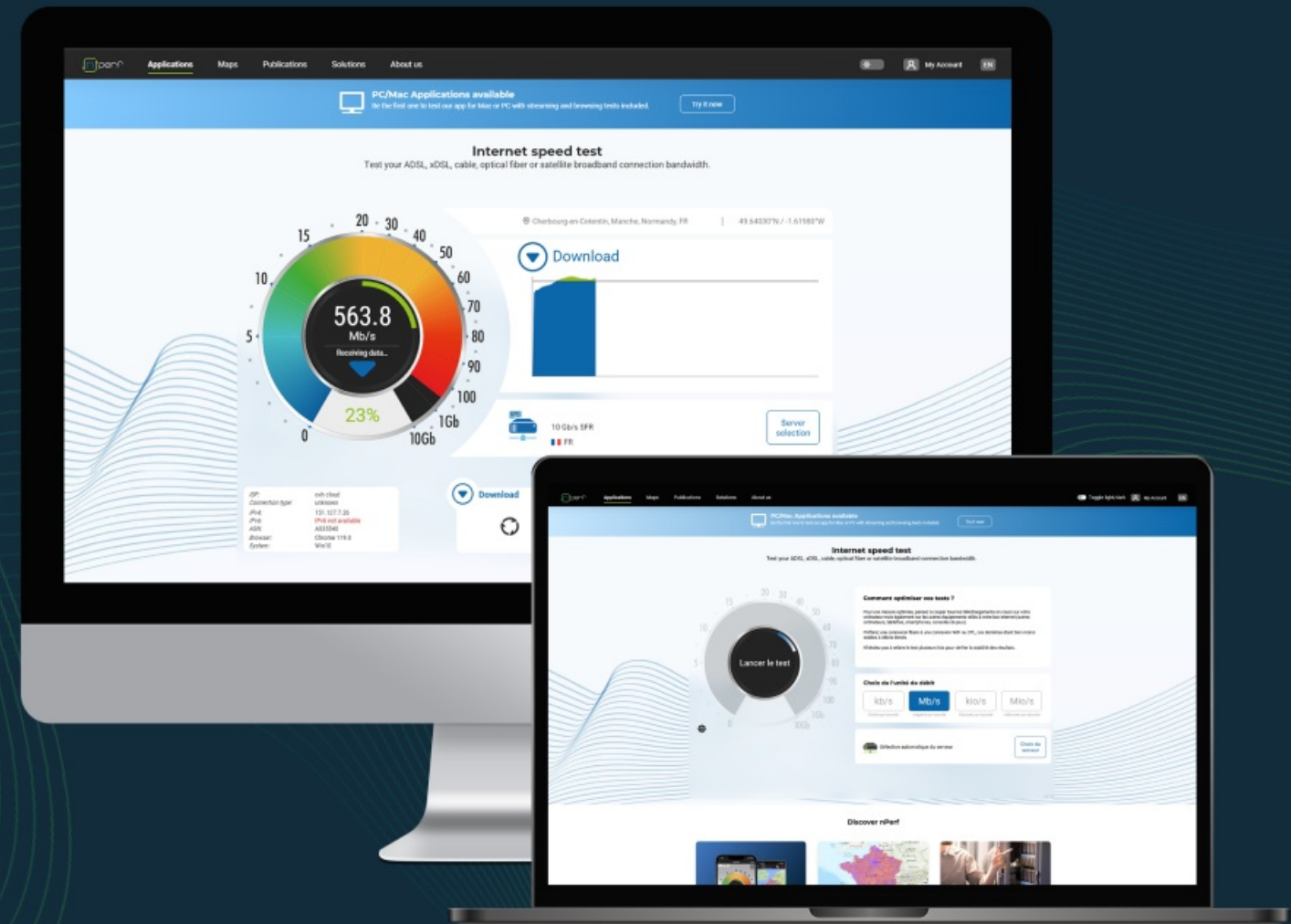




Barometer of fixed Internet Connections in Latvia.

01/01/2023 - 31/12/2023



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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 balticom enjoyed the best broadband performances in Latvia during 2023.

Fixed Internet connections in Latvia

	baltcom	balticom	Tele2	Tet
▼ Download bitrates (Mb/s)	164.02	201.31	30.38	99.67
▲ Upload bitrates (Mb/s)	155.98	195.09	10.58	84.21
◀▶ Latency (ms)	37.33	22.01	74.40	45.87
nPerf Score (nPoints)	142 124	157 179	84 049	125 835

balticom

Best fixed Internet performance
in 2023



Source : nperf.com

FTTH Fixed Internet connections in Latvia

	baltcom	balticom	Tet
▼ Download bitrates (Mb/s)	346.69	343.71	309.10
▲ Upload bitrates (Mb/s)	340.80	339.00	267.37
◀▶ Latency (ms)	34.05	20.34	35.92
nPerf Score (nPoints)	161 760	171 388	157 046



Source : nperf.com

Latvia's fixed broadband landscape is marked by a vibrant competition among ISPs, each showcasing distinct strengths and areas for improvement. This analysis delves into the overall market, highlighting the performances of key players and encapsulating the pivotal role of FTTH technology in shaping the future of broadband services in Latvia.

Balticom: the market leader

Balticom distinguishes itself as the frontrunner in Latvia's broadband market, delivering exceptional speeds with a download rate of 201 Mb/s and an upload rate of 195 Mb/s, coupled with a remarkably low latency of 22ms. Not only Balticom achieves the highest nPerf score among its peers at 157,179 points but also on every single metrics.

Baltcom: the strong competitor

Solid second, Baltcom presents itself as a formidable competitor, offering robust download and upload speeds of 164 Mb/s and 156 Mb/s, respectively. With a latency of 37 ms and an nPerf score of 142,124 points, Baltcom affirms its position as a key player in the market, ensuring a reliable and efficient service for its customers.

Tet: the reliable contender

Tet emerges as a reliable contender in the broadband market, providing solid download and upload speeds of 100 Mb/s and 84 Mb/s, respectively. With a latency of 46 ms and an nPerf score of 125,835 points.

Tele2: room for growth

Tele2, while trailing behind its competitors, offers download and upload speeds of 30 Mb/s and 11 Mb/s, respectively. The higher latency of 74 ms and a lower nPerf score of 84,049 points highlight areas for improvement, signaling an opportunity for Tele2 to enhance its service offerings and **elevate the user experience.**

Embracing the Future: Balticom is winning the FTTH market performance

ISPs like Baltcom, Balticom, and Tet are at the forefront of this FTTH segment, offering download speeds upwards of 300 Mb/s and upload speeds nearing the same mark. The significantly lower latencies at 20ms confirms Balticom leadership on the FTTH and the overall broadband market.

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) :

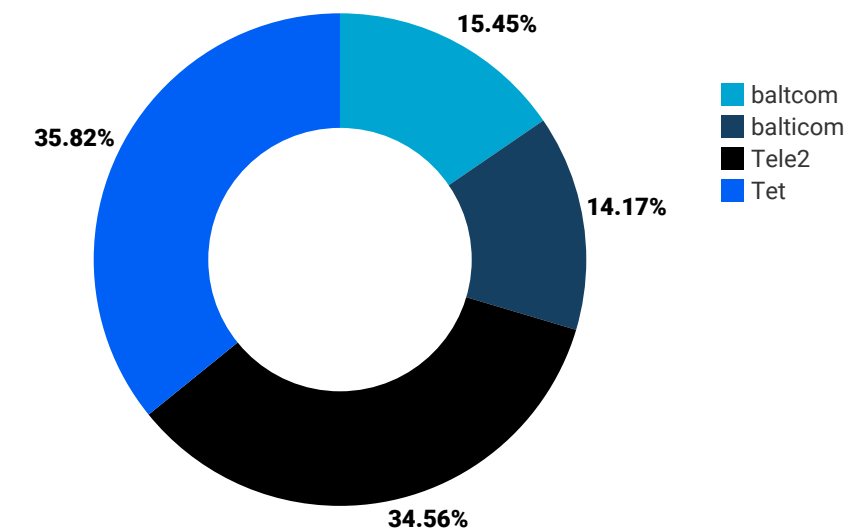
It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The main is the minimum value.

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.

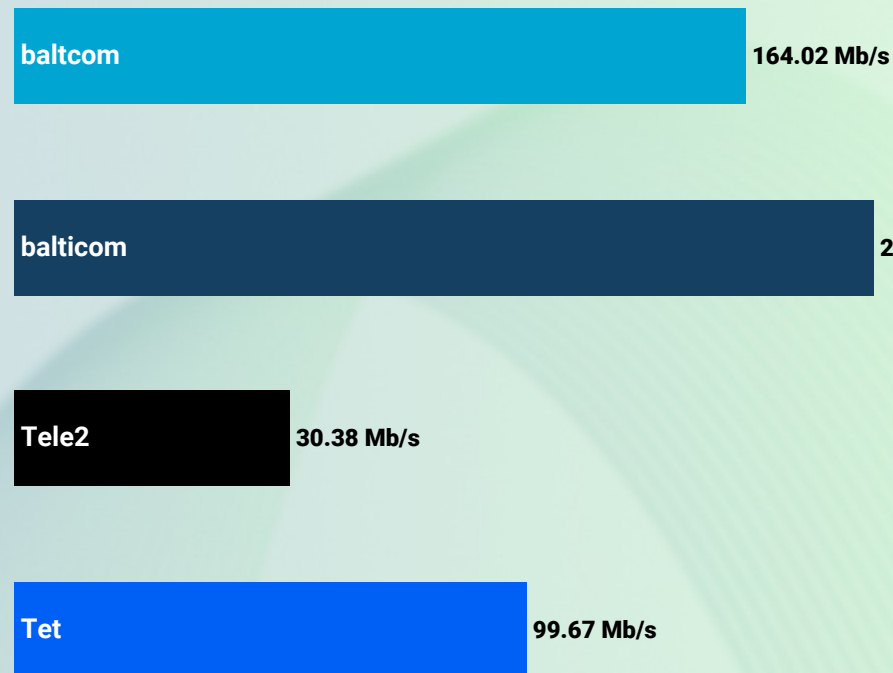
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



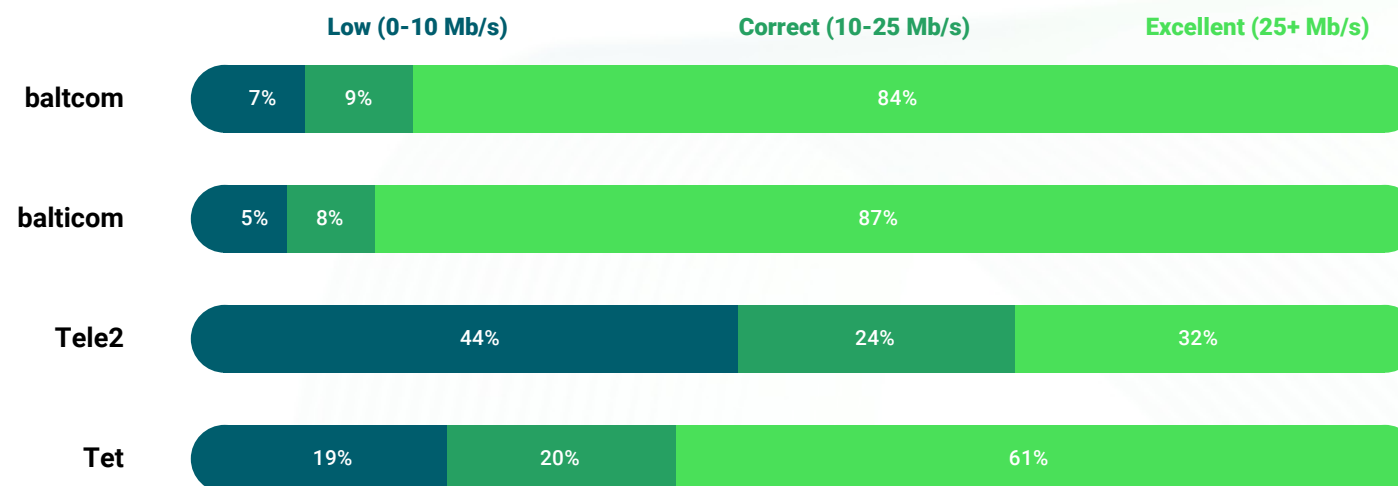
Download Speed (average)



Source : nperf.com

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

Download Speed results ventilation (average)



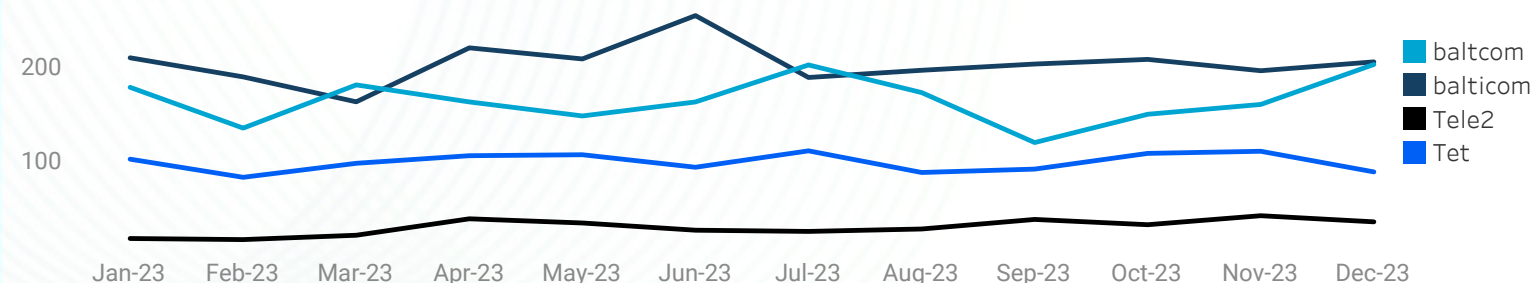
Source : nperf.com

Download Speed (average)



Source : nperf.com

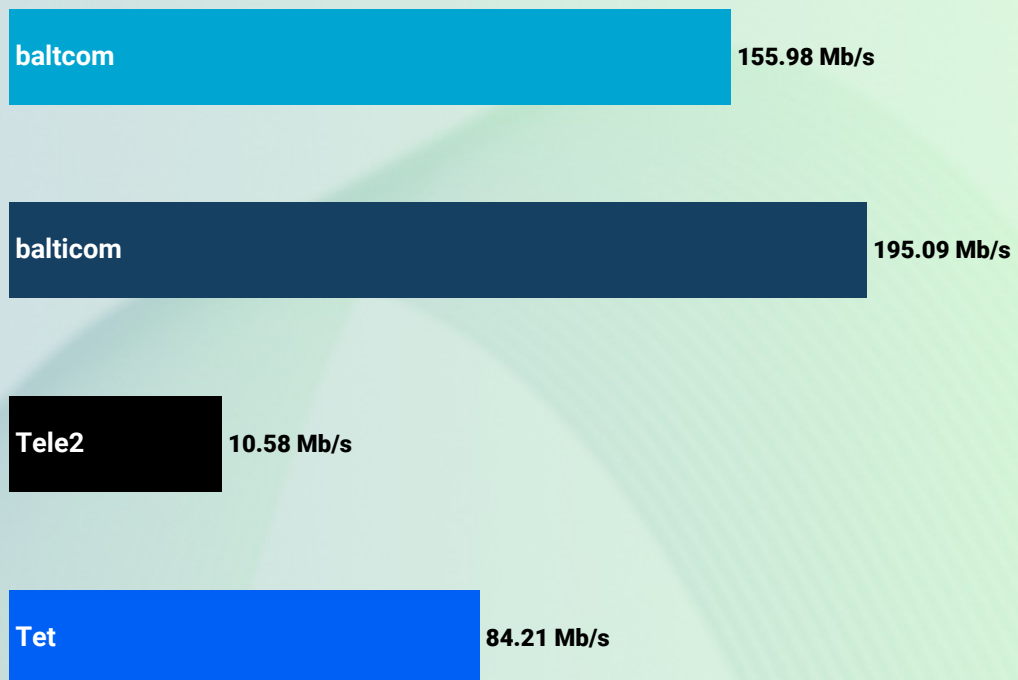
Download Speed evolution over the year (average)



Source : nperf.com



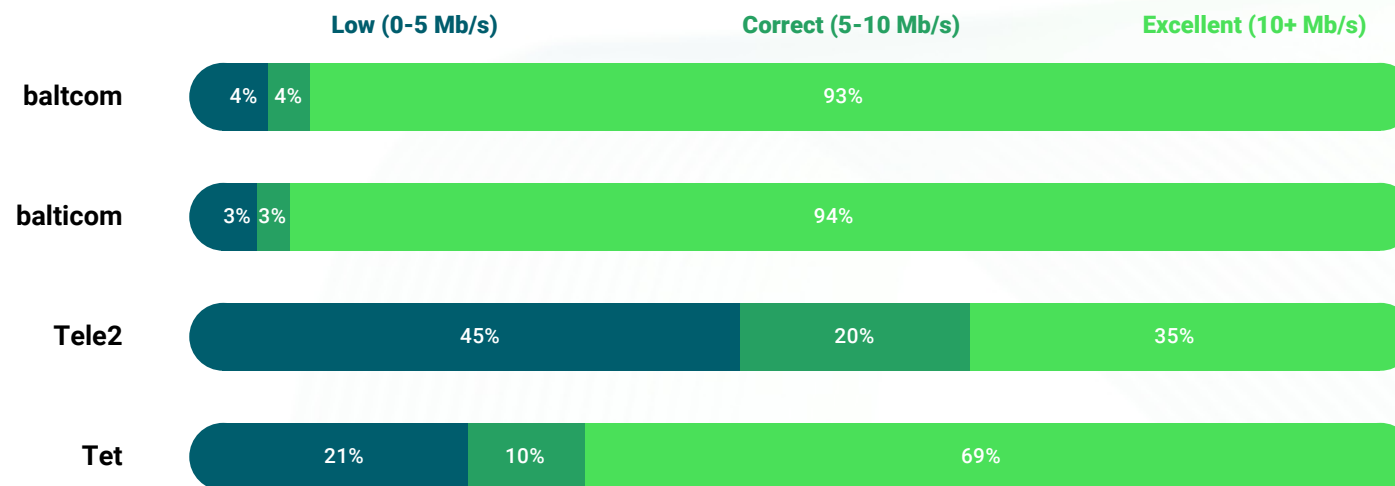
Upload Speed (average)



Source : nperf.com

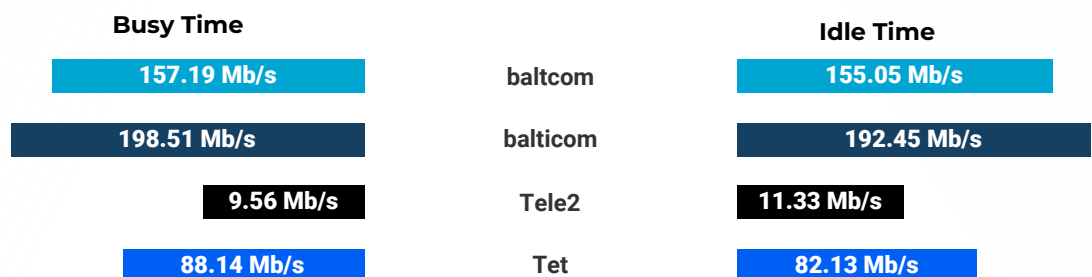
The subscribers of balticom enjoyed the best average broadband upload speed in 2023.

Upload Speed results ventilation (average)



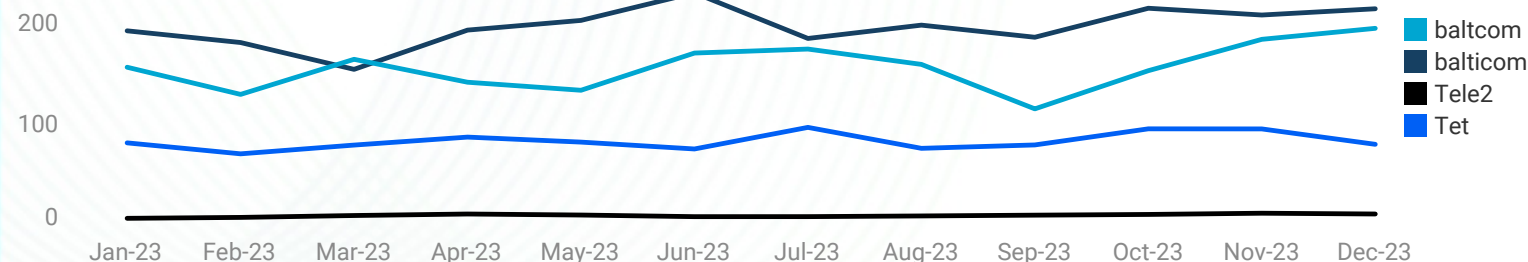
Source : nperf.com

Upload Speed (average)



Source : nperf.com

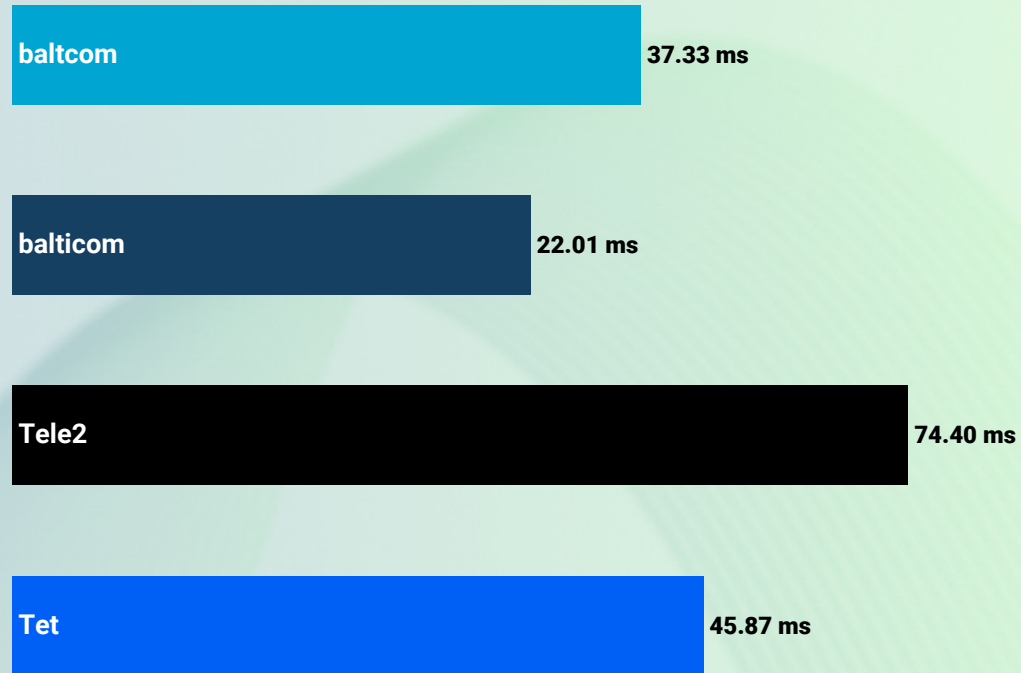
Upload Speed evolution over the year (average)



Source : nperf.com



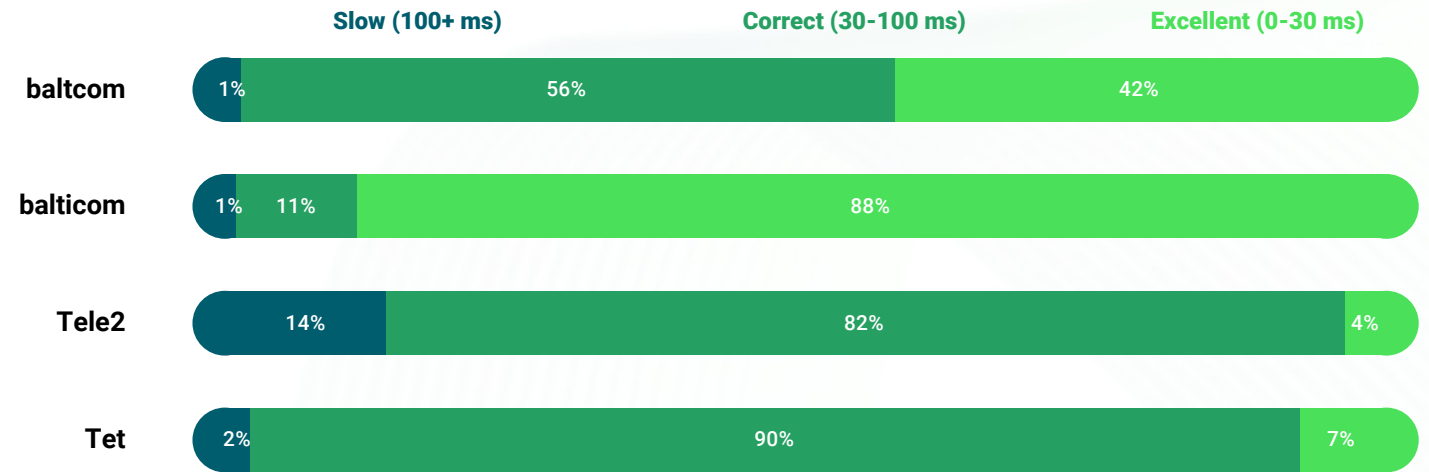
Latency Speed (average)



Source : nperf.com

The subscribers of balticom enjoyed the best average broadband latency in 2023.

Latency Speed results ventilation (average)



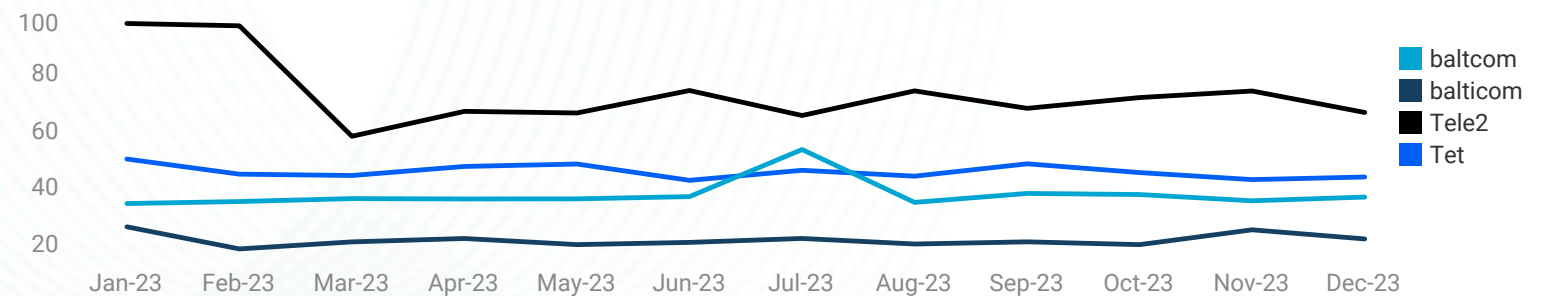
Source : nperf.com

Latency Speed (average)

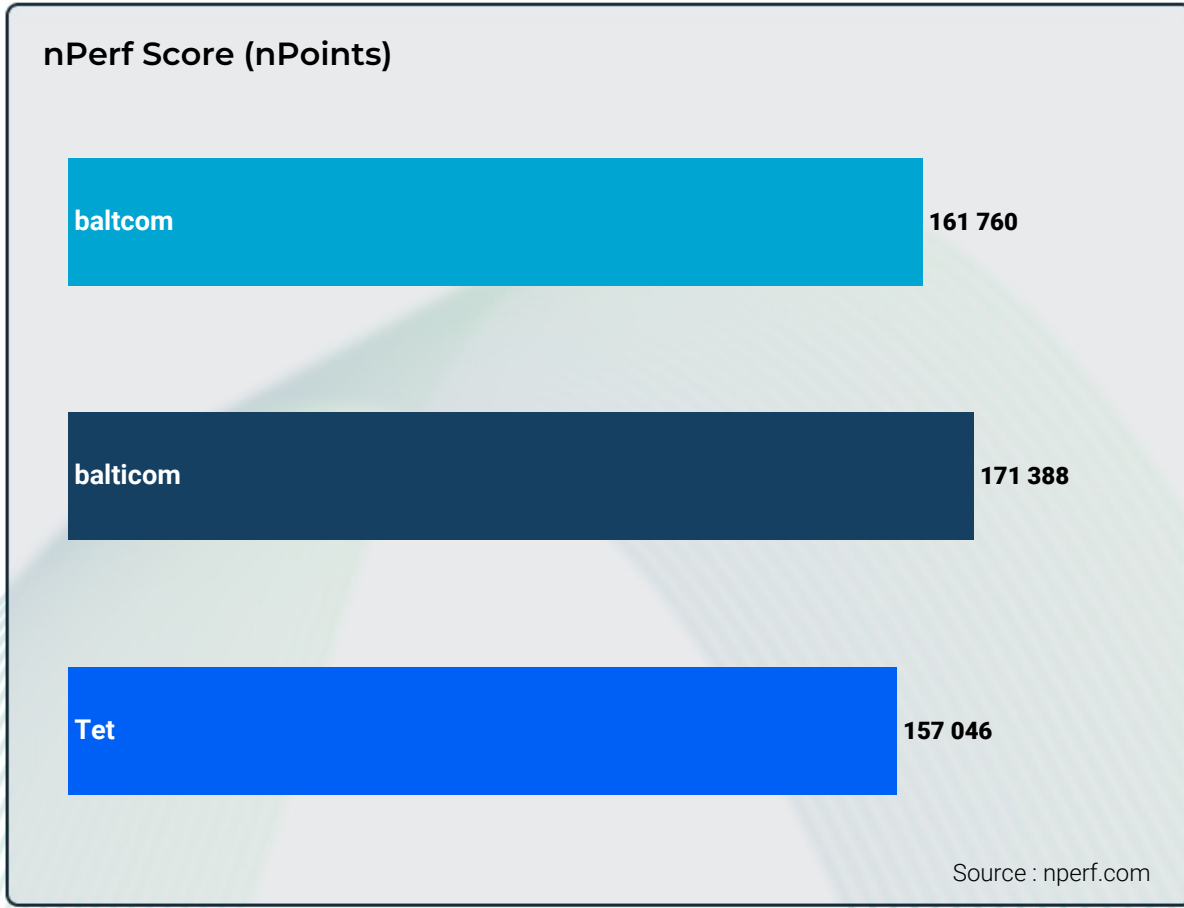


Source : nperf.com

Average latency Speed evolution over the year

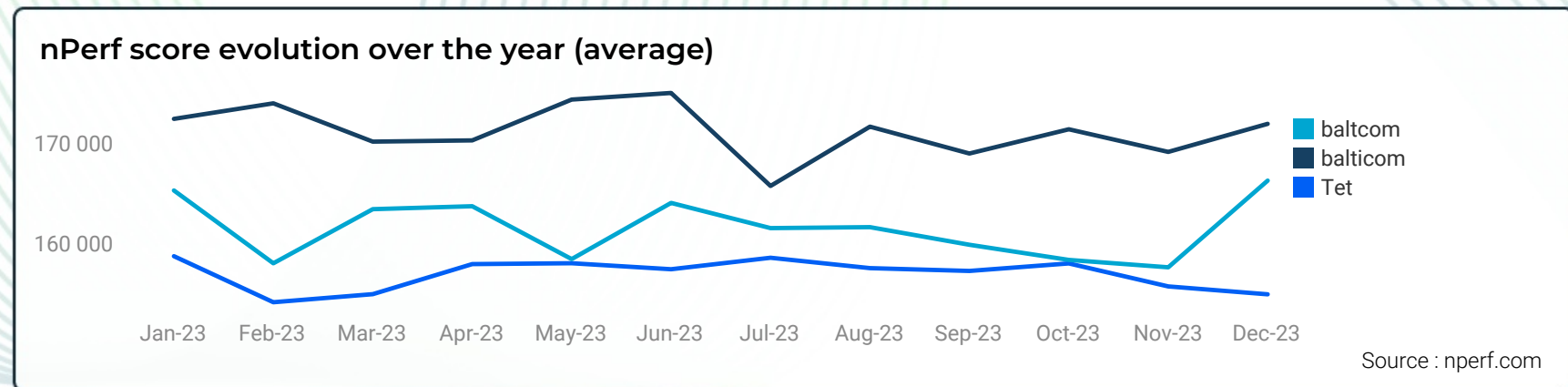
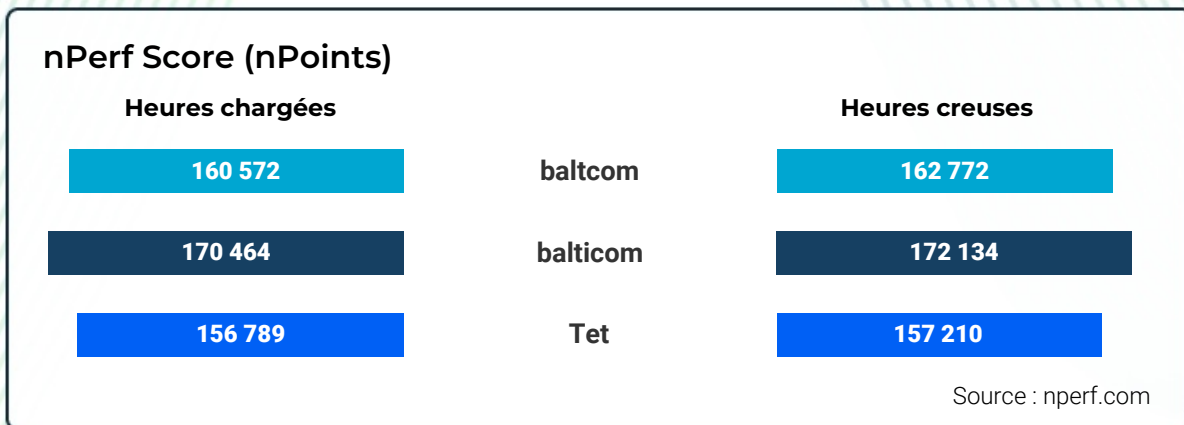


Source : nperf.com

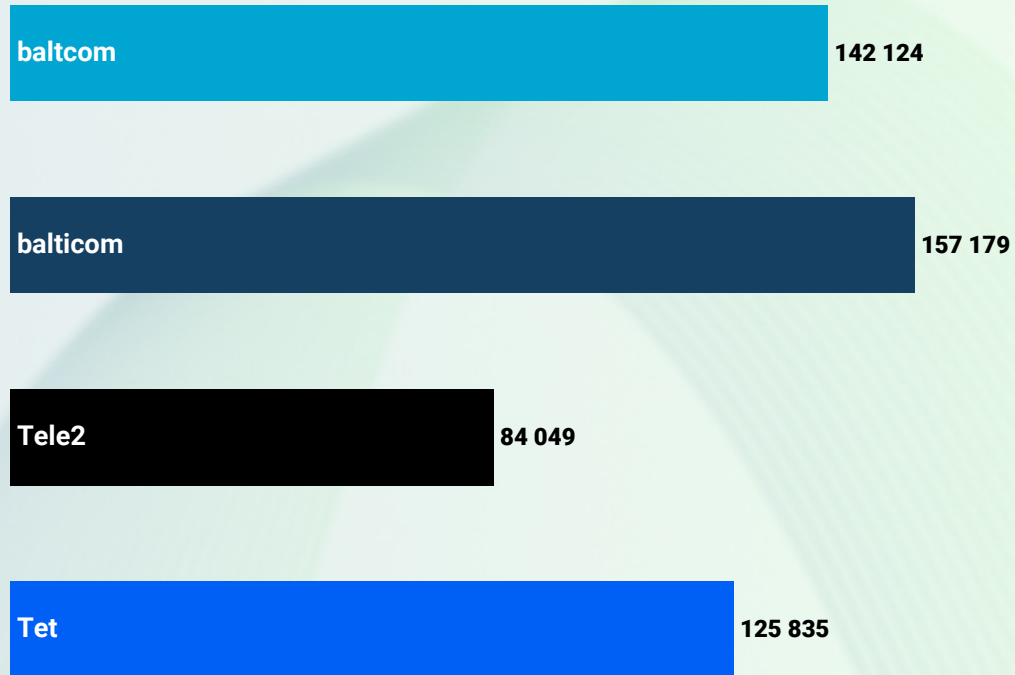


The subscribers of baltcom enjoyed the best broadband performances in Latvia during 2023 on FTTH.

- Best FTTH Internet Performance : Balticom (171 388 nPoints)
 - Best FTTH Download speed : Baltcom (346.69 Mb/s) and Balticom (343.71 Mb/s)
 - Best FTTH Upload speed : Baltcom (340.80 Mb/s) and Balticom (339 Mb/s)
 - Best FTTH Latency speed : Balticom (20.34 ms)
- Source : nperf.com



nPerf Score (nPoints)



Source : nperf.com

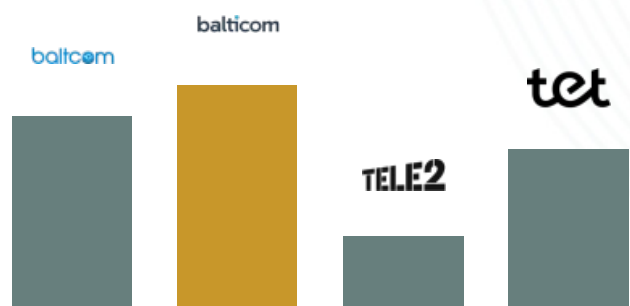
The subscribers of balticom enjoyed the best broadband performances in Latvia during 2023.

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.

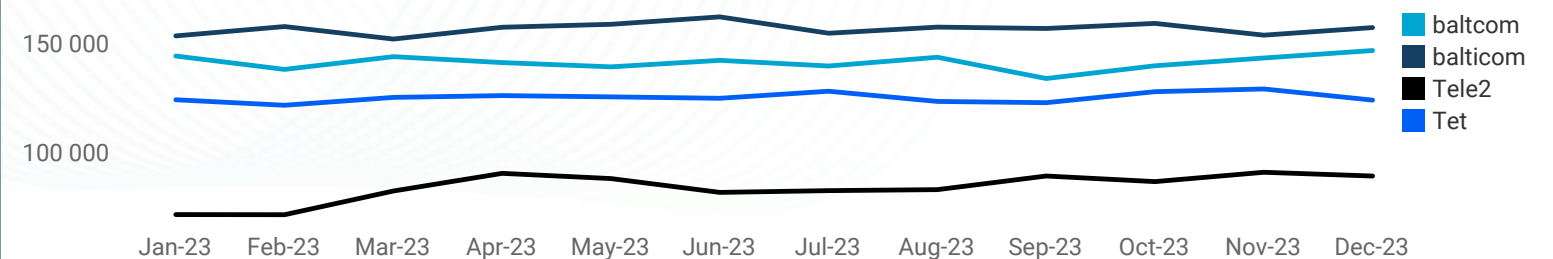
Source : nperf.com

Best fixed Internet performance in 2023



Source : nperf.com

nPerf score evolution over the year (average)



Source : nperf.com



We qualify your connection