

**ASIA-EUROPE MEETING (ASEM) SEMINAR ON NUCLEAR SAFETY III**  
*Effectiveness, Transparency, and Sustainability Elements of Nuclear Safety*  
Yogyakarta, 4-6 November 2014  
Revision: 12 September 2014

**CONCEPT PAPER**  
(revision: 16 September 2014)

## **1. Background**

In light of Fukushima accident, many lessons can be learnt, especially the need of continuous improvement on the national infrastructure on nuclear safety, including legal and regulatory framework, independent regulatory body, leadership and management, and human resources. It is essential to ensure that nuclear safety infrastructure is effective, transparent, and sustainable.

In order to achieve an effective nuclear safety infrastructure, the government shall establish the required national infrastructure. Among others, the government shall ensure the effective independence of regulatory body. To maintain safety in the operational level, the operators shall establish integrated management system, including undertaking periodic safety review. In addition, international co-operation should be able to enhance nuclear safety infrastructure. Particularly, regional networking of emergency preparedness shall be encouraged in anticipating the transboundary nature of nuclear accidents.

An effective of nuclear safety infrastructure shall be implemented in transparent manner. The government shall enhance the communication with all stakeholders, including the public. Furthermore, the government shall endeavour at being transparent on nuclear safety issues. International peer review missions, normally undertaken by the IAEA at the request of a Member State, can be used to strengthen the transparency elements on nuclear safety.

A transparent and effective nuclear safety infrastructure shall be sustained over the long term. Nuclear safety can be sustained through the nourishment of safety culture as the core values and behaviours of leaders and individuals that prioritise safety over competing goals to ensure protection of people and the environment. The implementation of integrated management system will further strengthen the sustainability by conducting self-assessment and independent assessment regularly for continuous improvement. Furthermore, the government needs to establish a robust human resource development programme which anticipates various phases of nuclear installations in the future.

## **2. Objective**

The main objectives of the ASEM Seminar on Nuclear Safety III are to initiate discussions on nuclear safety and to foster Asia-Europe capacity-building and co-operation in nuclear safety. It is proposed to focus on identifying important elements of effectiveness, transparency, and sustainability of nuclear safety infrastructure, both at national and international levels.

### **3. Format and topics of discussions**

The ASEM members and invited speakers are expected to deliver presentations on the following proposed plenary sessions:

1. Session I: Effectiveness Element for Nuclear Safety
  - a. Independence of Regulatory Body/Interface between Regulators and Operators
  - b. Periodic Safety Review/Safety Reassessment
  - c. International Co-operation
  - d. Regional Networking of Emergency Preparedness
2. Session II: Transparency Element for Nuclear Safety
  - a. Public Communication and Transparency on Nuclear Safety Issues
  - b. Interface between Regulators and Operators
  - c. International Peer Review Missions
3. Session III: Sustainability Element for Nuclear Safety
  - a. Integrated Management System
  - b. Safety Culture
  - c. Human Resource Development
4. Session IV: Working discussion, where it is led by a chair to draft the summary of the discussions in session I, II, and III.
5. The closing session: The chief organiser of the seminar will be invited to present the summary of the discussions.

The proposed agenda/programme for the Seminar is at Annex.

### **4. Participations**

- 4.1. Participation is open to all 51 ASEM Partners, ASEM currently has 51 partners: 49 countries and 2 international organizations. The partners are Australia, Austria, Bangladesh, Belgium, Brunei Darussalam, Bulgaria, Cambodia, China, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, India, Indonesia, Ireland, Italy, Japan, Republic of Korea, Laos, Latvia, Lithuania, Luxembourg, Malaysia, Malta, Mongolia, Myanmar, the Netherlands, New Zealand, Norway, Pakistan, the Philippines, Poland, Portugal, Romania, Russia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, the United Kingdom, Viet Nam, the European Commission and the ASEAN Secretariat.
- 4.2. The Seminar is targeted at the following persons:
  - a. senior policymakers or operational experts from relevant ministries
  - b. experts from academia or think-tanks;
  - c. experts from the nuclear industry; and
  - d. experts from relevant International Organisations dealing with nuclear safety (e.g. IAEA, CTBTO, WANO, ASEANTOM, etc)
- 4.3. ASEM Partners are invited to send up to three (3) delegates to the Seminar.

## 5. Venue and dates

The seminar will be held in Yogyakarta, Indonesia from 4-6 November 2014. The exact venue for the seminar will be confirmed at a later date.

## 6. Costs

As host, Indonesia will bear the costs of local conference and hospitality event. Participating ASEM Partners are requested to cover the cost of travel and accommodation for their respective Delegates. Indonesia will extend the necessary assistance in making hotel reservations.

## 7. Contacts

For further enquiries, please contact the following:

- 1) For matters relating to the programme/agenda:

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