

CAN-based body builder networks for commercial vehicles

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The paper presents the different CAN-based solutions for body builder networks on the example of truck-mounted cranes and other applications provided by Palfinger. It explains also the need of standardized CAN interfaces to the IoT world (telematic gateway unit), to fleet management systems (FMS), and in-vehicle networks (IGU). Additionally, the paper discusses future functionality such as a secondary user interface for body applications located in the driver cabin, for example. The desired (e)PTO (power take-off) management, when implementing several body applications on one vehicle is addressed, too.

The paper presents the current already published standards (DIN 4630, DIN 14704, etc.) as well as the needed improvements to meet the requirements of future body applications on trucks and trailers. Because some body builders use J1939-based higher-layer protocols and others prefer CANopen, both application layers are supported in DIN 4630.

No full paper submitted