Facts & Figures

1,47 billion

Fior Markets has published a market research report about automotive data-loggers. This market is expected to grow from US-$ 4,48 billion in 2017 to US-$ 8,69 billion in 2025. Data-loggers with Classical CAN and CAN FD connectivity held the largest market share and valued at US-$ 1,47 billion in 2017.

5 papers

CiA engineers present papers at the Embedded World conference:

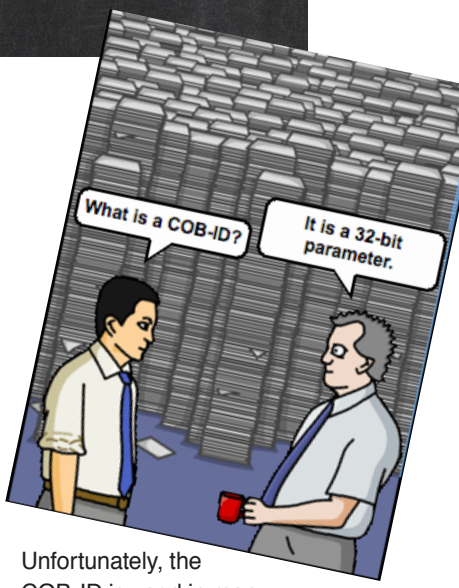
- Oskar Kaplun: Condition Monitoring and Embedding CANopen in IoT
- Yao Yao: CANopen FD Devices Identification via New Layer Setting Services (LSS)
- Reiner Zitzmann: Migration from Classical CAN to CAN FD

ISO 11992

Part 2 and part 3 of this ISO standard series specify the J1939-based communication between towing and towed heavy-duty vehicles. Currently, the two standards are under systematic review.
Part 3 has been sub-mitted for balloting. It introduces 21 parameter groups cont-aining object detection information. For part 2, Wabco, recently acquired by ZF, has proposed several new suspect parameters for trailer e-drives. In Europe, ISO 11999-2 is mandated by the legislation for truck and trailer communication.

COB-ID

The COB-ID is a CANopen communication parameter. It is a 32-bit value containing the 11-bit or 29-bit CAN-ID plus three control/status bits. One of these control/status bits is used to indicate the length of the CAN-ID. Another bit is used to enable or disable the corresponding CANopen service, the TPDO 1, for example.



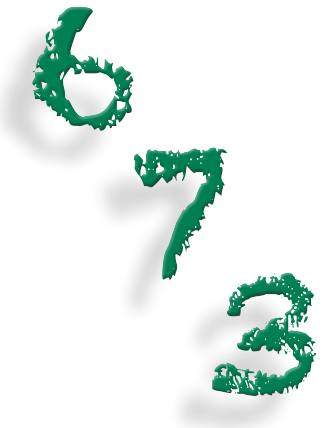
Unfortunately, the COB-ID is used in many documents as synonym for CAN-ID.

The international CAN Conference takes place in Baden-Baden (Germany) on March 17 and 18, 2020. One of the topics is the introduction of CAN XL, the third CAN data link layer generation.

Recently, version 2.1.1 of the technical specification for remote FMS (rFMS) has been published. The document developed under the umbrella of the ACEA association is ready for download.

This remote fleet management system communication specification is based on the SAE J1939 application layer and profile. There is a separate registration (no fee) required, to get access to the download areas.

The CiA international users' and manufacturers' group has 673 members (date: 2020-02-15). Most of the members are located in Germany. The nonprofit association has been established in March 1992. The next general assembly electing annually the board of directors takes place on March 16, 2020.



Embedded World 2020

At the trade show in Nuremberg (Germany) some 1 150 exhibitors present their products to about 30 000 visitors, forecasts the organizer.

Traditionally, many CiA (CAN in Automation) members are among the exhibitors as well as the CiA nonprofit association.