

# ELECTRICAL COURSES

## ON LOAD TAP CHANGER (E48A)

**OBJECTIVE:**

This seminar provides the participants with the fundamentals and methods of voltage control, Types of Tap Changers, MR-OLTC operation, maintenance, OLTC inspection and Servicing Procedure.

**WHO SHOULD ATTEND?**

This course is very efficient for electrical technicians and engineers with basic experience in this field who need to get advanced knowledge in transformer maintenance and practical information about OLTC inspection.

**COURSE CONTENT:**

- Methods of Voltage Control
- Automatic Voltage Regulator
- Types of Tap Changers
- Off Load Tap Changers Operation and Maintenance
- Off Load Tap Changer Inspection & Testing
- On-Load Tap Changer Operation and Maintenance
- Non-Load Tap Changer Inspection & Testing
- OLTC Motor Drive Operation and Maintenance
- Transformer Testing Before and After OLTC Inspection
- Energization of the Transformer after OLTC Inspection.

**Practical Tasks:**

1. Watching some practical photos of Off Load and On Load Tap Changers.
2. Visiting the electrical workshop for familiarization on the types of Tap Changer.

**Duration: 5 Days**

Date:	Venue:	Cost:
<b>Apr 4 – 7</b>	<b>Dammam</b>	<b>SR7,000</b>
<b>Aug 1 – 5</b>	<b>Dammam</b>	<b>SR7,000</b>
<b>Nov 14 – 18</b>	<b>Dammam</b>	<b>SR7,000</b>

## OPERATION & MAINTENANCE OF DISTRIBUTION NETWORK (E58A)

**OBJECTIVE:**

This course is designed to provide knowledge in the Operation and Maintenance of different types of distribution network components such as RMU, lines ,substation and transformer .

**WHO SHOULD ATTEND?**

This course is recommended for electrical engineers, supervisors, and technicians who work in the operation and maintenance fields of distribution network.

**COURSE CONTENT:**

- Introduction to distribution networks .
- Distribution substations .
- Distribution transformers .
- Distribution lines .
- Distribution network components .
- R.M.U specifications
- Distribution network equipments.
- Operation and Maintenance of distribution networks

**Duration: 5 Days**

Date:	Venue:	Cost:
<b>May 9-13</b>	<b>Dammam</b>	<b>SR7,000</b>
<b>Sep 26-30</b>	<b>Jubail</b>	<b>SR 8,000</b>
<b>Dec 5-9</b>	<b>Dammam</b>	<b>SR7,000</b>