

**Korean Peninsula Energy Development  
Organization (KEDO)  
Briefing to USNRC Commissioners**

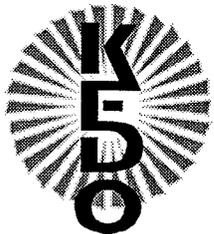
**USNRC Headquarters**

**June 13, 2000**

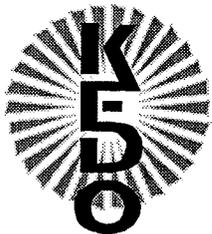
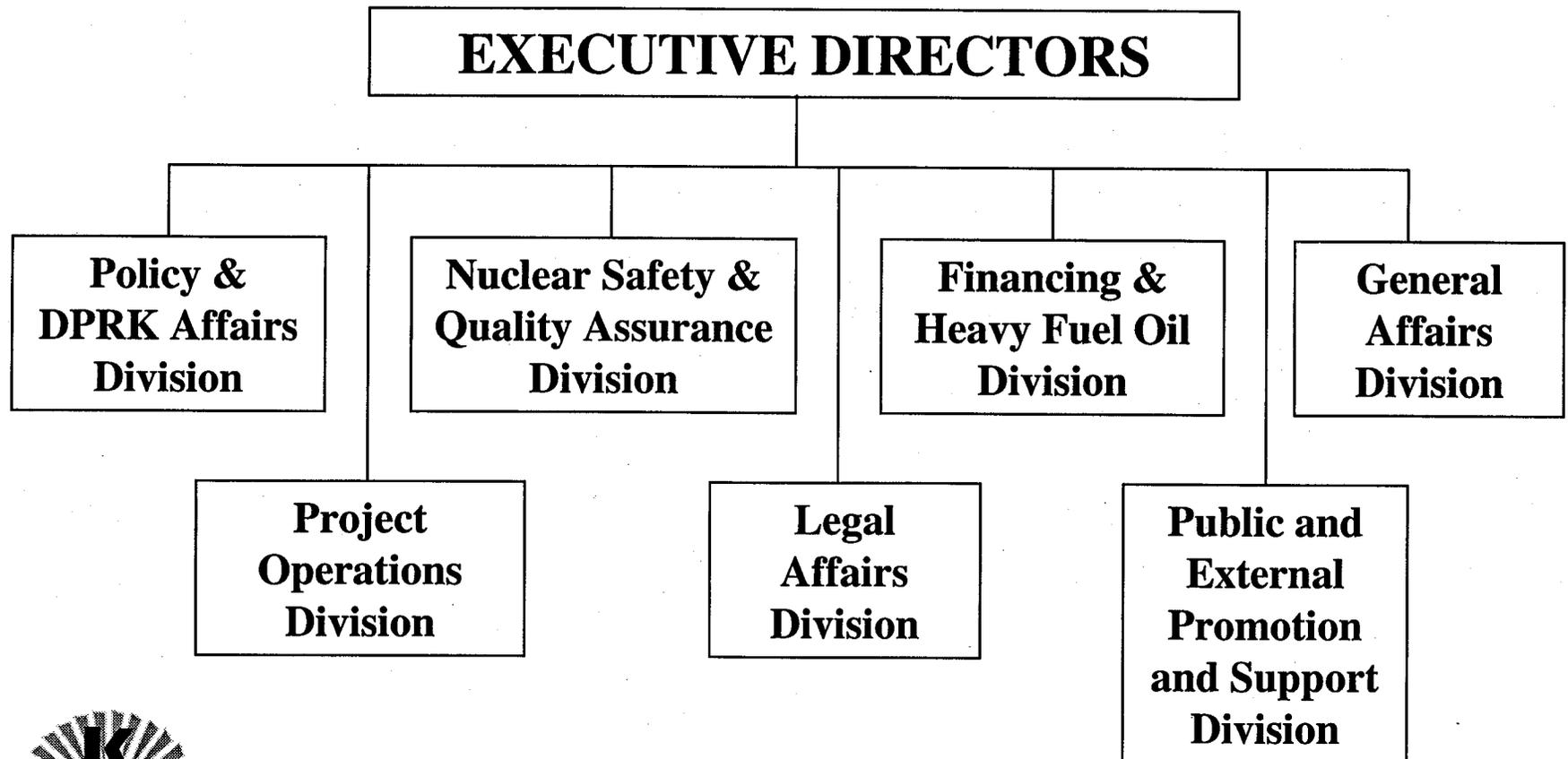


# AGREED FRAMEWORK

- **KEDO is responsible to finance and construct in the DPRK two LWRs of U.S.-origin design**
- **KEDO is responsible for providing the DPRK with 500,000 metric tons of heavy fuel oil annually until completion of the first unit**
- **The DPRK will freeze its graphite reactors and related facilities**



# ORGANIZATION OF KEDO



# **KEDO MEMBERS**

- **The Executive Board Members of KEDO:**
  - **European Atomic Energy Community, Japan, Republic of Korea, and the United States**
- **KEDO Member Governments:**
  - **Argentina, Australia, Canada, Chile, the Czech Republic, Finland, Indonesia, New Zealand, and Poland**



# **PROVISION OF NUCLEAR POWER REACTORS**

- **KEDO will provide two 1000 MWe PWRs on a turnkey basis.**
- **The reactor model will be the advanced version of U.S.-origin design and technology currently in production.**
- **The LWR project shall conform to a set of codes and standards equivalent to those of the IAEA and the U.S.**



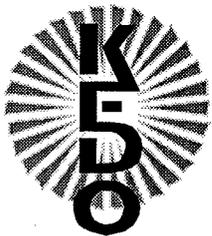
# OBLIGATIONS OF THE TWO PARTIES

- **KEDO:**
  - responsible for assuring that design, manufacture, construction, testing and commissioning of the LWR plants are in compliance with nuclear safety and regulatory codes and standards.
- **DPRK:**
  - issue the construction, commissioning and operating permits to KEDO.



# **SAFETY REVIEWS AFTER PLANT COMPLETION**

- **Both parties shall conduct safety reviews to ensure the safe operation and maintenance of the LWR plants.**
- **The DPRK owner/operator shall be responsible for the safe operation and maintenance of the LWR plants, appropriate physical protection, environmental protection and safe storage and disposal of radioactive waste, including spent fuel.**



# **KEDO's NUCLEAR SAFETY POLICY**

- **Conduct all LWR project activities in such manner that nuclear safety is accorded the highest priority**
- **Adopt fundamental nuclear safety principles and licensing practices and utilize internationally formulated guidelines**
- **Recognize the importance of openness and transparency in the conduct of nuclear safety**
- **Prime responsibility for the safety of a nuclear installation rests with the holder of the operating license**



# **ACTIVITIES IN THE WORKING PLAN**

- **Orientation Program for DPRK Regulatory Staff**
- **Meetings between the SNSRC and regulatory authorities of KEDO members**
- **Provision of codes and standards to the SNSRC**
- **Assistance to the SNSRC to obtain computer programs for audit calculations**



# **KEDO's REQUEST FOR COOPERATION WITH THE NRC**

- **Host a visit of the SNSRC to transfer regulatory information and safety culture**
- **Provide the DPRK with computer programs for audit calculations**
- **Participate in the safety reviews of the Nuclear Safety Confirmation System**

