

NetTest

**A European Solution from Austria for
measuring Broadband Quality**

SERENTSCHY.COM

ADVISORY SERVICES GMBH

NetTest - Background

A European Solution from Austria for measuring BB-Quality

- 2011, the Austrian Telecom Regulatory Authority RTR developed a new concept for measuring broadband quality in cooperation with the IT company SPECURE
- “*NetTest*” has been designed as a truly European solution, 100% compliant with BEREC’s recommendations and aimed to be rolled out in many different jurisdictions in Europe
- Operated under the responsibility of the NRA as a neutral and trustworthy entity, *NetTest* delivers reliable results for the general public and for the authorities
- Therefore, *NetTest* has the ability, to function as an integral part of the European broadband quality and mapping endeavor.

NetTest – Key features (1)

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➤ Open data

- each individual measurement can be retrieved in an anonymized version
- enables transparency for end-users, operators and other interested parties
- possibility to combine these data with other data-sets (e.g. population density) serving as a

base for in-depth statistics

➤ Open source

- code of the basic version is publicly available
- easy and cheap way to adopt the solution everywhere else and to be independent from a single vendor at no license costs.

NetTest – Key Features (2)

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➤ Crowd sourced

- quality test results are based on 100.000-s of individual measurements
- Cumulative number of all tests performed so far: 2.72 Million complete measurements in 191 different countries
- 2.64 Million complete

measurements in all 28 EU countries

- Multi-client – works on all kind of connections and devices
- Filtering features – results can be selected by multiple filtering possibilities (network operator, fixed or mobile 2G, 3G, 4G)

NetTest – Key Features (3)

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- Identification of faked/false measurements
- Results are displayed on a map
- Interfaces for combining measurements from different countries.
- Full compliance with BEREC's recommendations.

NetTest – Additional Features and Outlook

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- Special feature for regulators – test results can be used to perform coverage measurements
- As of now, the tool has been deployed – partly by 3rd parties, using open source - in A, CZ, SLO, SRB and for BEREC; F and NOR are currently developed; rollout in SK

and HR are currently negotiated

- Next development step: dedicated hardware boxes for measurements fixed line and mobile connections in a complete controlled manner.

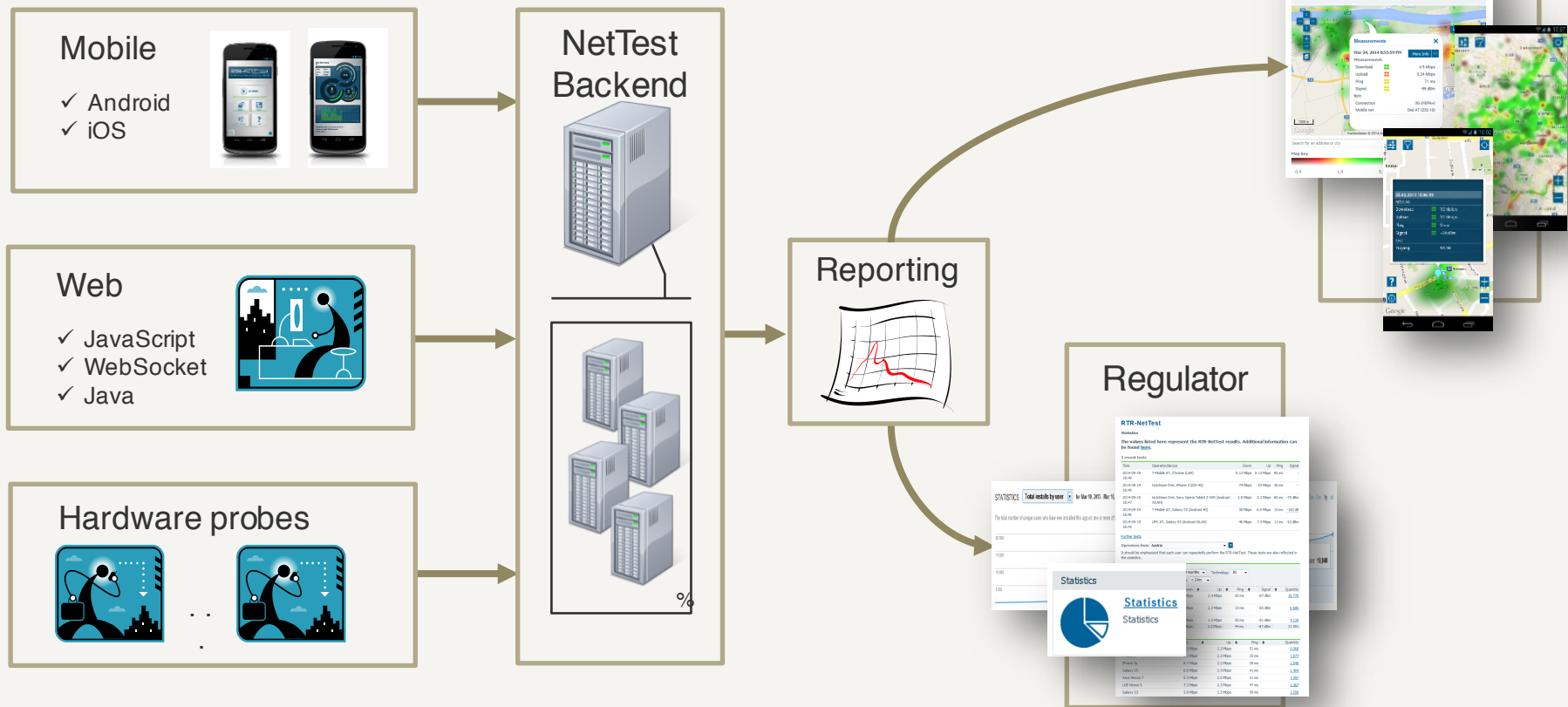
NetTest – The benefits for the general public

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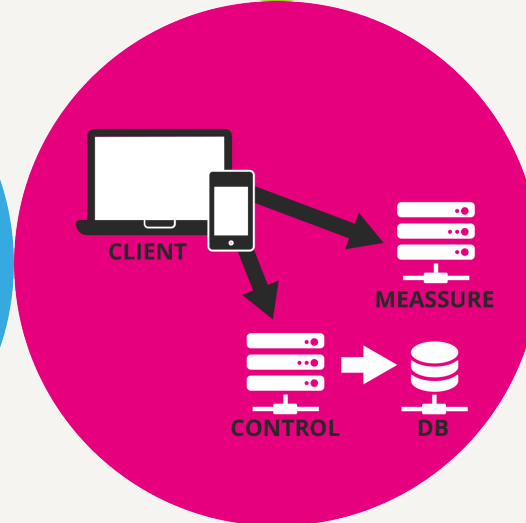
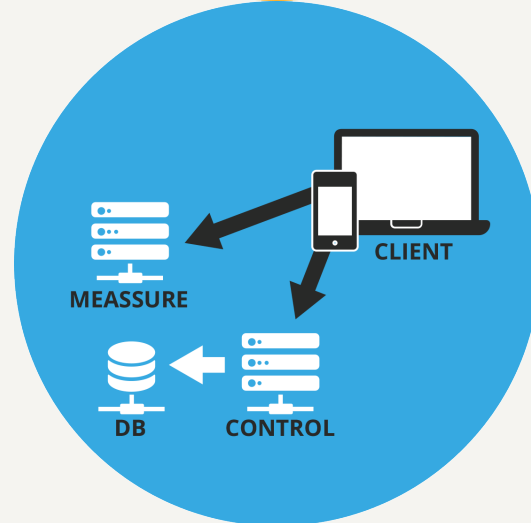
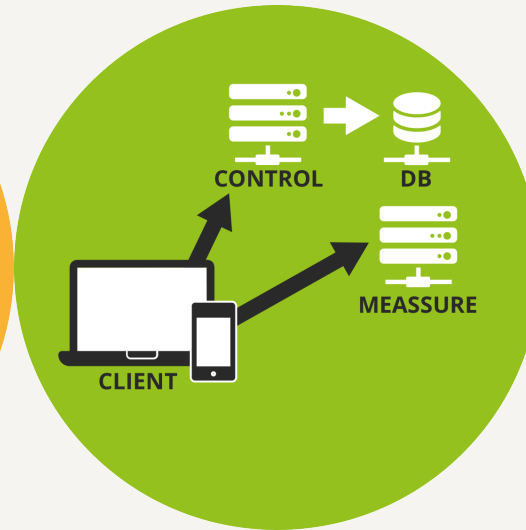
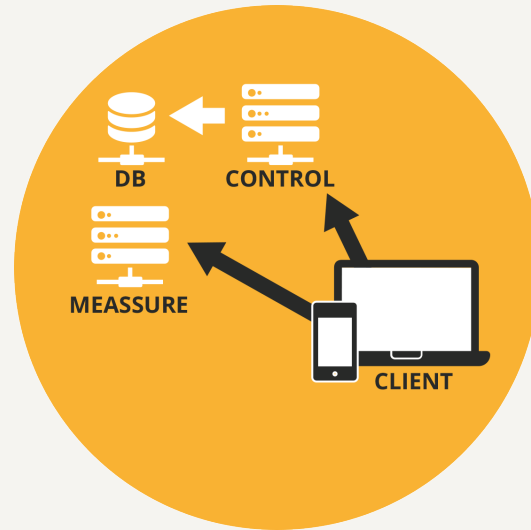
- Available instantly to everyone at no cost
- Transparent, reliable & credible App
- Easy to install and use
- 75+ parameters measured
- 60+ additional net neutrality tests
- Access to many useful live statistics.

NetTest – Basic structure

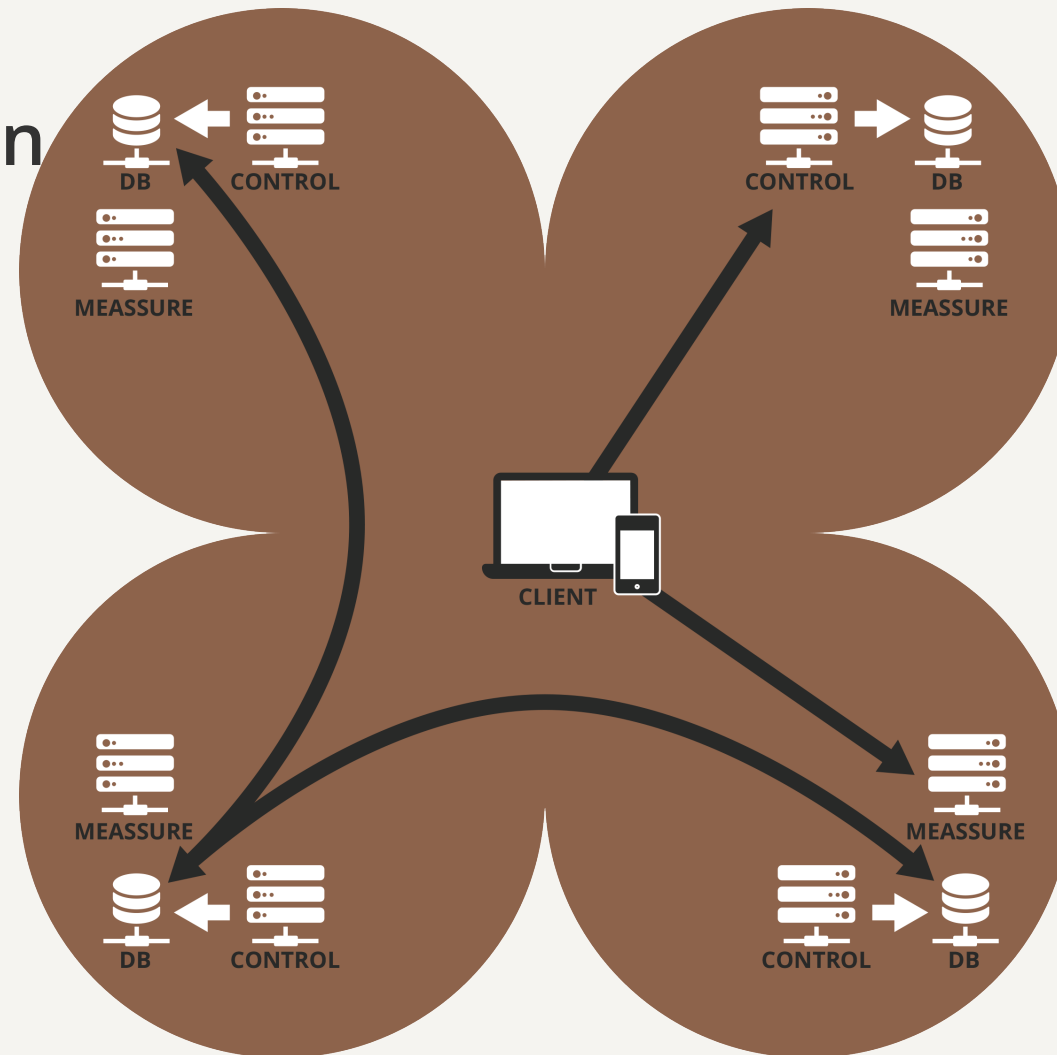
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NetTest - Current state



NetTest - European solution

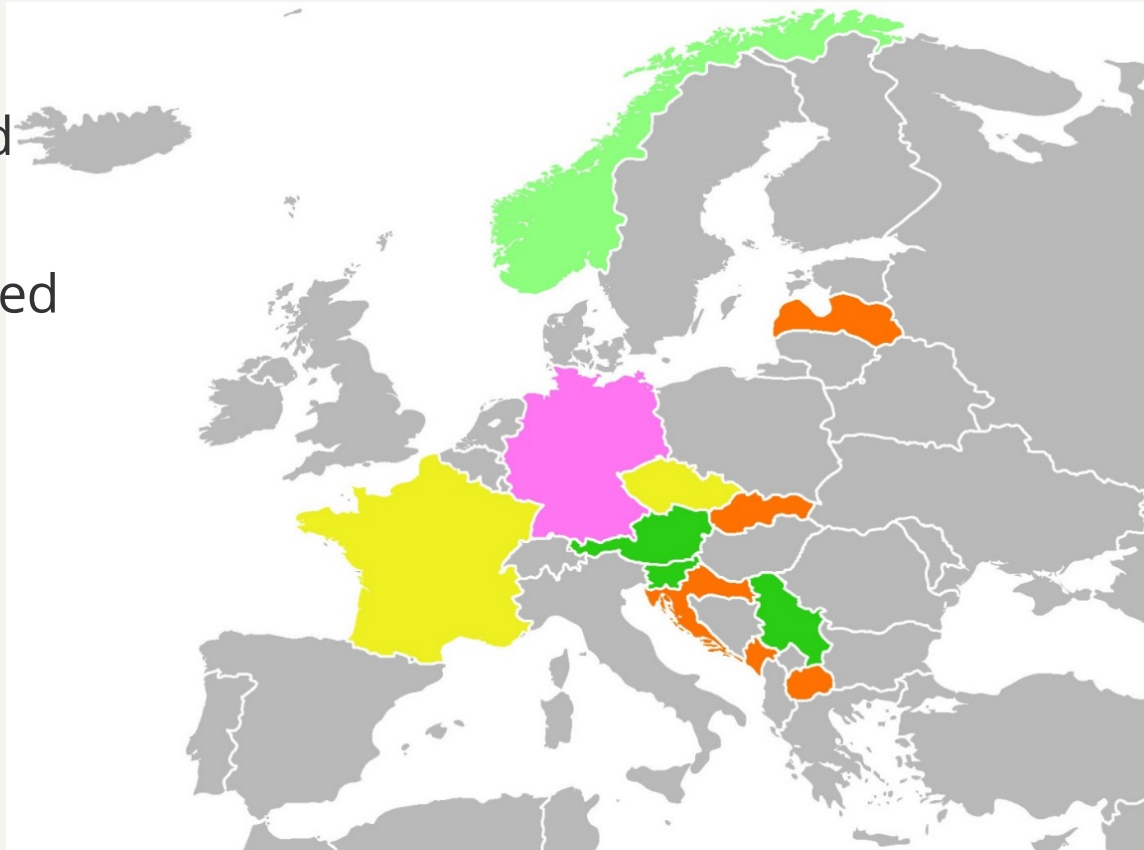


NetTest – Application in Europe

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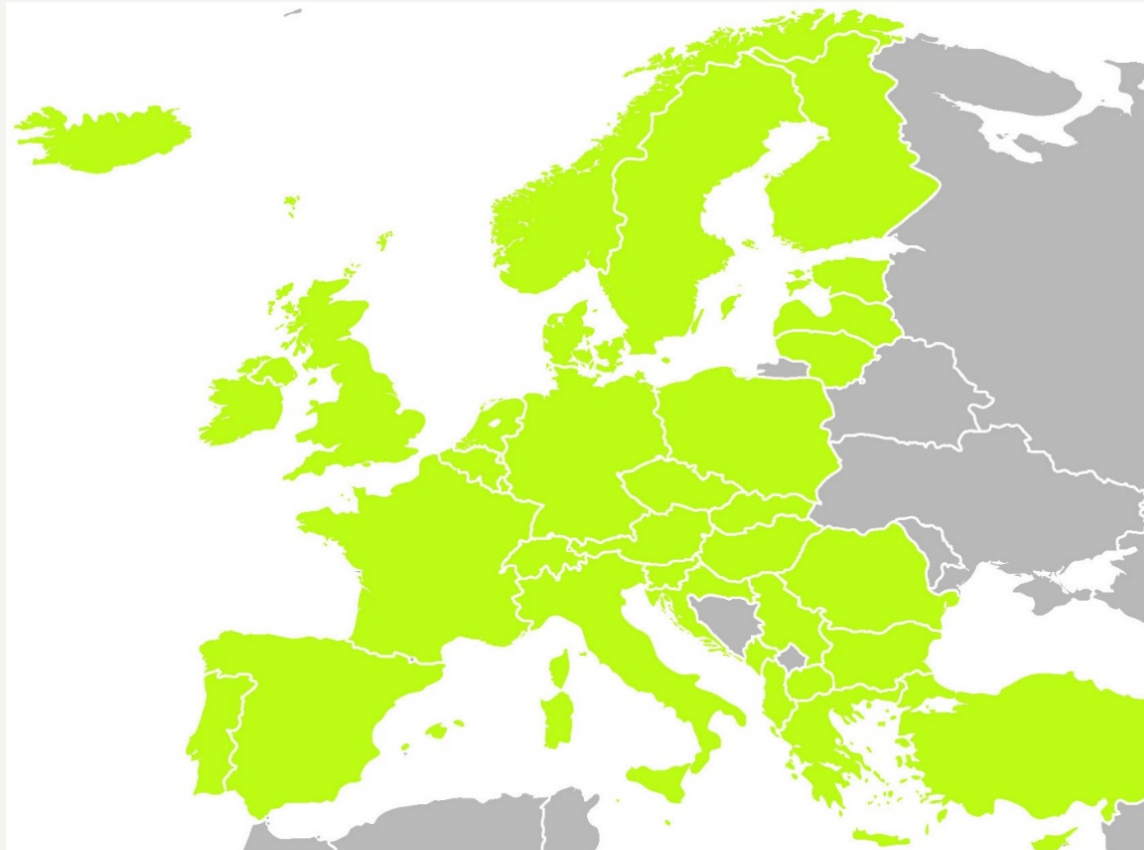
Legend:

- Operator provided
- Under negotiation
- Third party provided
- Specure provided
- Specure ongoing



NetTest – Application in Europe - BEREC

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