

Status of development in national regulatory infrastructure for Nuclear safety and security

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OUTLINE

- ✓ Moroccan involvement in the International Nuclear Regime;
- ✓ Current legislation and regulation ;
- ✓ Ongoing regulatory infrastructure activities;
- ✓ Needs;
- ✓ Expectations from GNSSN;
- ✓ Conclusions.

International

- Morocco: Membre State of the IAEA since 1957;
- Morocco's international engagements :

- **Nuclear Treaty on Non-Proliferation of Nuclear Weapons (NPT);**
- **Comprehensive Test Ban Treaty (CTBT);**
- **Convention on Physical Protection of Nuclear Material (CPPNM);**
- **Amendment of CPPNM;**
- **Convention on Early Notification of a Nuclear Accident;**
- **Convention on Assistance in case of a Nuclear Accident or Radiological Emergency;**

- **Convention on Supplementary Compensation for Nuclear Damage;**
- **Convention on Nuclear Safety;**
- **Joint Convention on Safety of Spent Fuel Management and on Safety of Radioactive Waste Management;**
- **Convention for the suppression of acts of nuclear terrorism;**
- **Agreement for the Application of Safeguards in connexion with NPT;**
- **AP to safeguards Agreement;**

- **Active member of Global Initiative Against Nuclear Terrorism;**
- **Active member of IFNEC (3rd EC-October 2012);**
- **SC resolution 1540 (non-proliferation of WMD);**
- **Code of conduct on the safety and security of radioactive sources;**
- **Code of Conduct on the Safety of Research Reactors;**

Régional

- **African Nuclear Weapon-Free Zone Treaty;**
- **Member of SC of ANNuR;**
- **Member of SC of FNRBA (VC).**

Legislation

1. Law on Protection Against Ionising Radiation :

- **General law;**
- **Establishes general principles for all activities and practices involving exposure to ionising radiation.**

Regulation

➤ Decree on the Authorisation and Control of Nuclear Facilities.

This Decree establishes the licensing, and control conditions for nuclear facilities and, particularly, designates the MEM as a National Regulatory Authority for nuclear safety.

Regulation (Cont'd)

➤ Decree on Protection against Ionizing Radiations;

This Decree establishes the licensing, and control conditions for the practices involving ionizing radiations and, particularly, designates the **Ministry of Health (CNRP) as a National Regulatory Authority for radiological safety.**

Legislation (cont'd)

2. law related to civil liability for nuclear damage:

Approved in January 2005

Regulation

- **Decree related to civil liability for nuclear damage;**
- **Annual decree : extension of warranty.**

Ongoing activities

Draft law related to nuclear and radiation safety and security :

- **Establish, under the CG, a unified and independent RB with a power and adequate resources;**
- **Regulate all nuclear activities including authorisation, inspection and enforcement, radiation safety, nuclear safety and security RAW, transport, emergency preparedness, safeguards and physical protection etc.**

Draft law under the process of approval.

Needs

Most developing countries have limited capabilities and there is a clear need for:

- National infrastructure and capacity building at institutional, organizational and technical levels to enhance and sustain a safe and secure utilization of nuclear technology,
- Human resources development especially in nuclear Safety, radiation Safety and Security,
- Development of infrastructures and capabilities for the legislative and regulatory framework, safety and security.

Expectations from GNSSN

- To be an effective platform to exchange knowledge, best practices, experiences, lessons learned about nuclear safety and security;
- To provide mechanisms for building and continuously improving capacity building and safety infrastructure: function as an Integrated Virtual Centre for Education and Training;
- To Develop/ Strengthen the inter-regional cooperation: Exchange of experience between regions in crucial.

Conclusions

- **Changes in world markets and technology are having an impact on both nuclear industry and regulators as never before. A key challenge is to properly assess and address the safety and security implications of these changes.**
- **The Global and Regional Nuclear Safety and Security Networks should provide the mechanisms for building and continuously improving capacity building and safety infrastructure: Should function as :**
 - Integrated Virtual Centre for Education and Training;
 - Peer Review and Support Arrangement (Regional.....)

Conclusions (Cont'd)

- **Safety & Security are continuous improvement & the success of an effective Global Nuclear Safety & Security Regime through a Regional Networks is our success;**
- **National commitments and continuous support from donors and International Organizations is crucial to ensure the sustainability of GNSSN.**

**Thank you
for your attention**

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