

## ACTION PLAN

### ASEAN NETWORK OF REGULATORY BODIES ON ATOMIC ENERGY (ASEANTOM)

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August 4<sup>th</sup>, 2013

Action plan of ASEAN Network of Regulatory Bodies on Atomic Energy (ASEANTOM) was developed during the 1<sup>st</sup> Meeting of ASEAN Network of Regulatory Bodies on Atomic Energy (ASEANTOM), 2-5 September 2013, Phuket, Thailand. Participants of the meeting consisted of delegates from nine countries of ASEAN Member States (AMS). One AMS who could not attend the meeting was Brunei Darussalam.

During the meeting, the AMS proposed 22 fields of activity for the ASEANTOM. Corresponding activities for each field were proposed, and host country to organize the activity was designated on volunteer basis. Six major fields of activity have been selected as priority. Due to limited time for preparation for the activities, two topics will be organized in 2015. Four activities are selected to conduct in 2014 include; 1) Nuclear regulation establishment and national regulatory and legal frameworks in ASEAN, 2) Radiation environmental monitoring and transport models, 3) Experience sharing from EURATOM, and 4) Radiation detection techniques and maintenance of instruments. Two activities proposed to be organized in year 2015 include; 1) Emergency Preparedness and Response and 2) Nuclear and radioactive materials transport safety and security. The activities planned for 2014 and 2015 are listed in Table 1. All of fields and activities proposed by AMS are listed in Table 2.

**Table 1 Action plan for 2014 - 2015**

<b>Year</b>	<b>Field</b>	<b>Activity</b>	<b>Country proposed</b>	<b>Host</b>
2014	Annual meeting of ASEANTOM			Thailand (or, between GC meeting)
	Nuclear regulation establishment, and National regulatory and legal frameworks in ASEAN: current and future	- Technical visit to AELB to see e-licensing and enforcement systems - Bilateral discussion with EURATOM and existing network	Indonesia and Malaysia	Malaysia
	Radiation environment monitoring and transport models	- Meeting (begins data exchange, share capability of each country) - Collaborate with EU (INSC)	Thailand and Vietnam	Thailand
	Experience sharing from EURATOM	Bilateral discussion with EURATOM and existing network	Singapore	Singapore
	Radiation detection techniques and maintenance of instruments	Regional training courses or workshops	IAEA	TBD
2015	Annual meeting of ASEANTOM			TBD
	Emergency Preparedness and Response (proposed by Indonesia)	- Table top exercise - TBD	Indonesia	TBD
	Nuclear and radioactive materials transport safety and security (IAEA)	Regional training course or WS	IAEA	TBD

Note: TBD = To be determined

**Table 2 List of all proposed fields and activities for ASEANTOM action plan from AMS**

<b>Scope</b>	<b>Field</b>	<b>Activity</b>	<b>Proposed Country</b>
1. Sharing of best practices and exchange of experiences in regulating nuclear and radioactive materials and related activities and technologies	Radiation environment monitoring	- Meeting - Training	Thailand
	Emergency Preparedness and Response Exercise	Table top exercise	Indonesia
	Nuclear regulation establishment	Workshop on experiences of regulatory framework of nuclear installation	Indonesia
	Safety management of radioactive waste		Vietnam
	Regulation and processing of license and QMS using IT processing computer system	WS on experience of processing activities	Malaysia
	Radiation detection techniques and maintenance of instruments	Train the trainer, joint table top exercise (with possibility of funding)	IAEA
	Nuclear and radioactive materials transport safety and security	Regional training WS	IAEA
	Radiation detection architecture (security purpose)	Regional and national WS Awareness WS	IAEA
	Dismantleing and decommissioning of nuclear facilities	WS	Philippines

<b>Scope</b>	<b>Field</b>	<b>Activity</b>	<b>Proposed Country</b>
	Siting disposal of radioactive waste	Regional WS	Philippines
	Movement of scrap metal and unregulated radioactive materials	Regional WS	Philippines
	Security management and security plan on rad. materials and associated facilities	Regional and national WS	IAEA
	Physical protection of nuclear materials and nuclear facilities	Regional WS	IAEA
	Nuclear security culture	Regional WS	IAEA
	Spent nuclear fuel management	Information sharing	Thailand
	Radiation detection at border (airport and megaport)	Regional WS	Cambodia
	Share experience on prepararion for first NPP from Vietnam	Meeting, Seminar	Singapore
2. Capacity building by focusing on human resources development through training courses and technical collaboration	Nuclear safety assessment	WS on neutronics calculation (MCNP, etc.)	Indonesia
	Public awareness	Caravan WS	Malaysia
3. Assisting Member States to further implement and adhere to the IAEA			

<b>Scope</b>	<b>Field</b>	<b>Activity</b>	<b>Proposed Country</b>
standards and guidelines at the regional level, especially on cross-border transfer of nuclear and radioactive materials and related activities and technologies			
4. Mutual exchange of information as confidence building measures on nuclear activities in each country to promote transparency in safe, secure, and peaceful uses of nuclear energy within the region	Regulatory and legal framework in ASEAN (for both nuclear installation and radioactive materials)	WS, share/visit AELB to see E-licensing	Malaysia
5. Drawing on expertise and resources from ASEAN's Dialogue Partners, other external parties, regional and international organisations, as well as other relevant bodies and networks	Experience sharing from EURATOM	Technical visit Euratom	Singapore

Note: WS = Workshops