



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

# **3<sup>RD</sup> RADIATION PROTECTION SAFETY AND SECURITY TRAINING (HEALTHCARE AND MEDICAL APPLICATION)**

**26 - 30<sup>TH</sup> NOVEMBER 2018,  
KEBS MOMBASA OFFICE**



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 , radiation 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 of radiation 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
- Nuclear medicine
- Radiation medical imaging techniques
- Medical physics
- Dosimetry
- 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
- Role of the RSO
- Leadership and management in radiation application
- Emerging threads and challenges

### **2. Industrial visit**

- Coast General Hospital
- Technical university laboratory

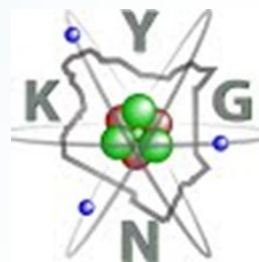
## VENUE

Training to be conducted at KEBS Mombasa office.

## TARGETED SECTOR

1. Hospital imaging techniques -
  - Radiographers
  - Computer Tomography
  - X-ray
  - Mammography
  - Radiotherapy
  - Dental applications.
2. Bio -Medical engineers/Technicians
3. Medical equipment suppliers
4. Radiation service providers
5. Teaching and research institutions
6. Cancer care centers
7. Oncologist
8. Radiologist
9. Research institutions
10. Hospital administration

## TRAINING PARTNERS



## 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. 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.

Kindly fill the training registration form that can be accessed from [www.kebs.org](http://www.kebs.org) and email the form to [cyallar@kebs.org](mailto:cyallar@kebs.org)

Deadline of registration is 23rd November 2018