

# HOMELAND

## Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // December 19, 2023



## NORAD SANTA TRACKER!

24 hours a day, 365 days a year, the North American Aerospace Defense Command (NORAD) tracks everything that flies in and around Canada and the United States.

Homeland Defense is their #1 priority.

On December 24, NORAD has the very special mission of also tracking Santa Claus.

Find out more about NORAD Santa's tracker here:

<https://www.noradsanta.org/en/>

## DID YOU MISS OUR LAST WEBINAR?

"Radiation Biodosimetry: Where We Are and Where We Need to Go"

WATCH NOW!

[or download the slides](#)

## NOTABLE TECHNICAL INQUIRY

**What efforts are underway by the U.S. Department of Defense/ other government agencies to identify and mitigate nefarious...**

This technical inquiry is related to the HDIAC webinar "Printing Destruction: AM, WMD, and the Emerging Challenges to Security" presented by Gregory Nichols and in support of the presentation "Illicit Weapons Production: Assessing Gaps in Additive Manufacturing Security" at the 2023 International... [READ MORE](#)

## UPCOMING WEBINAR



**Homeland Defense and Future Warfighting Challenges Arising From the People's Republic...**

January 11, 2024  
12:00 PM – 1:00 PM

**Presenter(s):** *Evan Ellis, Ph.D.*

**Host:** HDIAC

This webinar will discuss the range of vulnerabilities to the United States stemming from the growing activities of the People's Republic of China (PRC), its companies, military, security agencies, and other agents in the Western Hemisphere in peacetime and in the context of a possible future military conflict with the PRC. We will focus on the activities of PRC companies in telecommunications and electricity infrastructure, surveillance systems and safe/ smart cities projects, ports and customs scanners, Supervisory Control and Data Acquisition systems, banking and e-commerce, maritime and air logistics in the region, and space. [READ MORE](#)



U.S. Navy

## HIGHLIGHT

### DoD Chemical, Biological Defense Program Adapts to Emerging Threats as It Marks 30-Year Anniversary

Deputy Assistant Secretary of Defense for Chemical and Biological Defense Ian Watson said that threat landscape has evolved significantly since the creation of the Pentagon's program responsible for arming the joint force against chemical and biological risks in the wake of the Gulf War. [LEARN MORE](#)

## EVENTS

#### 17th Annual Homeland Security Week

January 23–24, 2024  
Arlington, VA

#### The 12th IEEE Electrical Energy Storage Applications and Technologies (EESAT) Conference

January 29–30, 2024  
San Diego, CA

#### 26th Annual Organized Crime Drug Enforcement Task Force (OCDETF)

February 7–9, 2024  
Myrtle Beach, SC

#### Critical Infrastructure Protection & Resilience North America

March 12–14, 2024  
Lake Charles, LA

#### Want your event listed here?

Email [contact@hdiac.org](mailto:contact@hdiac.org) to share your event.



## VOICE FROM THE COMMUNITY

### Dr. James Giordano

*Pellegrino Center Professor of Neurology and Biochemistry*

Dr. James Giordano is a Pellegrino Center professor of neurology and biochemistry, chief of the Neuroethics Studies Program, and codirector of the Project on Brain Science and Global Health Law and Policy at Georgetown University Medical Center. He serves as senior bioethicist of the Defense Medical Ethics Center, Uniformed Services University of Health Sciences; Stockdale distinguished fellow of science, technology, and ethics at the U.S. Naval Academy; and nonresident senior fellow of the Simon Center for the Professional Military Ethic at the U.S. Military Academy, West Point, NY.

## 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.org/technical-inquiries>

## FOR MORE: FOLLOW US ON SOCIAL



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## RECENT HDIAC TIs

- What COTS instruments are available for near real-time detection of chemical warfare agents?
- What technical documents discuss using AI for detecting the proliferation/counterproliferation of WMD materials?
- What is the viability of new jet fuel technologies?

## RECENT CSIAC & DSIAC TIs

- Can you identify documents related to the following Air Force database systems: ILSS, GO81, IMDS, BLADE, ESCAPE, and ADVANA?
- What information is available on open-source M&S of assorted missile seekers (infrared, radio frequency, laser) that generically model their capabilities at high fidelity?
- Which GPS-guided rockets or artillery rounds are used for all Service components and with unmanned systems?

## FEATURED NEWS

### DHA Health Hazard Assessment Team Doing Critical Work to Improve Warfighter Brain Health


ABERDEEN PROVING GROUND, Md. – A little over a year ago, in June 2022, the U.S. Department of Defense launched the Warfighter Brain Health Initiative (WBHI) to bring together the operational and medical... [READ MORE](#)

## RECENT NEWS




**Idaho National Laboratory Makes Commercial Grade HALEU Fuel for Testing**

U.S. Department of Defense



**CBRN Soldiers Bolster Combined Defense Posture Near Korean Demilitarized Zone**

U.S. Army



**DARPA Transitioning Technology to Help Protect Largest U.S. Metropolitan Region**

Defense Advanced Research Projects Agency




**Repurposed Technology Could Help Protect Soldiers**

U.S. Army



**Commentary: LEAP Guardian Gives Back**

U.S. Space Operations Command



**NNSA Delivers 2024 Stockpile Stewardship and Management Plan to Congress**

National Nuclear Security Administration

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

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