

**2004-1 IP CTA Implementation Aspects
September 2007 Status**

Attachment 2

Aspects of the Department's Plan to Establish the CTA	Status
<p>1. Define the detailed functions, responsibilities and authorities for the CTA.</p> <p>2. Update the Department Functions Responsibilities and Authorities Manual (FRAM).</p>	<p>The DOE FRAM has been updated to include the CTA functions, responsibilities, and authorities. The directed revision to the FRAM was documented in letter to the DNFSB dated April 26, 2005. The FRAM was updated and approved on June 22, 2007 to include detailed functions, responsibilities and authorities of the Energy, Science and Environment CTA and CNS.</p>
<p>3. Complete a staffing analysis for technical experts to support the CTA.</p> <p>4. Fill the positions for supporting technical experts.</p>	<p>The Department concluded that the Office of the Chief of Nuclear Safety should be a small group of recognized experts with diverse technical education and experience who would provide operational awareness and technical nuclear safety advice to senior Energy line managers. The Office of the CNS has been established, and eight key technical positions were identified including:</p> <ul style="list-style-type: none"> • Chief of Nuclear Safety • Nuclear Engineer • Mechanical Engineer/Acquisition Professional • Nuclear Safety and Operations Engineer • Safety Engineer • Nuclear Safety Engineer • Quality Assurance (QA) Engineer • Software Quality Assurance Engineer • Nuclear Facilities and Tritium Risk Specialist <p>The CNS was selected as a respected expert in the field of nuclear safety. All the planned positions on the staff of the CNS were filled with permanent career Federal employees of the highest caliber. The results of the initial staffing of the Office of the CNS were documented in a memorandum for the Secretary of Energy dated October 27, 2006, and in a letter to the DNFSB dated October 30, 2006. One position, Nuclear Safety Engineer (now Seismic Engineer), however, has been vacated by a member who left to work for the CDNS; this position will be filled.</p>

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<p>5. Define technical qualifications for the CTA and support staff.</p>	<p>The CNS and the seven “technical lead” positions have all been designated as Senior Technical Safety Managers (STSM) per the DOE technical qualification program. All of the personnel filling the technical positions identified above are either fully qualified as STSMs or are on schedule to complete their qualifications. Note that nearly all CNS staff members have completed Safety System Oversight qualifications; three CNS staff members have completed Nuclear Executive Leadership Training; and all members are pursuing Auditor qualifications as per ASME NQA-1b-2007, <i>Quality Assurance Requirements for Nuclear Facility Applications</i>.</p>
<p>6. Define the processes and protocols for fulfilling the CTA roles and responsibilities.</p>	<p>As indicated previously, DOE Directives and CNS Standard Operating Procedures (SOPs) are in place to define the processes and protocols to execute CTA functions.</p>
<p>7. Describe how the CTA will interface with other organizations.</p>	<p>The functions, responsibilities and authorities of the CTA and CNS, as well as the procedures and protocols for interacting with other DOE elements, have been added to DOE Directives, and captured in the CNS SOPs. Further, DOE O 410.1, <i>Central Technical Authority Responsibilities Regarding Nuclear Safety Requirements</i>, was issued on August 28, 2007 and identifies CTA authorities and actions for specific regulations and directives, establishes related responsibilities and requirements for other Departmental elements, and establishes responsibilities and requirements for addressing nuclear safety regulations and directives in contracts.</p>
<p>8. Establish an operating budget for fulfilling CTA duties.</p>	<p>The Office of the CNS has an operating budget which covers travel, training, and the use of outside experts and support service contractors necessary to support the functions of the CTA.</p>