



RIC 2010
Status of Risk-Informed
Technical Specification
Initiatives

Gerald Waig
NRR/DIRS/ITSB
March 11, 2010



Initiative 1 – Revise TS
end-states for required
plant shutdowns to avoid
cold shutdown conditions.

1



Status of Initiative 1

- Technical Specification Task Force (TSTF) Traveler 422 (CE), Approved 7/2005 (no adoptions)
- TSTF-423 (BWR), Approved – NRC used requests for additional information (RAIs) in amendments to address concerns with the approved traveler (adopted by 5 sites).

2



Status of Initiative 1 (continued)

- TSTF-431 (B&W) – Under review by NRC staff. Industry addressing LCO 3.0.4.a. issue (affects all Initiative 1 Travelers)
- TSTF-432 (W) – Submitted 12/09, NRC staff reviewing associated Topical Report (TR)

3



Initiative 2 – Revise TS to accommodate a missed surveillance test.

- TSTF-358 - Approved 9/2001 and adopted by all except 2 plants

4



Initiative 3 – Revise TS to allow startup with inoperable components provided risk is assessed and managed.

- TSTF-359 - Approved 4/2003 and has been adopted by approximately 50 sites

5



Initiative 4A/B – Revise TS to increase allowed outage times for individual specifications (4A) or for multiple specifications (4B) by assessing and managing configuration risk.

6



Status of Initiative 4A (continued)

- TSTF-373 (CE) – approved 2/2004, CIV CT (no adoptions) – Staff identified several items not addressed by TSTF-373, namely Large Early Release Frequency (LERF) assessment, limiting Primary Containment Isolation Valve (PCIV) extended completion time entry, PCIV common cause failures, and an implementation and monitoring program.

7



Status of Initiative 4A (continued)

- CE (TSTF-409) - Approved 11/2006, Containment Spray Completion Time (CT), (no adoptions) subsequent staff issue with external events core damage frequency (CDF) near the RG 1.174 limit. Licensee justification required for adoption of TSTF-409.
- B&W (TSTF-430) – Approved 8/2004, LPI & Containment Spray CT, (one adoption)

8



Status of Initiative 4A (continued)

- TSTF 446 (W) – CIV CT, NRC staff resolving comments
- TSTF 454 (BWR) – Approved 12/2005 (CLIP), PCIV CT (no adoptions).
- TSTF 498 (B&W) - *Federal Notice* of availability (Non-CLIP) Approved 12/2008, Containment isolation valve (CIV) CT (no adoptions)

9



Initiative 4B - Multiple Specification Risk Informed Completion Times

- TSTF expects to submit traveler (TSTF-505) in 2010. A survey of licensees conducted by the PWROG found that industry interest in this initiative is very high.

10



Initiative 5A - Relocate Individual Surveillance Requirement (SR) Frequencies

- No submittal

11



Initiative 5B - Relocate SR Frequencies to Licensee Control

- TSTF-425 - Approved 7/2009 for all vendor types – 6 LARs approved including two pilot sites. LARs for 4 sites are currently undergoing NRC staff review. A survey of licensees conducted by the PWROG found that industry interest in this initiative is very high.

12



Initiative 6B - Provide Conditions to Allow Time to Restore from a Loss of Function

- Topical Report (WCAP-16125) for CE Plants is currently being reviewed by Staff.

13



Initiative 6C - Provide Specific LCO Time for Conditions Requiring Immediate LCO 3.0.3 Entry

- See previous Initiative 6B Status comment

14



Initiative 7A - Impact of Non TS Design Features on Operability Requirements- Barriers

- TSTF-372 - Approved 5/2005 (Nonfunctional Snubbers) and adopted by approximately 30 sites.
- TSTF-427 - Approved 10/2006 (Nonfunctional Barriers) and adopted by approximately 3 sites.

15



Initiative 7B - Impact of Non TS Design Features on Operability Requirements - All Other SSC

- No Submittal

16



Initiative 8 - Remove or Relocate System LCO That Do Not Meet the 4 Criterion of 10 CFR 50.36 From Technical Specifications

- No submittal

17
