

# Forum of Nuclear Regulatory Bodies in Africa (FNRBA) Plenary meeting

## Regional Networking on Safety and Security: *New Initiative*

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# FORUM OF NUCLEAR REGULATORY BODIES IN AFRICA: **OVERVIEW**



# FORUM OF NUCLEAR REGULATORY BODIES IN AFRICA (FNRBA)

<http://gnssn.iaea.org/sites/fnrba>

- In March 2009, the entire leadership of nuclear regulatory bodies in Africa converged in Pretoria, South Africa to launch the Forum of nuclear regulatory bodies in Africa (FNRBA)



## VISION

- To be an efficient and effective regional network, advancing excellence in regulatory systems for radiation protection, nuclear safety and security in Africa



## MISSION

- To provide a platform and mechanism for exchanging experience, sharing knowledge and capacity building thereby contributing to and promoting the development and harmonization of regulatory infrastructures in Africa for radiation protection, nuclear safety and security.

## OBJECTIVES

- To provide a platform for fostering regional cooperation;
- To provide for the exchange of expertise, information and experience;
- To provide opportunity for mutual support and coordination of regional initiatives, and leverage the development and optimization of utilization resources.

# STRATEGIC ACTION PLAN 2016 - 2021

*Plenary meeting, Vienna, September 2015*

- **Priority 1:** Create awareness of, and coordinate activities, amongst political and policy makers and other regional forums and organizations.
- **Priority 2:** Establish an efficient and effective network of human resources supported by an IT platform to ensure sustainable regional strategies for capacity building with IAEA methodologies.
- **Priority 3:** Ensure understanding, develop, promote and implement high standards of radiation and nuclear safety and & nuclear security in MSs.
- **Priority 4:** Implement capacity building activities at the national and regional level in radiation and nuclear safety and & nuclear security regulatory framework and promote sustainable regional cooperation in developing needed human resources.
- **Priority 5:** Harmonize national plans for EPR, transport safety and security in line with international requirements to facilitate exchange of information and sharing of experiences.

## TEN THEMATIC WORKING GROUPS

- Education, Training and knowledge
- Legislative and regulatory infrastructure
- Nuclear and Radiation Safety in Research Reactors
- Radiation Safety in radiotherapy
- Radiation Safety in uranium mining and milling
- Regulatory framework for the Licensing of Nuclear Power Plants
- Safety in Radioactive Waste Management Infrastructure
- Transport Safety
- Emergency preparedness and response
- **Nuclear security infrastructure**

# REGIONAL NETWORKING ON SAFETY AND SECURITY: *NEW INITIATIVE*



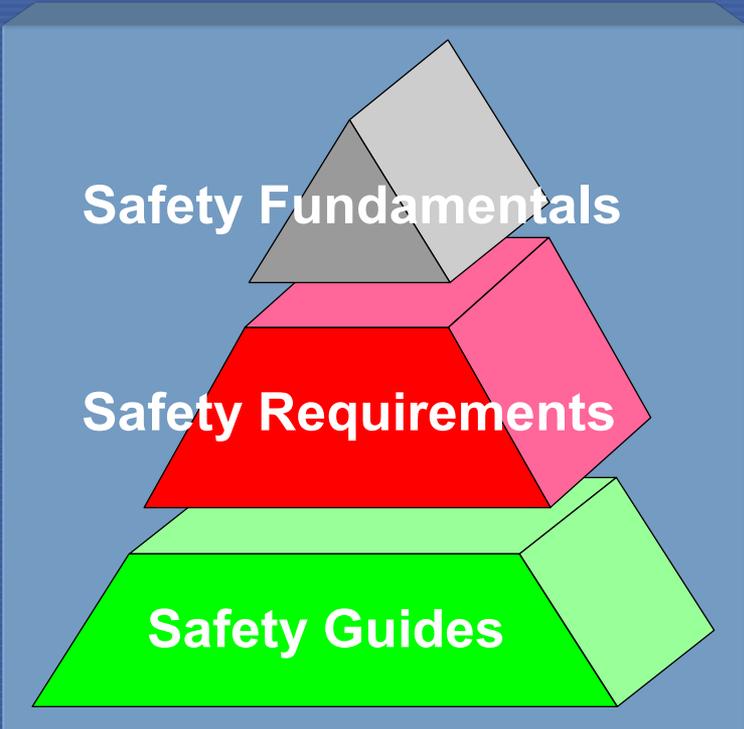
# Safety and Security Interfaces

- ✓ Safety and security **have in common** the aim of protecting persons, property, society and the environment.
- ✓ Safety and security measures **have to be designed & implemented in an integrated manner** to develop synergy between them & also in a way that security measures do not compromise safety and safety measures do not compromise security.

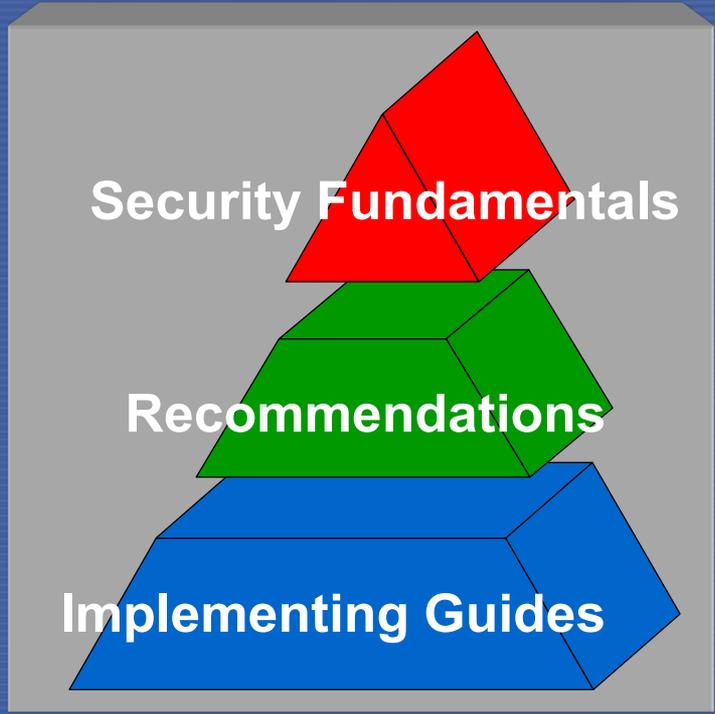
# IAEA/ Structure of Safety and Security Documents

Global reference point for high level of Nuclear Safety and Security

## NUCLEAR SAFETY STANDARDS



## NUCLEAR SECURITY SERIES



# Safety and Security Interfaces: **NEW INITIATIVE**

- ✓ Continue & **further strengthen** exchange of experience & lessons learned on: Regulatory and technical issues on safety and security, in particular on synergies and interfaces (*Safety and security share common regulatory approaches while respecting some specifics*).
- ✓ Safety and security issues related to radioactive sources should be evaluated on **mutually supporting and reinforcing terms** (*most Regulators in Africa regulate both safety and security of radioactive sources*).

# Safety and Security Interfaces: *NEW INITIATIVE*

- ✓ **More regional thematic seminars** to draw and share good practices on identified areas related to each TWG.
- ✓ Identify **regional capacities and capabilities** of expertise and training for regional and international activities (e.g. NSGC, Peer Reviews, specific expert advice...etc.).

# Safety and Security Interfaces: *NEW INITIATIVE*

- ✓ Identify and provide ***immediate added value*** to members on safety and security issues (e.g. possibility to get quick feedback from FNRBA network on regulatory and technical issues).
- ✓ Further ***promote cooperation*** between FNRBA and other Networks.

# REGIONAL NETWORKING ON SAFETY AND SECURITY: *NEW INITIATIVE*

## To develop and maximize synergy between Safety & Security



### Add Nuclear Security dimension to thematic WGs

- Education, Training and knowledge
- Legislative and regulatory infrastructure
- Nuclear and Radiation Safety in Research Reactors
- Radiation Safety in radiotherapy
- Radiation Safety in uranium mining and milling
- Regulatory framework for the Licensing of Nuclear Power Plants
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# REGIONAL NETWORKING ON SAFETY AND SECURITY: *NEW INITIATIVE*

## To develop and maximize cooperation with other Safety & Security Networks

### through existing knowledge networks

- Arab Network of Nuclear Regulators (ANNuR)
- European Nuclear Safety Regulators Group (ENSREG)
- Asian Nuclear Safety Network (ANSN)
- European Technical Safety (ETSON)
- Association of Southeast Asian Nations Network of Regulatory Bodies on Atomic Energy (ASEANTOM)
- Western European Nuclear Regulators Association (WENRA)
- Ibero-American Forum of Radiological and Nuclear Regulatory Agencies (FORO)

# CONCLUSION



# REGIONAL NETWORKING ON SAFETY AND SECURITY:

## **CONCLUSION**

- Activities under FNRBA are mainly directed at safety issues 9 out of 10 TWG are dedicated to safety, while most regulators are regulating both safety and security.
- FNRBA needs to promote synergies and interfaces between safety and security in almost all TWGs.
- National commitment, support and recognition from top management for regional and international activities are needed.

# REGIONAL NETWORKS ON SAFETY AND SECURITY

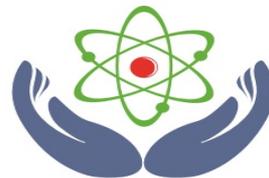
## **CONCLUSION**

The Kingdom of Morocco, through its Regulatory Body, AMSSNuR, intends to host a meeting for the entire leadership of nuclear regulatory bodies in Africa, in close cooperation with the IAEA, EU/EC, Canada, EC, USA, France, Spain, Korea and other Donors during the first quarter, 2017.

The way forward for Africa in safety and security:  
*Commitments and actions*



*THANK YOU FOR YOUR ATTENTION*



امسنور  
AMSSNuR



FNRBA