



Next Generation Communication System



TD2.1 Adaptable Communications for all railways

User & System Requirements

Business Model

Specification of the Communication System

Guideline for a Choice of Technology

Development of Prototypes

Field Tests





Collaboration & Interactions







Communication Architecture







Innovation beyond Technology







Horizon 2020 European Union Funding for Research & Innovatio

Next Generation Communication in Shift2Rail

Overcome the current limitations of GSM-R

Bearer independent and transparent to applications

Multi-Access Support & Resilient to Radio Technology Evolution

Backward compatible to ensure coexistence and smooth migration

Enable new operating models including "Network-as-a-Service"

Support new innovation and applications for railways