



NUCLEAR SAFETY AND RADIATION PROTECTION ACT 1995

Made up of Nine parts and 49 sections

– Establishes

NIGERIAN NUCLEAR REGULATORY AUTHORITY (NNRA)

“with the responsibility for nuclear safety and radiological protection regulation in Nigeria”

GAZETTED BILLS

Safety and Radiation Protection Act 19 of 1995 (the Act)

DRAFT BILLS

Nuclear Safety, Security and Safeguards Bill

Medical Physicists Bill

National Nuclear and Radiological Emergency Bill

GAZETTED REGULATIONS

Nigerian Basic Ionizing Radiation Regulations 2003 (NiBIRR 2003)

Nigerian Radiation Safety in Radiotherapy Regulations, 2006

Nigerian Radiation Safety in Nuclear Medicine Regulations, 2006

Nigerian Radiation Safety in Diagnostic and Interventional Radiology Regulations, 2006

Nigerian Safety and Security of Radioactive Sources Regulations, 2006

Nigerian Transportation of Radioactive Sources Regulations, 2006

Nigerian Radiation Safety in Industrial Radiography Regulations, 2006

Nigerian Radioactive Waste Management Regulations, 2006

Nigerian Radiation Safety in Nuclear Well Logging Regulations, 2008

Nigerian Naturally Occurring Radioactive Materials (NORM) Regulations, 2008

Nigerian Radiation Safety in Industrial Irradiator Regulations, 2008

DRAFT GUIDES

Guide for Maintenance Engineers and Technicians

Guide for the Provision of Dosimetry Service in Nigerian

Guide for Licensing of Nuclear Research Reactor and Reactor Operators in Nigeria

Guide for Licensing of Gamma Irradiation facility in Nigeria

Guide for Accreditation of Radiation Safety Advisers, 2008

Guide on System of Notification, Authorization and Inspection

MANUALS

NNRA Manual for Inspection: Announced and Unannounced

NNRA Manual for General X-ray Machines Inspection

NNRA Manual for CT Scanners and Mammography Machines Inspection

NNRA Manual for Brachytherapy Inspection

NNRA Manual for Nuclear Medicine Inspection

NNRA Manual for Cobalt-60 Radiotherapy Machine Inspection

NNRA Manual for Nucleonic Gauges Inspection

NNRA Manual for Industrial Radiography Inspection
NNRA Manual for Nuclear Well-Logging Inspection
NNRA Manual for Gamma Irradiation Facility (GIF) Authorization
NNRA Manual for Gamma Irradiation Facility (GIF) Inspection
NNRA Manual for Inspection Notification
NNRA Manual for Inspection Report and Review
NNRA Regulatory Code
NNRA Code of Conduct for Inspectors
NNRA Regulatory Code on Enforcement
NNRA Manual for Conveying Licensing Actions to Operators
NNRA Manual for Denying Application for Renewal
NNRA Manual for Conveying Licence Expiration Notification

NNRA MINIMUM REQUIREMENTS FOR AUTHORIZATION

Minimum Standards for Accreditation of Radiation Safety Advisers (RSA)
Minimum Requirements for Monitoring When a Lead Rubber Apron is Worn
Minimum Requirements for Authorization of Diagnostic Radiography Premises
Minimum Requirements for Authorization of a Radiographic Dark Room
Minimum Requirements for Authorizing Industrial Radiography Facility
Minimum Requirements for Authorization of X-Ray Unit and Services Providers and Vendors
Minimum Requirements for Equipment Maintenance Programme in Diagnostic Radiology
Minimum Standard for Acceptance Test for Diagnostic Radiography
Minimum Standards for Mammography Unit Acceptance Tests
Minimum Standards for Radiographic Grids Design and Grid Ratio

NIGERIA BASIC IONIZING RADIATION REGULATIONS (NiBIRR)

NiBIRR implements international best practices as contained in the International Basic Safety Standard for Protection against Ionizing Radiation and for the Safety of Radiation Sources (BSS) and the provisions of the Act

International Basic Safety Standards (BSS) - SS 115 (Published 1996)

• Co-sponsored by 6 international organizations : FAO, IAEA, ILO, OECD/NEA, PAHO and WHO
BSS is the basis for the NiBIRR

OBJECTIVES

NiBIRR and the supporting Guidance and Codes of Practice to be issued under it are to:

1. Establish a Framework for Ensuring that Occupational Exposure to Ionizing Radiation, whether Natural or Man-Made, and from External Radiation (e.g. X-Ray Set) or Internal Radiation (e.g. Inhalation of Radioactive Substance) is safe
2. Ensure that Exposure to Ionizing Radiation is kept As Low As Reasonably Achievable (ALARA Principle) and
3. Ensure that Exposure to Ionizing Radiation does not Exceed Dose Limits Specified for Individuals