

DEFENSE Systems Digest

The Latest From the Defense Systems Information Analysis Center // October 15, 2024

CYBERSECURITY AWARENESS MONTH

Cybersecurity is crucial to protecting our nation's information infrastructure.

October is dedicated to increasing public awareness of the importance of cybersecurity and its role in preventing and eliminating threats to our communities and U.S. national security systems.

Our sister IAC, the Cybersecurity & Information Systems Information Analysis Center (CSIAC), brings you the most current resources to help maximize knowledge and stay cyber safe.

Visit CSIAC here: <https://csiac.org/>.

DID YOU MISS OUR LAST WEBINAR?

"The Effects of Corrosion on Ballistic Protection of Armor and Methods..."

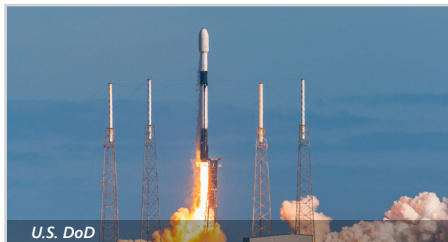
[To view the webinar, click here](#)

NOTABLE TECHNICAL INQUIRY

What gaps are there between civilian and U.S. Department of Defense (DoD) aerospace for determining airworthiness of additively manufactured (AM) parts and repairs?

The U.S. Department of Defense (DoD) has made some progress certifying additive manufacturing (AM) parts for airworthiness, but certification has been limited to the lab, with significant engineering and inspections required for each part. Over the last two decades, each branch of the DoD developed their own processes for AM certification, thus fragmenting certification and slowing the widespread acceptance of AM. **[READ MORE](#)**

UPCOMING WEBINAR



**In-Space Developmental Test
Persistent Platform at the...**

November 13, 2024
12:00 PM – 1:00 PM

Presenter(s): Dr. Roberta M. Ewart

Host: DSIAC

To accelerate new technology development, overcome the technical readiness levels 4–7 "Valley of Death," and reduce acquisition cost, the U.S. Space Force (USSF) started an In-Space Developmental Test (iSDT) initiative, which is also called Advanced Space-Based Testbed (XST) in its realization form. This test-persistent platform is unmanned, highly autonomous, and capable of in-space assembly morphing in shape and in-space servicing to... **[READ MORE](#)**



James - Marine Corps Systems Command

HIGHLIGHT

Next-Generation Troposcatter Brings Communication to the Modern Era

MARINE CORPS BASE TWENTYNINE PALMS, Calif. - The Marine Corps has begun fielding a replacement to a decades-old communication system.

The Next Generation Troposcatter, or NGT, is a transportable, secure beyond-line-of-sight data transmission system capable of operation in a satellite communication (SATCOM)-denied or degraded environment. [LEARN MORE](#)

EVENTS

26th Annual Expeditionary Warfare Conference
October 22–24, 2024
Laurel, MD

TechNet Indo-Pacific
October 22–24, 2024
Honolulu, HI

2024 Aircraft Survivability Symposium
November 5–7, 2024
Monterey, CA

2024 U.S. Department of Defense Steels Summit
November 19–20, 2024
West Bethesda, MD

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



VOICE FROM THE COMMUNITY

Greg Meholic

Senior Project Leader, The Aerospace Corporation

As The Aerospace Corporation's senior project leader, Greg Meholic explores advanced space launch and propulsion technology for national security and commercial applications. His current projects include coordinating technical support for various interests and activities in space nuclear propulsion and power, cryogenic fluid management, commercial launch licensing, and rocket engine development. These efforts directly support the mission assurance provided to defense and commercial customers as they navigate the ever-changing space industry.

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://dsiac.org/technical-inquiries>

FOR MORE: FOLLOW US ON SOCIAL



RECENT DSIAC TIs

- Who are key players in the U.S. government and industry working in counter-directed-energy weapons (CDEWs)?
- How can someone gain access to Multifunctional Obsolescence Resolution Environment (MORE) information?
- What are the capabilities of the Soviet Mil Mi-28 "Havoc" attack helicopter?

RECENT CSIAC & HDIAC TIs

- What information is available on the Standard Wargame Integration Facilitation Toolkit (SWIFT)?
- Can technical specifications (detection limits, detection time, and detectable agents) on fielded biological agent detectors be provided?
- What work is being done to create additional safety equipment to protect a Warfighter's head from low-level blasts?

FEATURED NEWS

NRL's Innovative TSN and TSRV Technology Enhances Navy Ship Readiness

WASHINGTON – U.S. Naval Research Laboratory's (NRL's) Center for Corrosion Science and Engineering engineers installed an advanced thermal spray nonskid (TSN) coating system on the USS *Kearsarge*,... [READ MORE](#)

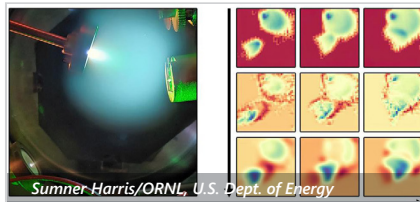
RECENT NEWS



U.S. Navy

Navy Partners With Private Industry to Grow Submarine Industrial Base Capacity

Naval Sea Systems Command



Summer Harris/ORNL, U.S. Dept. of Energy

AI Enhances Plasma Plume Analysis

Oak Ridge National Laboratory



Jerome Aliotta

CSA Discusses Ground Vehicle Systems, Advanced Manufacturing During...

U.S. Army



Senior Airmen Renee Nicole S.N. Finona

48th Fighter Wing Airmen Create New Technology to Expedite Munitions Loading

U.S. Air Force Research Laboratory



Lance Cpl. Jennifer Sanchez

Marine Corps Adds AGM-158A JASSM to Arsenal

U.S. Marine Corps



Staff Sgt. Michael West

Upgrades to CIRCM Protect Aircrew, Passengers

U.S. Army



Advanced Materials



Autonomous Systems



C4ISR



Directed Energy



Energetics



Military Sensing



Non-Lethal Weapons



RMQSI



Survivability & Vulnerability



Weapons Systems

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