



RIC 2001

Risk Informed Technical Specifications

Session W9

The Basics of Risk-Informed Technical Specifications
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Technical Specifications

- Establish values of important parameters to preserve barriers
- Establish design basis equipment configuration
- Require predetermined actions to restore design basis configuration or change plant state

Standard Technical Specification Issues

- Do not manage risk of overall plant configuration
- Do not manage risk in restoring design basis configuration or changing plant state
- Do not take advantage of advances in risk and reliability analysis techniques to determine surveillance frequencies and completion times

Proposed Change

- Maintain in general
 - Safety Limits
 - Limiting Safety System Settings
 - Design Features
 - Administrative Controls
- Improve LCO & SR (Risk-Informed)
- Effect regulatory changes that make TS and Maintenance Rule (a)(4) complementary

Risk-Informed Technical Specification Initiatives

- Eight industry-identified risk initiatives
 - First three are well underway through STS change process
- 1. Technical specification action end states
- 2. Missed Surveillances (SR 3.0.3)
- 3. Increase flexibility in mode restraints (LCO 3.0.4)

Risk-Informed Technical Specification Initiatives

- 4. Replace current system of fixed completion times with reliance on configuration risk management program (CRMP);
- 5. Optimize surveillance frequencies;
- 6. Provide specific risk-informed Completion Times for those conditions requiring entry into LCO 3.0.3
- 7. Define actions to be taken when equipment is not operable but is still functional;
- 8. Remove/Relocate all non safety systems/non risk significant systems out of TS