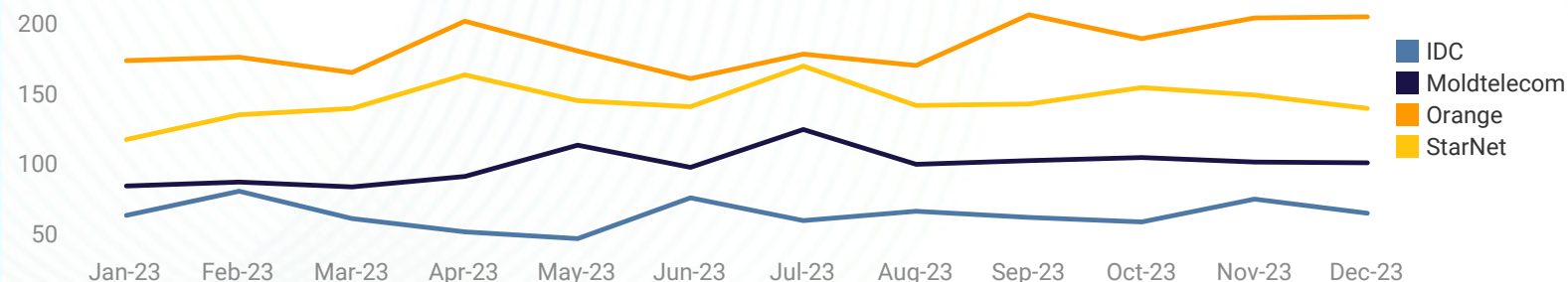
Source : nperf.com

## Upload Speed (average)



Source : nperf.com

## Upload Speed evolution over the year (average)

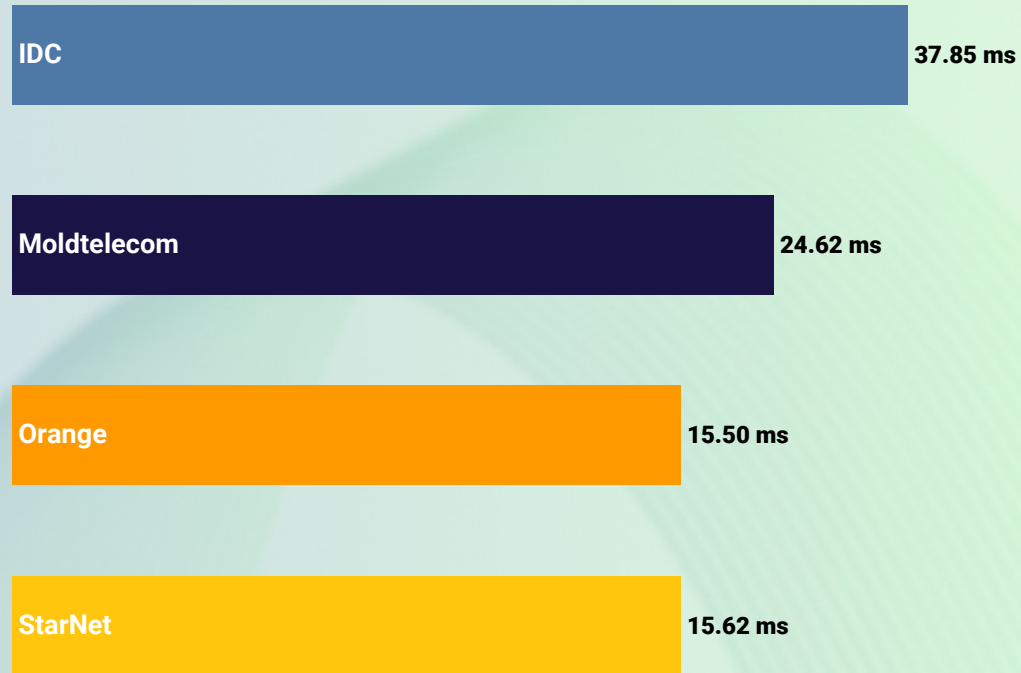


Source : nperf.com





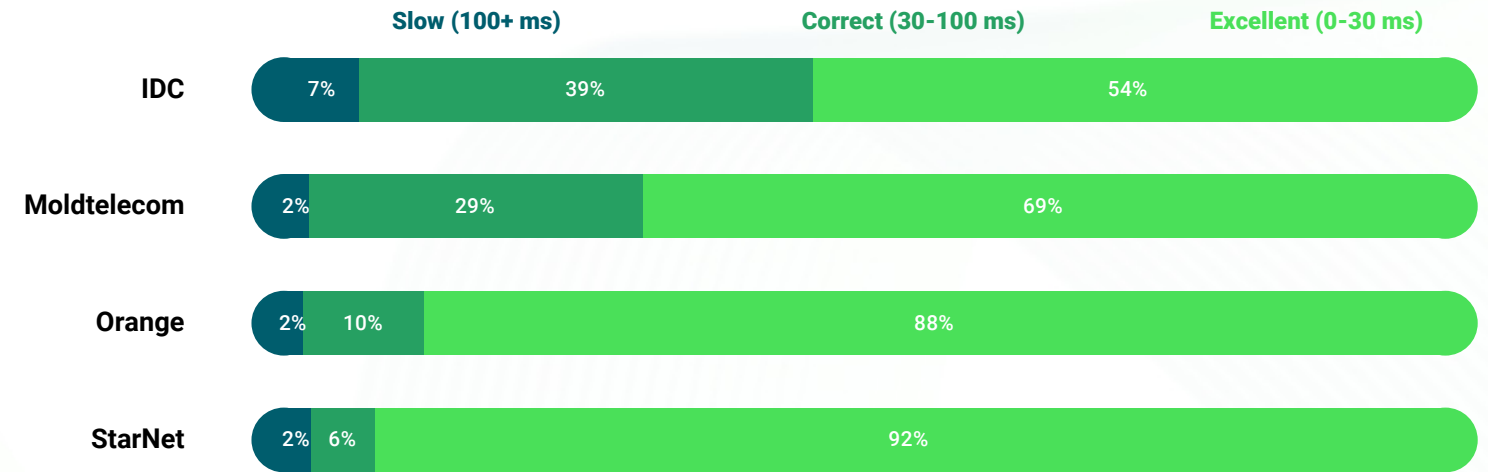
## Latency Speed (average)



Source : nperf.com

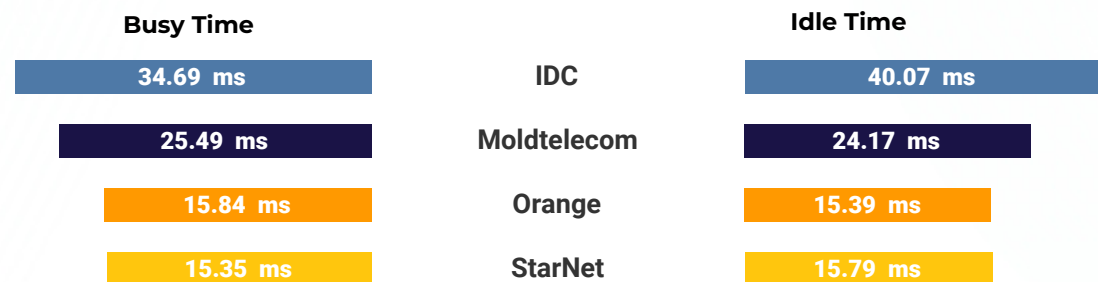
### The subscribers of Orange and StarNet enjoyed the best average broadband latency in 2023.

## Latency Speed results ventilation (average)



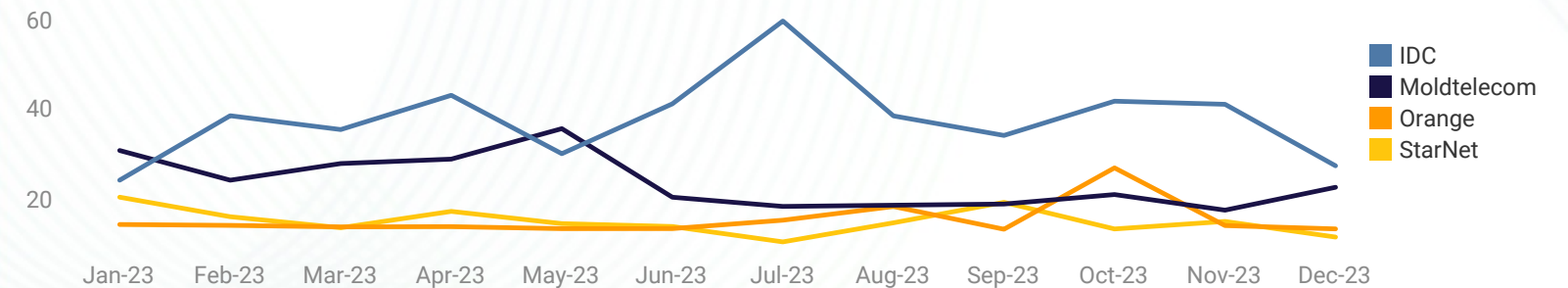
Source : nperf.com

## Latency Speed (average)



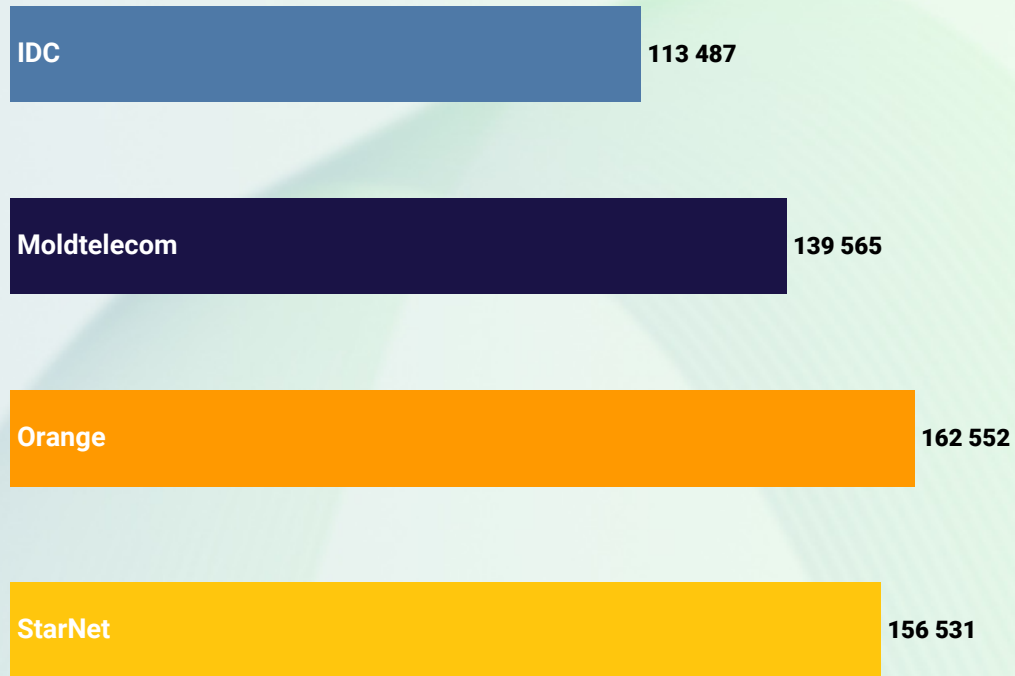
Source : nperf.com

## Average latency Speed evolution over the year



Source : nperf.com

## nPerf Score (nPoints)



Source : nperf.com

The subscribers of Orange enjoyed the best broadband performances in Moldova during 2023.

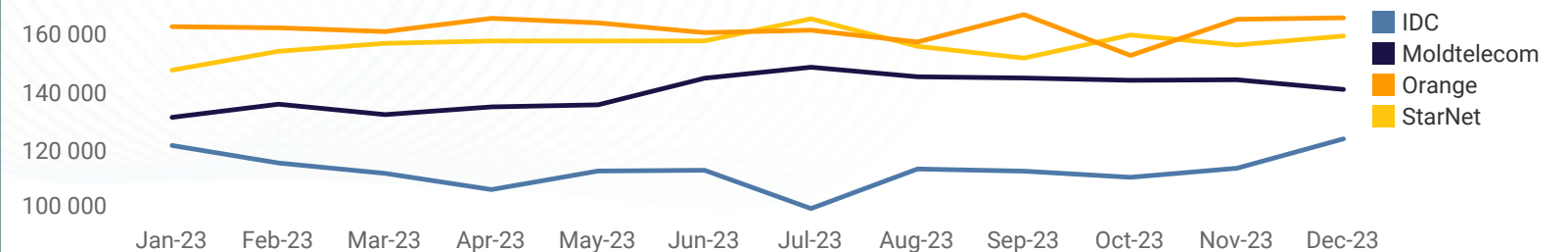
The nperf score takes into account the measured bitrates and the latency. The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user.

Thus, this score reflects the overall quality of the connection experienced by the user.

Source : nperf.com



## nPerf score evolution over the year (average)



Source : nperf.com



We qualify your connection