

TCMS Application Software Development

OVERVIEW

Development of Application Software for TCMS | EN50128 | Rail OEM
Door Control Unit, Passenger Information and Entertainment ,Passenger Crew and Comfort

SCOPE

System Requirement Specification(SyRS)

- System Requirement Specification is the document of description of the functions with interface signals mentioned. SyRS is maintained in DNG.

Software Requirement Specification(SRS)

- Derived from the SyRS. User Interface level, Train level, consist level and element level are considered while deriving SRS.SRS is maintained in DNG.

Software Architecture Specification

- Derived from SyRs and SRS. Provides a comprehensive architectural overview of the system.

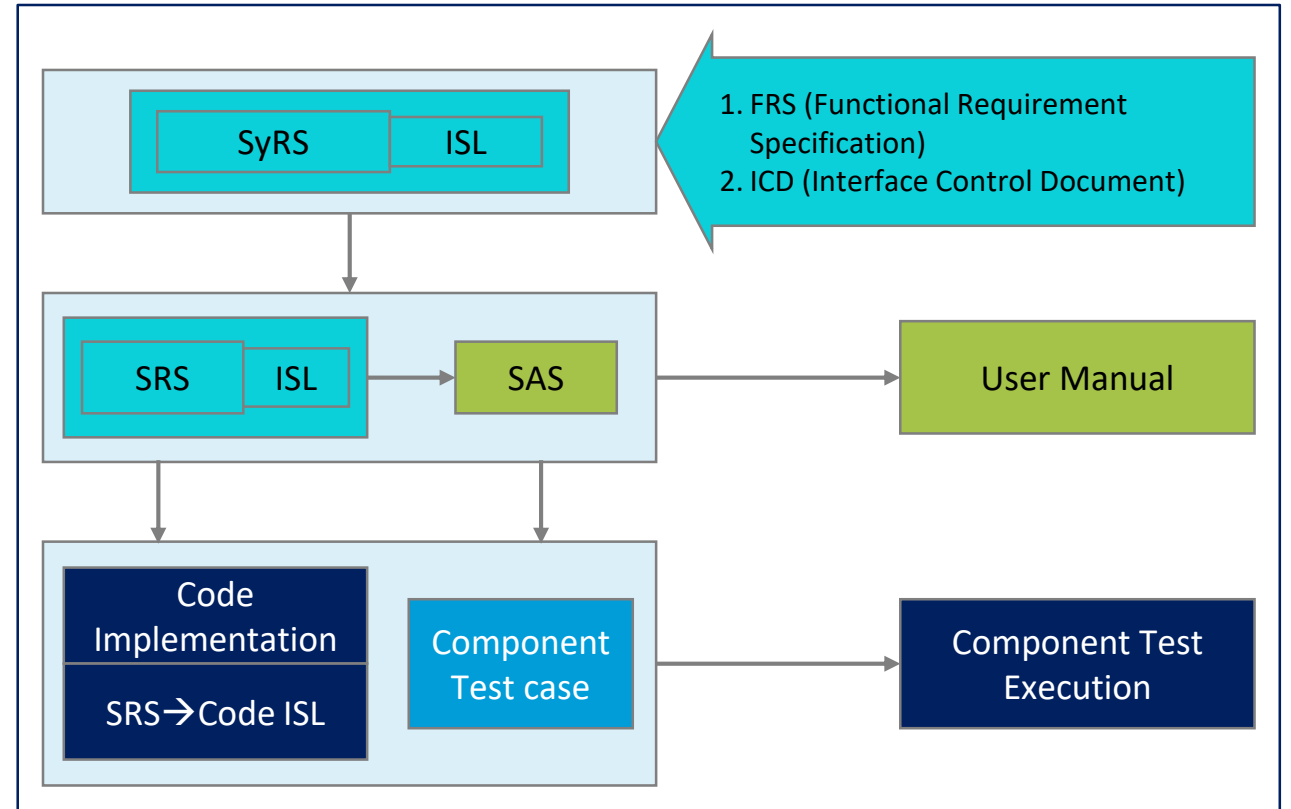
Model Development

- Model implemented in customer proprietary tool (IEC -61131) and stored in RTC.

Component Testing

- Component Test cases creation against SRS
- Test execution for each module
- Test cases are maintained in RQM.

■ DNG ■ SharePoint ■ Customer Proprietary Tools ■ RQM



TOOLS

- IBM ALM Tools (DNG, RTC, RQM)
- Customer proprietary Modelling Tool (IEC - 61131)
- Customer proprietary simulation tool
- Customer proprietary testing tool