



Nuclear Facility Readiness – Requirements Clarification



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Background

- **DOE Headquarters identified need for review and clarification of O 425.1C and supporting requirements (issues from DNFSB Itr of September 2005)**
- **Contractor and DOE SMEs met in Hanford during January '07 to discuss need & scope**
- **That planning meeting was the genesis of seven Task Teams**
- **Entire effort is sponsored by DOE HQ with significant contractor involvement and recent EFCOG support**

Background (Continued)

- **Original Readiness Review requirements (DOE O 425.1C) developed back in the early 1990s**
- **Many involved in the development have retired or are retiring – resulting in a critical loss of knowledge**
- **Without access to ‘rationale’ of why requirements were written the way they were, newer members of the readiness review community are not interpreting requirements consistently, resulting in inadequately planned and executed readiness activities**

Background (Continued)

- **To facilitate the sharing of knowledge between ‘old’ and ‘new’ members of the readiness community, Contractor and DOE SMEs met in Hanford during January '07**
- **Seven ‘virtual’ Task Teams were formed to address specific issues of concern**
- **Team members agreed to apply Knowledge Management tools and principles to capture thought processes for use by later generations**

Applying Knowledge Management

- **Teams agreed to:**
 - **Minimize use of e-mail - instead teams are utilizing discussion forums on EFCOG web site to share and comment on ideas.**
 - **Share existing ‘effective’ practices, by posting them to EFCOG’s readiness web site for all to access and build upon - as opposed to starting from scratch.**
 - **Place as much value on capturing for future generations how we got to where we are today as we are placing on where we are going tomorrow.**

Task Teams

- **EFCOG Readiness Working Group established with the following Task Teams:**
 - **Achieving Readiness**
 - **Readiness Review Level Determination**
 - **Startup Notification Reports**
 - **Readiness Review Process**
 - **Standard Definitions**
 - **Continuous Improvement**
 - **Training**

WSRC Involvement

- **Direct support and effort provided to the following Task Teams:**
 - **Readiness Review Level Determination Process**
 - **Startup Notification Reports**
 - **Standard Definitions – Lead role by DOE and WSRC for specific terms and general input**
 - **Training**

Readiness Review Level Determination Process - Status

- **Ground swell support for eliminating RA / ORR and replace with one term with grading**
- **Draft proposal from DOE-SR to support the above strategy, but with three tiered division separated by Startup Approval Authority level requirements**
- **Deliverables vetted through the Achieving Readiness and Readiness Review Process Task Teams by the end of May**

Startup Notification Reports - Status

- **Oak Ridge Y-12 Readiness Assurance Manager is Task Team Lead**
- **Team has reached agreement on content of SNR and frequency of updates**
- **The scope (inclusion of all reviewed projects or just those screened as requiring a formal review) of the SNR is still under discussion**
- **SRS SNR singled out by DOE HQ as model**
- **WSRC providing significant support to this Task Team**

Standard Definitions - Status

- **Purpose – to clarify existing terms or add appropriate definitions in DOE O425.1C**
- **SRS taking the lead regarding the definition of “New Nuclear Facility / Activity”**
- **Significant supporting role in discussion pertaining to “Major / Substantial Modifications”**
- **Group currently looking at Draft STD 1189 impact**

Training - Status

- **Training needs identified for Review Team Leads, Members and for Facilities in preparation for readiness declaration**
- **Team Member training outline has been developed and submitted for Team review**
- **WSRC ORR training was submitted to Task Team website for review**

Summary

- **Good progress overall in the three months since the “birthing” meeting**
- **Significant SRS involvement by both DOE-SR and contractor personnel**
- **Support from all level of the DOE, from HQ to contractor is essential for continued progress**
- **Plans are to meet and consolidate Task Team efforts during the upcoming Annual Readiness Review meeting in Oak Ridge**

Conclusion

- **With close to $\frac{3}{4}$ of the DOE Readiness Review Community eligible for retirement, capturing the knowledge of these individuals is the most critical issue facing the community.**
- **Without access to their knowledge, the present as well as future continuous improvement initiatives will be prone to making the same mistakes over and over again...**