PASS_MD_1.4-L2-Training Agenda

PASS PSC- Technical Training

PREPARED BY	STATUS	SECURITY LEVEL		
Davide Rossato	Approved	Internal		
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Diego Gaggero	2023-06-08			
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Hitachi Energy

Course goal:

This training entitles the person to work on customer sites on the specific product which belongs to the PASS Family that they were trained on and to be able to conduct first response activities, light troubleshooting and minor repairs, routine maintenance, and inspections.

Main learning objectives:

- Profound knowledge about the Major PASS components and its operation.
- Fundamentals of High Voltage electrical substation
- Awareness about the Health and Safety on site
- Theoretical and Practical knowledge for SF6 Gas handling and for working on the Drive mechanism of Circuit Breaker and Disconnector
- Basic knowledge regarding the Remote services

Prerequisites:

- Familiar in electrical and mechanical subjects and knowledge of HV technology
- HSE (Health Safety and Environment) and PICW (Person In charge of work) training Done
- Good English skills (written and spoken)

Topics:

- Training and Certification Process
- Hybrid PASS Portfolio
- Hybrid PASS Major components
- Electrical High Voltage Substation
- Health and Safety on site
- Working on PASS in a live substation
- SF_6 Handling
- Remote Assist

This is a theoretical and Practical training course.

Certification:

This is a certification course. A certificate will be issued after successful completion of the examination which will be conducted by the Training Center.

Duration:

5 days

Enrolments:

FSE's can fill the details in the form given in the below link for enrolment

https://forms.office.com/Pages/ResponsePage.aspx?id=2eYxeGzc0Uyexh3CtBMxlepgS_A8TdVFjOFVnAowntUMFJHWEpJSEJOODVOTExCVjhDM1dWRkNQNS4u

And send your request to

it-training-psc_lodi@hitachienergy.com

Day	Subject	Location
1	**Training and Certification process presentation** • Introduction to Basic Trainings • Certification Concept • Different levels of Certification • Certification Process **Hybrid PASS Portfolio presentation** • Introduction to Hybrid high voltage switchgear • Product Description • PASS Types and Families • Additional Features • Commitment **Hybrid PASS Major components** • Bushings • Current Transformer • Voltage Transformer • Circuit Breakers • Disconnectors **Factory Visit**	Lodi Factory
2	**Electrical High Voltage Substation** • Introduction and Basics • Uses • Equipment In substation • Protection and Control • Configurations **Health And Safety On-site** • General Awareness • Safety Inspection Checklist • Safety Rules to be followed **Working on PASS in a Live substation** • Guideline for a Safe job • Documents to provide after site activity	Lodi Factory

Day	Subject	Location
3	**Circuit Breaker (CB) and Relevant drive mechanism** • Theoretical Functionality Description of CB and relevant Drive Mechanism • Theoretical Explanation of setting the CB and relevant Drive mechanism **Disconnectors (DS) and Relevant Drive Mechanism** • Theoretical Functionality Description of DS and relevant Drive Mechanism • Theoretical Explanation of steps for setting the DS and relevant Drive mechanism **Circuit Breaker (CB) and Relevant drive mechanism** • Practical Functionality Demonstration of CB and relevant Drive Mechanism • Practical Demonstration for setting the CB and relevant Drive mechanism **Disconnectors (DS) and Relevant Drive Mechanism** • Demonstration of functionality of DS and relevant Drive Mechanism • Demonstration of steps for setting the DS and relevant Drive mechanism	Lodi Factory
4	**SF_6 Gas handling** • Characteristics of SF6 • SF6 Health & Safety aspects • Rupture Disc – Theoretical & Practical Part • Gas Compartment treatment – Theoretical & Practical Part **Remote Services** • Remote Assist • Remote Monitoring (basic information)	Lodi Factory
5	**Exam** • First Level of Assistance on site **Training Conclusion** • Sharing the Confirmation of Attendance • Issuing certificates to those participants who successfully completed the test	Lodi Factory