

Overhaul & Repairs Training Level 4

LTA & LTB E2 with MSD 1&MSD2 - Training Agenda

PREPARED BY	STATUS	SECURITY LEVEL				
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APPROVED BY	APPROVAL DATE					
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OWNER	DOCUMENT KIND					
Head of Training Function	Agenda					
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Course goal:

This training aims at how to perform LTB Overhaul, LTB balancing, advance troubleshooting and advance repairs.

Main learning objectives:

- Understand the functions of LTB CB'S.
- Perform advanced troubleshooting and advanced repairs.
- Perform LTB Balancing and complete overhaul.
- Perform overhaul of LTB CB's

Prerequisites:

❖ Level 3 certification

Topics:

- Introduction
- Health & Safety
- Product description & functionality
- Overhaul & gas handling
- Circuit diagram & connection points
- LTB balancing
- LTB balancing & advanced troubleshooting

Assembly steps and procedures:

- LTB Di-assembly
- LTB Overhaul
- LTB Balancing & Advanced troubleshooting
- Advanced repairs

This is a theoretical and practical training course.

LTA & LTB E2 with MSD 1&MSD2

Certification:

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

Confirmation of attendance will be issued on training completion.

Duration:

5 days

Enrolments:

Send your request to

se-Itb-Training@hitachienergy.com

LTA & LTB E2 with MSD1 & MSD2

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Day	Subject	Location
1	 Welcome / Introduction to Hitachi Energy LTB Product Portfolio ❖ Training Introduction / Presentation (Short introduction of the presenter, attendees, the curriculum, training, and specific circuit breaker type). ❖ Safety Induction (The participant should be acquainted and understand local and site-specific rules & legislation and comply with them). ❖ Certification Process. ❖ Hitachi Energy Sweden LTB Product Portfolio. Maintenance & Overhaul ❖ How to perform maintenance category B & C/D (Overhaul) (Best practice) ❖ LTB balancing & advanced troubleshooting. 	Classroom
2	Advance repairs → How to perform advanced repairs for the Circuit breaker & Operating mechanism → LTB Di-assembly	Classroom / Training center
3	SF6 Handling & Environmental aspects ❖ SF6-Gas handling and the impact of the greenhouse effect. ❖ LTB Overhaul	Classroom
4	How to read and understand Circuit diagram/s ❖ Circuit diagram reading & Troubleshooting ❖ LTB Balancing & Advanced troubleshooting	Classroom
5	Testing & Balancing ❖ Introduction for transducer testing, how to adjust speeds, timing overtravel, etc. accordingly to testing standards. ❖ Testing (Maintenance category B) (With transducer) ❖ Testing after overhaul category C/D ❖ Circuit breaker balancing (Transducer & settings) Week Review Q and A session	/ Classroom /Training center

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