

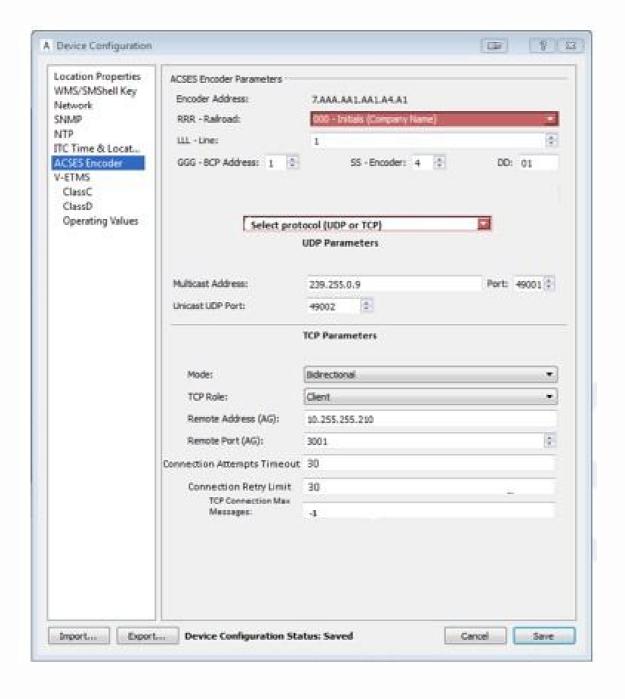
FLAWLESS COMMUNICATION FOR CAB SIGNALING SYSTEM

Datasheet



Project objective

Modernize cab-to-wayside communication technology by enabling message transmission across all system components via the TCP protocol. The upgraded system would ensure full compliance with PTC standards and FRA requirements.





Result

The enhanced cab-to-wayside communication service provides instant and error-free data transfer using TCP protocol. This allows train crews to receive instant alerts on speed restrictions and enabling automatic penalty stops. The upgraded signaling system fully meets the definition of a PTC system.

Scope of work

- Modifications to message structure and attributes
- Updates to WIU application builder and UI for TCP command execution
- Enhancements to WIU web interface: web pages, schema, and parameter handling for remote control
- OPU firmware updates, including vital code and event log improvements

Activities

- Requirement clarification
- Software updates
- Firmware updates
- Testing & Bug fixing



About the project

Technologies

- ♦ C++
- Eclipse
- SVN







Project size

- 2 Software Engineers
- 2 QA Engineers

Duration



Platform

Linux