



**Kenya Bureau of
Standards**
Standards for Quality life

2ND RADIATION PROTECTION SAFETY AND SECURITY TRAINING

24-28TH SEPTEMBER 2018



The 1st radiation protection and safety

INTRODUCTION

Due to technological advance and increase in demand for radiation application, so does the likelihood for hazards. Therefore, its applications must be standardized to enhance quality of life and safety of users, public and environment.

COURSE OBJECTIVE

To develop and strengthen capability on safe use in view of the emerging trends, and challenges in standardization of radiation protection, safety and security matters.

COURSE OVERVIEW

The course duration is five days. The training will consist of lectures in form of technical presentation by experts, practical demonstration and hands on exercises

ORGANIZED BY;



SECONDARY STANDARDS DOSIMETRY LABORATORY

CONTENT

1. Course work

- Basic physics and ionizing radiations
- Biological effects and risks
- Radiation legislation and regulation
- Principles of protection
- Radiation safety philosophy
- Dosimetry
- Non-Destructive testing
- Radiation measurement and monitoring
- Radiation application
- Radiation security
- Quality assurance and control
- maintenance of radiation equipment
- Naturally occurring radionuclides in environmental and NORM
- Radiation application in research
- Industrial radiography
- Role of the RSO
- Nuclear power program
- Leadership and management in radiation application
- Emerging threads and challenges

2. Industrial visit

- NDT and Dosimetry labs at KEBS
- Ministry of public works, materials branch
- Institute of nuclear science, UON

VENUE

Training to be conducted at KEBS headquarters. Popo road ,off Mombasa road south C.

TARGETED SECTOR

- Radiation service providers
- Radiation food processing
- Security agencies
- Aviation industry
- Road construction
- civil engineering work
- Industrial Radiography
- Nuclear power
- Manufacturing
- Environmental
- Public health and safety
- Agriculture
- Academic and research institutions
- Cement industries
- Mining industries
- Non destructive testing

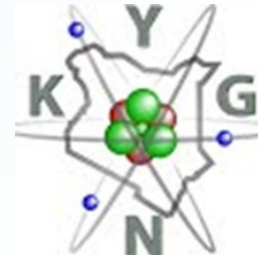
TRAINING PARTNERS



University of Nairobi



Kenya Radiation Protection Board



The Eastern African Association for Radiation Protection (EAARP)

WHAT IS RADIATION PROTECTION SAFETY AND SECURITY?

Radiation protection safety and security is a qualification that demonstrates that the person holding the qualification has been adequately trained in the hazards associated with ionizing radiations, in the precautions to be taken when employing ionizing radiation, and in the methods of protection. BRS covers awareness of the content of any special requirements for permanent facility or site operations and the importance of complying with these requirements. It also covers possible accident or emergency situations that can occur and the actions to be taken in the event that they do.

REGISTRATION

Fee : KES 30,000 + 16% VAT

Course fee exclusive of transport and accommodation expenses.

Email: cyallar@kebs.org