

SERVICE OF MV, LV TECHNOLOGIES

Training course CZ028

REF54_ in UniGear ZS1 switchgears

**Goal:**

The goal of the program is learning REF 54_ operation, setting and configuration in UniGear ZS1 switchgear.

Participant profile

The goal of the program is learning REF 542plus operation, setting and configuration in UniGear ZS1 switchgear.

Prerequisites and Recommendations

The course is built for beginners in the UniGear ZS1 switchgear maintenance, operation and servicing, technicians as well as maintenance engineers. Students shall have a basic knowledge of electrical switchgears and protection relays.

Learning Objectives

Upon completion students will be able to:

- operate and set REF 54_ via HMI
- operate, set and configure REF 542plus via configuration tool

Modules

The course is composed of following modules:

CZ002 - Operation and setting of REF 54_ in UniGear ZS1 switchgear
CZ006 - Programming of REF 54_ in UniGear ZS1 switchgear

Course duration

2 days

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Training module CZ002

Operation and setting of REF 54_ in UniGear ZS1 switchgear



Goal:

The course is aimed at learning REF 54_ relay operation and setting via HMI in UniGear ZS1 switchgear.

Participant profile

Service engineers, operation and maintenance personnel are the target audience for this training.

Prerequisites and Recommendations

The course is built for beginners in the primary air insulated switchgears operation and maintenance. Students shall have a basic knowledge of electrical switchgears and protection relays.

Learning Objectives

Upon completion students will be able to:

- understand the basics of hardware of REF 54_
- recognize the option/variant of REF 54_ suitable for particular application
- understand the operation of REF 54_
- operate the circuit breaker via REF 54_
- do the setting of REF 54_ via HMI

Main Topics

The course contains following topics

- REF 54_ introduction, hardware
- HMI operation of REF 54_
- setting the parameters of REF 54_ via HMI

Module Duration

1 day

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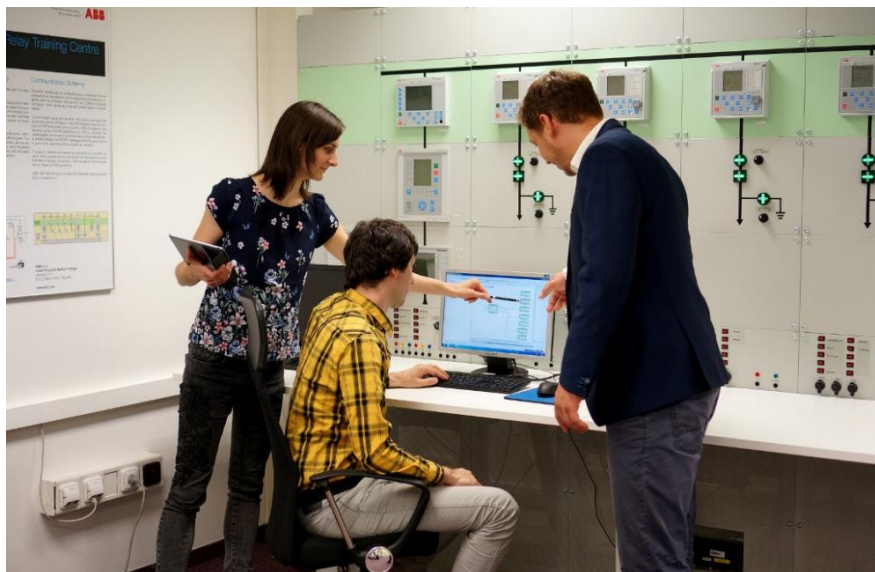
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SERVICE OF MV, LV TECHNOLOGIES

Training module CZ006

Programming of REF 54_ in UniGear ZS1 switchgear

**Goal:**

The aim of the course is to learn REF 54_ relay operation, setting and configuration in UniGear ZS1 switchgear.

Participant profile

The training is targeted to service engineers, testing and maintenance personnel, external consultants and electrical engineers.

Prerequisites and Recommendations

The course is set up for personnel with basic experience in REF 54_ operation in UniGear ZS1 switchgear. Students shall know the REF 54_ feeder terminal human machine interface.

Learning Objectives

Upon completion students will be able to:

- understand the operation and setting of REF 54_ using configuration tool
- understand the configuration of REF 54_ in UniGear ZS1 application

Main Topics

The course contains following topics

- REF 54_ configuration tool introduction
- setting of REF 54_ via Configuration tool
- reading the configuration of REF 54_
- working online and testing the configuration of REF 54_

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Module Duration

1 day

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