



Changing Radiation Protection Standards

Interagency Steering Committee on Radiation Standards

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Programs

Revision of NRC Regulations

- NRC staff developing options for Commission consideration
- Senior Technical Group and Steering Group
- Options due to Commission in December 2008



Background

- Considering all parts of regulations, including those not revised in 1991
- Some portions of regulations and guidance date back to ICRP Publication 2
- Rationale for action may include adequate protection, updating scientific information, trans-boundary implications, and achieving consistency of approach.



Outline of Options Paper

- Regulatory Options
- Technical Options
- Administrative Options



Regulatory Options

- **Status Quo – Make no changes**
- **Align to ICRP Publication 103**
 - **Revise Part 20 only**
 - **Revise Part 20, Part 50, and Part 50 Appendix I**
 - **Revise all 10 CFR Chapter I**



Technical Options for Part 20

- Total Effective Dose
- Constraints for occupational exposure
- Dose limits
 - Occupational
 - Public
 - Embryo/fetus of Declared Pregnant Female
- Numerical values of weighting factors and Appendix B



Administrative Options

- **Begin Rulemaking Activities Now**
- **Delay Rulemaking while continuing with Technical Basis Development and Stakeholder Interactions**
- **Packaging for Actions**
 - **Part 20 and Part 50 Together**
 - **Part 20 and Part 50 Separately**
 - **Timing for other Parts**



Points to Ponder

- **Changes to the radiation protection framework would be significant, impacting all types of licensees, and Agreement States**
- **Resources needed for technical basis, rulemaking, guidance, and code updates to support regulations**
- **Technical basis work still in progress. When is the right time to move to rulemaking?**
- **How do we effectively gauge benefits and impacts?**



Questions?

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