CAN Newsletter Online

CANOPEN PROFILES

SIG subsea and SIG truck gateway awaked

CAN in Automation (CiA) reviews periodically its profile specifications. In order to review pending comments and to discuss new functional requests, two special interest groups (SIG) have been re-established.

CiA profile specifications enable the development of interoperable CANopen products (Source: Adobe Stock)

The SIG subsea has been re-opened. New elected chairperson is Harald Schuhmacher (Onesubsea). The SIG has reviewed all pending comments and has asked CiA office to implement them in the next version of the CiA 443 CANopen subsea profile specification. Additionally, the SIG is going to extend the profile functionality. Under consideration are battery management and electrical motors. Next SIG meeting is in April.

CiA 443 profile specifies CANopen interfaces of subsea sensors and subsea actuators (Source: Onesubsea)

The CiA 413 profile series standardizes the interface to in-truck networks for cranes and other body applications (Source: Iveco)

The SIG truck gateway has been re-established, too. It reviews the CiA 413 series. Besides updating the referenced ISO 11992-2/3 suspect parameters (also known as process data), new suspect parameters specified in DIN 4630 (body builder network) and DIN 14704-2 (gateway for fire-fighting trucks) as well as the FMS (fleet management system) specification will be referenced. Iveco supplies truck gateways for body builders, which comply with the CiA 413 profile specifications. Companies such as ifm electronic provide also CiA 413 implementations in their programmable controllers for truck/trailer body builders. Next SIG meeting is in February.

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