Course Duration
1.5 hours, depending on personnel knowledge.

Course type
This course includes self-study material.
The language of the course is English.

Course Goal
The goal of this course is to understand the Multitap applications of the DCT880 thyristor power controller.

The training covers the following topics:
- Multitap single phase, primary and secondary controlled
  - Fundamentals recap
  - Overview multitap configurations
  - Signal measurements of multitap
  - Circuit diagrams
  - Multitap control principles
  - Commissioning
- Multitap three phase configurations
  - Control structure of three phase Multitap
  - Hardware setup of D2D communication
  - Commissioning of D2D link

Main Topics
Multitap configurations
Signal measurement
Control principles
Commissioning of a Multitap with DCT880

Preparation e-Learning courses
E-learning course G585e - DCT880 Basics, G586e - DCT880 Hardware T1 – T4 and G587e - DCT880 Firmware to attending this course is needed

Prerequisites and Recommendations
The student should have:
- Basic knowledge about electrical wiring
- Basic knowledge of drives or power controller engineering
- Physical understanding for electric heating application

Course Objectives
Upon completion of this course, students will be able to:
- Know all Multitap configurations
- Know the signal measurement of the DCT880
- Know the control principles of the DCT880
- Commission a Multitap application with the DCT880

Student Profile
Product engineers and engineering people who are planning, installing and servicing the DCT880 thyristor power controller.

www.abb.com
www.abb.com/abbuniversity
ABB Automation Products GmbH
Motors and Drives
Wallstadter Straße 59
D-68526 Ladenburg
Germany
dc-drives@de.abb.com
www.abb.com/drives