



Environmental Management Systems for Federal Facilities



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](#)

Strengthening Federal Environmental, Energy, and Transportation Management Executive Order 13423 (EO 13423) requires each Agency to develop and implement an Environmental Management System (EMS). This requirement flows from and expands on previous EOs. In doing so it strengthens the government's resolve to demonstrate environmental leadership, reinforces the imperative to develop strategies, programs, policies, and procedures that will be necessary for success, and explicitly directs Agency senior level managers to enjoin the pursuit of environmental performance improvement. For most Agencies, designing and implementing an EMS will require a shift in thinking, new organizational strategies, and a potentially significant amount of additional resources. If properly planned and executed an EMS can provide major benefits, largely as a result of more efficient use of Agency financial and human resources. Where Agencies already have EMSs, this EO is a driver for improvement and for expansion of the EMS's scope--energy, transportation and sustainability management are now part of the purview. It also guides Agencies to develop organizational EMSs wherever appropriate.

ICF offers a broad array of environmental services to help Federal Agencies design, build, and implement an EMS.

Our Approach

ICF is a leader in assessing organizational capabilities relative to emerging expectations and in charting and conducting a course of defined EMS development implementation and improvement activities.

ICF provides tailored assistance to help Agencies meet the following requirements of EO 13423:

- Evaluate current systems against management system standards
- Develop, draft, and finalize an agency EMS policy
- Decide on measures to determine which facilities and organizations are required to implement an EMS
- Estimate and allocate appropriate resources for EMS design and development
- Build and utilize implementation guidance to assist in EMS development
- Determine EMS self-declaration protocols
- Prepare or deliver EMS and environmental awareness training for senior-level managers and other staff, as appropriate.
- Develop management system audit protocol
- Design and develop an environmental compliance auditing program

Beyond the EO requirements, ICF also works to assist in Agency EMS design, implementation and improvement to achieve:

- Increased consistency and efficiency in management system operations
- Documentation of environmental roles and responsibilities
- Elevated use of information technologies to manage and track environmental risks
- Development of an environmental communications strategy
- Functional EMS integration with the mission and safety, health, and security where desirable.
- Organizational EMS development and EMSs for Agency head offices.

In addition to these, an EMS should contain at a minimum certain key components. ICF provides support to ensure that these elements -- the building blocks of an EMS --are in place.

Featured Solutions

EMS Development, Testing and Improvement for U.S. National Aeronautics and Space Administration (NASA).

ICF developed and assisted with pilot testing an agency-wide EMS. ICF worked with all NASA sites with EMS process with implementation across NASA including on the ground work supporting many NASA sites. After several years of operation ICF assisted with a full review and continual improvement of the EMS across NASA. ICF has received 2 NASA awards for work on this project. NASA has consistently been a Federal leader in EMSs and is a reference standard for all other federal agencies.

EMS Development and Implementation Planning, U.S. General Services Administration, Public Buildings Service (GSA-PBS).

ICF developed a nationwide EMS for the nation's largest commercial-style real estate ownership and management organization. We assisted in developing an overall EMS strategy, provided EMS training to key PBS headquarters and regional personnel; developed detailed work plans for regional pilot tests of key EMS elements, and the Core EMS Desk Guide. ICF Consulting developed a nation-wide series of guidance documents for all regions to use. The EMS development project involved numerous strategies to build buy-in across the organization. We also assisted with internal marketing of the program, policy enhancement, business process changes, development of supporting regional and national meetings for the development of the initiative, new initiatives for greater use of information technology.

Missile Defense Agency EMS and Program Support. ICF developed MDA's EMS and through on-site consultation supports the Environmental Program as it pursues environmental stewardship and compliance assurance for all MDA test and deployment activities worldwide. ICF provides MDA a wide range of environmental management support, including: developing policy, directives, and strategies for environmental management; developing and maintaining MDA's EMS and MDA's E.O. 13423 compliance program; aligning the EMS with existing NEPA processes; programming and tracking MDA's environmental budget; monitoring and reporting on environmental liabilities; facilitating management review briefings; conducting compliance and EMS audits; conducting mitigation monitoring and multimedia sampling; preparing environmental baseline surveys, permit applications, and supporting siting surveys; reviewing MDA contracts and other agreements to ensure inclusion of appropriate environmental requirements; and developing environmental awareness training for >7,500 employees.

EMS Development and Strategic Advice, U.S. Department of Energy (DOE). ICF provided training management systems integration and ISO 14000 and coordinated a series of workshops for DOE's Office of Fossil Energy. Assistance was also provided in EMS auditing programs. ICF Consulting also assisted DOE's Albany Research Center and Rocky Mountain Oil Technology Center and thru a multi year EMS support contract, the Office of Long Term Stewardship.

EMS Development and Implementation, Internal Revenue Service. ICF is assisting the IRS with EMS development at a program level and on site and at 15 major sites across the nation. Assistance is being provided with EMS and compliance audits, EHS program development, stewardship and sustainability initiatives. The EMS is now being expanded to include safety and health aspects.

Federal Aviation Administration Office of Commercial Space Transportation Environmental Management System Program Support ICF developed an EMS Manual, Annual Awareness Training, Refresher Training, and a Management Briefing for the Office of Commercial Space Transportation (AST). ICF is currently assisting AST with ongoing improvements and implementation of their EMS, including preparation for management reviews, training, internal audits, and external audits. ICF is assisting AST in the development and achievement of new targets and objectives. ICF is currently developing an EMS guidance document that would encourage and assist entities to which FAA has issued a license or permit to develop their own EMS.

Environmental Management Information System (EMIS) Recommendation ICF assisted the Department of Homeland Security (DHS) and all 11 of its operating elements in defining an environmental sustainability information management system or EMIS for the entire agency in support of all areas of environmental operations across this complex organization. This is a part of the overall approach across DHS to functionally integrate operations from the 22 agencies from which DHS was formed.

About ICF International

ICF International (NASDAQ: ICFI) partners with government and commercial clients to deliver consulting services and technology solutions in the energy, climate change, environment, transportation, social programs, health, defense, and emergency management markets. The firm combines passion for its work with industry expertise and innovative analytics to produce compelling results throughout the entire program life cycle, from analysis and design through implementation and improvement. Since 1969, ICF has been serving government at all levels, major corporations, and multilateral institutions. More than 3,000 employees serve these clients worldwide. ICF's Web site is www.icfi.com.

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