

CSSG TASKING 2014-05
Date Issued: October 16, 2014

Task Title: *CSSG Position on Evacuation and Criticality Safety*

Task Background:

ANSI/ANS-8.1 requires that:

“Before a new operation is begun or an existing operation is changed, it shall be determined that the entire process will be subcritical under both normal and credible abnormal conditions.” Design Basis events (e.g., a seismic event with subsequent facility disruption) frequently pose the most significant, concurrent, consequences to evaluate.

ANSI/ANS-8.10 allows for reduced conservatism in the process analysis if the following criteria are met:

“The provisions of this standard may be applied only in those shielded facilities which meet the following criteria:

- a. All operations and manipulations involving fissile and fissionable materials are conducted remotely by persons located outside the shielded area, and
- b. Shielding and confinement provided are adequate to meet the radiation dose limits set forth in this section.”

The CSSG has addressed this topic previously; reference Tasking responses 2010-01, 2011-04 and 2013-01. However, it appears that some are trying to expand upon the prior CSSG position(s) and there seems to be some confusion relative to the application of 2011-04.

Task Statement:

The CSSG is being tasked with drafting a consensus position to clarify and summarize the CSSG’s positions taken previously where it touches on the interplay between these two Standards.

Resources:

CSSG Task 2014-05 Team Members:

- David Erickson (Team Leader)
- CSSG writing team members to be identified during kickoff telecom

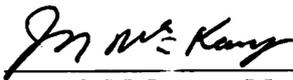
Contractor CSSG members of the team will use their FY14 NCSP CSSG support funding as appropriate; DOE CSSG members of the team will utilize support from their site offices. Emeritus CSSG members may participate on their own. No travel is necessary to support this tasking.

Task Deliverables:

1. CSSG to hold task ‘kickoff’ telecom by October 21, 2014

2. CSSG Team Lead to provide DRAFT position by October 22, 2014
3. Full CSSG to provide review of DRAFT position by October 24, 2014
4. CSSG Team Lead to provide draft FINAL position to full CSSG for consensus vote by October 27, 2014.
5. Full CSSG to provide vote on draft FINAL position by October 29, 2014.
6. CSSG Team Lead to provide results of vote and FINAL consensus position to NCSP Manager by October 30, 2014.

Task Completion Date: October 30, 2014

Signed:  10/15/2014
Jerry N. McKamy, Manager US DOE NCSP
Director NA-00-10