

HOMELAND

Defense & Security Digest

The Latest From the Homeland Defense & Security Information Analysis Center // September 28, 2021



SUBMIT A TECHNICAL INQUIRY

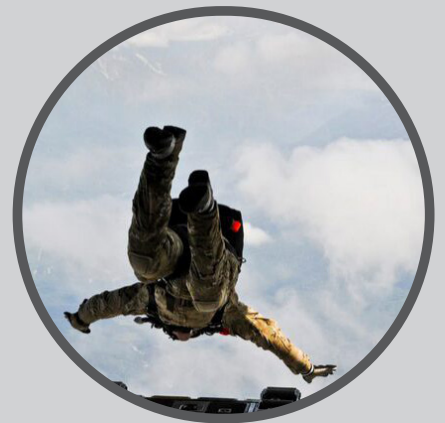
U.S. Department of Veteran Affairs

NOTABLE TECHNICAL INQUIRY

What are the specifications and availability of lithium-ion batteries from a North American supply chain?

The Homeland Defense and Security Information Analysis Center (HDIAC) received a technical inquiry requesting information on state-of-the-art battery technologies and production capabilities.

HDIAC staff found that battery technologies are actively growing. Modern patent and research approaches were submitted over the last 20 years, ranging in one to four patents submitted annually between 2001 and 2010. [READ MORE](#)



SNEAK PEEK

UPCOMING WEBINAR:
Taking Exercise Conditioning Past Conventional Boundaries

DATE:
October 13, 2021

TIME:
12:00 PM

PRESENTED BY:
Dr. Robert P. Garner

HOST:
HDIAC



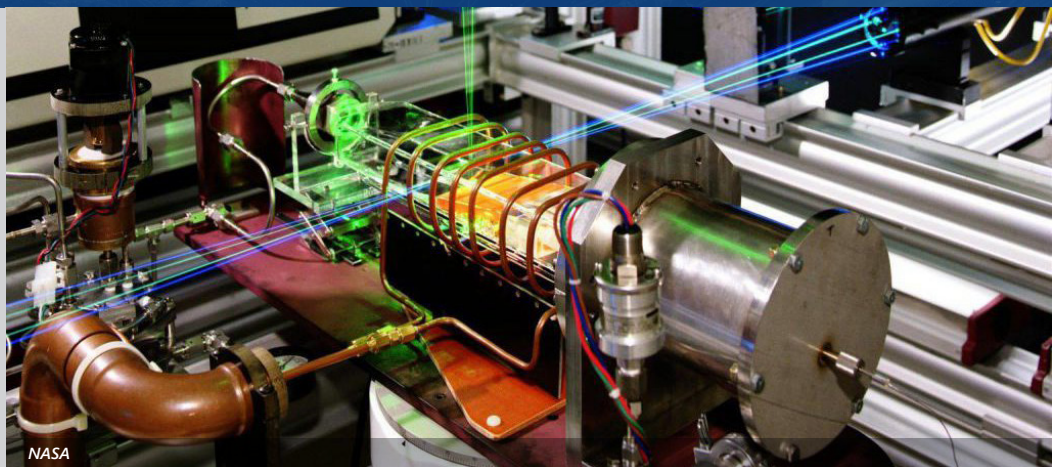
VOICE FROM THE COMMUNITY

Joel Hewitt

DoD IAC Research Analyst

I am delighted to be back working to advance the DoD IAC mission. I supported the HDIAC Basic Center of Operations from 2017 to 2019, where I also served as research lead on two Specialized Task Orders for the U.S. Special Operations Command and the Army Combat Capabilities Development Command Soldier Center. Prior to my HDIAC work, I served as a consultant and researcher in the energy space and as a policy analyst for the National Commission on the BP Oil Spill. In my spare time, I am co-authoring an academic history of the offshore oil and gas program in the United States.

BECOME A SUBJECT MATTER EXPERT



HIGHLIGHT

Official Says Domestic, Partner Nation Industrial Capability Critical to Security

“Every day, people across America are designing, building, and producing critical materials and technologies to ensure that the armed forces have every advantage and capability they need,” the Deputy Assistant Secretary of Defense for Industrial Policy said.

Jesse Salazar spoke today at the George Mason University School of Business in Arlington, Virginia. “Our defense industrial base allows us to preserve our military advantages and deter our adversaries,” he said. [LEARN MORE](#)

FEATURED NEWS

All Mustard Agent Projectiles Now Destroyed in Kentucky

The last 155-mm projectiles containing mustard agent were destroyed in the Static Detonation Chamber at the Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) on September 4. This marks the third of five chemical weapons destruction campaigns completed at the Blue Grass Army Depot (BGAD).



“There is no doubt destroying the mustard projectiles in a static detonation chamber was the right choice of technology to use,” said Dr. Candace Coyle, BGCAPP Site Project Manager. [READ MORE](#)

Image: U.S. Army



[LEARN MORE](#)

U.S. Air Force

WEBINARS

Taking Exercise Conditioning Past Conventional Boundaries

Presented: October 13, 2021 12:00 PM–1:00 PM

Presenter: Dr. Robert P. Garner

Host: HDIAC

Physical performance capacity is critical to the Warfighter to be able to carry out the mission. Competitive sports have pushed for improvements in conditioning throughout history, but the implication for work-related endeavors or health may be more important.

Over the last two or three decades, there has been tremendous interest in using pressure variations to positively impact various aspects of human physiology in both health and disease. A training protocol has been developed based on this extensive research collection and experience in developing aviation research protocols. The data collected represent a case study in which a professional combat sports athlete engaged in the protocol during a pre-flight training camp. As demonstrated by a separation of altitude training segments, work capacity increased beyond intensive, traditional methods. Findings suggest that the concepts can extend highly conditioned individuals toward their limiting genetic potential or more effectively facilitate physical improvements in normal or rehabilitative settings. [LEARN MORE](#)

EVENTS

International Conference on Biometric Engineering and Applications (ICBEA044 2021: 15)

October 7-8, 2021

2021 AUSA Annual Meeting

October 11-13, 2021

Critical Infrastructure Protection & Resilience

October 19-20, 2021

64th Annual Biosafety and Biosecurity Conference

October 22-27, 2021

14th Annual Homeland Defense/ Security Education Summit

November 1-3, 2021

CBRNe Convergence

November 2-4, 2021

BARDA Industry Day

November 3-4, 2021

Want your event listed here?

Email contact@hdiac.org, to share your event.

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

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RECENT NEWS



FBI

CBP Announces Facial Biometric Pilot for Inbound Vehicle Travelers at Anzalduas International Bridge

Biometrics



U.S. Navy

DoD Taking Measures to Protect Nuclear Weapons, Space Assets

Critical Infrastructure Protection & WMD



U.S. Army

DHS Awards \$750K to Texas Small Business for Urban Detection and Identification of Small Unmanned Aerial Vehicles

Homeland Defense & Security



Asia-Pacific Center for Security Studies

A Biodefense Fusion Center to Improve Disease Surveillance and Early Warnings to Enhance National Security

CBRN Defense & Medical



U.S. Army

U.S. Army Corps Announces Chief's Report Signing for San Juan Metro Coastal Storm Risk Management Study

Critical Infrastructure Protection



DARPA

Better Living With Beneficial Biofilms

CBRN Defense & WMD

