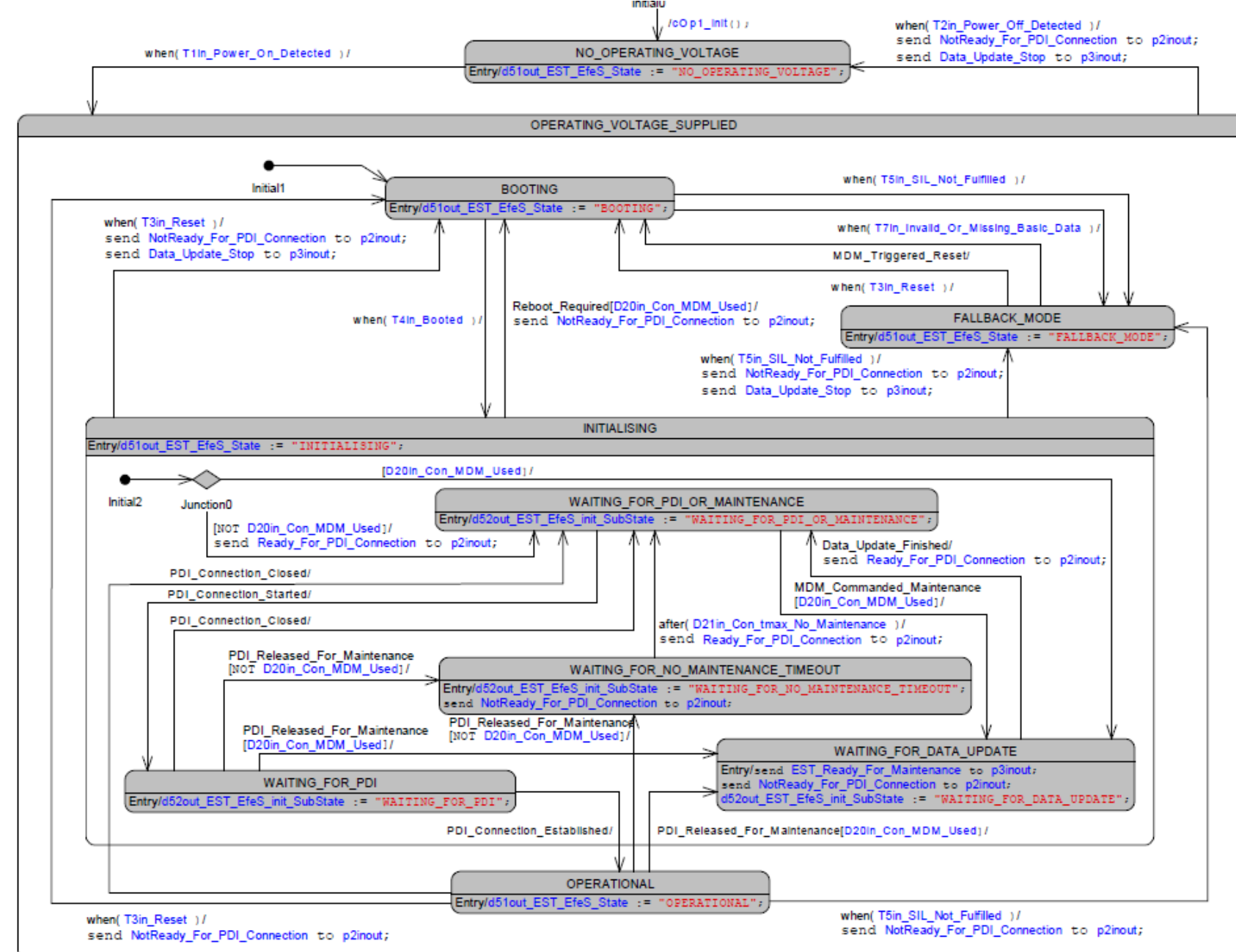


Task 2: Trackside Assets CS

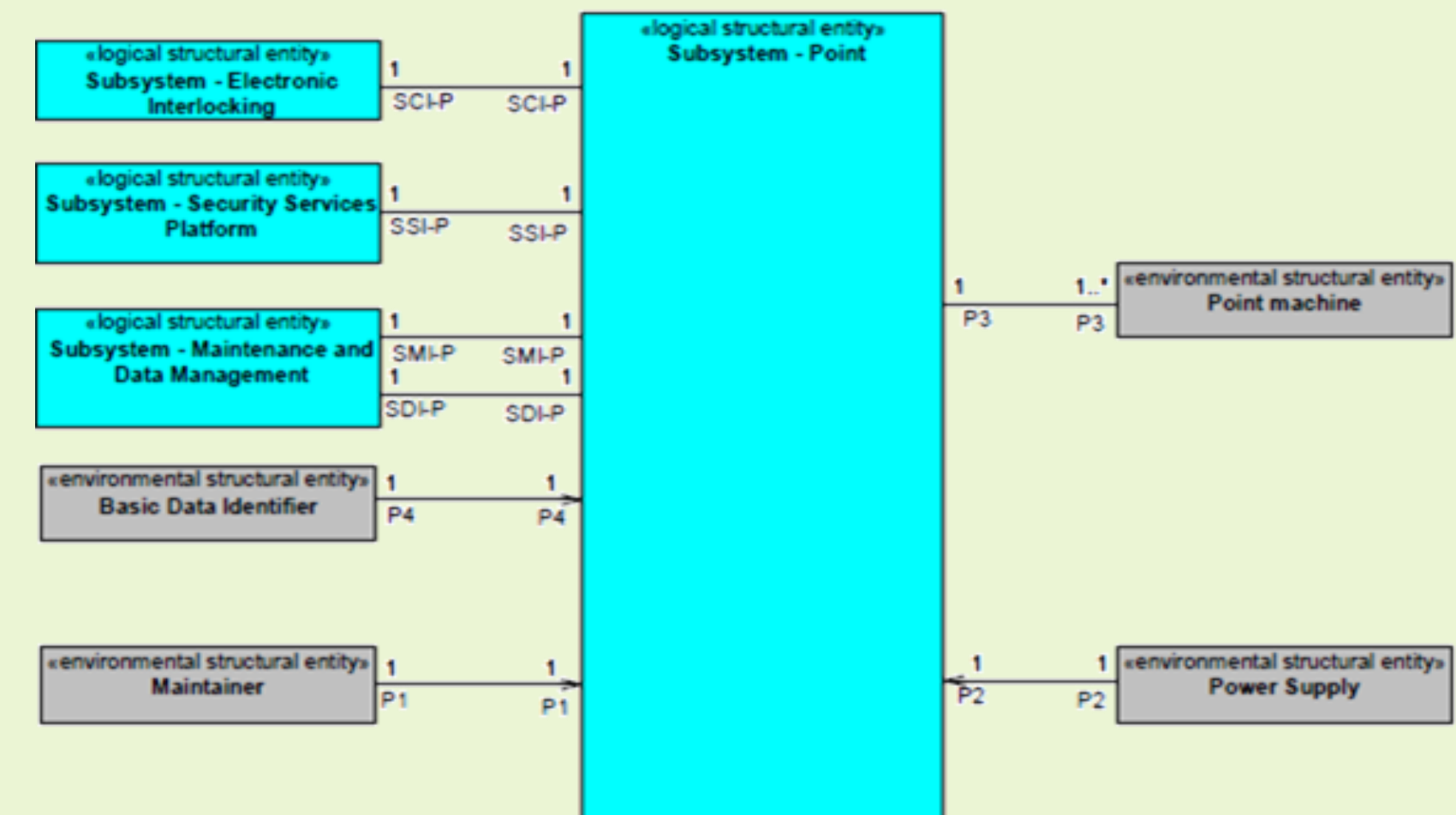
The Trackside CS domain is responsible for the specification of the sub systems controlling the trackside objects like points, track vacancy detection, level crossings and others. With this a unified interface between the Traffic CS system and the object controller ensures the interchangeability between both components.

After the update of specifications in June 2024 (BL4 Release 3), the work in this period should focus on the remaining topics for a final stable release of the specification for Trackside Assets.

Field element - functional Viewpoint - Subsystem Requirements - Functional Entity



Subsystem - Point - Logical Context



The Task 2 Trackside Assets CS Team will focus on developing the following new functions and technical enablers for the **“Harmonized European Rail Operation”** migration plateau:

- EULYNX interfaces and subsystem specifications for the trackside object controllers and multi-element controllers
- Diagnostic, maintenance and security interfaces for trackside assets
- All other interfaces of the System Pillar Target Architecture, which are agreed and published at this time, can be used for optional implementations

Task 2: TACS

Mirko Blazic (*EUG/EULYNX*) – Railway Lead

Malik Benameur (*Siemens*) – Supplier Lead

Lead STIP Deliverables

- STIP_85: Req. Spec. and SCI Interf. Spec. for subsyst. Light Signal -2024
- STIP_86: Req. Spec. and SCI Interf. Spec. for subsyst. Point - 2024
- STIP_87: Req. Spec. and SCI Interf. Spec. for subsyst. Generic IO - 2024
- STIP_88: Req. Spec. and SCI Interf. Spec. for subsyst. TDS - 2024
- STIP_89: Req. Spec. and SCI Interf. Spec. for subsyst. LC- 2024
- STIP_90: Interf. Spec. SDI-LS - 2024
- STIP_91: Interf. Spec. SDI-P - 2024
- STIP_92: Interf. Spec. SDI-IO - 2024
- STIP_93: Interf. Spec. SDI-TDS - 2024

Lead STIP Deliverables

- STIP_94: Interf. Spec. SDI-LC - 2024
- STIP_95: Spec. of Standardized Diagnostics Interface (TACS): Interface definition and specification SDI Generic - 2024
- STIP_96: Spec. of Standardized Maintenance Interface (TACS): Interface definition and specification and subsyst. req. for SMI - 2024
- STIP_97: Spec.of Maintenance and data management (TACS) - 2024
- STIP_98: Specification of Point of Service-Signalling - 2024
- STIP_99: Interface Def., Spec. and subsyst. req. for SCI Generic - 2024
- STIP_100: Generic interface and subsyst. req. - 2024

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

D01 Finalize TACS specification - Q3 2025

D02 Interface to field devices – done

D03 Power supply – done

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

- **Latest Achievements:** The following achievements have been accomplished by the TACS domain:
 - **Achievement #1:** Publication TACS/EULYNX BL4 Release 3 June 2024
 - **Achievement #2:** Completion of deliverables
D02 Analysis of Standardisation Potential for Interfaces to Field Devices
D03 Analysis of Power Supply and Power Management of Trackside Assets
 - **Achievement #3:** Completion of BL4 Release 4
BL4 Release 4 endorsement by TACS/TCCS Mirror Group
Ready for publication end of June 2025

Expected outcomes for sector review in the next 3 months

• Decision proposals

- STG endorsement for publication BL4 Release 4