

TELCONOMICS SERVICE

“BENCHMARK OF THE QUALITY OF MOBILE DATA SERVICES”

Quality of services offered by a mobile data network is an unpredictable feature due to a number of factors that might or might not be under operator’s control, such as end user devices installed base, traffic profile demand, radio ambient, signaling load and many other technical and topological factors affecting network performance. Performance of a mobile data network makes its non-aprioristic, which means it is not possible to plan and assure a certain level of quality for its delivered services. What it is possible is to determine empirically and statistically that quality; therefore, it is possible to determine the differences in the Quality of services among the several Operators providing services to the market. That’s what Telconomics Service “Benchmark of the Quality of mobile data services” delivers.

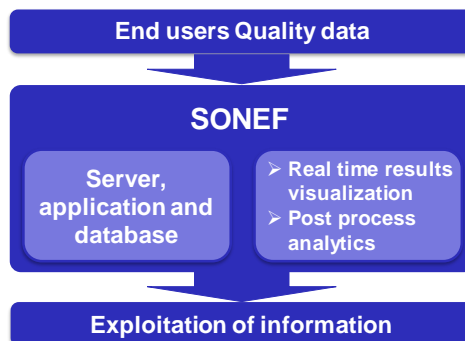
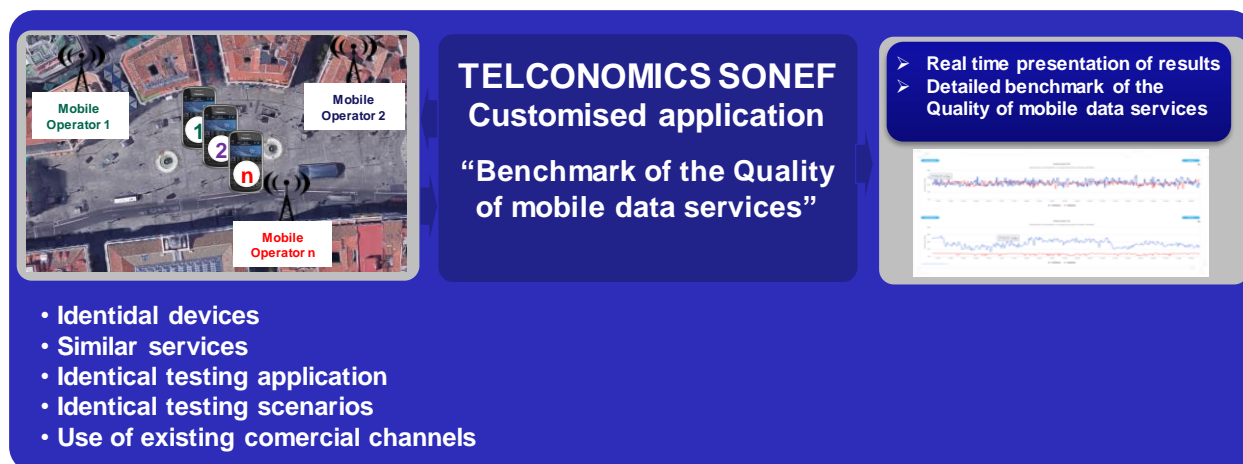



Figure below shows a typical implementation of the service.





- Identical devices
- Similar services
- Identical testing application
- Identical testing scenarios
- Use of existing comercial channels

TELCONOMICS SONEF

Customised application

“Benchmark of the Quality of mobile data services”

- Real time presentation of results
- Detailed benchmark of the Quality of mobile data services



As for the very nature of mobile technologies and diversity of devices and applications, Quality has to be studied under a probabilistic view. That means that determining the Quality of mobile data services requires to consider a statistically significant number of measures for a given scenario. The more measures are done, the more statistically significant and stable is the result. The Service applies to a single spot scenario for a very specific propose to an unlimited number of scenarios covering nation-wide mobile data offerings. There is no practical limit to the number of scenarios to be considered.

SONEF is a proven market platform from Telconomics. “Benchmark of the Quality mobile data services” is a proven market application over SONEF.

An over the shelf version of Telconomics SONEF “Benchmark of the Quality of mobile data services” specially intended for short time to results and very friendly use is available.

TELCONOMICS SONEF
Empirical and statistical determination of the objective quality of mobile data services