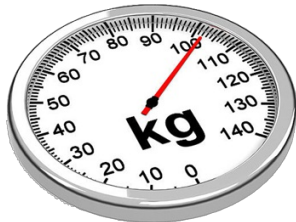


Encoder and weighing device profiles updated

CiA has released new versions of the CANopen profiles CiA 406 and CiA 461. Members can download them free-of-charge.

Version 4.1 of the CiA 406 CANopen encoder profile has been released. The updated specification provides improvements regarding the CRC polynomial for CANopen Safety applications.

Additionally, some parameters for functional safety have been introduced. The Annex C provides examples for CANopen Safety configuration handling.



The CiA 461 series has been completed and includes now profile specifications for scales and HMI as well as indicators (Source: Adobe Stock)

The CiA 461 series specifies the CANopen interfaces of weighing devices. Part 1 (PDO specification) and part 2 (load cells) originally published in 2015 have been updated marginally. Just a few minor changes have been introduced. More important is the completion of the profile series. Part 3 specifies the CANopen interface for scales. This includes the process data and the mapping into PDOs as well as configuration parameters. Part 4 provides the device profile for weighing displays and indicators. It specifies the process data and configuration parameters. Additionally, it describes the PDO communication and mapping parameters.



The reviewed CiA 406 encoder profile includes examples for the CANopen Safety configuration handling (Source: Adobe Stock)

[hz](#)