



SYSTEMICS PAB
Network Quality Experts

CERTIFICATE

Systemics-PAB Sp. z o.o.

Wolodyjowskiego 46 B, 02-724 Warsaw, Poland
hereby certifies that

Orange Communications Luxembourg SA

8, rue des Mérovingiens, L-8070 Bertrange, Luxembourg

Received the title for

BEST MOBILE NETWORK IN LUXEMBOURG

This certificate is based on the results of measurement campaign, which was carried out by Systemics-PAB in November 2016. The measurement campaign assessed the quality of experience of mobile services in Luxembourg. We also tested Carrier Aggregation (presence of 2 carriers) coverage for all operators in Luxembourg: Orange Communications Luxembourg SA (Orange), P&TLuxembourg (Post) and Tango SA (Tango). Systemics-PAB performed the benchmarking measurements throughout Luxembourg covering 20 largest cities as measured by population, and national roads across the country. The measurements were carried out using SwissQual Diversity system equipped with Sony Xperia Z5 terminals for voice and data tests. For the coverage assessment Rohde and Schwarz radio scanners were used. Voice tests were done in mobile to mobile mode. The assessment of quality of services was done using international standards and Systemics-PAB expert knowledge.

The results of the measurements showed Orange as the operator offering best quality of experience of mobile services in Luxembourg. Data throughput tests also placed Orange as having best results in this category. Orange Communications Luxembourg SA can therefore be certified as the operator with:

- the best network in Luxembourg,
- the best overall results for data KPIs in Luxembourg
- the best overall results for voice KPIs in Luxembourg

Certificate Date: 15.12.2016


Pawel Biskupski
Managing Director