

Project title	GSM-R Compliance Support Services
Client name	Network Rail- Network Rail Telecoms (NRT)
Date	2018 to date

SCOPE/OBJECTIVE



Network Rail Telecoms recently underwent a major upgrade of their national GSM-R infrastructure from the original Baseline 0 to Baseline 1. They also implemented changes to their Fixed Terminal System and Network Switching Subsystems. These changes resulted in a need for the GSM-R Technical File for compliance to be updated as well as a new Module SB 'Type Examination' certificate.

AEGIS were commissioned to support NRT in gathering and the required evidence to achieve SB certification. This included the development of compliance matrices against the updated EIRENE standards, maintenance of the technical file and the presentation of design, test and historical engineering documentation to the ApBo.

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TECHNOLOGY USED (IF APPLICABLE)

Systems Engineering:

- GSM-R radio networking.
- Data transmission networks.
- Operational telephony systems.
- Route wide security systems.
- Engineering Safety Management.
- Requirements specification & Capture.
- RAMS.
- Technical interface management.

HOW WE HELPED

AEGIS provided a team of experienced signalling and telecoms engineers to liaise with the ApBo on behalf of Network Rail. The team developed matrices to show compliance against specific clauses of the updated standards and highlighted technical changes to the system. The project resulted in the successful receipt of the SB certificate allowing Network Rail to update the system across the UK network.



AEGIS Case Study

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OUTCOME

Due to the expert knowledge and experience of the AEGIS team, feedback from the ApBo was handled in house resulting in a more streamlined process for the client. After initial technical discussions with the team, AEGIS were able to close out observations efficiently, allowing the SB certificate to be issued to NRT and other ongoing NR infrastructure projects.