

## National reports: Review results

Argentina, Indonesia, Vietnam, Ukraine

Subject/country	<b>Argentina</b> (3 RRs + 2 CF)	<b>Indonesia</b> (3 RRs)	<b>Vietnam</b> (1 RR)	<b>Ukraine</b> (2 RRs)
Legal / regulatory framework	Yes. Act. No 24804/1997	Yes. Act. No. 10/1997; and Gov. Reg. 43/2006	Yes. Law No. 18/2008/QH12	Yes. Legal basis are sufficiently available
Regulatory independence	Yes. National Board on Nuclear Regulation (ENREN, 1994) reports directly to the President of Argentina.	Yes. Nuclear Energy Regulatory Agency (BAPETEN, 1998) reports directly to the President of Indonesia	No. Both VARANS (Reg. Body) and VAEC (Oprtg Organization) report to the same ministry, i.e. Ministry of Science and Technology.	Yes. State Nuclear Regulatory Committee of Ukraine (1993) reports directly to the Cabinet of Ministry.
Licensing / authorization	Yes. Operation of all RRs and Critical Facilities is licensed by ENREN	Yes. Operation of all RRs is licensed by BAPETEN.	Yes. Operation of RR is licensed by VARANS	Yes. RRs are licensed for operation and decommissioning

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Decommissioning Planning/implementation	Yes. Preliminary decomm. plans for RRs are exist and Decom. Plan for RA-1 is in progress, and not approved yet.	Yes. Preliminary decomm. Plans are available as part of their SAR (Chapter 19).	No. Preliminary Plan is being prepared, and expected to finish by the end of 2010.	Yes. Decom. Concept is prepared in 2001. Decom. Program (2009) is being reviewed by RB
Decommissioning costs / funding	No. Cost calculation has not been done yet. Funding is provided by government.	No. Cost calculations has not been done yet.. Funding is provided by the government.	No, but it is in progress (to be finished in 2010) Funding is provided by the government.	No. Cost estimation is in progress. Funding is provided by the government
Issues / challenges	- Develop different technique (i.g. cutting) and decommissioning of small facilities.	- Lack of skill and knowledg in preparing and performing decommissioning . - Ageing of manpower.	- Develop human resources (training course on decommissioning will be done for staff)	- Characterization - Dismantling design - SAR and EIA

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Progress / achievements	<ul style="list-style-type: none"> <li>- Dismantling of RA-2 Critical Facility</li> <li>- Dismantling of internal part of the tank of RA-3. Small facilities.</li> </ul>	<ul style="list-style-type: none"> <li>- All regulations relevant to decomissioning have been set up.</li> <li>- National team for decommissioning of RRs has been prepared.</li> </ul>	<ul style="list-style-type: none"> <li>- Project for Decom.. Prelim. Plan has been approved by the Minister of Science and Technology.</li> </ul>	Decommissioning plan for WWR-M has been submitted to and is being reviewed by the RB.
Remarks	Share activities with other countries in the region.			Experience of decommissioning planning for WWR-M will be used for other nuclear installations in the country.

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