

Nick A. Sandoval

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P R O F E S S I O N A L E X P E R I E N C E

USDOE/AL: Los Alamos Area Office

I am a safety analyst with the Department of Energy, Los Alamos Area Office assigned to the Safety and Authorization Basis Team to provide technical review of Authorization Basis (AB) documentation. The AB documentation includes Safety Analysis Reports, Technical Safety Requirements, Hazard Analysis Reports, Basis for Interim Operations and other AB documents. I provide technical review for AB documentation submitted to the DOE for review and provide recommendations to the Senior Authorization Basis Manager (SABM) regarding approval or disapproval. I provide coordination with Los Alamos National Laboratory facility management counterparts for AB project prioritization and completion. I provide interim and final reviews of AB documents and provide guidance to the Laboratory to assure analyses meet DOE requirements. I am currently making progress towards meeting qualification requirements defined in the DOE Safety Analyst Technical Qualification Program.

US DOE/AL: Safety Analysis and Support Division

October 1998 - Present

I was a safety analyst with the Department of Energy Albuquerque Operations Office, Safety Analysis and Support Division, assigned to the Nuclear Explosive Operations team to provide technical review of authorization basis documentation such as Safety Analysis Reports, Technical Safety Requirements, Hazard Analysis Reports, Basis for Interim Operations, and other safety related documents. I provided technical guidance to AL line management regarding the adequacy of hazards analysis and controls for nuclear weapon operations. I was also the team leader for the W62 Safety Basis and the Defense Programs Transportation Risk Assessment (DPTRA) reviews. I also participated as a team member on the W76 and W87 Safety Basis reviews.

US DOE/AL: Transportation Safeguards Division

June 1992 - October 1998

I was the Team Leader of the Equipment R & D Team for the Transportation Safeguards Division which included supervisory duties and responsibilities. My duties involved the program management of mechanical engineering efforts associated with the procurement, research, development, design, production, maintenance and retirement of specially-designed vehicles (tractors, safe-secure trailers and escort vehicles) used in the Transportation Safeguards System for secure over-the-road transport of nuclear components and other hazardous materials.

US DoD: Naval Weapons Evaluation Facility**August 1984 - June 1992**

I was a Senior Weapon System Engineer assigned to Navy nuclear-capable delivery systems, where I was responsible for ensuring nuclear weapon safety requirements were met and for ensuring continued certification of systems to carry and deliver nuclear weapons. My assigned systems included the S-3A/B with the B57 nuclear depth bomb, the SH-3H helicopter with the B57 nuclear depth bomb, Posiedon, Trident I and Trident II systems. I was also a member of various system and weapon Project Officer Groups. As lead engineer, I was the Navy's technical representative on various weapon system reviews, including Nuclear Weapon System Safety Reviews. I was also responsible for planning and oversight of flight testing, weapon ballistic verification testing, and other testing related to continued nuclear weapons certification.

E D U C A T I O N

Bachelor of Science, Mechanical Engineering, University of New Mexico, May 1984

R E F E R E N C E S

Ms. Karen L. Boardman	DOE/AL/WPD	Mr. Louis F. Restrepo	Omicron, Inc
Mr. Steven A. Fellows	LANL (ESA-WMM)	Mr. Timothy P. Driscoll	DOE/AL/IRMD