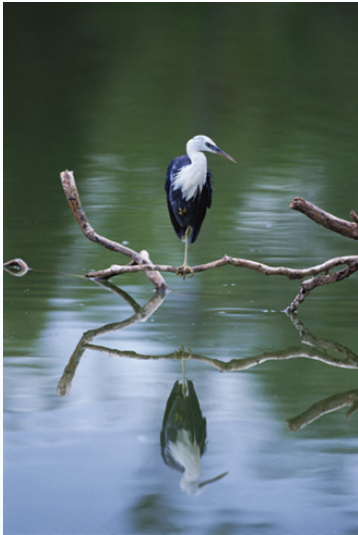




Meeting Environmental, Health, and Safety Management Systems Challenges



This series of fact sheets highlights our expertise in Environmental Management Systems and related service areas and covers the following topics:

- Building the Business Case for Environmental Management Systems
- Environmental Management Systems for Federal Facilities
- **Meeting Environmental, Health, and Safety Management Systems Challenges**

In response to an increasing need for more effective and efficient management of environmental and health and safety (EHS) issues, organizations around the world are embracing the systematic approach provided by management tools such as Environmental Management Systems (EMS), and Health and Safety Management Systems (HSMS). Worldwide interest has resulted in a set of international consensus standards and guidelines defining the core elements of an EMS or HSMS. The most popular EMS framework is the ISO 14001 standard for environmental management systems. Other similar frameworks for EMS and HSMS include the U.S. Environmental Protection Agency (EPA)'s Code of Environmental Management Principles (CEMP), Responsible Care, the National Environmental Performance Track Program, the European Eco-Management and Audit Scheme, the International Occupational Health and Safety Assessment Series 18001, and the U.S. Occupational Safety and Health Administration's Voluntary Protection Program.

ICF International assists public sector organizations in establishing management systems (MS) to improve EHS performance and meet environmental and health and safety challenges, and to demonstrate compliance with the requirements from the MS frameworks mentioned above.

Our Approach

The basis of a good EMS or HSMS is risk management. These risks include threats to the environment, local community, or employees; liabilities and costs of non-compliance; delays in implementing projects or organizational mission; low performance ratings or public image; and damage to stakeholder relationships. ICF helps organizations establish methods to evaluate these risks, set objectives, and plan and implement programs and procedures to manage them.

ICF develops MS solutions unique to each organization based on its characteristics, culture, and existing management processes. Implementing a formal EMS or HSMS model requires a customized and unique approach using these models as building blocks.

Our MS experience with public- and private-sector clients has taught us to emphasize improved performance, as well as program efficiency and effectiveness beyond "standards". Our approach is focused on leveraging common management system attributes through better alignment and integration of the various EHS management tools.

The following are some of the services ICF can provide with respect to EHS management systems:

- Evaluate the initial state of the existing management system
- Develop a risk-based approach for identification and evaluation of EHS issues
- Establish a comprehensive strategy for improving EHS performance through the setting of objectives and performance indicators, and planning and implementation of programs
- Assist with the development of EHS supporting documentation
- Help select and implement performance-monitoring mechanisms, and establish a corrective action strategy
- Develop EHS management system awareness training tools
- Develop an integrated EHS management system audit program

For those organizations willing to seek third-party registration of their management system to the requirements of an international EHS framework such as ISO 14001 or OHSAS 18001, ICF can help them attain registration readiness.

Our Approach (continued)

Benefits of Management Systems

ICF's perspective on management systems is derived from extensive practical experience and distinguished professionals. This serves as the foundation of our commitment for meeting our clients' expectations. Our EHS management systems services can help you:

- Obtain a clear understanding of the status of current systems against management system frameworks
- Move from a reactive to a proactive management approach
- Empower stakeholders with the management of EHS risks
- Move beyond compliance
- Achieve improved EHS performance
- Improve management effectiveness and efficiency
- Streamline compliance with the National Environmental Policy Act and other public stewardship requirements

The Systematic Approach Applied to Compliance

When applied to compliance with applicable laws and regulations, the systematic approach helps you:

- Identify weaknesses in the current compliance management structure or processes
- Establish an effective process for identifying legal requirements applicable to the organization's activities, products and services
- Enhance internal communication mechanisms (including training) around legal obligations
- Clarify the impact of legal requirements on the work performed by the non-EHS professionals

Featured Solutions

EMS Development and Testing for U.S National Aeronautics and Space Administration (NASA). ICF developed and assisted with pilot testing an agency-wide EMS. This system was expressly designed to comply with the principles and performance objectives of the Code of Environmental Management Principles (CEMP) articulated by the U.S. Environmental Protection Agency (EPA) as well

as the ISO 14001 Standard in compliance with Executive Order 13148. We prepared an agency-wide EMS Procedures Manual, and reviewed and analyzed the suitability of existing NASA procedures and work practices for inclusion in a formal EMS. Implementation of the EMS is being integrated with OSHA VPP, ISO 9000 and Center Business Management systems as it is rolled out across the agency.

ISO 14001 EMS Gap Analysis and Conformance Plan, Pennsylvania Department of Transportation (PennDOT)

ICF audited the environmental compliance and management function, focusing on conformance to the ISO 14001 standard and to newly developed SEM principles and objectives articulated by Pennsylvania's Governor. ICF prepared a comprehensive conformance plan that, if implemented, will allow PennDOT to achieve conformance to the ISO 14001 standard and other Departmental goals.

U.S. Postal Service (USPS) Facility Safety and Health Program.

ICF conducted 252 EHS evaluations at USPS sites during an eight-month period with a full-time team of more than 30 staff at facilities nationwide (including Alaska, Hawaii, and Puerto Rico). The process used an adapted OSHA process suited to USPS requirements.

About Our Staff



ICF's Environment, Health and Safety Management experts have been providing high-quality, innovative EHS solutions for more than a decade. We maintain a cadre of seasoned professionals that allows us to assemble the best team for each project, including experts in:

- Business Strategy and Finance
- Chemical, Civil, and Environmental Engineering
- Environmental and Analytical Chemistry
- Environmental and Safety Management
- Hydrogeology, Geology, and Ecology
- Industrial Hygiene and Environmental Health
- Toxicology and Epidemiology
- Transportation and Process Safety

About ICF International

ICF International (www.icfi.com) partners with government and commercial clients to deliver consulting services and technology solutions in defense, energy, environment, homeland security, social programs, and transportation. Combining passion for our work with industry expertise and innovative analytics, we deliver compelling results throughout the entire program life cycle, from analysis and design through implementation and improvement. Since 1969, ICF International has been serving government at all levels, major corporations, and multilateral institutions. More than 1,600 employees serve these clients worldwide.

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