Course description
F334
Dialogue and communication - basic

Course Duration
The duration is 1 day.

Course type
This is a classroom course with activities led by an instructor.

Course Goal
After this course, you will know what features an air circuit breaker ACB or a moulded case circuit breaker MCCB with communication can add to your installation. You will also be able to evaluate the basic requirements related to connection of a circuit breaker to a communication system, and to give indications about which accessories and components are required. This training session can be viewed as a first introduction to communication systems; the more advanced course F335 - Dialogue and communication - advanced is provided as the next step.

Student Profile
The course is intended for technicians, sales engineers and new hired product managers.

Prerequisites and Recommendations
The student must have a basic electro technical knowledge.
The following courses should be completed:
- F330 - Introduction to circuit breakers
- F300e - Tmax circuit breakers
- F310e - Emax circuit breakers
- F332 - Electronic releases

Main Topics
- Introduction to communication systems
  - communication protocols,
  - Fieldbus systems and serial protocol
  - Modbus communication systems
- Application of communication to low voltage protection devices
  - what a circuit breaker with communication can do
  - supervision and automation application in power distribution
  - the range of ABB SACE electronic devices with communication
  - circuit breakers with communication
  - required accessories
  - other communicating products
  - communication software
- Hands-on session
  - practical demonstration of ABCs and MCCBs with communication

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