

DHS Science and Technology Directorate Homeland Security Studies and Analysis Institute (HSSAI) Factsheet

HSSAI's PURPOSE

Provide special technical expertise to Department program managers through studies and analysis that provide recommendations for policy and operational changes, as well as technology insertion concepts, throughout the federal, state, local, tribal, public and private sector organizations that make up the homeland security enterprise.

BACKGROUND AND HISTORY

The Homeland Security Act of 2002 authorized the DHS Secretary, acting through the Under Secretary for Science and Technology, to establish one or more federally funded research and development centers to provide independent analysis of homeland security issues, or to carry out other responsibilities under the Act. In March 2009, DHS established the Homeland Security Studies and Analysis Institute (HSSAI) to replace the Homeland Security Institute (HSI) which served in the same capacity after being established in April 2004. DHS S&T conducted a full and open competition to award the HSSAI operating contract to Analytic Services, Inc.

UNIQUE PURPOSE & OPERATION

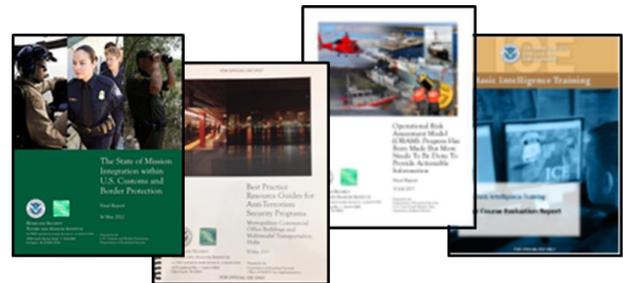
The purpose of HSSAI is to provide specialized independent and objective technical expertise to Department components, program managers and operating elements in addressing national homeland security issues in order to promote fair and open competition for the development and delivery of novel Department capabilities in focus areas including:

- Acquisition Planning and Development
- Security Threat, Vulnerability & Risk Assessment
- Organizational Studies
- Doctrine and Policy Review
- Regulatory Assessment
- Operational Analyses

HSSAI typically addresses complex homeland security issues and assists the Department in evolving towards an integrated "one-DHS" system-of-systems approach through various enterprise modernization efforts and process efficiencies. Through its long

term relationship with the Department, HSSAI promotes development and use of frameworks and strategies to enhance the general understanding of the trade-offs herein reducing our Nation's risk to terrorism and catastrophic incidents through, among other things, improved interoperability and information sharing across the homeland security enterprise.

HSSAI analytical task objectives are achieved through: cross-cutting mission analysis, strategic studies, and assessments; modeling of operational concepts and policy trade-offs within and across mission areas system simulations and technical assessments to evaluate mission trade-offs; creation and evolution of high-level concepts of operation; development of top-level system and operational requirements and performance metrics; and operational analysis across the homeland security enterprise.



HSSAI CORE RESEARCH PROGRAM

The FFRDC PMO awards a percentage of all sponsored task order funding towards establishment and execution of a Core Research Program (CRP). The overall objective of the CRP is to enhance the effectiveness of the entire DHS enterprise by leveraging the work performed for individual components for the benefit of the Department; conducting forward-looking R&D and experimentation to enable DHS agility in preventing and responding to future threats; providing critical quick-response research and analysis; developing strategic program concept evolution capabilities; and tracking and documenting lessons learned and best practices.

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