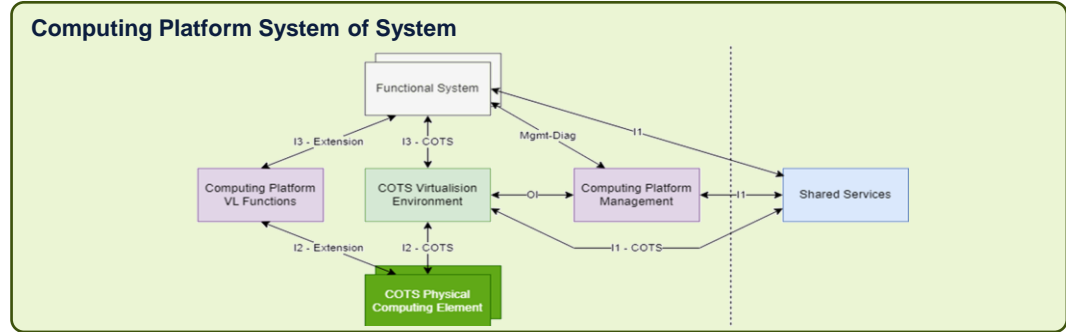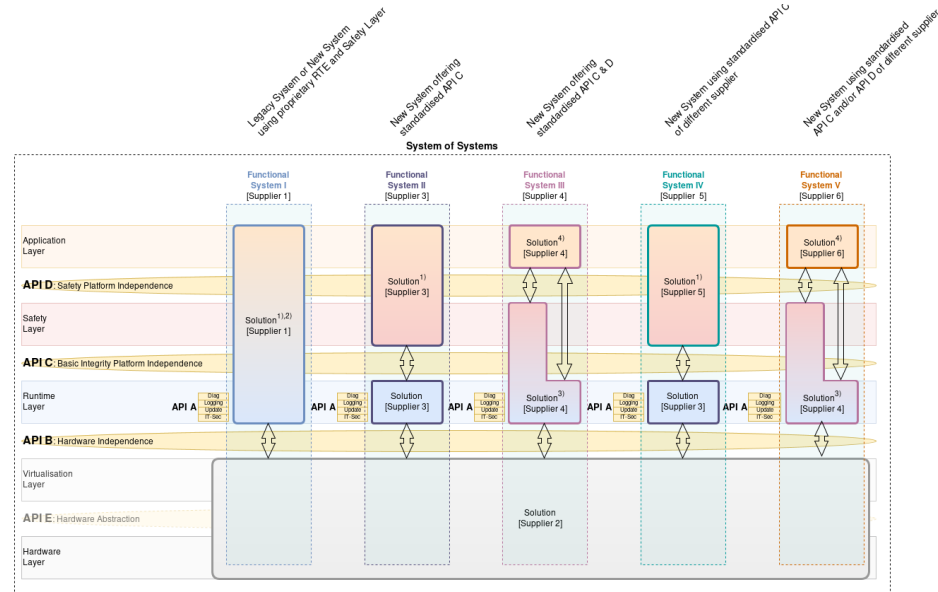# Task 2: Computing Environment

The Task 2 Computing Environment is responsible for finding solutions to simplify software installation, hardware configuration and life-cycle processes such as upgrades, updates, or replacements with different software products. These solutions can include standardized API(s) related to the runtime environment and/or hardware on which CCS applications are hosted.

Hence, the next steps for this domain is to deliver based on the decided "Recommendation on Interfaces to be standardized" the specifications for the interfaces I2/3, as well as I1 through contribution to the TCCS Domain specifications for diagnostic and configuration management specific to Computing Environment.

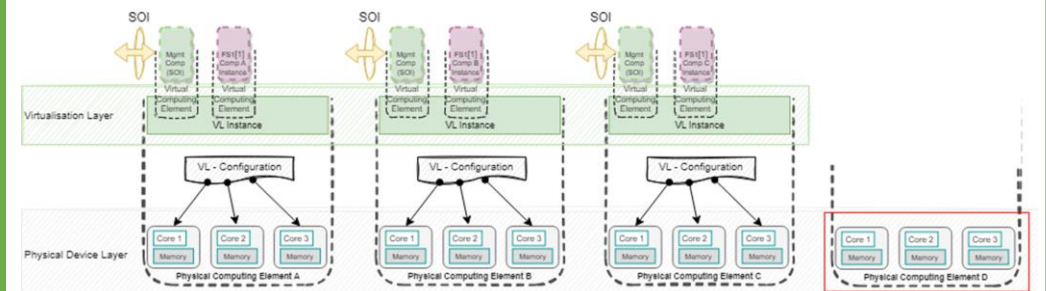### Communication between Systems (standardized communication interfaces SCI*)

Computing Platform System of System

The Task 2 Computing Environment Team will focus on developing the following new functions and technical enablers for the **"Harmonized European Rail Operation" migration plateau**:

- Harmonized "command " interface SCI-CMD between TPS and EAL

- All other interfaces of the System Pillar Target Architecture, which are perhaps agreed and published at this time, can be used for optional implementations

- ERA interaction and Ontology support.

Proposal to prepare additional Physical Computing Element

Task 2: Computing Environment

Lead STIP Deliverables

- **STIP_4: Standardisation of Computing Environment -** tbd

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

D01   **Computing Environment System capabilities and functions – System Analysis (FRS CONEMP, Functional Requirement specification) -** June 2025

D02   **Specification of concrete APIs in the context of Computing Environments -** Sept 2025

Latest Achievements, Challenges and Design Decisions *(to be filled periodically by the domain)*

- **Latest Achievements:** The following achievements have been accomplished by the Computing Environment domain:
  - **Achievement #1:** System Concept and Operational analysis for CE is submitted for inter SP domains approval

- **Domain Current challenges:** The domain is facing the following challenges:
  - **Challenge #1:** Major changes in the team including new supplier lead
- **Design Decisions:** The domain has made the following design decisions that impact the Overall Model:
  - **Decision: :** description

Expected outcomes for sector review in the next 3 months

- **Closeout Phase 2.3**
  - System Concept and Operational Analysis