

Use of Licensee PRA Models in Regulatory Applications

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Background

- Major findings from 2007 evaluation
 - Industry standardization not established
 - Reactor Oversight Process designed to be independent process
 - Major logistical and resource constraints to maintain and use 70+ licensee models

Why is NRC Re-visiting Issue?



- Cost to maintain and update SPAR models
- Project AIM, increased budget pressure
- Perceived inefficiency in the maintenance of two models (SPAR and licensee)
- Licensee models have improved

Key Issues

- **NRC staff uses licensee model vice SPAR:**
 - **What are the logistical issues with NRC access to licensee models?**
 - Obtaining commercial software licenses for multiple PRA codes
 - Training of NRC risk analyst staff
 - **How will NRC safeguard proprietary and/or security related information in PRA models?**
 - **Should NRC maintain a copy of licensees models?**
 - **Will all licensees provide NRC staff access to their models?**
 - **What are the additional costs to NRC? To licensee?**

NEXT STEPS

- Form NRC project team
- Develop feasibility study
- Feasibility study will contain a pilot to:
 - Identify non-technical issues
 - Identify technical issues
 - Identify costs\benefits
- Provide recommendation and project plan for NRC RISC approval