

Date: 16 NOV 2023

Subject: CSSG In Person Meeting

Participants: Angela Chambers, Doug Bowen, David Erickson, Tom McLaughlin, Bob Wilson, Calvin Hopper, David Heinrichs, Kevin Kimball, David Hayes, Jim Mormon, Kevin Reynolds, Kermit Bunde, John Miller, Brandon Weathers (DNFSB), Braden Saltus (DNFSB), Fred Winstanley
By Phone: Jen Alwin, Jerry McKamy, Marsha Henley, Cris Eberle

Agenda:

Agenda	
Welcome/Introduction	Hayes
CSSG Election Results	Chambers
Minutes from past meeting	Hayes
Status of Annual Review	Hayes
Emeritus Role Tasking Status	Erickson
Status of DNFSB reviews of Y-12 and SRS	Erickson, Reynolds
Rule of Fractions	Hayes, McLaughlin
Round Table	All
Next Meeting	All

Discussion:

CSSG Election Results

Catherine Percher is the new member of the CSSG.
Kevin Reynolds is the new Deputy CSSG Chair.

Minutes from Past Meeting

No comments on the minutes from around the table.

Annual Review

Complete

Emeritus Role Tasking Status

The only comment received to date was from Tom McLaughlin (editorial). Final report coming within a couple of weeks (Erickson).

DNFSB Reviews

Y-12 and SRS both reported they are awaiting interim/final reports. No show stoppers reported. DNFSB rep reported that Y-12 last telecon completed last week. All interactions complete with all sites. Moving to work on reaching consensus on findings. Braden gave brief overview of scope of review. Broad scope review of NCS at LANL, SRS, and Y-12. Rough schedule for reports coming back is early next year so factual accuracy reviews can be conducted.

Next year work plan for DNFSB is to conduct a review of how DOE uses the CSSG in the middle to second half of the year.

Rule of Fractions

PNNL and OR did a computational study using ROF. Demonstrate conservatism relative to single parameter limits in standards.

CSSG topic is proper use of ROF stemming from a use at LANL involving Pu-238. Do we (the CSSG) need to draft a tasking on what is the proper use of the ROF. We don't want bad habits to get out into the wild. Lots of discussion. Erickson. Heinrichs. McLaughlin. Kimball. Wilson. (All had versions of why they thought this particular use of the ROF at LANL was inappropriate.)

Alwin – CSED's are being updated using a different methodology and retraining is in progress.

Kimball, McKamy, Winstanley – all had versions of opinions on why they thought it was appropriate for CSSG to weigh in.

Consensus of those present was that a tasking is needed. David Hayes will take a shot at drafting a tasking. Jim Mormon volunteered to review tasking draft. Ask Catherine to participate in the drafting process.

Roundtable:

- Hayes, Chlorine worth study paper by BJ Marshall at ICNC – calls into question whether tasking 2014-02 needs to be re-examined in light of changes over the last 10 years (RE: covariance data). Hayes will forward BJ's paper to the CSSG.
- Kimball, 2/12-16/2024 NCS Workshop at OR. Hayes will forward agenda. Need to make it clear that this is not a FEDS only meeting. Kermit will work on that.
- Angela, 3010 question – Kimball is reviewing. Nearing the end of first comment resolution in REVCOM. Going back out via REVCOM due to large number of changes in first round.
- Kimball, 421.1 – Need to get a look at the draft. There is a lot of chatter about folding NCS back into Safety Basis space. NCS not a good fit and want to make sure we don't go backwards. Same complaint from Safety Basis portions of DOE regarding 3007 and its guidance on what from NCS goes into the DSA. Kimball will talk to Brenda Hawks prior to NCS Workshop to get lowdown on specifics.
- DNFSB (Brandon) – thanks for opportunity to observe and participate. Happy to share contact info so more coordination can be done if desired.
- Heinrichs, JOWOG 30 meeting at Y-12 week before NCS workshop.

- Heinrichs, Adverse trend – getting harder for Universities to use SCALE and MCNP due to export control regulations. They are using OPENMC and other open source tools instead. Also has resulted in issues with user keys being requested for MCNP and SCALE versions. The question was raised as to what features make COG, MCNP, SCALE export control information whereas GEANT and OPENMC are not. Chambers to follow up with Andrew Lyman/NNSA.
- Erickson – is there a way to do better at getting tasking responses out to a broader community? Maybe use the periodic newsletter for NCSD or NCSP?
- Miller – ORPS newsletter would benefit by having trending and tracking data rather than just a litany of ORPS reports that have come out.
- Angela, Additional vacancy – Hicks is transitioning to emeritus at end of year. Should we affirm other candidate from just closed balloting or revisit the process in total? Hayes action to distribute experience matrix and we will then discuss in next CSSG meeting.
- Marsha – reminder to get updated CSSG Bio's done.
- Angela, DOE-NE, Inflation Reduction Act funding to support critical experiments. NE-42 person reached out to discuss a horizontal split table. Sandia to get funded to do a feasibility study.

Next CSSG Meeting:

The next face to face meeting will be at the TPR.

The next meeting of the CSSG will be a TEAMS meeting on 12/28/2023 at 1 pm eastern time.

The meeting was adjourned.

Recommendation Category	Specific Recommendation	Status
Revise Charter and Work Instruction	1, 2a, 2b, 2c, 3, 5, 8, 9, 10, 15, 16, 17, 18, 19	Approved by NCS Manager and posted to NCSP website COMPLETE
Proposed Taskings	6 DOE-wide review of criticality safety infractions	Decision to suspend tasking in favor of NCSP Activity COMPLETE
	21 Define emeritus member role	David Erickson agreed to lead.
NCSP Manager Action	7 Improve DNFSB staff interface	COMPLETE
	13 Establish DOE Regulatory Liaison role with CSSG	COMPLETE
	20 Decide if mentoring is in the CSSG scope	COMPLETE Angela confirms mentoring potential new CSSG members in scope
CSSG Chair/Deputy Chair Action	4 Schedule regular calls on 6-week basis	Teams Meeting established through OCT 2023 COMPLETE
	11 Post CSSG technical presentations on the NCSP website	COMPLETE
	12 Select CSSG member (Current or Emeritus) to function as CSSG Regulatory Liaison	COMPLETE
	14 Post CSSG briefings to DOE at discretion of NCSP Manager on the NCSP website	In Progress