

Controlled switching training agenda - Level 2

Level 2 - Supervised commissioning representative

PREPARED		STATUS		SECURITY LEVEL		
2023-11-21	Patrik Lindfors-Dahlin	Approved		Internal		
APPROVED		DOCUMENT KIND				
2023-11-28	Hakan Enback	Agenda				
TITLE						
Controlled switching training agenda - Level 2						
OWNING ORGANIZATION		DOCUMENT ID		REV.	LANG.	PAGE
SE-Ludvika-2657-Field Service		2GHE155636		A	en	1/4
©Hitachi Energy Sweden AB				© 2023 Hitachi Energy. All rights reserved.		

Course goal:

This training aims to engineers that will perform installation, pre-commissioning & supervised commissioning of Controlled switching systems on site or Controlled switching system designers.

The participant will on training completion have fundamental knowledge of Controlled switching, benefits of use, long term performance and install/wiring Controlled switching systems as well as parametrize, pre-commissioning, troubleshooting and by supervision, commissioning various Controlled switching systems (applications).

This is a theoretical training course:

Available remote or classroom training

On training completion:

Confirmation of attendance for respective training

Certification:

Follows the Hitachi Energy guidelines for certification according to respective certification policy.

Duration:

1 day

Prerequisites:

- ❖ Complete HE HSE fundamental training.

Topics:

- ❖ Health & safety
- ❖ Introduction & key factors
- ❖ Application & target definition
- ❖ Supervision
- ❖ Installation & pre-commissioning
- ❖ Commissioning
- ❖ Q&A

Day	Subject	Location
1	Welcome / Introduction to Controlled switching <ul style="list-style-type: none"> ❖ Training Introduction / Presentation (Short introduction of the presenter, attendees, the curriculum and training information) ❖ Safety Induction (The participant should be acquainted and understand local and site-specific rules & legislation and comply with them). ❖ Controlled switching introduction & key factors Health and safety <ul style="list-style-type: none"> ❖ Local safety and legislations ❖ The participant should be acquainted and understand local and site-specific rules & legislation and comply with them. ❖ Hitachi Energy product specific HSE. Application & target definition <ul style="list-style-type: none"> ❖ Common applications ❖ Use-cases for Controlled switching ❖ Target definition for different load types Supervision <ul style="list-style-type: none"> ❖ Tools & communication ❖ Documentation ❖ Risk assessment & reporting Installation & pre-commissioning <ul style="list-style-type: none"> ❖ HV/LV System design & layout ❖ IED Installation on-site ❖ Installation checks ❖ Configuration software & parametrization of Controlled switching device/s ❖ Pre-commissioning including off-load operations 	Online/classroom

1 Commissioning

- ❖ Commissioning procedure and supervision during commissioning
-

Day Review

Q and A session
