

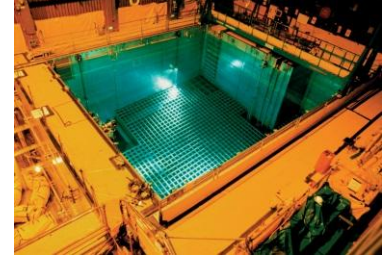


## CONDUCT OF OPERATIONS/ INTEGRATED SAFETY MANAGEMENT SYSTEM

**HukariAscendent** has a cadre of senior experienced professionals that have assisted numerous facilities to integrate and formalize their operations as required under DOE Order 422.1, Conduct of Operations (CONOPS) for DOE Facilities and the Integrated Safety Management System (ISMS) requirements of DOE Acquisition Regulation Clause 48 CFR 970.5223-1. Our experts have the high level facility management experience to see the big picture at each facility and how to achieve an integrated CONOPS/ISMS program. Our team can help with each phase of formalizing operations starting with a review of current operations, facility, resources, policies, accountability, management training, and safety. **HukariAscendent's** experience encompasses the development of CONOPS programs at multiple DOE facilities, including lessons learned, to avoid trial by error. We assess the applicability of requirements to each facility and develop an implementable applicability matrix. Our experts mentor operations, maintenance, and engineering teams to achieve an integrated program. We have developed and/or validated the developmental process of CONOPS Manuals to document how the facilities will achieve the formality of operations the client desires. **HukariAscendent** has developed implementing operational procedures, guidelines, training, and has also helped coordinate implementation of CONOPS with maintenance, engineering, safety, and other key disciplines, as required.

### ELEMENTS INCORPORATED INTO THE CONDUCT OF OPERATIONS

- Shift Routines and Operating Practices
- Control Area Activities and Load Changes
- Communications
- On-Shift Training
- Investigation of Abnormal Events
- Equipment and System Status



- Lockouts and Tagouts
- Independent Verification
- Security Programs
- Security Vulnerability Assessment
- Operations Turnover
- Operations Aspects of Facility Chemistry and Unique Processes
- Required Reading
- Timely Orders to Operators
- Operations Procedures
- Operator Aid Postings
- Equipment and Piping Labeling

### ISMS and INTEGRATION

The ISMS formalizes DOE-wide safety management objectives, guiding principles, and functions. It integrates safety into all aspects of facility management and operations. ISMS and CONOPS are more than simply developing manuals that cover each required element; they must be implemented.

**HukariAscendent** has the experience to integrate Operations, Engineering, Maintenance, and Training into a coherent CONOPS program consistent with the functions, principles, and guidelines of ISMS.

#### **Project Performance and Customer Satisfaction**

At **HukariAscendent** we recognize that it is not only our reputation that is on the line, but that of our clients as well. Our corporate mission is to provide only the highest quality service and long-term value to our customers through well-defined, proven methodologies and experienced, dedicated, and innovative staff. Our mission success is affirmed by the satisfaction expressed by our customers (sites and companies).

**Conduct of Operations/ISMS Support – Los Alamos National Laboratory** – Support for nuclear and non-nuclear facilities, including a variety of oversight assessment functions. Completed detailed evaluations of CONOPS for multiple divisions. Developed ISMS for the safe, secure and compliant operation of laboratory nuclear facilities. Worked with personnel to resolve identified gaps and incorporate CONOPS requirements into routine daily operations. Provided engineering and management support for Formality of Operations and Conduct of Engineering rollout sitewide to address DNFSB concerns. Performed Conduct of Operations, Conduct of Maintenance and Conduct of Training at Chemistry and Metallurgy Research facility, Environmental Waste Management Organization (Area G and RANT), and TA-55.

**Conduct of Operations/ISMS Support – Oak Ridge Site** – Senior Management Mentor for the introduction of formal CONOPS at the Y-12 Plant restart of nuclear operations in three major facilities shut down for safety reasons. Prepared managers and employees for a major Readiness Review including nuclear material handling, maintenance, training, procedure compliance, environmental regulatory compliance, nuclear safety, and corrective action management and verification.

**Conduct of Operations/ISMS – Argonne National Laboratory** – Development/implementation of several Nuclear Operations Division (NOD) manuals, including Conduct of Operations, Conduct of Engineering, Conduct of Training and Conduct of Maintenance. Provided instruction to NOD personnel on the elements of Conduct of Operations. Mentored Facility Managers in the required formality and rigor for a nuclear facility. Assisted in the development and implementation of Conduct of Operations Implementing Procedure for Building 200 MA/MB-Wings.

**Conduct of Operations/ISMS Support – Pantex Plant** – Manager and mentor for the introduction of formal Conduct of Operations and Readiness Reviews. Supported plant-wide implementation of ISMS, Configuration Management, Change Control, Integrated Work Management Control and Transportation requirements.

**Conduct of Operations/ISMS Support – Hanford Site** – Perform ISM reviews and actively participate in hazards reviews to support the nuclear safety functional area. Supported ISMS development, implementation and assessment in support of obtaining ISMS certification. Provided lead oversight for nuclear facility drills (Ops and EP), training including development of the Abnormal Event Checklist for Nuclear Chemical Operators In-Field Training, new web based Automated Job Hazards Analysis, CONOP Abnormal Event Training, and Human Performance Improvement (HPI) Human Error/Causes Training for the sludge projects. Performed HPI analyses. Revamped the CONOP Council meeting agenda with a greater participation of the bargaining unit. Through increased bargaining unit/management participation was able to reduce CONOP issues by 50% in six months. CONOP program was rated best at Hanford by Contractor ORR Team

**Conduct of Operations Support/ISMS – Idaho Site** – Provided ISMS Phase I and Phase II support. Developed system process diagrams imitated throughout the Complex. Validated Conduct of Operations training materials.

**Conduct of Operations/ISMS Support – Portsmouth Site** – Technical/managerial support for implementation of Integrated Safety Management to ensure effective and efficient ISMS processes and programs. Participated in independent review of the ISMS implementation to determine the effectiveness and adequacy of performance to declare readiness of DOE Phase II Verification. Evaluated implementation of Conduct of Operations, Conduct of Maintenance, Work Planning and Control, and Job Hazard Analysis, practices and procedures that provide the core support of ISMS.

**Conduct of Operations/ISMS – Livermore National Laboratory** – Support Nuclear Operations Directorate with institutional ISMS certification efforts. Provide requirements flowdown to Conduct of Operations, engineering, packaging, transportation and waste management.

**Conduct of Operations/ISMS – New Brunswick Laboratory** - Conducted an assessment of processes including Conduct of Operations, and then provided technical personnel to develop Conduct of Operations procedures and associated training.