

Test Runs: Mobile Radio / Mobile Communications

Verification of Coverage and Quality

Railway infrastructure managers must ensure safe railway operations, including reliable operational railway mobile radio (RMR).

DB Systemtechnik provides measurement runs to verify network coverage and Quality of Service (QoS) in accordance with applicable standards.

State-of-the-art measurement technology is available on the high-speed measurement train ICE-S, two radio measurement control cars and a Class 612 multiple unit.



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Our services

- GSM-R QoS measurement runs for ETCS Level 2 infrastructure (UIC O-2475)
- Periodic inspections of analogue railway radio systems (UIC Leaflet 751-3)
- GSM-R acceptance measurement runs (DB Guideline 860.1206)
- Development of FRMCS measurement technology and requirements
- EBA-recognised experts for GSM-R acceptance testing
- RU services for measurement runs
- Measurement planning, execution and evaluation, including test reports and technical expert assessments

Reference projects

- GSM-R QoS measurement runs on lines 4813, 4000, 4280 and 4010
- Numerous GSM-R acceptance measurement runs across the DB InfraGO rail network
- Project for defining requirements for FRMCS radio measurement technology

Your contact

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Your advantages

- Radio measurements on all standard-gauge railway lines
- Railway undertaking and testing services from a single source.
- Expert support in analysing and resolving identified issues
- Extensive experience in trial runs and measurement campaigns
- Independent and reliable expertise in mobile and railway communications



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