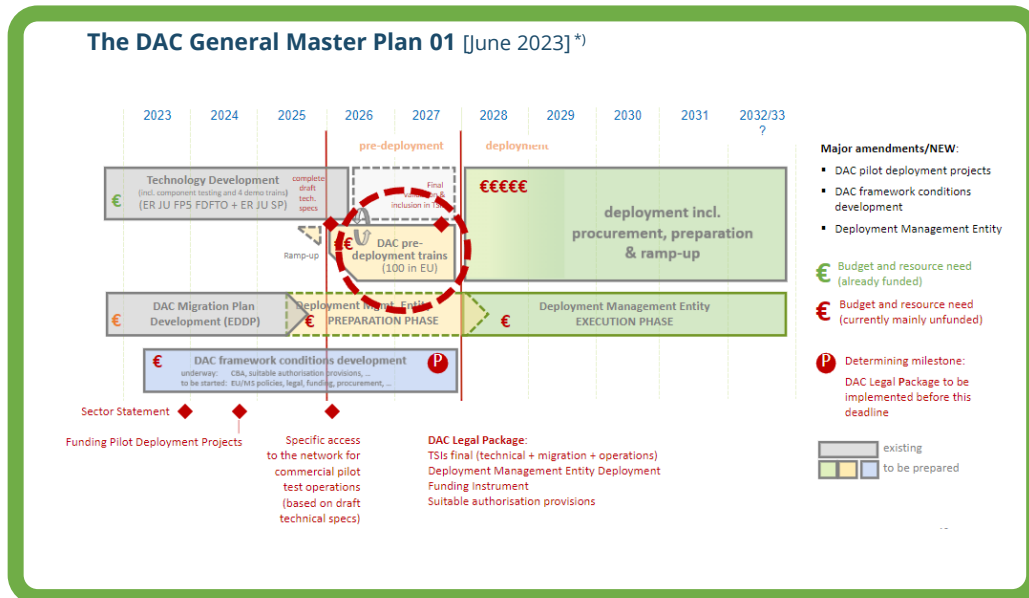
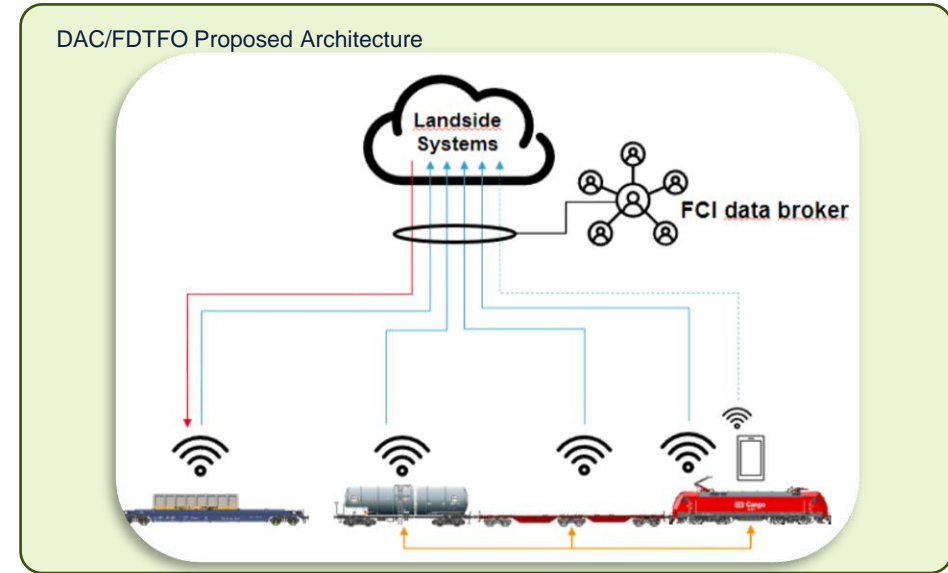


# Task 4: DAC/FDFTO



The Task 4 DAC/FDFTO is responsible to manage all cross-cutting activities related to DAC/FDFTO (e.g., regarding operational procedures, architecture and interfaces embedding the onboard system, developed by FP5, into the overall railway system), to manage the input to the Standardisation and TSI Input Plan (STIP) for DAC/FDFTO and to support FP5 regarding authorization strategy.

Task 4 works in close alignment and cooperation with Innovation Pillar Flagship Project 5 (FP5) and EDDP@EU-Rail, including participation in mediation of conflicts with other Innovation Flagship Areas and SP Tasks.



The Task 4 DAC/FDFTO Team will focus on three priority topics in the coming months:

- Creation of a **standard rulebook** for EU-wide operation of DAC
- A detailed recommendation to FP5 for reaching **safe Train Length and Train Integrity** functions enabled by DAC on Europe's freight trains
- A detailed description and roadmap for the development and implementation of a **FDFTO Central Instance** coordinating and ensuring interoperability for the DAC system

\*) The Master Plan is currently under revision by EDDP@EU-Rail in close cooperation with FP5, SP Task 4 and the Pioneer Train preparation team.

# Task 4: DAC/FDFTO



## Lead STIP Deliverables

- **STIP\_36: FDFTO Train Functions**
- **STIP\_38: Operational standards and RuleBook - 2024**
- **STIP\_47: Central Instance - 2024**
- **STIP\_73: Train interface adaption for integrity handling and train length / overall consist length (from FDFT side) - 2026**

## Deliverables Request for Service (SC2.4) – Year 3 [Oct-24 – Oct-25]

- D01 EU DAC Based Operational Standards (continuing WP2 from SC2.3) - Q3 2025**
- D02 Interfaces to the "outside" world (restarting WP3.1 from SC2.3) – Q2 2025**
- D03 Central Instance for management of Data & Software – Q3 2025**
- D04 Task 4 Collaboration with STIP related topics – Q3 2025**

## Latest Achievements, Challenges and Design Decisions

- **Latest Achievements:** The following achievements have been accomplished by the Task 4 DAC/FDFTO domain :
  - **Working closely with FP5 Train Length and Integrity function:** 1<sup>st</sup> Proposal for second channel, then re-opened
  - **Transversal work with Task 2 :** In order to find the best solution for FCI organisation
- **Domain Current challenges:** The domain is facing the following challenges:
  - **Developing a mature rulebook based on current technology development:** Parts of the rulebook are still missing due to some aspects of the technology not being ripe enough yet.
  - **Reducing the cost of a Train Length and Integrity function solution :** the work going on in Task 4 is aiming at finding the safest and cheapest solution for a Train Length and Integrity second channel
  - **Finding the necessary budget to develop and test a prototype-Central Instance for the Pioneer DAC trains**

## Expected outcomes for sector review in the next 3 months

### •Presentation/dissemination to the wider sector planned in the coming months:

- 12.12.24: System Pillar status at next SIPB.
- 28.11.24: CER/UIC High Level Freight Meeting: FCI concept to be discussed and agreement on the need to fund a prototype.

### • Closeout Phase 2.3

- Document Update and release according the different reviews