

Overhaul & Repairs Training Level 4

LTA & LTB E1/D1 with MSD1 & FSA 1- Training Agenda

PREPARED BY Adriana Rodriguez	STATUS Approved	SECURITY LEVEL Internal		
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OWNER Head of Training Function	DOCUMENT KIND 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 Disassembly
- ❖ LTB Overhaul
- ❖ LTB balancing & advanced troubleshooting.
- ❖ Advanced repairs

This is a theoretical and practical training course.

LTA & LTB E1/D1 with MSD1 & FSA 1

Certification:

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

Confirmation of attendance will be issued on training completion.

Duration:

5 (Five) days

Enrollments:

Send your request to

se-ltb-Training@hitachienergy.com

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Day	Subject	Location
1	Welcome / Introduction to Hitachi Energy LTB Product Portfolio	Classroom
	<ul style="list-style-type: none"> ❖ 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. 	
2	Maintenance & Overhaul	Classroom
	<ul style="list-style-type: none"> ❖ How to perform maintenance category B & C/D (Overhaul) (Best practice) ❖ LTB balancing & advanced troubleshooting. 	
3	SF6 Handling & Environmental aspects.	Classroom
	<ul style="list-style-type: none"> ❖ SF6 Gas handling and the impact of the greenhouse effect. ❖ LTB overhaul 	
4	How to read and understand Circuit diagram/s	Training center
	<ul style="list-style-type: none"> ❖ Circuit diagram reading & troubleshooting. ❖ LTB balancing & advanced troubleshooting. 	
5	Testing & Balancing	Training center
	<ul style="list-style-type: none"> ❖ 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	

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