

ABOUT THE MARITIME AND IMMIGRATION SECURITY SOLUTIONS (MISS) DIVISION

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) provides scientific expertise and technologies that strengthen the nation's security and safeguard our citizens.

The Office of Mission & Capability Support (MCS) within S&T is comprised of seven divisions. As one division within MCS, the Maritime and Immigration Security Solutions (MISS) Division is comprised of three key programs: The Maritime Safety and Security Program, Immigration Services Program, and Forensics and Criminal Investigations Program.

The primary focus of the MISS Division is to research and develop enterprise-level tools, a centralized framework, and advanced solutions in support of DHS law enforcement, intelligence communities, maritime border security, and Department of Defense partners. MISS is utilizing artificial intelligence, machine learning, and biometrics to develop these capabilities and next-generation technologies. Our research is focused on remote maritime technologies, detection and identification forensics, data analytics, livestream, mobile device exploitation, disrupting criminal organizations, lawful immigration, and geospatial capabilities.

ENHANCING SECURITY ALONG THE SHORELINE

The Maritime Safety and Security Program develops and transitions technical capabilities that enhance security along our 95,000 miles of shoreline. Program staff work closely with agencies such as the U.S. Coast Guard. The innovative capabilities MISS provides safeguard lawful trade and travel and help prevent the transport of illicit goods, services, and people into the United States.

STREAMLINING IMMIGRATION-RELATED PROCESSES AND SYSTEMS

The Immigration Services Program develops technology and process improvements for agencies like Immigration and Customs Enforcement and U.S. Citizenship and Immigration Services. We streamline the process of deciding the merits of

applications and petitions for immigration benefits and enhance the integrity of immigration-related information technology systems.



TOOLS TO DISRUPT DOMESTIC, TRANSNATIONAL CRIMINAL ACTIVITY, AND ENHANCE FENTANYL DETECTION

Forensics and Criminal Investigations research, develops, and enhances tools and technologies that enable Homeland Security and law enforcement agencies to disrupt and dismantle domestic and transnational criminal activity quickly and save children from exploitation, prevent human trafficking and financial crimes, and safeguard our citizens and the nation from criminal actors. Our Opioid and Fentanyl Detection Research provides advanced detection technologies and analytics that enable DHS and state and local law enforcement agencies to target, investigate, interdict, and take down criminal operations attempting to smuggle opioids and fentanyl into our country.

A SAFER AMERICA THROUGH RESEARCH AND DEVELOPMENT AND INNOVATION

The Maritime and Immigration Solutions Division: many missions guided by a common vision:

STRATEGIC ALIGNMENT

- Secure and manage our borders
- Administer the nation's immigration system
- Combat crimes of exploitation and protect victims