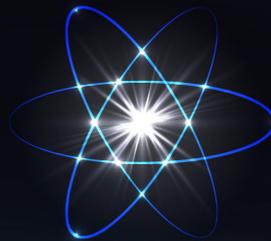




# The DOE CSSG: 2022 the Year in Review

NCSP TPR  
February 21-24, 2023

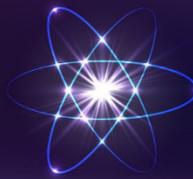


Presented by:  
**Dave Hayes**  
CSSG Chair



# OUTLINE

- Mission
- Current Members
- 2022 - Accomplishments
- 2023 – A Look Ahead
- Conclusions



## MISSION

- The primary function of the CSSG is to provide operational and technical expertise to the Department of Energy through the Nuclear Criticality Safety Program (NCSP) manager. The CSSG provides advice and technical support to help meet the criticality safety needs of DOE missions, including stockpile stewardship, materials stabilization, transportation, storage, facilities decommissioning, and waste disposal. The CSSG also makes recommendations for the implementation and execution of the coherent, efficient NCSP administered for the DOE by the National Nuclear Security Administration (NNSA).



## Current Membership of the CSSG

Name	Organization	Name	Organization
David Hayes, Chair	LANL	Mikey Brady, Deputy Chair	PNNL (retired)
David Erickson	SRNS	Dave Heinrichs	LLNL
Jerry Hicks	NNSA (Retired)	Tom McLaughlin	LANL (Retired)
Jim Morman	ANL	Kevin Reynolds	Y-12 National Security Complex
Jennifer Alwin	LANL	Robert Wilson	DOE-EM



## 2022 –Accomplishments

- Completed Taskings
  - 2022-01 CSSG Guidance to NNSA on Contract Transition Regarding Criticality Safety
  - 2022-02 CSSG Self-Assessment



## Contract Transition Recommendations (Highlights)

- Ensure criticality safety is formally identified as a functional area with its own performance metrics so that the contractor and field office can effectively assess the integrated health of the criticality safety program.
- Ensure that the impacts of staff loss due to change of benefits and reorganization do not adversely impact the criticality safety organization.
- Consider specific actions to retain key personnel (e.g., who retire due to change of benefits) as contractors to ensure a smooth transition.
- Ensure a healthy NCSC that is actively engaged by senior management.
- Ensure that contractors are not driven to a “mission safe essential” program mentality where continuous improvement is sacrificed for cost savings.



# Self-Assessment Recommendations

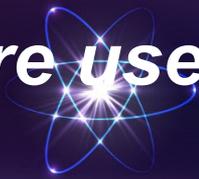
Recommendation Category	Specific Recommendation
<b>Revise Charter and Work Instruction</b>	1, 2a, 2b, 2c, 3, 5, 8, 9, 10, 15, 16, 17, 18, 19
<b>Proposed Taskings</b>	6 DOE-wide review of criticality safety infractions 21 Define emeritus member role
<b>NCSP Manager Action</b>	7 Improve DNFSB staff interface 13 Establish DOE Regulatory Liaison role with CSSG 20 Decide if mentoring is in the CSSG scope
<b>CSSG Chair/Deputy Chair Action</b>	4 Schedule regular calls on 6-week basis 11 Post CSSG technical presentations on the NCSP website 12 Select CSSG member (Current or Emeritus) to function as CSSG Regulatory Liaison 14 Post CSSG briefings to DOE at discretion of NCSP Manager on the NCSP website



## 2023 – A Look Ahead

- Current Taskings
  - 2022-03 LANL Request for NCS Assistance
    - Draft Tasking Response in review, expect to issue next week
- Complete implementation of self-assessment recommendations
- Focus on improving the visibility and relevance of the CSSG

# How can CSSG be more useful to the community?



- Training: Criticality Safety Officer Training, other needs?
- Additional Tools/Communication Venues:
  - Improve website by making the Taskings searchable, use of keywords for example?
  - Would NCSD members like to be on distribution for CSSG Taskings?
- Regulations: Issues/concerns with particular regulatory concerns that provide burden with questionable benefit?
- Specific challenges at sites that could benefit from CSSG experience and broad perspective?



## Conclusions

- The CSSG is active and always seeking opportunities to assist.
- The CSSG is striving to be a strong, unified voice, bringing reason to and/or keeping reason in Criticality Safety.
- The CSSG is well positioned to continue their support role into the future.
- The CSSG welcomes your input/ideas:
  - [dkhayes@lanl.gov](mailto:dkhayes@lanl.gov)
  - [bradyraapm@ornl.gov](mailto:bradyraapm@ornl.gov); [mikeybrady@aol.com](mailto:mikeybrady@aol.com)
- <http://ncsp.llnl.gov/cssgMain.html>