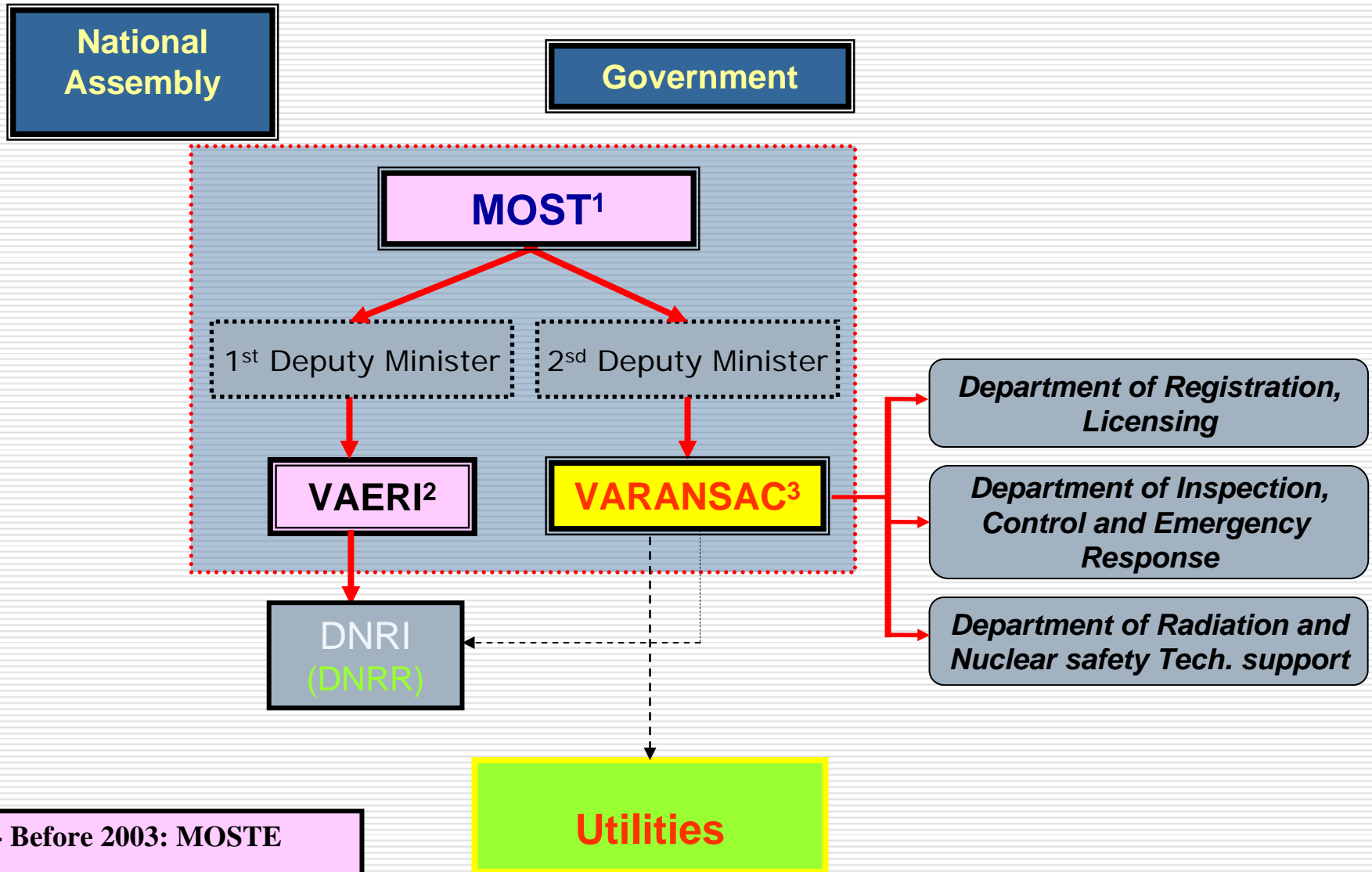


**THE ROLE OF THE RB
IN THE OPERATIONAL SAFETY
OF DALAT RESEARCH REACTOR**

State Administrative Management in the Field of Atomic energy



1- Before 2003: MOSTE

2- Before 7/2006: VAEC

3- Before 2003: VRPA

State Administrative Management in the Field of Atomic energy

MOST

- The Ministry of Science and Technology (MOST) is the Regulatory Body responsible for the unified State management of radiation protection and nuclear safety throughout the country; organizing and directing all radiation and nuclear safety activities.



State Administrative Management in the Field of Atomic energy

VARANSAC

- **1995:** Vietnam Radiation Protection Authority (**VRPA**) was established under **MOSTE** to assist in State management of Radiation Protection and Nuclear Safety;
- **2003:** Vietnam Agency for Radiation and Nuclear Safety & Control (**VARANSAC**), the successor of the **VRPA**, has been established.



State Administrative Management in the Field of Atomic energy

VAERI

As operating organization

Vietnam Atomic Energy Research Institute (**VAERI**) is responsible for R&D in the field of atomic energy; and takes the responsibilities for radiation protection and nuclear safety in its directing sub-facilities

As technical support organization

In case of necessity, VAERI is mobilized to assist VARANSAC on performing the technical services such as calibration, personal dose monitoring, etc.

International Commitments

□ Vietnam is a party to:

- Nuclear Nonproliferation Treaty;
- Safeguards Agreement;
- Convention on Early Notification of a Nuclear Accident;
- Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency;
- Comprehensive Test Ban Treaty;
- Bangkok Treaty;
- Regional Cooperative Agreement.

International Commitments

□ Vietnam:

- Signed the Code of Conduct on the Safety and Security of Radioactive Sources;
- Informed IAEA to sign AP;
- Is studying the Convention on Nuclear Safety and the Convention of Physical Protection of Nuclear Materials.

THE ROLE OF VARANSAC IN THE OPERATION OF DNRR

- **VARANSAC is responsible for Dalat RR:**
 - Prepare completed procedure for Ministry of MOST approving the licence;
 - Ensure safety of operation of Dalat Research Reactor;
 - Regular Inspection;
 - Modification Review and Assessment: New I&C System Safety, Core Conversion (from HEU to LEU);
 - Preparing regulations for decommissioning of Dalat RR.

THE ROLE OF VARANSAC IN THE OPERATION OF DNRR

- **VARANSAC is responsible for Dalat RR:**
 - **For I&C system modification (Started in Jan. 2007)**
 - **Issued license for implementation of project on I&C system modification**
 - **Regular check on trial operation of the new I&C system (2 times)**
 - **After trial, DLNI shall submit safety assessment to VARANSAC**
 - **VARANSAC will verify the safety assessment, then issue license for operation**

THE ROLE OF VARANSAC IN THE OPERATION OF DNRR

- **VARANSAC is responsible for Dalat RR:**
 - **For the fuel conversion project**
 - **Provided advice on fuel conversion contract**
 - **Assessed the safety of the conversion**
 - **Issued license for implementation of project on fuel conversion**
 - **VARANSAC will issue export, import, and transportation licenses**
 - **VARANSAC will regularly check on trial operation of the new Fuel Assemblies**
 - **After trial, DLNI shall submit safety assessment to VARANSAC**
 - **VARANSAC will verify the safety assessment, then issue license for operation**

Thanks for your attention!

