// Online EtherCAT Training //

Date: May 20+21, 2026
(as preparation for the ETG Semi TWG meeting #29)

Scope: EtherCAT Technology basics and EtherCAT details related to the Semi TWG

An additional two-day Online EtherCAT Training is offered on the two consecutive mornings of Wednesday, May 20th, and Thursday, May 21st, 2026, one week before the TWG meeting #27. The training is intended for people who are new to the EtherCAT implementation and ETG Semi TWG efforts and will discuss questions about specific EtherCAT topics currently addressed by the Technical Working Group. The training will also be useful to those who have attended TWG meetings but have not had the time yet to study the protocols and technology in detail.

Contents of the online training (subject to change)
- EtherCAT processing order and topology
- Physical requirements for EtherCAT SubDevices
- Basics of synchronization
- EtherCAT State Machine (ESM) and start-up behavior
- CoE (CAN application protocol over EtherCAT)
- Object Dictionary structure of an ETG.5003 device
- Relation of Modular Device Profile (MDP) and ESI elements Modules and Slots
- Command Object structure, Explicit Device Identification
- Semiconductor profile tests with Conformance Test Tool (CTT) and Test Record
- What are your topics and questions? Submit them with the registration – see link below.

Time Schedule
Wed, May 20th: 10:00 am – 2:00 pm (CDT) / 8:00 am – 12:00 pm (PDT)
Thu, May 21st: 10:00 am – 2:00 pm (CDT) / 8:00 am – 12:00 pm (PDT)

Location
Online via Microsoft® Teams
Download desktop and mobile app

Details
Organizer: Training is organized by Beckhoff
Charge: $ 216 per student

REGISTER ►
online today!

Registration
The registration is possible until Thursday, May 14th, 2026.
Register here for both events (this training as well as the online ETG Semi TWG meeting).

After online registration, you will be contacted for confirmation and payment processing.