

SAFETY BASIS (SB) SUBGROUP

Mission: Promote excellence in Department of Energy (DOE) contractors' SB initiatives and programs

Activities: Develop SB guidance based on lessons learned, identify and resolve SB-related issues, collect and share SB information, and conduct SB training through the following:

- Annual SB January Workshops in Albuquerque, NM
- Monthly teleconferences
- Energy Facility Contractors Group (EFCOG) Internet Discussion Forum

Accomplishments: Used interest groups and task groups to

- Revise or develop the following DOE standards / guide, as reported during January 2007 SB Workshop and monthly teleconferences:
 - Supplemental Guide for DOE-STD-1027-92, *Hazard Categorization & Accident Analysis Techniques for Compliance with DOE O 5480.23*
 - DOE-STD-1189-YR, *Integration of Safety into the Design Process*
 - DOE-STD-3007-2007, *Guidelines for Preparing Criticality Safety Evaluations at DOE Non-reactor Nuclear Facilities*
- Discuss the following current issues during January 2007 SB Workshop:
 - Application of vital safety systems
 - Potential for Inadequate Safety Analysis (PISA) threshold
 - Safety / security integration recommendations
- Provide forum for addressing Unreviewed Safety Questions (USQ) issues until USQ Subgroup was reactivated
- Develop white paper on Justification for Continued Operation

Current Topics: Near-term activities will focus on the following:

- Revise DOE-STD-1027-92 and address implementation of associated supplemental guidance and changes to the Standard
- Address implementation of new DOE-STD-1189
- Provide guidance on proper SB handling for PISAs and planned permanent and short-term facility modifications
- Develop case study for SB development, review, and approval

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