



# Workshop IRRS Seville

## IRRS Germany 2008

Lessons learned from the IRRS in Germany

Perspective of the Federal State Baden-Wuerttemberg

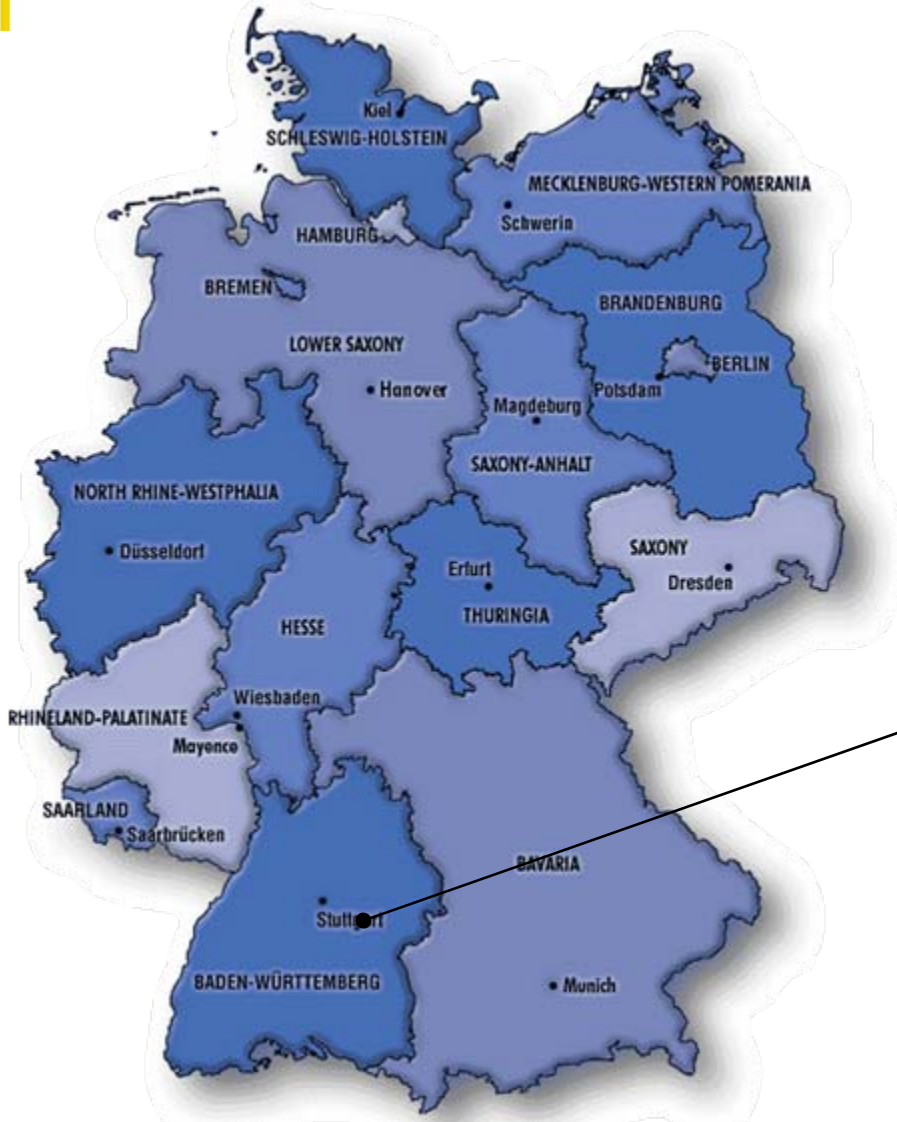
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## Scope and Objective of the IRRS Germany 2008

**Continuous improvement of the supervision of the safety of NPP's under the given conditions (phase-out, ageing, deregulation of the electricity market) on the basis of the federal executive administration.**

Objective contains 3 important statements

- scope restricted to NPP's (IRRS modules I – VIII) - not a full scope mission
- consideration of present challenges (phase-out, ...)
- optimisation of the legally based structure of the nuclear regulatory system, a changing of structures was not subject of the IRRS Mission.



## The regulatory body in the Federal system in Germany

- Federal System with two autonomous authorities on the two levels of the Federation (BMU) and the Federal States (Länder)
- The Constitution and the Atomic Energy Act assign the Federal States an important role in the field of nuclear safety.
- Länder normally are responsible for authorization, review and assessment, inspection and enforcement. This work is done by the supreme Länder authorities (ministries).



## Organisation IRRS

	BMU	UM BW
<b>Liaison Officer</b>	Majer	Ortwein
<b>Module</b>	<b>Counterparts*</b>	
Legislative and Governmental Responsibilities (Module I) Questions 1-44	Dr. Schneider	Winter
Responsibilities and Functions of the Regulatory Body (Module II) Questions 45 – 80	Fischer	Winter Supported by Dr. Kern
Organization of the Regulatory Body (Module III) Questions 81 - 105	Niehaus	Dr. Glöckle Supported by Dr. Stratmann
Authorization (Module IV) Questions 106 - 118	Ludwig	Dr. Scheitler Supported by Dr. Flaskamp
Review and Assessment (Module V) Questions 119 - 125	Engelhardt	Korr Supported by Dr. Löffert
Inspection and Enforcement (Module VI) Questions 126 - 149	Sperling	Wildermann Supported by Riehme
Development of Regulations and Guides (Module VII) Questions 150 - 156	Dr. Wassilew	Wiesner
Management System for Regulatory Body (Module VIII) Questions 157 - 248	Dr. Vorwerk	Dr. Glöckle Supported by Carius

\* leading counterpart in orange,co-counterpart in white

# Self-Assessment: Approach of UM BW



## 1<sup>st</sup> Step: Assessment by the International Committee on Nuclear Technology (ILK)\*

Review performed in the style of an IRRS-Mission resulting in

- recommendations,
- suggestions and
- good practices.

## 2<sup>nd</sup> Step: IRRS Questionnaire

<http://www.ilk-online.org/public/en/stellungnahmen.htm>

### 3.2.7 Module 6: Inspection and enforcement

No	Question	Module 6: Inspection and enforcement
126.	Does the Regulatory Body carry out inspections?	
	Regulatory inspection and enforcement activities shall cover all areas of regulatory responsibility. The regulatory body shall conduct inspections to satisfy itself that the operator is in compliance with the conditions set out, for example, in the authorization or regulations. In addition, the regulatory body shall take into account, as necessary, the activities of suppliers of services and products to the operator. Enforcement actions shall be applied as necessary by the regulatory body in the event of deviations from, or non-compliance with, conditions and requirements.	
	SS Ref.: GS-R-1 para 5.12	
	<b>Answer:</b> Yes. The Atomic Energy Act ( <i>Atomgesetz – AtG</i> ) regulates, among other things, supervision by the government (§ 19 AtG). The performance of supervision, i.e. also of inspections, is a duty of the competent nuclear regulatory authority.  As competent regulatory authority, the Ministry of the Environment Baden-Württemberg carries out inspections in the nuclear installations in the <i>Land</i> of Baden-Württemberg. The plant inspections are a central and indispensable part of the supervision strategy of the Ministry of the Environment Baden-Württemberg.  Type, methods and scope of inspections are stipulated in the <i>oversight manual</i> and differ according to plant state (e.g. operation, revision and decommissioning).  Within the framework of basic oversight of operation, an annual inspection programme is set up and performed for each unit of a nuclear power plant (cf. <i>Section 7.3.2.1.1 of the oversight manual</i> ). The time consumed for the on-site inspections within this programme is about 48 man days per year and nuclear power plant unit. The annual inspection programme covers all inspection areas relevant for oversight. These are, in particular, - modification procedures, - operational management, - maintenance/repair, - in-service inspections, - quality assurance, - technical qualification.	Assessment: 3



# Action Plan of UM BW

**Basis:** ILK Review and IRRS Questionnaire

**Results:** 27 actions



### 3.3.2.2 Action Plan UM BW

IRRS Question	Action	Aim	Responsible or co-ordination	Target date
67 96	1. Co-operation in international working groups and committees (IAEA, OECD/NEA, EU/WENRA)	- Contribution of UM BW oversight experience - Learning from international experience (cf. also <a href="#">ILK Report Sec. 3.1</a> and <a href="#">Item 7 of the Aims and Actions 2008</a> )	32	End of 2008 (4 members on international working groups and committees)
67 96	2. Co-operation in international projects and actions (e.g. IAEA missions, workshops)	- Contribution of UM BW oversight experience - Learning from international experience (cf. also <a href="#">ILK Report Sec. 3.1</a> )	32	Permanent task
68	3. Further expansion and optimisation of Internet presence	- Provision of information - continual updating of basic information (cf. also <a href="#">Strategic Aim "Optimise public relations"</a> )	32	Permanent task
68	4. Holding of public events	Increasing trust in the regulatory authority by direct communication with the members of the population concerned (cf. also <a href="#">ILK Report Sec. 2.4</a> and <a href="#">Item 12 of the Aims and Actions 2008</a> )	32	2010 (one event per year)
68	5. Co-ordination with the press office and the Communication and Public Relations Section at the UM	Using know-how for communication tailored to the needs of the recipient (cf. also <a href="#">Strategic Aim "Optimise public relations"</a> )	32	Permanent task
69	6. Intensification of the co-operation between Federation and Länder regarding the international exchange of NPP operating experience (co-operation in Federation-Länder Working Group on national regulation)	Guaranteeing effective German participation in the international feedback of operating experience	32	2010





## List of Regulatory Policy Issues

- Human Resources and Knowledge Management
- Operation Experience Feedback - OEF
- Enhancing Regulatory Effectiveness and Competence
- Management of Safety
- Ageing management of NPP's



# Advance Reference Material



## Advance Reference Material (ARM)

June 2008



- electronic and written versions
- information to IRRS in English on the UM BW homepage:

<http://www.um.baden-wuerttemberg.de/servlet/is/43145/>





## Benefits for UM BW

- Confirmation of the compliance with the Safety Standards.
- Recommendations and suggestions for further improvements.
- New perspectives triggered by an intensive review process with the international colleagues (questioning his way of acting).
- Team building between experienced and younger staff (experience exchange, knowledge transfer...).
- Advance Reference Material for training of new staff.
- We appreciated the experience exchange with the international colleagues. Readiness for enhanced international co-operation.



# Thank you

