

Common Position on information to consumers on mobile coverage

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22.10.2019, ANCOM Conference, Bucharest

Body of European Regulators
for Electronic Communications

BEREC

The logo for BEREC (Body of European Regulators for Electronic Communications) features the word "BEREC" in a bold, sans-serif font. The letters "BERE" are in blue, and the letters "EC" are in a dark red color. A blue curved line sweeps under the "E" and "C", ending under the "C".

Context for informing consumers on mobile coverage



Consumers' benefit

Increasing transparency and helping consumers to make informed decisions before subscribing to a MNO



Overview of the networks

Overview of the development of the different electronic communication services provided over mobile networks

Main goals



Promoting competition

Transparency on the coverage provided by different operators can help promote more competition

4 Common Positions



CP1: Technical specifications

Technical specifications for providing relevant and comparable information on mobile coverage to European consumers



CP2: Mobile coverage estimation

The use of signal predictions for mobile coverage estimation



CP3: Ensuring the accuracy

Ensuring the accuracy of coverage information provided to the public



CP4: Presentation of mobile coverage

Availability and presentation of mobile coverage information

BEREC recommends that, when providing coverage maps to consumers, NRAs use a coverage definition based on service (e.g. voice or data) availability

Area is „in-coverage“ = service in the area is available with a pre-specified min rate of success

BEREC encourages NRAs to provide consumers with a multi-level coverage information



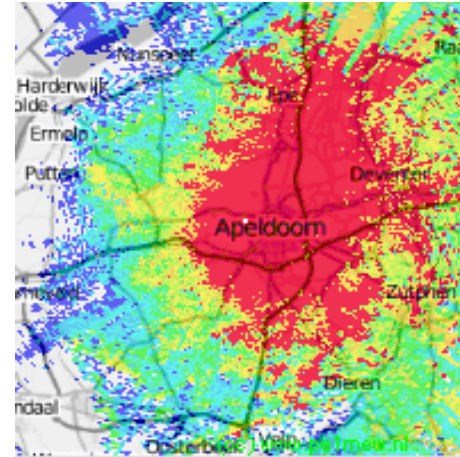
Example

NRAs should base coverage estimation (numerical data or maps) on coverage calculations/predictions, whenever it is not economically or technically possible to carry out field measurements of the whole country

An NRA may elect to:

- Generate coverage predictions and publish information* themselves
- Obtain the results of predictions from the operators and publish information* themselves
- Use a third party to generate the coverage predictions and publish information*

* Maps and/or metrics about mobile coverage



An example of mobile coverage prediction

Accuracy: Field measurements

NRAs should verify the reliability of mobile coverage information using, where appropriate, field measurements

Drive-testing measurements offer an effective method of testing the accuracy of mobile signal predictions and verifying the availability of mobile services



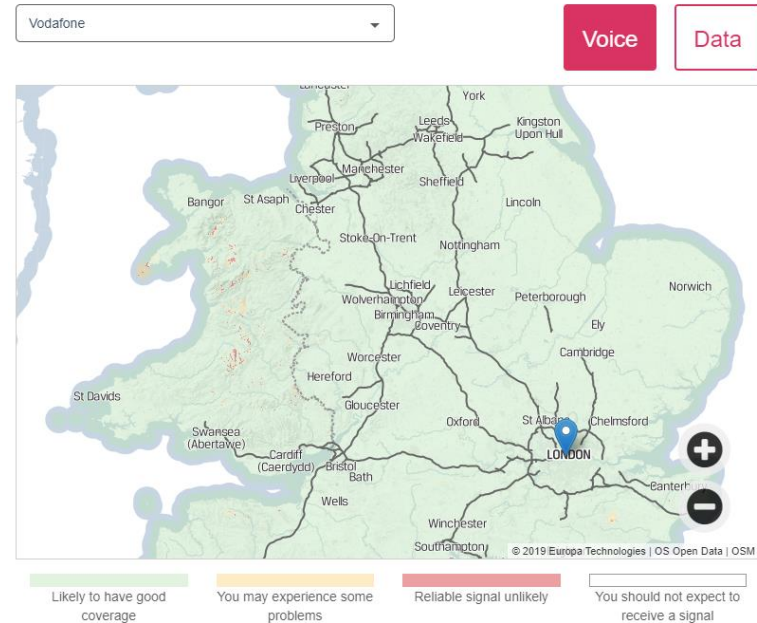
Photo of the equipment used in the drive-tests in Serbia

Presentation of mobile coverage

NRAs should strive to provide easy-to-access accurate mobile coverage information to the widest possible range of consumers

When NRAs publish coverage maps, they should consider the following:

- Provide for consumer confidence in the map
- Increase the effectiveness of information
- Providing a coverage map resolution of 100m or lower

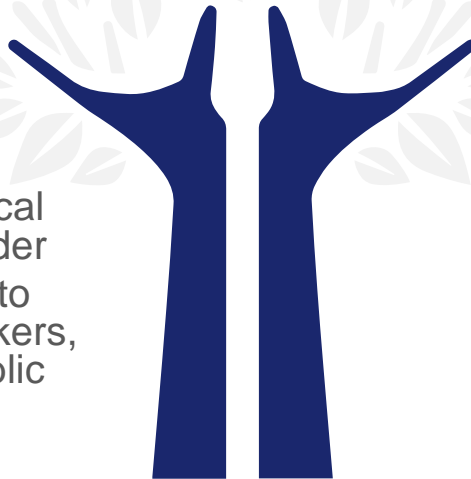


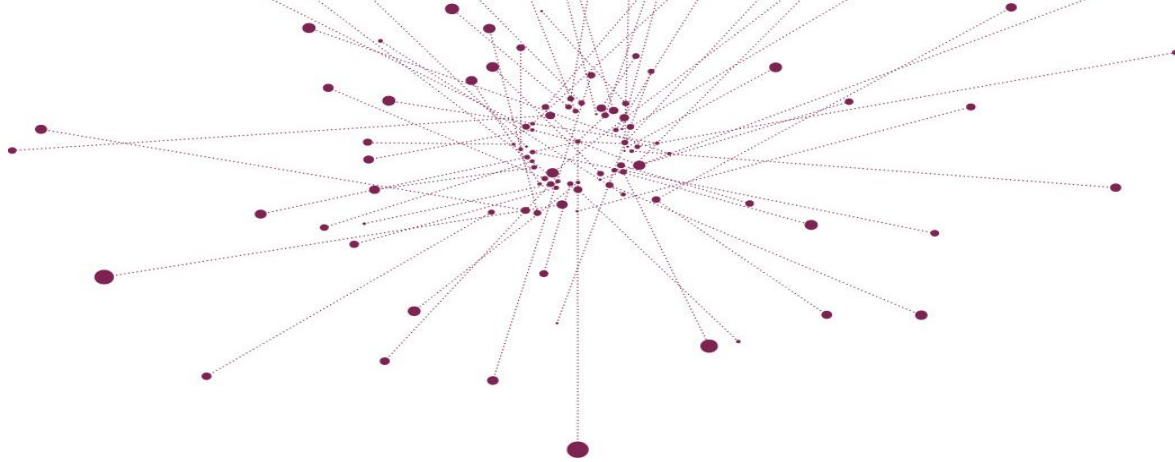
<https://checker.ofcom.org.uk/mobile-coverage>

**Describe the expected benefits
from NRA's presentation
of 5G coverage information
and QoS aspects
for use by verticals**

**Attempt to describe
the metrics that are
of relevance to the verticals**

- Assist verticals in optimising their connectivity solutions
- Input for negotiation process between vertical and connectivity provider
- Other benefits extend to consumers, policy makers, industry and wider public





Thank you!

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