RegNet Development

The Global Nuclear Safety and Security Network Steering Committee Meeting
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Adriana Nicic,
Section Head, Regulatory Activities
NSNI
Overview

• Background

• Status of RegNet enhancement project

• Next steps
Background

• The **International Regulatory Network (RegNet)** is a portal for web-based international cooperation among nuclear safety and security regulators, designed to further strengthening regulatory networking

• RegNet is an information and collaboration platform within the **Global Nuclear Safety and Security Network (GNSSN)**

• Initially developed in Oct. 2008
Background

• During the TM on the Establishment of the RegNet (24 – 28 Nov. 2008), the following topics were considered to be included: safety, security, radiation, waste, transport, and emergency

• Initially, limited extra-budgetary contributions were provided for the development of some parts of RegNet (IRRS, embarking countries, RCF)

• Currently, there are no dedicated resources for the enhancement and maintenance of RegNet
RegNet Enhancement Project

**Project goal:** Review and revise RegNet, to enhance the portal’s performance and functionality

The purpose of the project is to develop a new version of RegNet that:

- Provides for logical / technically sound structure
- Provides room for additional technical areas
- Facilitates networking and information sharing
- Is consistent with the IAEA visual brand of public-facing websites
RegNet Enhancement Project

Project scope:

- RegNet website and subsites, including public and restricted domains
- Development of guidelines and strategies for content management and development

User(s) and other stakeholders:

- Regulators
- Department of Nuclear Safety and Security: IEC, NSOC, NSNS, NSRW, NSNI-RAS and SAS
- Others: IAEA Staff, TSOs, Licensees, partners and general public, etc.
RegNet Enhancement Project

**Content:** Revise, add, update or delete content, as appropriate (outdated publications, video-presentations, images, links, etc.)

**Structure:** Review structure flow and logic, following sound technical basis

**Design:** Propose alternative designs, harmonizing RegNet’s “feel and look” across the website, while maintaining visual coherence with IAEA portals (IAEA.org and GNSSN)
Project Approach

IT Development:

- Portal is being designed using Adobe Muse
- Portal is being developed on SharePoint 2013

Phases:

1. Development of public domains
2. Development restricted domains
3. Development of guidelines and strategies for content development and maintenance
Project Overview

Review and upgrade public and restricted domains:

- Group or rearrange domains / subsites and propose alternative content structure (e.g. networks)
- Create, delete or remove domains, subsites or pages

- 11 Public and 17 Restricted domains
- 274 Items (subsites, etc.)

- Harmonize RegNet’s “look and feel” with respect to the IAEA public-facing web sites
Project Overview

• Review and upgrade public and restricted domains:
  ▪ Group or rearrange domains / subsites and propose alternative content structure (e.g. networks)
  ▪ Create, delete or remove domains, subsites or pages
  ▪ Harmonize RegNet’s “look and feel” with respect to the IAEA public-facing web sites
Welcome to the Regulatory Cooperation Forum

Integrated Regulatory Review Service (IRRS)

The International Atomic Energy Agency (IAEA) Integrated Regulatory Review Service (IRRS) is a peer review service designed to strengthen and enhance the effectiveness of national regulatory infrastructure for nuclear, radiation, radioactive waste and transport safety and the security of radioactive sources whilst recognizing the ultimate responsibility of each state to ensure safety in these areas. The IRRS process sets out to accomplish this expressed purpose through consideration of both technical and policy issues of a regulatory nature against IAEA safety standards and where appropriate, good practice elsewhere.

Quick Links

- How to request IRRS
- Related Publications and Documents
- Self-Assessment
- FAQ

News on IRRS

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RegNet Proposed Structure – Public Domains

- About RegNet
- Networks
  - Theme: RCF
    - Thematic: RCF
    - Regional: SMR
    - NNRP: WWER, CANDU
  - Peer Review Services
    - IRRS
    - EPREV
    - INSServ
- Embarking Countries
- Regulatory Framework
- Site Content
  - RCM
  - Authorization
  - Review and Assessment
  - Inspection
  - Enforcement
  - Steering Committee
New face of RegNet

About RegNet

Definition

The International Regulatory Network is the Portal for web-based international cooperation among nuclear safety and security regulators. RegNet supports national and international actors in sharing of regulatory knowledge, practices and information and in fostering collaboration on nuclear safety and security matters.
Many countries without nuclear power plants are expressing interest for nuclear power. Safety is one of the prerequisites for such development. Newcomers should, therefore, timely launch a comprehensive process in order to develop a suitable nuclear safety infrastructure and ensure that their nuclear power programme fully complies with international safety standards.

Crucial to the long term success of a nuclear energy programme is the establishment of an independent and competent regulatory body. The confidence of the public and the international community depends to a large extent on effective regulation. The need for a competent and effective regulatory body must, therefore, be understood and given highest priority.

Requests for assistance for strengthening the regulatory capabilities of countries embarking on nuclear power have significantly increased and the means to provide this assistance has become more distributed through a variety of delivery mechanisms.

The IAEA Safety Guide SSG-16 provides a road map for applying the IAEA Safety Standards during the three phases of a nuclear power programme development.

The Safety Packages based on SSG-16 outline 11 Thematic Modules, following and merging the 20 elements outlined in the guide. Each module can be applied through training workshops. A comprehensive catalogue of workshops, including their scope and syllabus has been developed and has been included as part of the safety package for Module 1- Legal Governmental and Regulatory Framework for Safety. The workshops are in different stages of development.
RegNet Proposed Structure – Restricted Domains

- RegNet Meetings
- Embarking Countries
- National Nuclear Regulatory Portal (NNRP)
- SMR Regulators’ Forum
- Integrated Regulatory Review Service (IRRS)
- Steer. Comm. on Comp. of HR for RB
- Regulatory Cooperation Forum (RCF)

Restricted / Members Domains
Next Steps

• Complete stakeholders’ consultation – 5 June 2017 and address their comments

• Finalise the public domains and release them

• Proceed with the next phases of the project for the restricted domains and development of guidelines

• Explore possibilities for securing extra-budgetary resources for maintaining and further enhancing RegNet

• **Sustainability of RegNet is a major concern!**