**EFCOG Safety Basis Task Group Agenda for**

**Teleconference 2:05 PM EST on February 15th, 2021**

*Phone Number: 1-240-690-7330*

*Reservation Number: 499 963 985#*

* **Welcome & Roll Call**
* **Update from DOE on Current Issues**

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| **Document** | **Title** | **Updates** |
| DOE-EH-0545 | Seismic Evaluation Procedure for Equipment in U.S. DOE Facilities, March 1997 |  |
| DOE G 424.1B, Chg 2 | Implementation Guide for use in Addressing Unreviewed Safety Question Requirements |  |
| DOE-HDBK-1224-2018 | Hazard & Accident Analysis Handbook |  |
| DOE-HDBK-3010-1994 (R2013) | Airborne Release Fractions/Rates and Respirable Fractions for Nonreactor Nuclear Facilities |  |
| DOE-STD-1020 | Natural Phenomena Hazards Analysis and Design Criteria for DOE Facilities |  |
| DOE-STD-1066 | Fire Protection |  |
| DOE-STD-1104 | Review and Approval of Nuclear Facility Safety Basis and Safety Design Basis Documents |  |
| DOE-STD-1129 | Tritium Handling and Safe Storage  |  |

* **Updates on List of Tasks for the SBTG for EFCOG FY22 Annual Work Plan**
	+ Guide/white paper on revised DSA Annual Update frequency implementation following the 10 CFR 830 rule change to DSA Annual Update Requirements [POC: Charles Carathers]
	+ Guide on when a facility should upgrade to the new revisions of DOE-STD-1027, Hazard Categorization of DOE Nuclear Facilities [POC: Roberta Jordan]
	+ White paper on the Safety Basis portion of DOE-HDBK-1230-2019 to support EFCOG Engineering Practices and QA on revisions to the handbook [POC: J. Buczek]
	+ Write Lessons Learned from nuclear facilities that have implemented DOE-STD-1228, Preparation of Documented Safety Analysis for Hazard Category 3 DOE Nuclear Facilities [POC: B. McKibbin]
	+ Update the N&FS Subject Matter Expert List
	+ Best Practice Papers: (issue at least two)
		- Facility Downgrading Cost Benefit Analysis [POC: Adam Jivelekas]
		- DSA Review Guidance [POC: Adam Jivelekas]
		- Moisture/Humidity Levels for Fires [POC: M. Mitchell]
		- Qualification Cards for Safety Analysts [POC: C. Carathers]
			* Rough draft almost ready, waiting for Carathers to return for update
		- Use of DOE-STD-5506 [POC:??]
* **Additional Topics for SBTG Discussion** All
* **Upcoming events and new business**
* **DOE NTC Calendar Link**
	+ <https://ntc.doe.gov/student/course-schedule>
	+ Wes Mouser’s email: WMouser@ntc.doe.gov
	+ If interested in any courses, please check the course schedule as things change rapidly with Covid
* **Next Meeting**

Wednesday March 9th, 2022

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**Additional Best Practice Papers**

SBTG requests volunteers for co-authors or peer reviewers for the BPPs below.

* Paper submittal process - through sites or subgroup if the topic has not been implemented.
1. LLNL best practice paper concerning active ventilation effects on fires (LLNL Staff)
2. D&D nuclear facilities (update in late spring)
3. Segmentation
4. Safety Basis Approval Planning using STD-1104
	1. To be written as a “proposed best practice” based on experiences and judgements
5. Pantex Safety Basis revision: How to streamline the safety basis *[may be replaced with a Pantex Report on a similar topic]*

**Possible future BPP topics (a living record):**

* + Facility Downgrading Cost Benefit Analysis
	+ Readiness Reviews
	+ Using the Graded Approach to Prepare DSA’s
	+ DSA Review Guidance
	+ Early Career rotation programs
		- Weapons Intern Program at Sandia
		- Savannah River Remediation READY engineering rotation program
		- INL - mid-career development program
		- INL - federal contractor can spend some time working at the lab
		- Rotational training programs
		- SRNS- Engineering Leadership Development Program
	+ Process Safety Review Board
	+ PFP Contamination
	+ Hazard Analysis Focus Group
	+ Best Practices for Qualification Cards for Safety Analysts
	+ History of Accidents/Events that shaped the Industry
	+ Revised DSA AU Frequency
	+ When to Update for 1027
	+ Achieving Readiness for Nuclear Facilities
		- * Commissioning Handbook put out with regards to 413.3 Design Phases and Critical Decisions. Left out achieving readiness for reaching CD-4 including SB (PDSAs, PCHAs, etc.). May be a best practice we could put out with regards to this perspective.