

The FNRBA Strategic Action Plan

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IAEA
International Atomic Energy Agency



The Forum Of Nuclear Regulatory Bodies in Africa



- Launched in March 2009
- 33 Member Countries
- Practical Arrangements with IAEA signed in September 2013
- 10 Thematic working groups
- Mission: to support the enhancement and strengthening of the radiation protection, nuclear safety and security and regulatory infrastructure in the FNRBA member countries
- MoU signed with KINS, TAMU

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Thematic Working Groups:

- Education, Training and Knowledge management
- Legislative and regulatory infrastructure
- Radiation and nuclear safety for Research Reactors
- Radiation safety in Radiotherapy
- Radiation safety in Uranium mining and milling
- Regulatory framework for licensing of nuclear power plants

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Thematic Working Groups:

- Transport safety
- Emergency preparedness and response
- Nuclear Security
- Safety in radioactive waste management infrastructure

Supported by

- IT Support Group
- Technical Advisory Group (Publications)

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Major Achievements:

- The African Union a partner Supporting FNRBA
- Model Regulation for Emergency Preparedness published
- Strategic Action plan 2016-2021 endorsed
- 16 National Nuclear Safety knowledge Platforms under development
- Over 40 Workshops implemented covering nuclear safety and nuclear security

Strategic Action Plan: the Scope



- To provide for the **mid-term strategy, objectives and activities** for the enhancement, strengthening and harmonization of the radiation protection, nuclear safety and security regulatory infrastructure and framework among the members of FNRBA.
- To provide a clear strategy and plan for **Governments, strategic and technical partners, donors and stakeholders** to ensure the effective implementation and support for the planned activities of the FNRBA.

The Challenges of the region



- Inadequate implementation of the legislative and regulatory frameworks due to lack of financial and human resources;
- Lack of qualified and experienced work force;
- Different levels of regulatory infrastructure development in Member States;
- Competing priorities in Member states resulting in lack of resources for FBRBA activities;
- Inconsistent implementation of thematic working group action plans;

The Challenges



- Lack of involvement and awareness of political and policy makers of the need for nuclear and regulatory infrastructure and regional networking; and
- Inadequate coordination, harmonisation and planning of thematic working group action plans and
- Lack of coordination with existing regional forums and organisations such as AFCONE, AFRA, African Development Bank, and African Union.

The Objectives



- Implementing capacity building activities, establishing capacity building centres and enhancing human resources in order to achieve a high level of radiation protection, nuclear safety and security regulatory infrastructure and framework among the FNRBA Member States.
- Promoting sustainable regional cooperation, creating awareness of political and policy makers and coordinating activities with other regional forums and organisations to strengthen regulatory infrastructure and regional networking.

The Objectives



- Creating awareness of new technological and regulatory standards developments and promoting the national and regional nuclear safety and security framework
- Providing an efficient and effective IT and capacity building common platform and maintaining an advanced scientific and knowledge base throughout the planning and implementation of the activities of the network

The Objectives



- Networking and establishing agreements amongst Member States relating to transport, import and export of radioactive material and emergency planning and response.
- Promoting self-assessment methodologies and best practices, and conducting self-assessment and peer reviews to identify common issues and gaps in the region

Priority 1



- **Priority 1:** Creating awareness of, and coordinating activities, amongst political and policy makers and other regional forums and organisations

The main activity will be to engage with national policy makers and other regional bodies and organisations through:

- 1) Involving key stakeholders in FNRBA meetings and activities;
- 2) Communicating and notifying of FNRBA strategic plan;
- 3) Promoting of regional activities at international events such as IAEA GC, NRC RIC, etc. and
- 4) Developing mechanisms for sustainable financial support.

Priority 2



EUROSAFE

Towards Convergence of
Technical Nuclear Safety Practices in Europe



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- **Priority 2:** Establishment of an efficient and effective network of human resources supported by an IT Platform to ensure sustainable regional cooperation and to align national strategies for capacity building with IAEA methodologies.
- 1) Coordinating, reviewing and updating of thematic working group action plans, TWG participants lists and regional experts database;
 - 2) Promoting and encouraging the use of experts from the region for international expert missions, and participation in IAEA safety standards committees;
 - 3) Encouraging the use and updating of the FNRBA IT platform (and TWG websites) for communication, sharing of information and lessons learned; and
 - 4) Developing of strategy for capacity building (education and training, HRD, knowledge management, IAEA SARCON, ETRES etc.).

Priority 3



- **Priority 3:** To ensure understanding, development, promotion and implementation of high standards of radiation protection, nuclear safety and security in Member States.

- 1) Encouraging Member States to join and effectively implement the international legal instruments on safety and security and to adopt IAEA safety standards and security guidance;
- 2) Conducting high level surveys and benchmarking in TWGs identifying main gaps in safety standards and regulatory practices, to be followed by the conduct of self assessments using IAEA methodologies, and IAEA advisory and peer review missions;
- 3) Encouraging the improvement of organisational systems in regulatory bodies including establishment of management systems

Priority 4



- **Priority 4:** Implementing capacity building activities at the national and regional level in radiation protection, nuclear safety and security regulatory infrastructure and framework and promoting and supporting sustainable regional cooperation in developing needed human resources.

- 1) Identifying and developing a database of training and research institutions in FNRBA region, and mapping of training events and opportunities;
- 2) Implementing regional and inter-regional train-the-trainer courses and training workshops related to all thematic areas of FNRBA, and promoting the establishment of regional capacity building centres with a network of trainers ; and
- 3) Promoting web-based training and use of information and communication technologies.

Priority 5



- **Priority 5:** Harmonization of the national plans for emergency preparedness and response, transport and security in line with international requirements to facilitate exchange of information and sharing of experience.

1) Facilitating the development of regional and sub-regional cooperation agreements for the collaboration and information sharing; and

2) Creating and increasing awareness of Member States about the need for cooperation, mutual collaboration, and assistance and sharing of experiences.

2016 Work-Plan

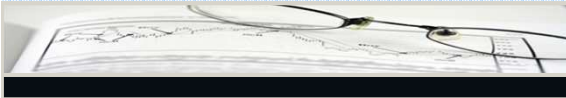


- 3 x National Workshop on integrated regulatory Capacity Building
 - Egypt, Kenya, Sudan
- Coordination meeting between IAEA, USNRC, EC and KINS
 - February 2016
- High level meeting with the African Union
- Regional workshop on National Nuclear Safety knowledge platforms
- Workshop on Small Modular Reactor: Safety and Licensing
 - June 2016

2016 Work-Plan



- 2 Nuclear Security activities
 - Under clearance
- fact-finding and coaching mission on the basis of the IAEA self-assessment method for developing national infrastructure for a research reactor programme
 - ANNuR Member States are also invited
- Basic Professional Training Course on Nuclear Safety
 - KINS, Korea
- Consultancy meeting for drafting a survey on Regulatory needs



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society and the environment*

