



IRRS MISSION – French Experience



by

J. C. NIEL

Director General
of ASN



France IRRS mission

Requested in 2005

Performed from 5 to 17 November 2006

The IRRS Team :

- 15 experts from other Regulatory Authorities,
- 2 observers who supervised the process in the view to get an IRRS mission in their own countries
- 6 IAEA staff members to coordinate the IRRS Team.



France IRRS mission

INTERNATIONAL EXPERTS	
1. Len CRESWELL (Team Leader)	Nuclear Installation Inspectorate (NII), UK
2. Andrew MCEWAN (Deputy Team Leader)	NEW ZEALAND
3. Kiyoharu ABE	Nuclear and Industrial Safety Agency (NISA), JAPAN
4. Bruce BOGER	US Nuclear Regulatory Commission (USNRC), USA
5. Rob JANSEN	Ministry of Housing, Spatial Planning, The NETHERLANDS
6. Greg LAMARRE	Nuclear Safety Commission (CNSC), CANADA
7. Carl-Magnus LARSSON	Radiation Protection Authority , SWEDEN
8. Jozef MISAK	Nuclear Research Institute REZ plc, CZECH REPUBLIC
9. Yong Ho RYU	Korea Institute of Nuclear Safety (KINS), REPUBLIC Of KOREA
10. Pedro SAJAROFF	Autoridad Regulatoria Nuclear, ARGENTINA
11. Jean Paul SAMAIN	Conseil Scientifique des rayonnements ionisants, BELGIUM
12. Tero VARJORANTA	Saateilyturvakeskus (STUK), FINLAND
13. Rolf Deiter WENDLING	GERMANY
14. Tomoho YAMADA	Nuclear and Industrial Safety Agency (NISA), JAPAN
15. Javier ZARZUELA	Consejo de Seguridad Nuclear (CSN), SPAIN
OBSERVERS	
1. Luiz Ernesto MATTA	National Nuclear Energy Commission (CNEN), BRAZIL
2. Victor NERETIN (Observer)	RF Gosatomnadzor, RUSSIAN FEDERATION
IAEA STAFF MEMBERS	
1. Gustavo CARUSO , <i>Team Coordinator</i>	2. Khammar MRABIT , <i>Deputy Team Coordinator</i>
3. David, GRAVES , <i>Review Team Coordinator</i>	4. Luis JOVA SED , <i>Review Team Coordinator</i>
5. John LE HERON , <i>Reviewer</i>	6. Natanael BRUNO , <i>TransSAS Reviewer</i>



France IRRS mission

Scope

First "**full-scope**" IRRS mission, covering nuclear facilities and activities regulated by ASN :

- power reactors
- fuel cycle facilities
- research reactors and laboratories
- facilities under decommissioning
- waste storage and disposal facilities
- radioactive sources in medical and industry sectors
- worker and patient radiation protection
- transport (follow-up mission)
- provisions of public information requested by ASN



Modules

An integrated approach was adopted, based on the following modules:

GENERAL REQUIREMENTS


Legislative & Government responsibilities	ASN Responsibilities & functions	ASN organisation	ASN Management system
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ACTIVITIES

Authorisation	Regulation & guides	Review & Assessment	Public information (added on the ASN request)
Emergency preparedness	Inspection & Enforcement	Transport (TranSAS follow-up)	

For each module, teams of experts were set up. They reviewed all areas of ASN activities covered by the modules.

Overview of IRRS mission schedule

A vertical red arrow with a circular head at the top and a triangular tail at the bottom, pointing downwards, indicating the chronological progression of the IRRS mission schedule.

First half of 2005	Decision
End of 2005	Self assessment against GSR 1
May 2006	Preparatory meeting ASN - IAEA
Summer 2006	Self-assessment
October 2006	Presentation by IRRS Team Leader to ASN
November 5 to 17, 2006	IRRS mission
March, 2007	Report was released > www.asn.fr
Since March	International IRRS workshop in Paris
	Development and implementation of an IRRS action plan
2009	Follow-up mission



Overall schedule of the mission

November 5th, 2006: entrance meeting with Liaison Officer and IRRS Team Members

Monday 6th: opening meeting with IRRS Team Members, Counterparts and Liaison Officer

From Tuesday 7th to Wednesday 15th: investigations at the national and regional levels based on

- **Interviews** with ASN staff members and ASN TSO (IRSN)
- Documentation **reviews**
- **Observation** on the spot of : management board meeting, emergency situation response, inspections, etc.

Friday 17th: plenary and exit meetings.



France IRRS mission

Outcomes

The IRRS Team identified:

- 40 good practices,
- 49 suggestions,
- 35 recommendations.

The full IRRS report is available at www.asn.fr

ASN is implementing an **action plan** accordingly.



Resources for the mission

ASN human resources involved: ~ **350 man-days**

Breakdown

- **Liaison officer:** 72
(preparatory meeting, questionnaires, mission itself, etc.)
- **Counterparts:** 200
(self assessment questionnaires, preparation, etc.)
- **Logistic issues:** 30
- **Miscellaneous:** 50
(contact with IAEA, public information, financial, etc.)

Documents translated into English: **300 pages**

Direct cost: ~ **100 k€**



ASN expectations

1. Improve ASN efficiency and the relevance of its actions,
2. Share good practices,
3. Initiate a global move, encourage other regulators to request IRRS missions and set up a network of regulators.



IAEA/ ASN workshop on lessons learnt (1)

Keys for maximum benefit from an IRRS mission

- ✓ **Scope of the mission** (tailored to the human resources the regulator can devote)
- ✓ **Agenda** (number of people involved, different locations, etc...)
- ✓ **Self assessment** (self-identification of areas for improvement, providing Experts with materials for preparing the mission and preparing Counterparts for the mission),



IAEA/ ASN workshop on lessons learnt (2)

Keys for maximum benefit from an IRRS mission

- ✓ **Staff involvement**
- ✓ **Openness and transparency** of the regulator
- ✓ **Exchanges** between Experts and Counterparts.



France IRRS mission

Conclusion

- **Positive and beneficial experience** for ASN efficiency,
- Importance to **discuss lessons learnt** to **improve the IRRS process**,
- Need for **regulators to be involved** both in **receiving IRRS missions** and in **participating in missions** abroad.