
Experience of IRRS in JAPAN

Senior Regulators' Meeting
September 20, 2007

Akira Fukushima
Deputy Director-General for Safety Examination
Nuclear and Industrial Safety Agency

Objectives of inviting IRRS

Through peer review and policy dialogues by high-level officials of regulatory authorities from member countries,

- Enhance effectiveness and efficiency of Japan's nuclear safety regulation.
- Share regulatory experience among senior regulators to contribute to improving nuclear safety regulations internationally

Scope

- Facilities: NPPs
- Areas:
 - GS-R-1 7 Modules
 - GS-R-3 1 Module

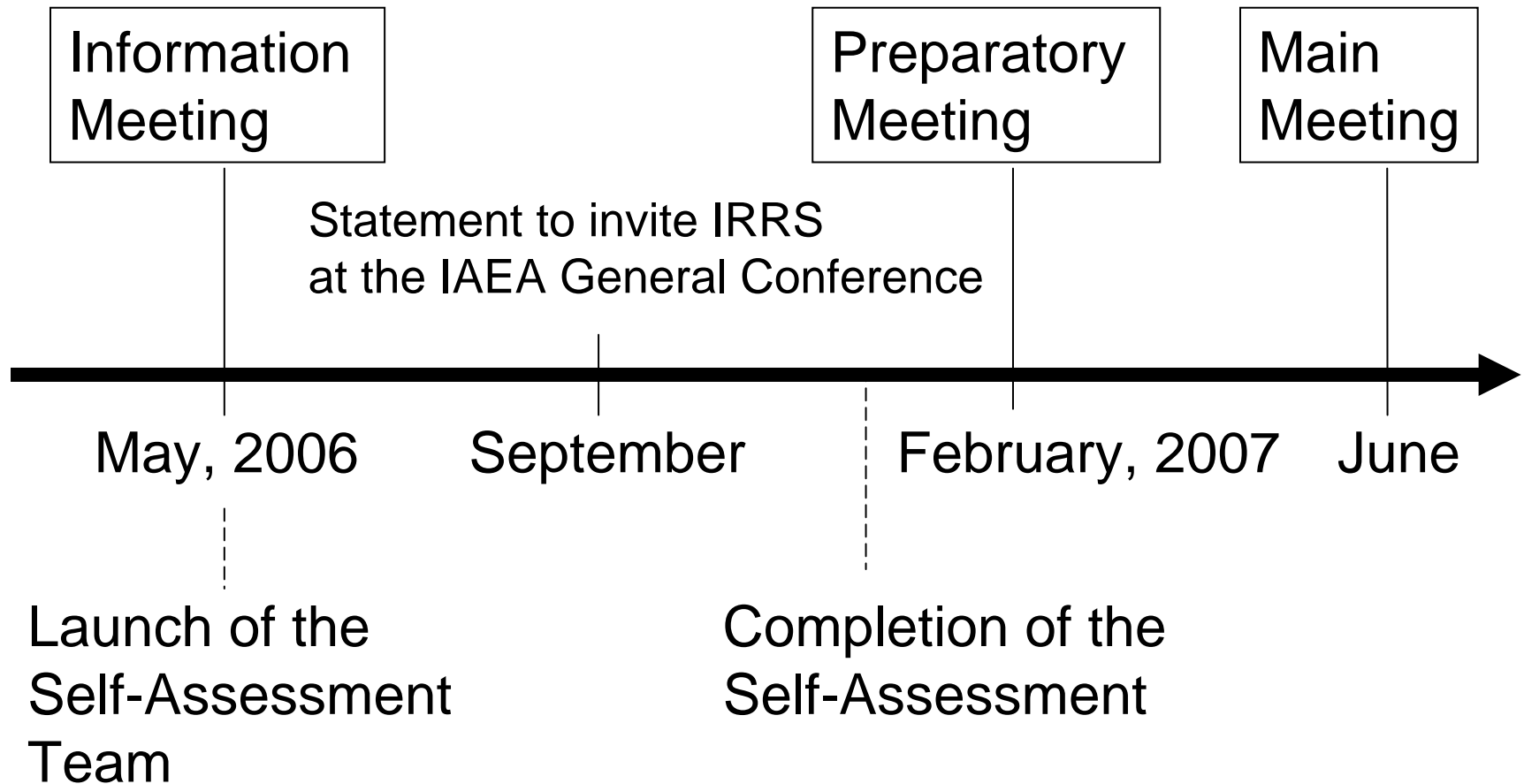
Nuclear Power Plants
Research Reactors
Fuel Cycle Facilities
Industrial Radiography
Industrial Irradiators
Gauges and Well Logging
Radioisotope Production
Accelerators
Diagnostic Radiology
Radiation Therapy
Nuclear Medicine
Research and Educational Use
Radioactive Waste Management
Disposal Facilities
Transport
Mining and Milling

Legislative and Governmental Responsibilities (Module I)	
Responsibilities and Functions of the Regulatory body (Module II)	
Organization of Regulatory Body (Module III)	
Authorization (Module IV)	
Review and Assessment (Module V)	
Inspection and Enforcement (Module VI)	
Development of Regulations and Guides (Module VII)	
Management System of Regulatory Body (Module VIII)	
Specific Requirements	
Thematic Elements	

Basic Concept of Japan IRRS

- Focus on Policy Dialogue
 - Peer review by high-level officials of regulatory authorities from member countries and discussion on specific policy issues with them.
- Two-stage implementation
 - Preparatory Meeting focused on the compliance with the IAEA Safety Standards, and Main Meeting on the Policy Dialogue.
- Open and frank discussion
 - Provide ample information to the reviewers in an open and frank manner.

Process



IRRS Reviewers

Preparatory Meeting (February 2 to 5, 2007)

Mr. Lacoste (Team Leader, France) assisted by Mr. Louet
Mr. Laaksonen (Deputy Team Leader, Finland)
Mr. Caruso (IAEA)
Ms. Nicic (IAEA)

Main Meeting (June 25 to 30, 2007)

Team A (Organizational and institutional matters):

Mr. Lacoste (Team Leader,
France) assisted
by Mr. Louet
Mr. GRANT (Canada)
Mr. GRAY (UK)
Mr. NA (Republic of Korea)
Mr. Caruso (IAEA)
Ms. KOBEIN (IAEA)

Team B (Technical and practical matters):

Mr. Laaksonen (Deputy Team
Leader, Finland)
Mr. EIBENSCHUTZ (Mexico)
Mr. HERTTRICH (Germany)
Mr. LIU (China)
Mr. MALLET (USA)
Ms. Nicic (IAEA)

Preparatory Meeting

Purpose

- To review self-assessment whether Japan's regulation is in compliance with the IAEA safety standards
- To select policy dialogue items for the main meeting

Japan	IAEA	5 (Mon.)		6 (Tue.)		7 (Wed.)		8 (Thu.)	
		AM	PM	AM	PM	AM	PM	AM	PM
Division in charge	A	General Presentation	① Legislative and Governmental Responsibilities	② Responsibilities and functions of the Regulatory Body	⑧ Management system	③ Organization of the Regulatory Body	Team Meeting	Confirmation of the items to be discussed in the main meeting	
Division in charge	B		⑥ Inspection and Enforcement	④ Authorization ⑤ Review and Assessment	④ Authorization ⑤ Review and Assessment	⑦ Development of Regulations and Guides			
Conference Type		Plenary Session	Meetings by Module (Parallel Sessions)				Review Team Meeting	Plenary Session	

Policy Dialogue Items

1. Institutional matters NISA, NSC, METI, ANRE, JNES,
2. NISA's personnel,
3. Human & Organizational Factors & Qualitative Items,
4. Operating Experience Feedback,
5. Strategic Planning & Management System,
6. NISA's Organizational Structure & Inspection System,
7. Transparency & Openness,
8. Internal Communication,
9. Aging Management,
10. Risk Informed Regulation,
11. Authorization of New Plants,
12. Performance-based Regulation,
13. IRRS Methodology.

Main Meeting

Purpose

- Policy dialogue to share regulatory experience
- Direct observations & interviews to confirm the review of self-assessment

	25(Mon)		26(Tue)		27(Wed)		28(Thu)		29(Fri)		30(Sat)		Policy Dialogue Issue	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
A (Organizational and Institutional matters) Module 1, 2, 3, 4, 5, 6, 7, 8	Overall presentation	1	3	2	7,8	5	Direct Observations and Interviews Site Area Team • Resident Inspectors • Licensee Tokyo Team • NISA • NSC • JNES etc.	Review Team Meeting	Deliberation on Japanese Side	Plenary Meeting	Exit Meeting 13	1	2	3 5 7 8
		M1	M2	M3	M1,3	M8						4	6	
		M4	M6	M5	M5	M7						9	10,12	
B (Technical and practical matters) Module 4, 5, 6, 7														

Benefits of Policy Dialogue

- Sufficient concentrated discussion focused on specific policy issues.
- Reflection of experience from high-level officials of regulatory authorities from member countries to our new and challenging policy issues.
- These points are meaningful especially for those countries with adequate experience in nuclear safety regulation.

Proposal as an option for future missions

- Two-stage Review:
 - First Meeting focused on the compliance with the IAEA standards
 - Second Meeting for policy dialogue
- Review team:
 - Organized with experts suitable for the respective purposes of each stage review
- IRRS report:
 - Part1: compliance (including recommendations, suggestions or good practices)
 - Part2: summary of policy dialogue