

# **Supply Industry Vision: Status on GSM-R and GPRS deployments, foreseen challenges for FRMCS migration**

ERA CCRCC Conference

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## UNITEL introduction

- **UNITEL is a committee of UNIFE and focuses on railway communication topics and challenges**
- **UNITEL contributes to the activities of the European Union Agency for Railways (ERA) and the UIC in the field of future ERTMS and FRMCS technical specifications in strong cooperation with UNISIG.**
- **UNITEL is focused on the maintenance of existing GSM-R networks and ensuring a seamless transition and migration towards FRMCS**
- **UNITEL supports also European Railway Research & Development initiatives (such as Shift2Rail) with the aim to align, complement and lead the industry towards productization and industrialization of telecommunication specifications and demonstrations.**
- **UNITEL has taken over the engagements of the Railway Operational Communication Industry Group (ROC IG) formerly known as GSM-R IG.**

# UNITEL engagements & involvement

UNISIG



Working Groups  
CCS, CG  
EECT, CCSA  
Radio Coord



UNITEL  
Committee

FRMCS  
Project

FMS  
TOBA



CEPT ECC  
FM56, PT1, ..



## Key success factors from a UNITEL perspective



**ETCS over GPRS rollout, transmission modernization and introducing of IP technology in access and core networks**

**Prioritization of use cases and functional requirements to ensure the TSI publication milestone in 2022 remains feasible**

**Coordinated trial project activities to test and validate the FRMCS specification set (similar to MORANE)**

**Close collaboration between all stakeholders following a systematic approach**  
More pragmatism to achieve tangible progress and accelerate specification work

# Building the bridge to FRMCS

## While ensuring support for GSM-R

