

SPEAKER / PRESENTATION INFORMATION

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Biography	<p>Dr. Jerry N. McKamy is the Director of the Facilities and Operations Division (NA-172.1) within the National Nuclear Security Administration (NNSA) Office of Nuclear Safety and Operations, NA-17. He manages a staff responsible for the ~\$1.6B/yr Readiness in Technical Base and Facilities (RTBF) Operations and Facilities budget that maintains readiness for all NNSA sites. Dr. McKamy is also the DOE Nuclear Criticality Safety Program (NCSP) Manager that establishes the criticality safety research and infrastructure maintenance program for the DOE. He received his Ph.D. in experimental nuclear astrophysics from Ohio State University (1982).</p>		
Title	<i>The Ten Year Mission Vision for the DOE Nuclear Criticality Safety Program</i>		
Abstract	<p>For the past decade the, Department of Energy (DOE) Nuclear Criticality Safety Program (NCSP) has been chartered with maintaining the technical infrastructure supporting nuclear criticality safety.</p> <p>The DOE NCSP Mission is to provide sustainable expert leadership, direction, and the technical infrastructure necessary to develop, maintain, and disseminate the essential technical tools, training, and data required to support safe, efficient fissionable material operations within the DOE. The NCSP Vision is to be a continually improving, adaptable, and transparent program that communicates and collaborates globally to incorporate technology, practices, and programs to be responsive to the essential technical needs of those responsible for developing, implementing, and maintaining nuclear criticality safety.</p> <p>The mission and vision will be achieved by identifying and accomplishing a set of five-year programmatic goals in six broad technical program elements that support identified ten-year goals. The yearly implementation plans to accomplish these goals will be developed with the advice and assistance of experts appointed by the NCSP manager or working under charters approved by the NCSP manager. The six technical program elements are:</p> <ul style="list-style-type: none"> • Analytical Methods • Information Preservation and Dissemination • Integral Experiments • International Criticality Safety Benchmark Evaluation Project • Nuclear Data • Training and Education 		

The criticality safety research goals of the NCSP in the areas of Integral Experiments, Analytical Methods, and Nuclear Data will be discussed. In addition, an update on the US-French collaboration to establish a joint critical experiments research capability in Valduc will be presented. The goal of the joint collaboration is to provide a general purpose super-prompt critical actinide solution assembly and a large multipurpose horizontal split table capability. Together these two systems will provide important data for future fuel cycles and waste disposal applications in conjunction with the existing DOE Critical Experiments Facility (CEF) at the Nevada Test Site.