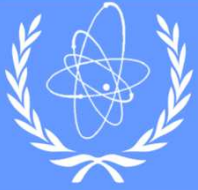




Overview of Regional Networks for Transport Safety

May 2016

Transport Safety Unit
Regulatory Infrastructure and Transport Safety Section
Division of Radiation, Transport and Waste Safety
Department of Nuclear Safety and Security
International Atomic Energy Agency



Transport of RAM at IAEA

END



- **Core mandate for Transport Safety Unit of IAEA**
 - TRANSSC
 - Assist MS in implementing legislation
- **Future directions of activities**
 - Development of regional networks
 - Training tailored to needs of CAs



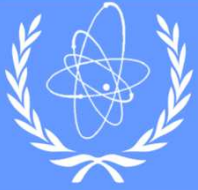


Why networks

END



- **Transboundary activity**
 - For transport: mined, processed, used in different countries, radiopharmaceuticals, industrial sources
 - Use of packages: design, manufacture, approval, use in different countries
- **Increased use:**
 - In EU: a third of Nuclear Medicine procedures compared to USA
 - In Asia from 2008 to 2010 increased x5 fold
 - In Eastern Europe and Northern Asia for Positron Emission Tomography (PET) increased x20 fold



Why networks

END



- **Shortage of staff and resources in Regulatory Bodies**
- **Increase regulatory infrastructure**
 - *regulator oversight capacity*
- **Many Member States cannot provide the necessary regulator oversight alone**





Overview

END



- The **General Conference** of the IAEA instructed the IAEA's Secretariat to encourage and promote the creation of regional networks
- Several of these networks are currently being put in place, notably in Africa, Mediterranean, Asia, the Pacific Islands, the Caribbean, and the Americas
- An existing network, the European Association of Competent Authorities, which was formed in 2008 brings together the CAs of the European Union



Objectives

END



- **Co-operation, on a regional and trading partner basis, between Competent Authorities** of participating MS towards a coherent (harmonised) interpretation and implementation of the transport regulatory requirements for radioactive material
- **Develop and exchange common practices/documents** to achieve a safe, effective and sustainable regulatory infrastructure for the transport of radioactive material
- **Any other activities** that MS wish to undertake (for example common Emergency Exercises or common inspection activities)
- **Interface with other regional networks**





Existing Networks

END



African Network

Botswana, Burkina Faso, Cameroon, Côte d'Ivoire, Ethiopia, Gabon, Ghana, Kenya, Madagascar, Malawi, Mauritius, Morocco, Namibia, Niger, Nigeria, Soudan, South Africa, Tanzania, Zambia, Zimbabwe

Mediterranean Network

EUROPE: Albania, Bosnia-Herzegovina, Croatia, FYROM, Greece, Malta, Montenegro, Portugal, Serbia, Slovenia, Turkey

ASIA: Jordan, Lebanon, Syria

AFRICA: Algeria, Egypt, Morocco, Tunisia



Asian Network

Afghanistan, Bahrain, Bangladesh, Cambodia, China, Indonesia, Islamic Republic of Iran, Iraq, Jordan, Kuwait, Lao P.D.R., Lebanon, Malaysia, Mongolia, Myanmar, Nepal, Oman, Pakistan, Philippines, Qatar, Sri Lanka, Syrian Arab Republic, Thailand, T.T.U.T.J of T. Palestinian A., Vietnam, Yemen

Website: <https://gnssn.iaea.org/Pages/TransportNetworks.aspx>

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Existing Networks



Pacific Islands

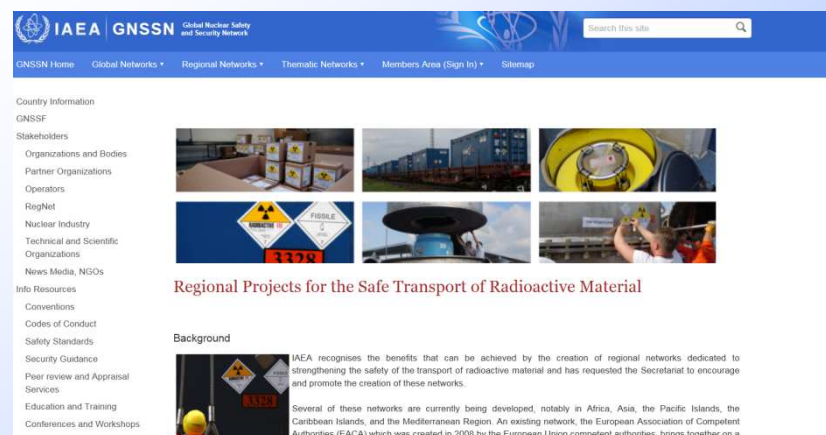
Fiji, Marshall Islands, Papua New Guinea, New Zealand, Palau, Tonga, Vanuatu Non-member states: **Cook Islands, Solomon Islands, Kiribati, Tuvalu**

Caribbean Region

Member, non-member States and Territories

Americas

North America, South and Latin America



Website: <https://gnsn.iaea.org/Pages/TransportNetworks.aspx>

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Examples of Existing Networks

END



- **In the European Union**

EACA: European Association of Competent Authorities

Nearly all CAs of EU members states plus Norway and Switzerland (23 members)

- **In Africa- Middle East region**

ANNuR: Arab Network of Nuclear Regulators

FNRBA: Forum of Nuclear Regulatory Bodies in Africa

- **Russia and the former Soviet Republics**

*Commonwealth of Independent States**

**Transport network currently under development*



Opportunities for Collaboration on Transport

END



Existing networks could help in fostering the RAM networks:

- **Caribbean Community (CARICOM)** <http://www.caricom.org/>

Organization of Caribbean nations

- **Pacific Island Forum** <http://www.forumsec.org/>

Organization of Independent Countries in the Pacific Ocean

- **Common Market of the South (Mercosur)** <http://www.mercosur.int/>

Composed of: Argentina; Brazil; Paraguay; Uruguay; and Venezuela

- **Union for the Mediterranean** <http://ufmsecretariat.org/>

“A multilateral partnership aiming at increasing the potential for regional integration...”



Collaborative network approach

END



- There are many Member States who cannot provide necessary regulatory safety oversight alone
- Regional networks provides a means to collaborate and collectively provide the appropriate regulatory oversight
- The advantage of this strategic approach is recognised in Europe – which is a mature region
- Each Member State should have the ambitions to meet the IAEA Safety Standards to a level appropriate to the needs
- Transport is an international network activity – therefore the regulatory oversight of safety can be regionally and/or trading partners based
- Requires mutual respect, confidence and trust



Questions?

END



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