



Recognised for Continuing Professional Development (CPD) by SAAMA in accordance with ECSA guidelines



South African Institute of Occupational Safety and Health  
Accredited - 5 CPD Points



Effective  
Human  
Intervention  
LEADERS IN TRAINING

# GENERAL MACHINE REGULATIONS

INCLUDING THE EIR, EMR, CR, DM, GSR, PER REGULATIONS & the General Machinery Regulations including appointments, and general requirements for their applications.

The Occupational Health and Safety Act 85 of 1993

EHI HAS BEEN ACCREDITED BY MERSETA | ACCREDITATION No: 17-QA/Acc/0603/23 | B-BBEE LEVEL 2 CONTRIBUTOR

# PRACTICAL APPLICATION OF THE REGULATIONS

## COURSE SYNOPSIS

This programme is aimed to provide an insight to the everyday Supervision of Machinery and the legal obligations of the appointed Engineering Competent Persons, including Non-Engineering and Safety Personnel

The appointments required in terms of the Occupational Health and Safety Act will be examined and an action plan developed for general compliance.

Practical compliance as per the general requirements of the Regulations including HCS, MHI, GMR, EIR, EMR, CR, DM, GSR, PER

## WHO SHOULD ATTEND?

This course is designed for anyone who needs to understand fundamental operation of plant to improve efficiencies and safety at their Manufacturing Plants including Maintenance Systems.

- Safety Managers and Safety Practitioners
- Engineering Managers
- Appointed persons
- Safety personnel
- Engineering Supervision (Foremen, Superintendents)
- Technicians
- Employer and Safety Representatives (managers)
- Non-engineering Personnel

## ABOUT YOUR COURSE FACILITATOR

Ian Mee is registered with various Engineering council of South Africa and a senior member of the Institute of Mechanical and Electrical Engineers of South and many others. Ian is a registered certified engineer and technologist with ECSA.

He has 50 years in maintenance and inspection in various industries including the rubber, paper and chemical industries of which the last twenty years was in the Chemical and Allied Industry at senior management level. The last 20 years running a consulting practice. Was on the department of labour TC 13 committee for the drafting the Electrical Installation Regulations and Electrical machinery Regulations.

Ian is the technical specialist (electrical) for RBI TECHNICAL SOLUTIONS

INTERNATIONAL (PTY) LTD, a Mechanical accredited Authorised Inspection Authority VUP 068 for Manufacturing and in-service inspection and the first SANAS (ELEC- 014) and Department of Labour (CI-014 EIR) accredited Electrical Authorised Inspection Authority

## COURSE OUTCOMES:

- ✓ Understand the required appointments for any premises
- ✓ Know how to set out the appointments
- ✓ Know how to conduct inspections
- ✓ Understand Responsibilities
- ✓ Understand Non-engineering operating of equipment

## BENEFITS INCLUDE:

- Participation in an interactive live web-based video workshop
- Learn from interaction with other appointee's in industry
- Comprehensive course documentation
- Certificate on completion of the assignment
- SAIOSH – 5 CPD Points
- ECSA – 2 CPD Points



## CUSTOMISED VIRTUAL TRAINING AND/OR IN-HOUSE TRAINING

If you wish to organize a Virtual Instructor Led Training session or In-House session for your organization, we will custom design a session that will help you achieve your desired learning goal. The main advantage of custom designed VILT, in addition to being significantly cost effective, is that they address topics specifically related to the needs of your organization. To discuss the possibility of designing and conducting such a session or In-House training session, contact us on 021 979 58 for a comprehensive quotation.



## REGISTRATION CONFIRMATION

Complete your registration form. Receive your invite and confirm your VILT session by clicking on the link in the email invite. Click "Add to calendar" to ensure you do not miss the training course.



# PRACTICAL APPLICATION OF THE

## COURSE OUTLINE

### MODULE 1

#### SESSION 1

Brief Introduction to the subject of machinery supervision and the associated regulations:

- OHSACT and regulations as indicated
- Some concepts of these regulations HCS, MHI, GMR, EMR, EIR, DMR, GSR, PER, Others
- What are the general requirements for compliance to the GMR regulations?
- Company own procedures such as SOP, SWP, WI, Permits, Risk assessments (must have for all students)
- Group assignment from some video material

#### SESSION 2: GENERAL

Supervision in perspective (what are the employer's responsibilities)

- Any machinery, electrical, mechanical and pressure systems are regarded as significant and requires general risk assessment, to establish the hazards as per section 8 of the OHSACT

### MODULE 2

#### SESSION 1: APPOINTMENTS

How are the appointments made?

Appointments are done in writing

They must set out the boundaries for each appointee

They must contain all the information that the appointee requires to carry out his or her duties

- The appointment must indicate the employer support
- The reporting functions
- Reference to the applicable legislation

#### SESSION 2: REGULATIONS

What are they? How do they affect the operations and engineering staff?

What is the role of the supervisor?

What are the HCS requirements?

What is an MHI installation?

GMR - what

EIR - How

EMR - when

DMR - who

PER - precautions

Others such as health and safety standards, i.e. SANS 10142-1 & 2, 347, 10400, and others including company SOP



# APPLICATIONS

## MODULE 3

### SESSION 1: SOME EXAMPLES

Review of video material including group assignment

- Who makes the appointments?
- Typical plant structure (plant can be any premises where work is done)
- Structure of appointments
- An example of the functioning of the appointment structure
- Incident description
- Group activity and role play



Standby Generator engine and electrical maintenance



Mechanical incident



Gas Burner incident

## MODULE 4

### SESSION 1

Review of video material including group assignment

GMR safeguarding of machinery

Operation of machinery

Lifting equipment

Safety systems

## MODULE 5

### SESSION 1

Review of video material

Some general requirements from the DMR and EMR regulations

Electrical and mechanical installations

## MODULE 6

### SESSION 1

Company own procedures introduced here

Risk assessment and fault finding

Agitator

Not running when it should

Check power supply.

Check settings of vat controller and control switch on panel.

Check fuses.

If still no action-call maintenance firm/engineer.

Electrical incident and maintenance

Continuing Professional Development (CPD) refers to continuing education and training. CPD also refers to the systematic maintenance, improvement and broadening of knowledge and skills and the development of the necessary personal qualities for the execution of professional duties throughout a person's career. It is the learning and development that takes place after completion of educational studies and by which registered persons maintain and develop competencies to continue to perform their roles efficiently through further training and experiences. ECSA is recognised by SAQA as a Professional Body ID: 623. CPD registered courses can be submitted on your WSP. EHI's courses are accredited through SAAMA for approval of CPD activities which will automatically be accepted by ECSA.

This is a short learning programme, and you will not receive credits towards formal learning registered on the SAQA database. Most short learning programmes are aligned to a unit standard.