

Software DOC pills

Webinar duration

The duration is 1 hour.

Course type

This is a webinar by an instructor.

Course goal

To increase the knowledge about specific functions and commands of DOC, in order to be able to easily design both low voltage and medium voltage networks.

Student profile

The webinar is intended for ABB employees (technicians, sales engineers and product managers) who already use DOC.

Prerequisites and recommendations

The student must have knowledge of electrical design.

The following courses should be completed:

- F300e - Tmax circuit breakers
- F310e - Emax circuit breakers
- F345e - ABB Software Desktop

Main topics

- Curves module: verification of protection, relations of devices and cables, visualization of $I_{cc\ max}$ and $I_{cc\ min}$, energy curves, settings of parameters
- Selection of a motor feeder
- Use of demand factor on busbar and difference with demand factor of loads
- Derating of thermomagnetic breakers
- Use of multimeter
- Power factor correction: use of capacitor bank, evaluation of reactive power needed
- Automatic management of not balanced loads
- Use of generic impedance
- Use of UPS
- MV devices selection
- MV/LV transformer
- MV/LV coordination study with curves modules

