

Worldwide Nuclear Industry

The Importance of Enhancing Worldwide Industry Cooperation in RP, WM and Decommissioning

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What is the World Nuclear Association:WNA?

The trade association of the global nuclear industry with a worldwide membership

- Based in London, UK
- Web-site: <http://www.world-nuclear.org>



Our membership makes us unique, global and truly representative

- Over 150 industry enterprises from over 30 countries
- Over 90% of the worldwide uranium production and of nuclear power generation



What the WNA does?

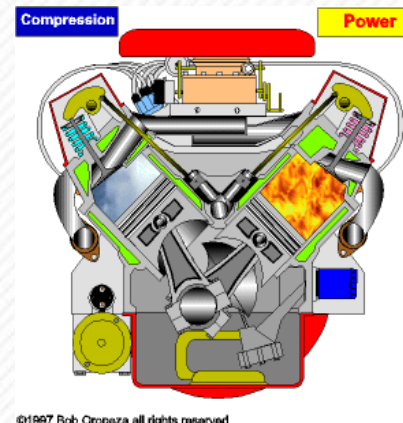
WNA supports the global nuclear industry

- Coordinates ongoing industry forums – Working Groups
- Acts in the international arena

WNA supports ten Working Groups (WGs)

- Consists of industry experts from around the world

The WNA's engine
is the WGs!



WNA Approach to Enhancing Industry Cooperation

As manifested through two WNA WGs on:

- Radiological Protection (RP)
- Waste Management and Decommissioning (WM&D)
- RPWG and WM&DWG each consists of over 40 industry experts from around the world

What do you gain from this approach?



The overall benefit for the industry is to maximize its:

- Knowledge of and impact on international and national debates
- Use of global industry's knowledge and expertise

What's the problem?



Nuclear power is ramping-up after a long period of stagnation

There is a shortage in the population of mid-career nuclear professionals

This shortage is even more pronounced in some specific expertise areas such as RP and WM&D

What's the problem?

Experts in these areas are either:

- Loaded with day-to-day responsibilities, thus leaving very limited time for extra activities, or
- Too few of them hold job functions that facilitate key forward-looking activities (e.g. policy review)

Are you familiar with this kind of situation?

Industry cooperation is the key



To helping the global industry get around this shortage of available expertise

The working model is simple:

It is about sharing the burden of providing industry expertise to constructively tackle common key issues that the industry is facing

Industry cooperation is the key

No need to have the whole pool of experts involved at the same time in every single case

It is rather to establish a cooperative mode of developing and putting forward the industry case on key common issues

How this industry cooperation works

RPWG and WM&DWG each serve as a global industry expert forum for:

- Exchanging/sharing info, and analysing data/issues
- Developing views/positions/strategies that are implemented to advocate the industry case
- Coordinating the representation of the worldwide nuclear industry interests in key international forums

How this industry cooperation works

Develop strong, clearly stated industry views and positions on key topics in order to:

- Establish industry clarity on complicated issues
- Equip the nuclear industry and national associations
- Enhance the global industry's credibility and impact in international forums

Key examples: Common issues to tackle

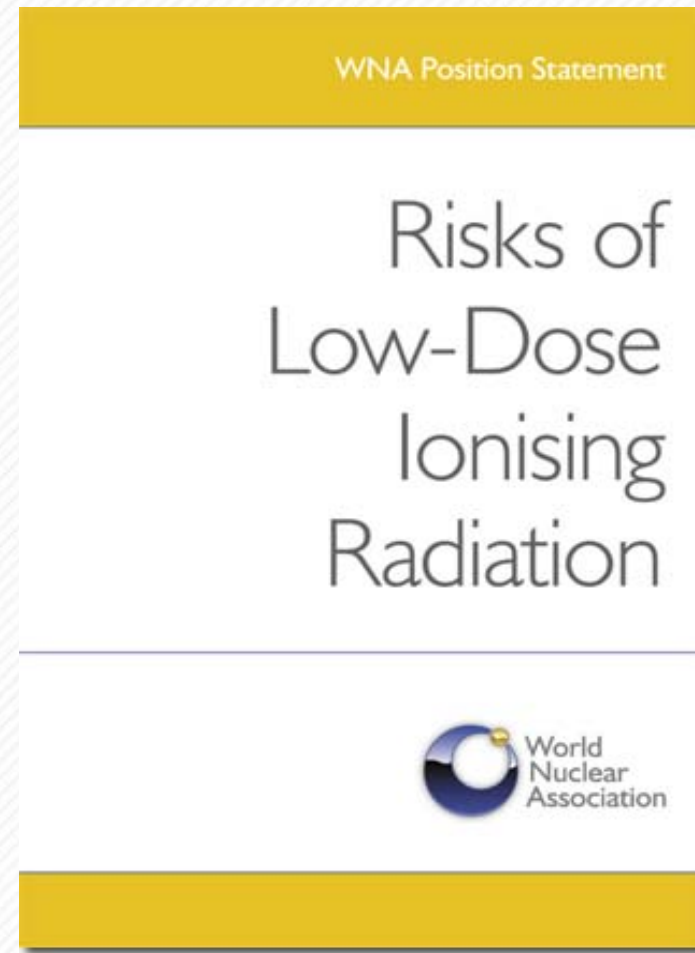
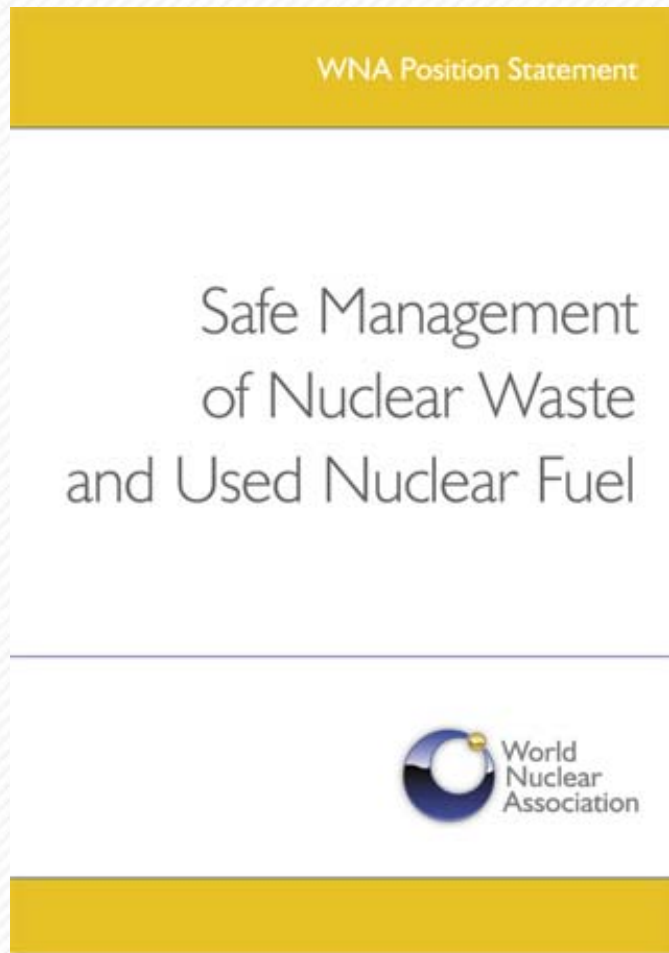
- 1) IAEA's on-going revision of its Basic Safety Standards
- 2) ICRP's evolving draft proposal on the revision of its international RP recommendations
- 3) Decommissioning and the concepts of exclusion, exemption and clearance
- 4) Public support for the safe management of nuclear waste and used nuclear fuel
- 5) RP of the environment, including the emerging topic of the RP of animals and plants

Key examples: Views and positions

- 1) WNA views on the on-going revision of the IAEA Basic Safety Standards (BSS)
- 2) WNA views on the evolving draft proposals of the ICRP's next recommendations and supporting works
- 3) WNA WG Position Statement on Removal of Material Containing Radioactivity - Exemption and Clearance
- 4) WNA Key Messages on *RP of the Environment*

Publicly available: <http://www.world-nuclear.org>

Examples: WNA's Position Statements



Examples: Global nuclear industry representation in key international forums

IAEA, ICRP, OECD/NEA



WNA acts as the global industry's unified voice in deliberations that shape policies/standards which govern our industry activities

In particular, WNA participates in IAEA Standard Committees on:

- Radiation Safety (RASSC), Waste Safety (WASSC), Nuclear Safety (NUSSC)

Example: WNA participatory role in IAEA: RASSC, WASSC and NUSSC

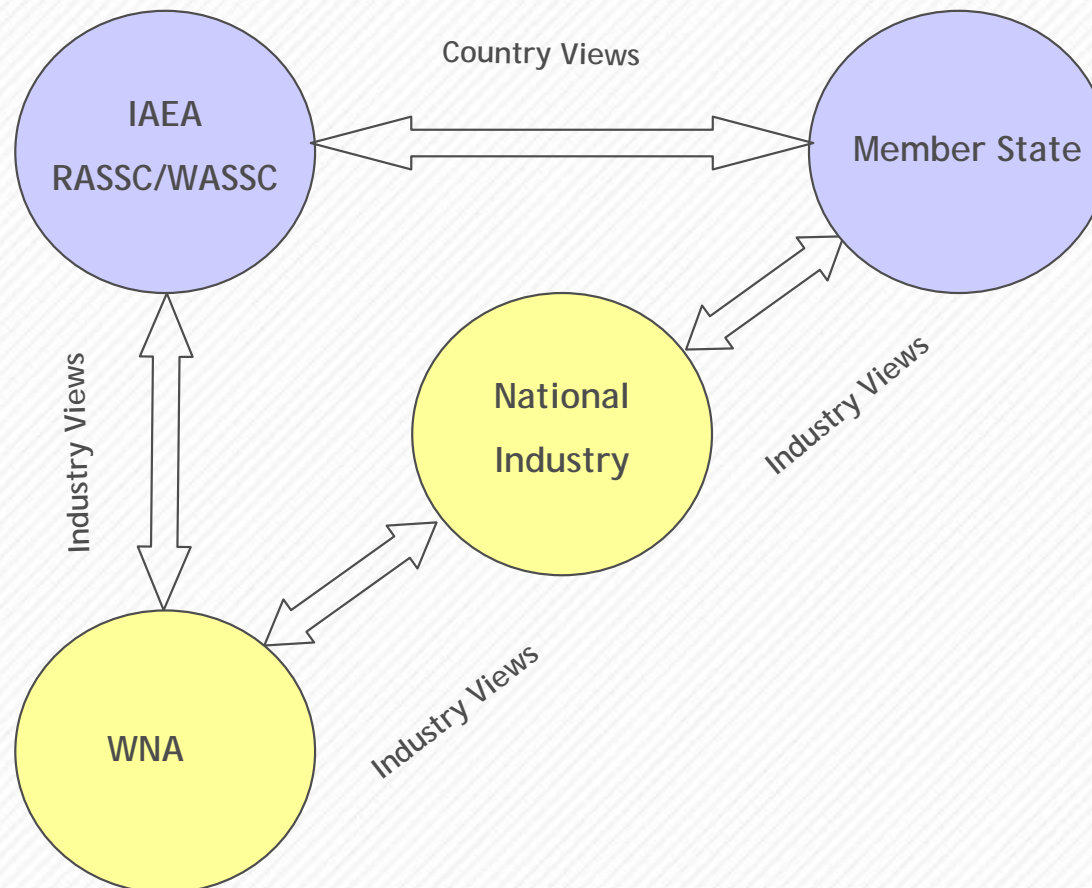
Provides a means for the nuclear industry to gain direct access to information on standard development

Enables industry to inform itself earlier and to provide input into the deliberations through the WNA voice

Nationally, it is equally important that the nuclear industry has an exchange of views with governments

Example: WNA participatory role in IAEA: RASSC, WASSC and NUSSC

WNA and national industry involvement in deliberations



WNA approach to building and enhancing industry cooperation - Already a success

It is already well established and is being manifested through important activities

Nuclear operators clearly see the benefits of pooling the available industry experts for common causes

Correspondingly, the number of industry experts in the WNA WGs is steadily increasing and strengthening

Going further with industry cooperation

Let's start with the existing regional/country industry cooperation

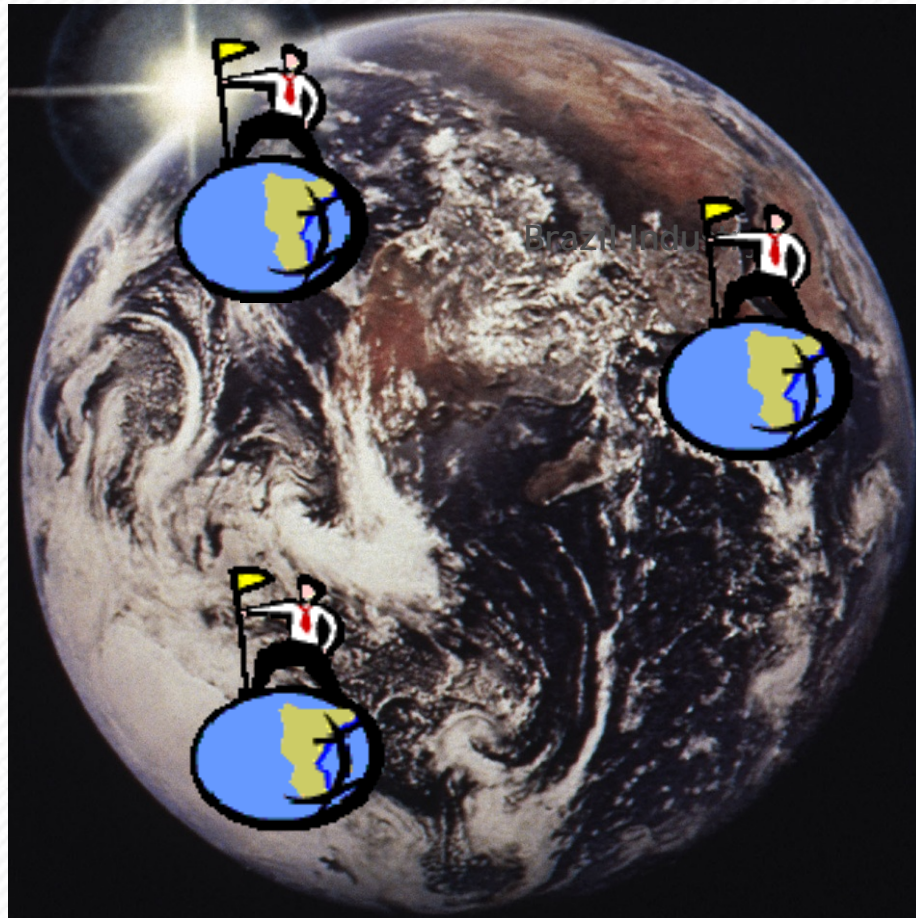
Enhance it (reciprocally) by becoming part of the WNA global industry's cooperation

The basic model is simple:

For each world region or country, a few key industry experts, who are leaders, would join the WNA WGs

Going further with industry cooperation

WNA- The global nuclear industry forum for cooperation



The added value of “industry regional/country cooperation” ...

as part of the “industry worldwide cooperation”

is a recognized approach by the IAEA, which promotes it for its Member States

Why should you get involved?



The move towards the globalization of standards is underway and will intensify

There is a good chance that standards will be developed without your involvement

As a single company, what are the chances of impacting on the international deliberations?

Why should you get involved?

The overall aim is to improve the control regime of international safety standards

Gaining a good understanding of the proposed changes is key for operators

Your experts will have an opportunity to contribute to this endeavour

What do you gain from this?



Take Home Message...

The overall benefit for the industry is to maximize its:

- Knowledge of and impact on international and national debates
- Use of the worldwide industry's knowledge and expertise

We encourage key industry experts to become members of the WNA WGs



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- Thank you for your attention
 - Questions ?
 - Contacting us: <http://www.world-nuclear.org>

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