
IAEA Integrated Regulatory Review Service
(IRRS)

UK Mission 2006

**A Modular Approach to
Continuous Improvement**

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Director HSE

UK IRRS Mission 2006 - Background



- NII – history of pushing for Continuous Improvement
- EFQM, CIPB, Self Assessment some years before
- Environment – International, UK Energy Review, New Build

IAEA IRR - Service

- **Responsive & Timely**
 - December 2005 informal talks
 - January 2006 formal letter requesting mission
 - March/April 2006 Mission of top experts
- **Targeted**
 - Modular to concentrate on NII intended approach to reactor design appraisal
 - To inform our input to Energy Review
- **First** of series of Modules for UK over 2/3 years

IAEA IRRS TEAM COMPOSITION



IAEA EXTERNAL EXPERTS

R. W. BORCHARDT	Nuclear Regulatory Commission (USNRC), USA
Jukka LAAKSONEN	Radiation and Nuclear Safety Authority (STUK), Finland
Kunihisa SODA	Nuclear Safety Commission (NSC), Japan
Ulrich SCHMOCKER	Swiss Federal Nuclear Safety Inspectorate (HSK), Switzerland
Philip WEBSTER	Nuclear Safety Commission (CNSC), Canada

IAEA STAFF MEMBER

Gustavo CARUSO	Division of Nuclear Installation Safety
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Scope of Mission

- Appropriate for national needs
- Modular approach
 - Quicker to put together
 - Focused on specific needs
 - Underlines continuous improvement
 - Easier to handle for all parties
 - More appropriate for complex wide ranging nuclear regulatory systems

Resources and Time Issues for UK



- Short lead time for host country to prepare
- Timing to maximise benefit
 - Contributed to NII's input into the Energy Review in June 2006
 - Informed the final stages of the development of HSE's Safety Assessment Principles (SAPs) published at the end of 2006
 - Provided a structure for further self improvement

Continuing Process

- Part of a process of ‘continuous learning/improvement’ for us
- Not just for the period of the mission
- Identify areas for improvement and strengths
- Helping to improve within the long established national infrastructure
- Similar for IAEA/other countries/team members?

IRRS Mission Development

- Continuous improvement in IRRS process
- Wide involvement of lead regulators from countries
- Worldwide learning
- Pass learning on - IAEA accumulation of good practices?
- Consistency and continuity
- Balance of benefits against resource demands on few – need for a practical programme

Mutual Understanding of Issues

- Resolution, consensus and understanding
- Process takes time
- Development of mutual confidence and understanding
- Needs to involve all participants
- Complexity depends on size of mission

Conclusions

- IRRS modular approach works particularly well for complex wide ranging systems and environments
- Customer focused - Scale/timing of mission to suit national need
- Sharing and learning for all involved - Part of continuous improvement for us all
- Need for a practical overall programme worldwide
- Our Aim: Continuous Improvement of nuclear safety and regulation, including radiation protection, worldwide