

**Engineering Practices Subgroup (EPSG)
Minutes of All-Hands Meeting: February 9, 2021**

Participants/emails are listed at the end of this document.

Chair Grant Ryan welcomed callers and led the one-hour meeting following the agenda; minutes follow.

1. Safety Topic
Grant discussed COVID-19 protocols and impacts.
2. FY2021 Commitments/Goals
 - a. **Best Practice for Configuration Management in a Building Information Model (BIM) Environment – Task Lead TBD**

This task may have been suggested by Y-12 (not on the call). Oruch and Jensen expressed interest in outcome, probable lab participation in a task team. Grant will research the matter and whether to pursue; express interest to him.

- b. Support **Multi-Subgroup Effort in Engineered Procurement Effectiveness - Dan Baide**

Task group established in FY20 to minimize risk in supply chain management by identifying existing and potential best practices related to people/processes/procedures.

Richard Salizzoni (SRR) - Lead
Spenser Daw (INL)
Dan Baide (WRPS)
Michael Fish (INL)
Bill Wingfield (LANL)
Joseph Fulghum (SRNS)

Core team worked throughout the COVID pandemic in telework mode. A new EFCOG Procurement Engineering website was established to centralize existing best practices related to Engineered Procurements. Last meeting was held early Nov. 2020, with next meet planned in late Feb. 2021. Remaining work to finish consists of a spreadsheet that compiles other potential best practices requiring further development. EFCOG subgroups can utilize these additional ideas to develop new best practices in their focus area as future initiatives.

- c. Final actions remaining on **Code of Record Best Practice – Chip Lagdon**

Chip intends to make final edits in the next few weeks but will accept additional input during that time.

- d. Final actions remaining on **Conduct of Engineering Best Practice – Julie Minton-Hughes**

The best practice coversheet is complete. Based on discussion with Dave Compton, the slides need additional detail added on the individual orders, standards, and regulations. Also, the requirements matrix still needs a consistency scrub. Finally, the matrix should be maintained long term and we need to establish how best to manage that.

- e. Publish **White Paper on fire extinguisher inspection periodicity – Mike Cates**

There is not unanimous agreement on the concept among sites; task team will determine if it can be published anyway with recognition of this.

f. Support Pending Revision to DOE-STD-1066 – (Will Cosey/Mike Cates)

Will is leading the Fire Protection Task Team's work with Jim Bisker and Bill Shields (SNL) on the update being considered this year.

3. **DOE Status Update** (Garrett Smith, David Compton)
- a. DOE Standards and Orders; questions from the Group?

Garrett briefed the group on AU-30 happenings and his multiple EFCOG sponsorship roles with the departure of Pat Worthington. Slides covering this are attached to the minutes.

David Compton provided this list of work underway or planned of potential interest to the group:

- DOE-HDBK-1169, Nuclear Air Cleaning – Resolving RevCom comments (DOE Lead: Patrick Frias)
- New DOE-STD-1269, Air Cleaning Systems – Resolving RevCom comments (DOE Lead: Patrick Frias)
- New DOE Handbook replacing EH-0545, Seismic Evaluation – Under development (DOE Lead: Dr. Sharon Jasim-Hanif)
- DOE-STD-1066-2016, Fire Protection – Evaluating contents of a revision (DOE Lead: Jim Bisker)
- DOE-STD-1020-2016, NPH – Evaluating need for a revision (DOE Lead: Dr. Sharon Jasim-Hanif)
- Software QA Guide 414.1-4 – Ready to Re-submit revision to DOE-wide RevCom review (DOE Lead: Christian Palay)

Sean Fargo inquired as to the possibility of the DOE-STD-1020 update requiring the 2018 IBC vice 2015 and agreed (and later passed the idea to Garrett who could forward it to Sharon).

After the call updates:

1. AU-11 notes that Handbook 1092 (Electrical Safety) is undergoing revisions in preparation for submission into REVCOM.
 2. Per AU, the draft DOE Guide 414.1-4A, *Software Quality Assurance Guide for use with DOE O 414.1D, Quality Assurance*, is to be placed in the Directives RevCom for review on February 25, with comments due on March 25. For more information on the Directives RevCom process, please go here: <https://www.directives.doe.gov/revcom>. There are also helpful links, reference materials, and contacts for support on this page too.
4. **Reports from Around the Complex**
- a. Top 3 Challenges (each site/contractor's chance to voice issues that others can learn from or help with) – several callers participated in this:

Hanford Mission Essential Services Contract (HMESC): Grant Ryan discussed the January transition from MSA to Hanford Mission Integration Solutions (HMIS), negotiating code of record for new projects, AHJ delegations...design review streamlining...

Hanford Tank Farms (WRPS): Dan Baide discussed Cs removal challenges, ORR planned for September...re-compete cancelled and expected in about a year...

Central Plateau Cleanup Contract (CPCC): Phil Harmon along with Sean Fargo discussed the recent change from WRPS to Central Plateau Cleanup Company (CPCCo)...onboarding some staff aug and adding task ordering...

INL: Mike Cates, who leads the Fire Protection Task Team for EPSG, mentioned fire door propping issues due to COVID concerns, mitigating with nanoseptic appliques (e.g., NanoTouch Materials' NanoSeptic Surface Products)...dealing with issues of poor NFPA pdf functionality (an inability to download from IHS subscription service) due to NFPA's new read-only approach...

SRR: Ken Wells discussed the new 25% occupancy rule that's limiting onsite workers to about two days/week...recruiting challenges...Parsons has brought SWPF and SRR hopes throughput can rise by 50% over current rate...

LANL: Tobin Oruch discussed project cost reduction pressure, reduction in number of design reviews delaying problem identification/correction, third-party jurisdiction and special inspection initiative...design engineer qual standard development, mentoring...

UCOR: Tommy Morgan discussed challenges with CGD, I&C engineer recruitment...

5. **Planning for an in-person meeting:** Currently on-hold due to COVID-19.
6. **Other Topics for discussion**
Mike Cates noted that he may be able to help others a bit with fire protection engineer recruitment as a result of his connections with the few universities with FPEs.
7. **Next Meeting**
Grant discussed a next call in 2-3 months; it was later decided to have that with the task leaders only in April and schedule another all-hands after that.

Attachments: Garrett Smith AU-30 presentation

THO:to 2/19/21

Callers

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AU-30 Program Update

Garrett Smith, Director
DOE Office of Nuclear Safety (AU-30)

February 9, 2021
EFCOG Engineering Subgroup



Recent Changes



- New Administration – new priorities
- COVID-19 policies – new ways of working together
- EFCOG Safety Group – new DOE sponsor/liaison
- EFCOG Safety Group – removing stovepipes



Upcoming DOE Reviews



- DNFSB report, 7/10/2020, Complex-wide implementation of the potential inadequacy of the safety analysis process
- DNFSB report, 8/7/2020, Violations of the nuclear safety basis
- DNFSB report, 10/29/2020, Management of HEPA filters in the safety basis
- DNFSB report, 1/21/2021, Nuclear facility hazard categorization standards



Continuing Priorities



- Active management of DOE technical standards and participation in national consensus standards
- Expertise and Staffing for Facility Design and Safety Analysis
- Effective Integration of Safety into Design
- Effects of Aging on Facility Design and Safety Basis
- Continued movement toward DOE-STD-3009-2014



Contact Info.



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Let us know how we can help!