FRMCS Rel-18 Priorities

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FRMCS Rel-18 Priorities

- Rel-18 is key milestone for the Railways, mainly for early deployers of FRMCS in Europe, starting pilots & migration from GSM-R to FRMCS from 2026 onwards

- Rel-18 content should allow such deployment including MC capabilities as described in next slides i.e., Rel-18 product readiness around 2025

FRMCS Rel-18 Priorities

High priorities items for the Railways as part of Rel-18 content (ordered from highest priority – prio 1 – to lowest priority – prior 6):

1. MCAHGC
2. MCOver5GS unicast including C/U-plane split for MCData & MCPTT
3. IRail
4. MC GW UE
5. MCOver5MBS
6. MCOver5GProSe

This priority list concerned only Railways interests.

Focus on stage 2 (FS_)MCAHGC

- High priorities items for the Railways as part of Rel-18 content (no specific order of priority):
  - Ad hoc groups for voice
    - Participants list is determined by MC service server based on criteria including late entries
    - Support of floor control & multi talker control
  - Group emergency alerts to ad hoc groups
  - Combined group emergency alert & ad hoc group for voice
  - Single MC System
  - Interworking with GSM-R

- Use cases are described in stage 1 TR 22.989 e.g., section 6.4 "Railway Emergency Communication"