

best in test.

For adding something on top in Portugal and reaching an overall score of 952 dots in fixed broadband benchmarking survey we proudly award this certificate to

Vodafone Portugal

Score 952 out of 1000



Hakan Ekmen
Global Networks Lead, Comms Industry




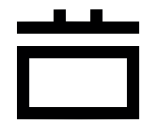



Report facts

umlaut tested and measured the performance of fixed broadband services in Portugal. Focusing on the real user experience, we tested the categories Download Speed, Upload Speed, Latency and Stability.

For this report crowdsourced performance data has been collected and evaluated in 24 weeks from CW38 2024 until CW09 2025. We collected 78.5 million samples from 111.330 lines.

 **78.5 million**
samples

 **CW38 2024**
to CW09 2025
measurement
window

 **111.330**
number of lines



Claims



 **Best in test**
Vodafone Portugal

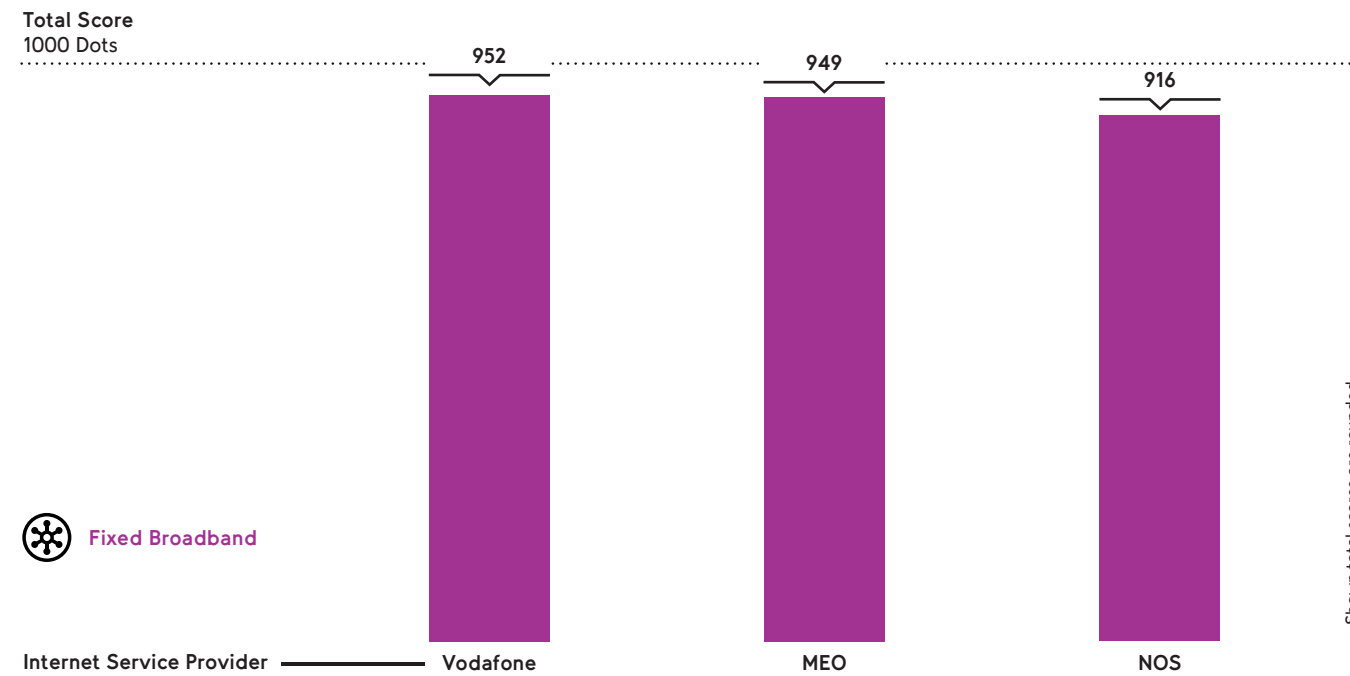
 **Best rated user download speed**
Vodafone Portugal

 **Best rated latency**
Vodafone Portugal



Score and breakdown

Vodafone Portugal achieved the highest overall score among competitors with 952 dots out of 1000.



Score achieved by the networks under test.



→ Shown total scores are rounded.

Service	max.	Vodafone	MEO	NOS
Download Speed	450	426	424	411
Upload Speed	250	235	235	228
Latency	250	243	242	229
Stability	50	48	48	48
Total	1000	952	949	916



KPI overview

Speed, Latency and Stability

Download Speed KPIs		Unit	Vodafone	MEO	NOS
Download Speed Active	AVG Datarate	[Mbit/s]	171.5	154.8	103.0
	P10 Datarate	[Mbit/s]	23.5	22.4	16.2
	P90 Datarate	[Mbit/s]	403.5	363.9	274.2
Download Speed Passive	UHD Video class	[%]	12.3	13.1	10.6
	Highspeed class	[%]	45.8	46.3	41.3
Upload Speed KPIs					
Upload Speed Active	AVG Datarate	[Mbit/s]	93.4	97.6	50.8
	P10 Datarate	[Mbit/s]	22.7	18.8	10.2
	P90 Datarate	[Mbit/s]	186.8	191.5	111.5
Upload Speed Passive	HD Video class	[%]	40.3	41.9	41.6
	UHD Video class	[%]	30.0	31.6	30.4
Latency KPIs					
Latency	Gaming class	[%]	98.7	98.6	97.3
	Egoshooter class	[%]	86.7	84.2	74.6
	Egoshooter class 10ms	[%]	58.4	53.8	29.8
Stability KPIs					
Stability	Transaction success	[%]	98.9	98.8	98.8

Measurement values achieved by the ISPs under test.

Methodology

As the de-facto industry standard, umlaut's benchmarking methodology focuses on customer-perceived network quality and covers a wide range of mobile and fixed broadband services.

For the collection of crowd-data used for this certification report, we have integrated a background diagnosis processes into thousands of diverse Android apps. If one of these applications is installed on the end-user's phone, data collection takes place 24/7, 365 days a year. We focus on the user experience. Our data collection is compliant with the GDPR, since we do not include any personal user data. This unique crowdsourcing technology allows us to collect data about real-world experience wherever and whenever customers use their smartphones to consume data services or place phone calls.

The umlaut benchmarking framework is based on a unified measurement method for true international comparability combined with the umlaut-Score approach. Our top priority is to fairly and transparently assess the global development of networks, push their quality and performance with our benchmarks and ultimately achieve improvements for every customer.



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