

Safety and Environmental Services

Safety Services



"Safety is no accident"

CSSI's commitment to improving safety issues includes not only understanding why events or accidents occur, but also what can be done to prevent them. Air traffic organizations, airports, governments, and airlines must work in unison to achieve the safety record demanded by the traveling public. CSSI employs a staff of air traffic control specialists, airline pilots, and technical subject matter experts that help develop proactive safety solutions, including the development and maintenance of safety management systems, voluntary safety reporting programs, and fatigue risk management programs.

Experience

CSSI has been instrumental in promoting and implementing safety-related solutions and systems within the Federal Aviation Administration (FAA).

Air Traffic Safety Action Program (ATSAP)

ATSAP is the largest non-punitive voluntary safety reporting program of its kind in the world covering over 17,000 air traffic personnel throughout the U.S. CSSI provides program expertise and innovative Web-based solutions for data collection, data mining, and analysis tools, which have garnered high praise from the FAA.

Safety Management System (SMS)

As stated in the FAA Flight Plan 2008-2012, the FAA plans to implement a Safety Management System (SMS by fiscal year 2010. CSSI is working together with the FAA

to develop and deploy the SMS for the FAA's Air Traffic Organization (ATO). The SMS formally integrates the ATO's safety-related operational processes, procedures, policies, and programs. As such, SMS promotes a proactive safety culture within the FAA.

CSSI offers a full line of safety expertise:

Safety Management Services

- ✦ Full life cycle support for SMS Implementation
- ✦ Safety Risk Management Panel Facilitation
- ✦ Development of Safety Risk Management Documents (SRMDs)
- ✦ Test-Case Initiatives
- ✦ SRM Program Management
- ✦ Safety Database Management
- ✦ Safety Hazard Analysis
- ✦ Safety Analysis future operations (e.g. FAA NextGen Operational Improvements)
- ✦ Safety Culture Surveys & Program Management Surveys

Safety Training Services

- ✦ FAA Certified Web-based SMS Training
- ✦ Conduct SRM workshops
- ✦ Operations Practitioner training, Engineering Practitioner training, Operations Practitioner Train-to-Trainer training
- ✦ SMS/SRM Instruction

Fatigue Risk Management Services

- ✦ Training Programs
- ✦ Scheduling database
- ✦ Feedback mechanisms

Safety Reporting Services

- ✦ Non-punitive voluntary safety reporting system (full life cycle support, web based reporting, database, training, analysis support)
- ✦ Safety data analysis
- ✦ Integration of safety data reports

Environmental Services



CSSI's operations staff and scientists combine to provide unique expertise in the area of Environmental Services, specifically in the area of transportation air quality and emission inventories.

Our experience and knowledge in developing leading environmental airport models, such as Aviation Environmental Design Tool (AEDT) and Emissions and Dispersion Modeling System (EDMS), allow us to provide specialized services to our customers including airport emissions data for Environmental Impact Statements (EIS), Environmental Assessments (EA), and Emission budgets for Airports. Information derived from CSSI developed environmental models have also been used to develop emission inventories used for State Implementation Plan (SIP) budgets, general conformity determinations and applicability analyses for airport activities under the National Environmental Policy Act (NEPA).

CSSI has been active in developing guidance and programming in EDMS to support the Voluntary Airport Low Emission (VALE) program. The generation of emission credits on airport development projects may be used at a later date to satisfy General Conformity and other requirements under the Clean Air Act.

Proposed new EPA regulations and congressional legislation will potentially have profound effects on the way in which organizations conduct their operations. CSSI can provide full life-cycle environmental support. to help you meet the environmental challenges of the future.

CSSI Environmental Services:

- ✧ Support for Environmental Impact Statements (EIS or Environmental Assessments (EA)
- ✧ State Implementation Plan (SIP) Emission Budget for Airports
- ✧ General Conformity determination analysis
- ✧ Baseline inventory of emissions under 10k ft at airports
- ✧ Provide airports, airlines, states, agencies and other consultants with technical and operational environmental expertise
- ✧ Policy development support services
- ✧ Ground Support Equipment Surveys
- ✧ Airport Construction Emissions Invention

CSSI, Inc. was founded in 1990 and today we are a leading engineering, information technology, and applied research organization, with significant safety and environmental service capabilities.

CSSI Safety and Environmental Division combines innovative thinking, world class expertise, top notch analytical tools, with a real commitment to deliver safety and environmental services satisfying customer's needs. This enables us to deliver practical solutions to the most difficult safety and environmental challenges our customers face.

For further information contact:
cssi-sms@cssiinc.com or 202.863.2175.