

SENIOR REGULATORS' MEETING

29 September, 2016, Vienna

Regional Approaches for Improving Regulatory Capacities for Nuclear Security

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Content

- Forum of Nuclear Regulatory Bodies in Africa (FNRBA): *Overview*
- Regional Approach for Improving Regulatory Capacities on Nuclear Security: *New Initiative*
- Conclusion



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 **nuclear security** in Africa



FORUM OF NUCLEAR REGULATORY BODIES IN AFRICA (FNRBA)

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

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 **nuclear 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.



STRUCTURE

- Plenary Body
 - The Plenary meeting is organized once a year
- Steering Committee
 - The Steering Committee meets twice a year within or outside Africa region
- Thematic Working Groups (TWGs)
 - The TWGs meet as planned

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**

Nuclear Security in Africa



In Use



Storage



Transport

Most of the Regulatory Bodies in Africa regulate both safety and security

Regional Approach for Improving Regulatory Capacities on Nuclear Security: *New Initiative*



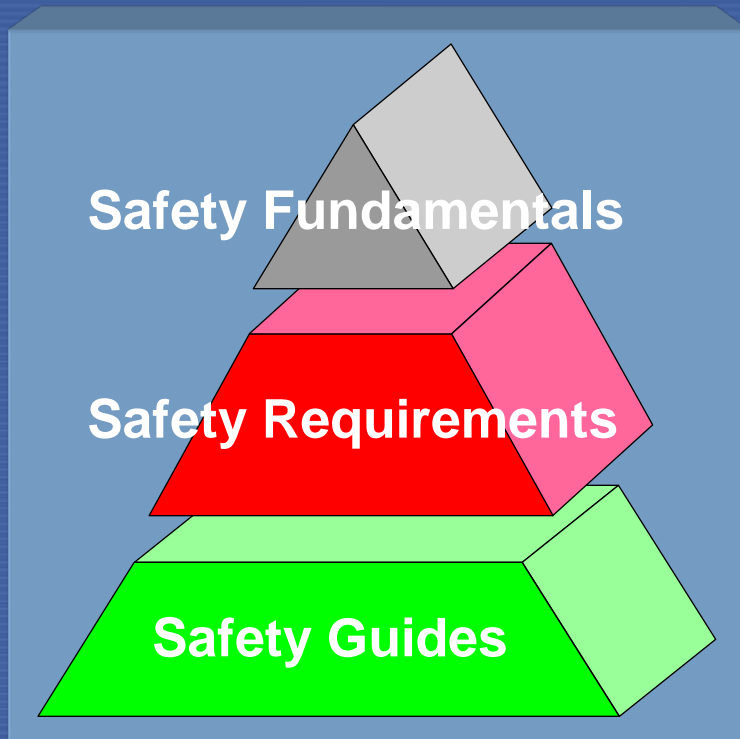
Safety and Security Interfaces

- ✓ 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 (NSS No 20).

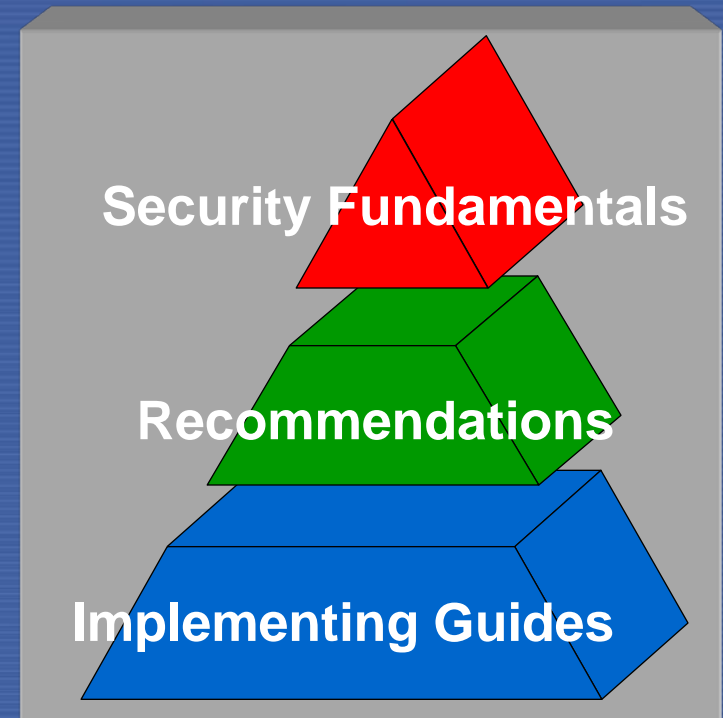
IAEA/ Structure of Safety and Security Documents

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 nuclear security regulatory and technical issues, from all TWGs).
- ✓ Cooperation with other Networks on nuclear security issues.



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. Nine out of Ten TWG are dedicated to safety, while most regulators in Africa are regulating both safety and security.
- FNRBA needs to promote synergies and interfaces between safety and security in almost all TWGs, while respecting specificities.
- National commitment, support and recognition from top management for regional and international activities are needed.

REGIONAL NETWORKS ON SAFETY AND SECURITY

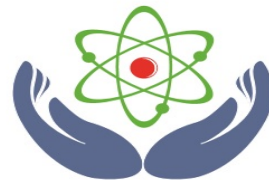
CONCLUSION

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 interested 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