

“The Integrated Regulatory Review Service”

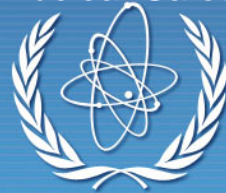
Lessons Learned from IRRS Missions

November 3-4, Sevilla, Spain

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IAEA

International Atomic Energy Agency

Outline:

- ***INTRODUCTION***
- ***IRRS PROGRAMME***
- ***LESSONS LEARNED***
- ***PLANNING / SELF-ASSESSMENT***
- ***POLICY ISSUES***
- ***IAEA NEW ELEMENTS***
- ***CONCLUSIONS***



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INTRODUCTION

- PARIS WORKSHOP (March 2007)
- STRONG SUPPORT FROM MEMBER STATES
 - BOARD OF GOVERNORS
 - GENERAL CONFERENCE
 - NUCLEAR SAFETY CONVENTION
 - SENIOR REGULATORS MEETINGS
 - MAJOR CONFERENCES AND WORKSHOPS
 - REGIONAL LEVEL OR REGULATORY GROUPS
 - COUNTRIES EMBARKING NUCLEAR POWER
- CSS LESSONS LEARNED TO FEEDBACK IAEA SS
- LESSONS LEARNED FROM SEVERAL MISSIONS
- CS MEETING (Finland, France, USA)

IRRS PROGRAMME

- Romania, IRRS January 2006 (Follow-up IRRT and RaSSIA)
- UK, March 2006 (1st Phase) + Next Steps
- France, November 2006 (First Full Scope)
- Australia, Japan, Mexico, 2007
- Spain, Ukraine, Germany, 2008
- France (F), Canada, UK (2nd Phase), Russia, Iran, Pakistan, 2009
- Japan (F), China, United States, Switzerland, Korea, Sweden...(2010 -2011)

Ongoing Requests from Smaller Programmes:

- Algeria, Cameroon, Gabon, Kenya, Mongolia, Niger, Qatar, Uganda, Uzbekistan 2007
- Botswana, Cote d'Ivoire, Guatemala, Madagascar, Namibia, Paraguay, Sierra Leone, Venezuela 2008

Lessons Learned: General

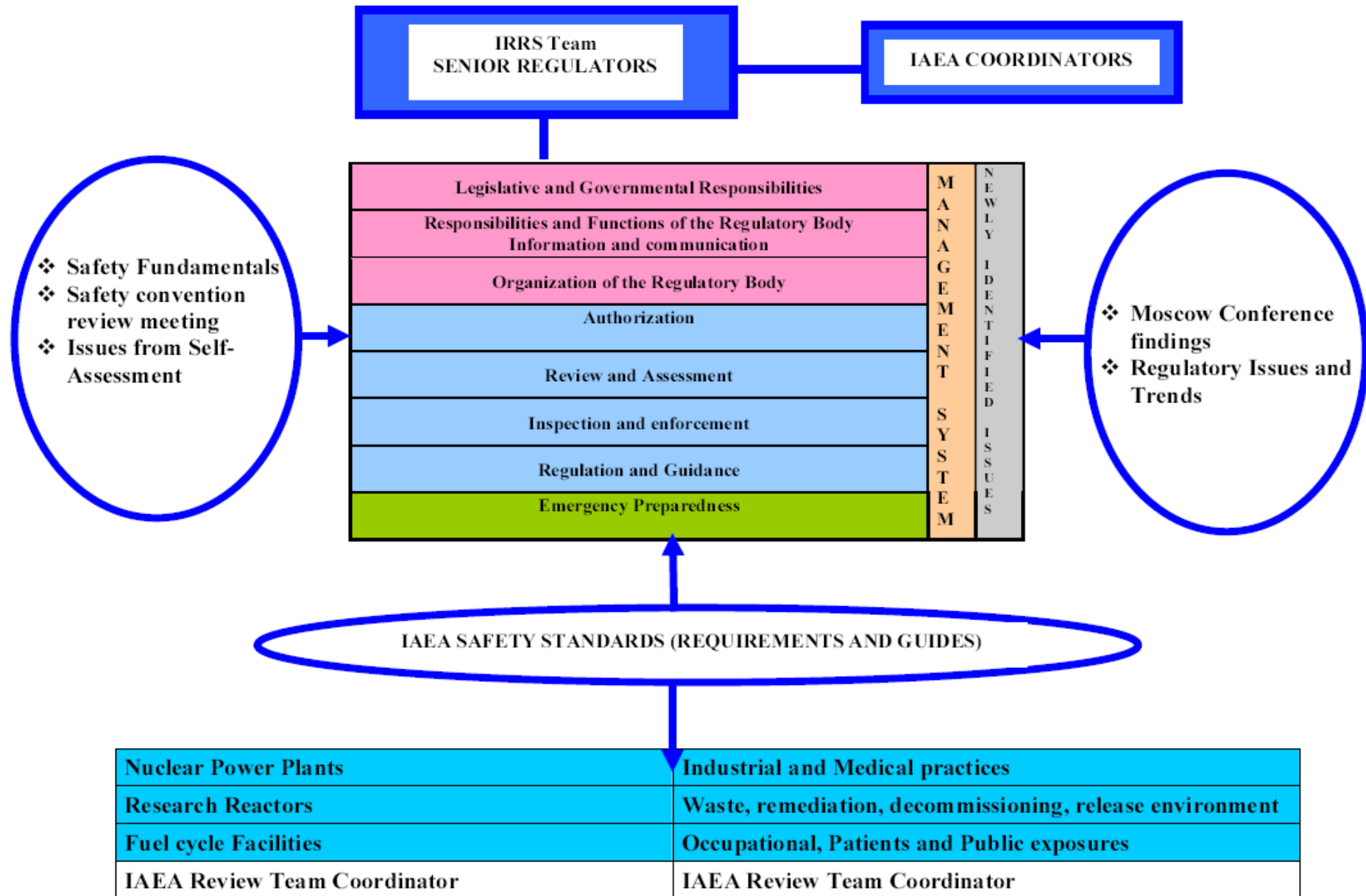
- **IRRS approach;**

- Modular concept
- Flexibility – Core Areas
- More emphasis on the Integrated regulatory approach
- All regulatory areas of responsibility

- **Four Elements:**

- 1. Regulatory Functions
- 2. Regulated Facilities and Activities
- 3. Policy issues / Regulatory challenges
- 4. Thematic Areas

STRUCTURE OF THE IRRS



Lessons Learned: General

- **Reference to Conventions and Code of Conduct;**
 - Issues identified through Convention process
 - Feedback to Review Meetings
 - Feedback from applications
- **More balanced reports**
 - Number of Recommendations / Suggestions / Good Practices
 - Number of “shall” statements;
 - Associated conditions
 - More consistent report

Lessons Learned: General

- **More emphasis on “de facto” than “de jure”**
 - Review the Regulatory Responsibilities and Functions
 - Actual compliance in the field (facilities and activities)
 - “Contact with reality”
 - Considering all the applicable IAEA SS
- **Terminology and Definitions**
 - IAEA Glossary
 - Recommendations / Suggestions / Good Practices
 - Strong consensus

Lessons Learned: Planning / Self-Assessment

- **Information and Preparatory Meetings**
 - Preparation activities
 - IRRS Team / Deputy Leaders early involved
 - Size – Needs
 - Priorities
- **Self-Assessment**
 - Preparation, answering, analysis of results, action plan, implementation and follow-up
 - More effective IRRS mission
 - IAEA Support, Guidance and initial questionnaire
 - Better understanding of IAEA Safety Standards

Lessons Learned: Planning / Self-Assessment

- **IRRS Process**
 - Reviewers preparation
 - Importance of daily meetings - logistics
 - Knowledge of IAEA Safety Standards
 - Knowledge on IRRS Methodology
 - Identify key issues
 - Reporting

Policy issues / Regulatory Challenges

- IAEA Fundamental Safety Principles SF-1.
- Conventions and Codes of Conduct.
- Relevant Regulatory Conferences (Moscow Conf).
- IAEA Issues and Trends.
- National / International impact.
- Identification of areas of concern.

Policy issues / Regulatory Challenges

- **Effectiveness**

- How the regulator ensures that an acceptable level of safety is being maintained
- Level of competence;
- How the regulator takes appropriate actions to prevent degradation of safety and to promote safety improvements
- How the regulator performs its regulatory functions in a timely and cost-effective manner
- How the regulator ensures the confidence to stakeholders
- Continuous improvements concept in place

Policy issues / Regulatory Challenges

- Independence
- Regulatory approach and criteria
 - “How safe is safe enough” is a National Responsibility
- International Cooperation
- Transparency and Openness

Lessons Learned: IAEA SS

- IAEA Safety Requirements of “Governmental and Regulatory Framework for Safety”
- Guidance for countries embarking nuclear power as new module.
- Guidance for licensing process for nuclear installations
- Guidance for Technical and Scientific Support to the regulatory bodies.
- Consolidation of Regulatory Functions

CONCLUSIONS

- Core Modules represents the horizontal review rather than vertical advisory element.
- Balance between technical and policy issues.
- Conventions, CoC and Conferences are key sources.
- Self-assessment produce the real added value.
- Factual application of the IAEA SS in “direct observations”.
- Executive summary, clear message and good communication for decision-makers (leaders).
- A mechanism for sharing experiences and knowledge should be established such as a Regulatory Network.



....THANK YOU FOR YOUR ATTENTION