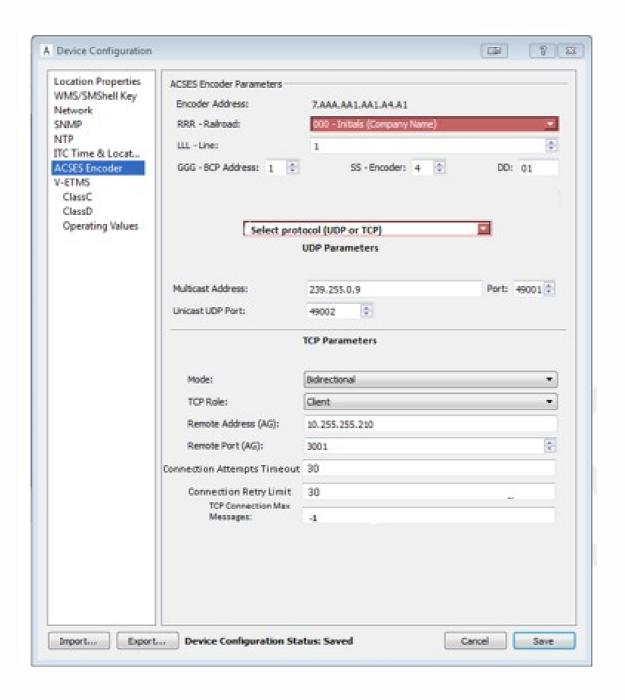# FLAWLESS COMMUNICATIONS FOR CAB SIGNALING SYSTEM

Datasheet

Project objective

Advance the communication technology for a cab signaling system by providing ability of message transmitting over all the units involved via TCP protocol. The upgraded system would ensure full compliance with PTC standards and FRA requirements.

Result

The enhanced messaging service for the cab signaling system provides instant and effor-free data transfer using TCP protocol. This allow train crews to be instantly informed on speed restrictions, and for penalty train stop if overspeeding. The upgraded cab signaling system fully meets the definition of a PTC system.

Scope of work

- Updating the WIU Application builder, including UI and parameters handling updates
- Updating the WIU web interface, including web pages, schemas, and parameters handling updates for remote control
- Changes to messaging atritute and message definition
- Adjustments CPU firmware, including vital code, as well as event logs

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

4 months

Platform

- Linux