HOMELAND
Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // April 8, 2025

APRIL IS EMERGENCY COMMUNICATIONS MONTH

Emergency Communications Month recognizes and honors our nations's emergency responders and emphasizes the importance of emergency communications in building resilient critical infrastructure.

The Cybersecurity and Infrastructure Security Agency lists resources for critical infrastructure organizations which enable essential personnel to communicate when networks are compromised by weather, cyber incidents, simple human error, or any other reason.

Learn more here:
https://www.cisa.gov/news-events/news/april-emergency-communications-month-0.

DID YOU MISS OUR LAST WEBINAR?

"Leveraging OSINT to Mitigate FOCI Risks and Prevent Dual-Use Technology Diversion"

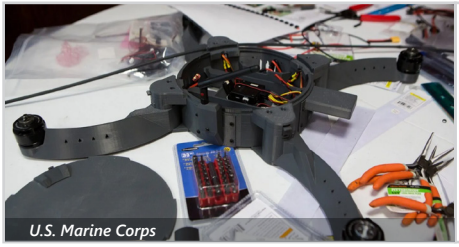
WATCH NOW!

NOTABLE TECHNICAL INQUIRY

What EPCRA Sections 301-303 plans are publicly available, and what are the homeland security risks to making them public?

EPCRA Sections 301-303 focus on chemical emergency preparedness and involve state and tribal emergency response commissions and local and tribal emergency planning committees. Emergency plans created under these sections are generally intended to be accessible to the public, with some exceptions for sensitive or classified information. The act's primary goal is to inform the public about hazardous chemicals in their communities and ensure that... **READ MORE**

UPCOMING WEBINAR

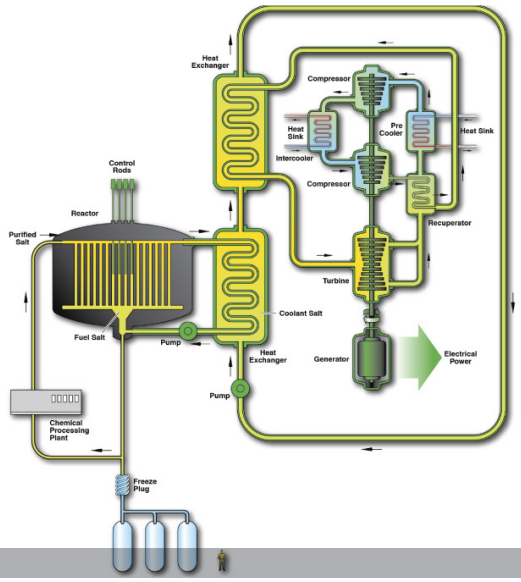

U.S. Marine Corps

Terrorist Exploitation of Commercial Technologies and Implications for U.S. National...

COMING SOON
12:00 PM – 1:00 PM

Presenter(s): *Austin Doctor, PhD* ***Host:*** *HDIAC*

The increasing sophistication and rapid democratization of commercial technologies raise new concerns for the future of terrorism, both in the near and long term. Many commercial technologies – such as unmanned systems, extended reality, artificial intelligence, the Internet of Things, and additive manufacturing – can be used as force-multiplying instruments in various terrorist activities, from radicalization and recruitment to... **READ MORE**



U.S. Department of Energy

HIGHLIGHT

Idaho National Laboratory Unveils First-of-a-Kind Molten Salt Test Loop

Idaho National Laboratory (INL) recently debuted a new molten salt test loop that will support the development of advanced reactors using molten salts.

It will also be used to help support the world's first fast-spectrum, salt-fueled reactor experiment at the lab scheduled to begin in the 2030s.

Molten salt reactors use molten salt as a coolant and, in some instances, as a liquid fuel too. They offer enhanced safety features and operate at high temperatures to generate reliable and secure electricity, as well as process heat which can be used by industry. **LEARN MORE**

EVENTS

Military Health System Conference
April 28–May 2, 2025
Cleveland, OH

The 19th IEEE International Conference on Automatic Face and Gesture Recognition
May 26–30, 2025
Clearwater, FL

Energy Exchange
August 5–7, 2025
Anaheim, CA

Want your event listed here?
Email contact@hdiac.org to share your event.

VOICE FROM THE COMMUNITY

Adrian Self
Operations Research Analyst, Kansas State University (KSU)

Adrian Self manages advanced technological research and development across multiple program areas at KSU's National Agricultural Biosecurity Center. He also explores complex problems as a multidisciplinary strategist engaging at intersections of cyber-biosecurity, health security, and food and agriculture enterprise pathway resilience. His diverse industry and academic background includes economics research, investment analysis, risk underwriting, and hazard uncertainty calculus.

ARE YOU A SME?

If you are a contributing member of the information systems community and are willing to help others with your expertise, you are a subject matter expert (SME).

Join our team today.

BECOME A SUBJECT MATTER EXPERT

ABOUT TECHNICAL INQUIRIES (TIs)

WHAT IS THE TI RESEARCH SERVICE?

- FREE service conducted by technical analysts
- 4 hours of information research
- Response in 10 business days or less

WHO CAN SUBMIT A TI?

- U.S. government (federal, state, or local)
- Military personnel
- Contractors working on a government or military contract

WHY UTILIZE THE TI RESEARCH SERVICE?

- Get a head start on your technical questions or studies
- Discover hard-to-find information
- Find and connect with other subject matter experts in the field
- Reduce redundancy of efforts across the government

To submit a TI, go to https://hdiac.dtic.mil/technical-inquiries

FOR MORE: FOLLOW US ON SOCIAL

Getty Images

RECENT HDIAC TIs

- Can a collection of all Defense Technical Information Center records related to pathogens that impact food crops be provided?
- What companies are constructing/manufacturing modular biomanufacturing capabilities?
- What is the latest information on infectious disease prevalence in military recruits?

VIEW MORE HDIAC INQUIRIES

RECENT CSIAC & DSIAC TIs

- What efforts are currently being worked for quantum antennas on U.S. Department of Defense platforms?
- Are there any active or recently completed U.S. Department of Defense projects on adaptive camouflage?
- What is the state of the art on methods for analyzing laser flash analysis data?

FEATURED NEWS

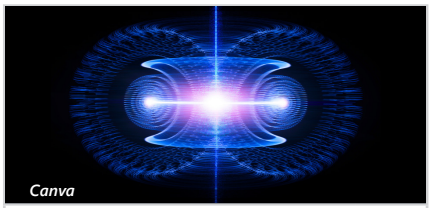
The Bionics for Veterans (BIOVET) Advanced Surgical Training: A Bridge Between Nations

Military and civilian medical professionals from across Europe and the United States gathered for a pioneering surgical and rehabilitative training event in Rome recently, focused on advancing limb restoration... **READ MORE**

RECENT NEWS

Far Forward Biological Sequencing Generates Chem Bio Defense Advantages by...

U.S. Army

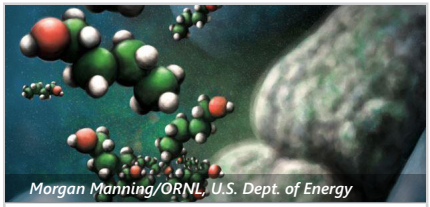


Researchers Address Material Challenges to Make Commercial Fusion Power a Reality

Ames National Laboratory

Next-Gen Tactical Decision Aid: A Naval System-of-Systems Approach

U.S. Marine Corps



Solving a Molecular Mystery for Better Bioproducts

Oak Ridge National Laboratory

Jairus Hines: Detecting Radiation With Drones

Oak Ridge National Laboratory

Breaking Boundaries in Biomedicine: Advanced Photon Source Enables Protein Design

Argonne National Laboratory

- Alternative Energy
- Biometrics
- CBRNE Defense
- Critical Infrastructure Protection
- Cultural Studies
- Homeland Defense & Security
- Medical
- Weapons of Mass Destruction

4695 Millennium Drive, Belcamp, MD 21017
443-360-4600 | contact@hdiac.org |
hdiac.dtic.mil | Unsubscribe | Past Digests

HDIAC Homeland Defense & Security Information Analysis Center