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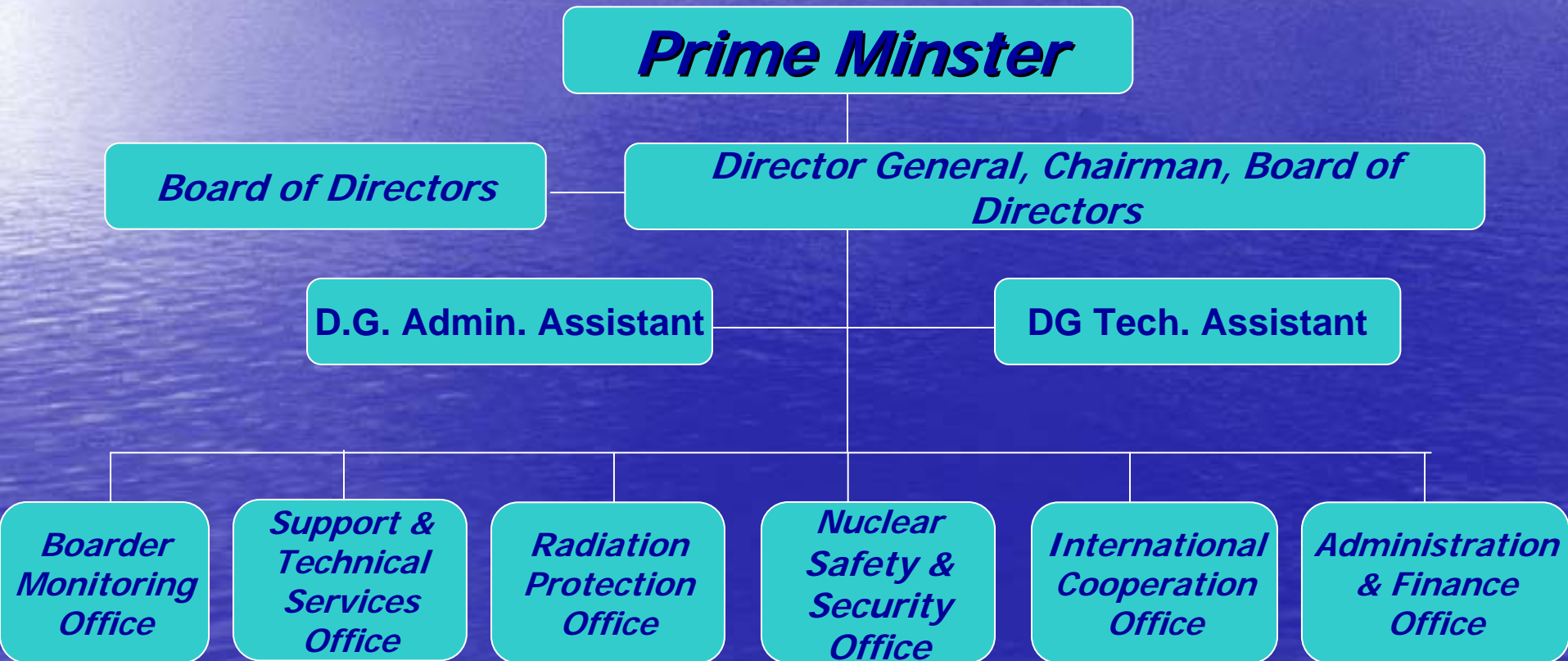
Jordan Nuclear Regulatory Commission
(JNRC)

Stations and Developments

- *Prior to 2001: Nuclear activities (promotion and regulation) were handled by a Nuclear Energy department (NED) within the Ministry of Energy & Mineral Resources (MEMR).*
- *In 2001: Nuclear Energy and Radiation Protection law (No. 29 for the year 2001) was issued. Accordingly, the Jordan Atomic Energy Commission (JAEC) was established to undertake both promotion and regulation of nuclear applications in the country.*

- *In July 2007: Nuclear Energy and Radiation Protection Law No. 29 for the year 2001 was replaced with two laws which established two independent entities:*
 1. *The Jordan Atomic Energy Commission (JAEC) pursuant to the Nuclear Energy Law (No. 42 for the year 2007)*
 2. *The Radiation and Nuclear Regulatory Commission (RNRC), pursuant to the Nuclear Safety and Security and Radiation Protection Law No. 43 for the year 2007.*
- *In May 2008 : Nuclear Safety and Security and Radiation Protection Law No. 43 for the year 2007, was amended, and JNRC was Established.*

Organizational Chart



Objectives

The objectives of JNRC are to:

- *Regulate, monitor, and control applications of nuclear energy and ionizing radiation,*
- *Protect the environment, human health and properties from hazards of radiation and exposure to ionizing radiation, in accordance with the relevant rules,*
- *Ensure the availability of the requirements for radiation protection, nuclear safety, security.*

Duties and Responsibilities

The duties and responsibilities of JNRC are :

- *Provision of authorizations and licenses for institutions and workers in the field, in compliance with pertinent rules and regulations,*
- *Controlling and monitoring the implementation of pertinent rules through inspection,*
- *Communication with institutions and organizations for the exchange of expertise,*

- *Participating in relevant national, regional and international projects,*
- *Regulating relationships of national institutions in the field,*
- *Establishing comprehensive safeguards and creating a system for the documentation and control of nuclear materials.*

Needs

The needs for development in short and medium terms were as follows:

- Improve the legislative basis and develop regulations,
- Establish and implement appropriate arrangements for a systematic quality management,
- Set up an effective information system for radiation sources and their registration;
- Improve the operational capability and training of inspectors for their activity both for practical and normative aspects

- Develop safety criteria and requirements for waste management
- content for safety reports to be submitted, and the capability for safety evaluation;
- Provide support for preparation of prevention of illicit trafficking of any nuclear or radioactive material across Jordan's borders.
- Qualifying and training administrative and technical staff members.



International Cooperation

IAEA

- Jordan is already party to several international instruments and more will be formalized
- JNRC is utilizing IAEA safety standards and working closely with the IAEA (TC projects) to:
 - Evaluate the effectiveness of the regulatory system (INIR) mission
 - Draft amendment to its governing law to bring it in line with various treaties and agreements Jordan has signed.
 - Revision of draft regulations and other advisory services.
 - Training events.

Bilateral cooperation

European Union

The Eu and Jordan are working closely to develop a nuclear safety framework under a two-year project.

The project aims to:

- enhance the skills and effectiveness of the regulatory body as a whole,
- improve the legal and procedural base for a competent and efficient regulatory body
- implement license-based regulatory practices in Jordan.

Bilateral cooperation

USA

- The US Department of Energy supports Jordan in the area of illicit trafficking of nuclear materials through the Megaports initiative. The DoE provides equipment and training for staff members on Jordan's borders.
- Negotiations are going on to start cooperation with NRC.

Bilateral cooperation

- CNSC - CANADA
- IRSN - FRANCE
- KINS - KOREA REP.

THANK YOU FOR YOUR ATTENTION

