

LEADING NUCLEAR SAFETY AND RADIATION PROTECTION EXPERT ASSESSMENT IN FRANCE

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International Conference on Challenges Faced by Technical and Scientific
Support Organizations (TSOs) in Enhancing Nuclear Safety and Security:
Ensuring Effective and Sustainable Expertise

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- Roles of the nuclear Regulatory Body and the TSO
- ASN-IRSN relationship framework
- Key challenges in the relationship
- RB-TSO cooperation improvement at international level?

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Key figures (2017)

Regulatory body

*Autorité de sûreté nucléaire
(ASN)*

→ Control & decision making

500 employees
84 M€ budget

TSO

*Institut de radioprotection et de
sûreté nucléaire (IRSN)*

→ Research & Expert
assessment

1,700 employees
216 M€ budget

400 employees
85 M€

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- A red arrow originates from the bottom of the TSO box, specifically pointing towards the highlighted 400 employees and 85 M€ figure, and extends horizontally to the left before pointing vertically upwards towards the ASN box.
- 500 opinions and reports
 - Participation in 300 inspections (over 1,800 led by ASN)
 - Providing reports for 13 meetings of Advisory Committees of Experts
 - Providing support for 6 national emergency drills

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A comprehensive set of agreement documents

Annual protocol:
defining priorities and means (human and financial)

**5-year
general
agreement**

Framework
documents:

Communication

Expert
assessment

Radioactive
material
transport

Inspections

International
issues
...

Coordination meetings

2+2 meetings

- DGs, President, Chairman of the board

Seminars

- Strategic issues

Safety assessment analysis group

- Topical meetings to prepare a general meeting
- Deadlines, priorities and difficulties

High level committee meetings

- Common actions

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Appraising expert assessments

- Case by case feedback
 - Common evaluation criteria (deadlines, technical quality, quality of communication during the expert assessment...)
- Auditing ASN-IRSN agreement implementation
 - IRRS mission recommendation (2014)
 - 1st audit in 2014 focused on power reactors
 - Recommendations about meeting deadlines, improving communication during and after the assessment, compliance with professional ethics requirements...



Room for improvement

- Relationships with other stakeholders
 - Managing emergency situations:
 - ASN provides advice to local authorities
 - ASN uses IRSN technical support
 - Improving coordination in ASN's and IRSN's mission to inform the public
- Gaining efficiency to face new challenges
 - Limiting the scope of expert assessment to the most technical issues
 - Preserving ASN's capacity to make informed decisions
 - Identifying key competences

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Improving cooperation at international level

- Reinforcing WENRA-ETSON cooperation
 - WENRA gathers regulators and acts as an association on safety issues in close cooperation with ENSREG (TPR, Article 8 of directive 2014, etc..).
 - Cooperation needed with ETSON to provide WENRA on request with technical expertise.
- Goals of this cooperation :
 - Gaining efficiency,
 - Harmonizing policies at European level,
 - Improving legitimacy and credibility of both RB and TSOs



Any questions?

