

**A Method to Verify Conceptual Design Specifications on Safety Requirements for
Train Control Systems**

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High levels of safety are required for train control systems. It is important to apply all required safety measures to the train control systems without any omissions. As recent train control systems require much more functions than before, it is necessary to divide the design phase into the conceptual design phase and the detailed design one, in order to avoid the complexity of systems design. In this paper, we propose the format of safety requirements, which are to be used as a guideline for system design positioned between “safety guidelines for computerized train control and protection systems” and detailed design examples, and a method to verify the specifications of the system requirement phase with this format.