

# CYBERSECURITY & Information Systems Digest

The Latest From the Cybersecurity & Information Systems Information Analysis Center // February 1, 2022



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## NOTABLE TECHNICAL INQUIRY

### What are the major requirements of the Cybersecurity Maturity Model Certification for DoD contractors and subcontractors?

In response to the repeated attacks on the U.S. Department of Defense (DoD) supply chain, the release of the Cybersecurity Maturity Model Certification (CMMC) introduces a verification mechanism that will ensure the necessary security mechanisms are in place to better protect Controlled Unclassified Information (CUI) and other sensitive data made available to contractor organizations. CMMC was developed from the contributions of multiple organizations and entities, including the Office of the Under... [READ MORE](#)



## SNEAK PEEK

**UPCOMING WEBINAR:**  
*Digital Transformation of SATCOM Networks*

**DATE:**  
February 23, 2022

**TIME:**  
12:00 PM

**PRESENTED BY:**  
Dr. Juan Deaton

**HOST:**  
CSIAC



## VOICE FROM THE COMMUNITY

**Bryan Daughtery**  
*Certified Cryptocurrency Investigator*

Mr. Daughtery, a certified cryptocurrency investigator and regional manager for North America for a blockchain, educative, nonprofit based in Zug, Switzerland, helps organizations explore the best use of blockchain for their growth and transformation. He spent the last two decades helping to digitally transform businesses and organizations with a wide array of enterprise-grade technologies. Bryan also serves as the cofounder, chairman, and technical advisor for SmartLedger, the world's leading blockchain distribution channel.

**BECOME A SUBJECT MATTER EXPERT**



## HIGHLIGHT

### DoD Launches New University Consortium for Cybersecurity

The Department of Defense (DoD) University Consortium for Cybersecurity, or UC2, exists to facilitate two-way communication between the Secretary of Defense and academia across the United States, according to the UC2 information site.

The event was hosted by the National Defense University's College of Information and Cyberspace, or CIC, which serves as the coordination center for the consortium. [LEARN MORE](#)

## FEATURED NEWS

### CYBERCOM Announces Academic Engagement Network Partners

U.S. Cyber Command (CYBERCOM) will officially announce its newest Academic Engagement Network (AEN) college and university partners from 34 states and the District of Columbia this week.



CYBERCOM's Executive Director David Frederick will host a virtual event formally inviting the command's newest partners into the Academic Engagement Network on Thursday, January 6, 2022. During the event, partners will receive details on how the command intends to implement the program over the next nine months. They will also receive details on specific programs and plans available to faculty and students. [READ MORE](#)

Image: CYBERCOM

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## WEBINARS

### Digital Transformation of SATCOM Networks

*Presented:* February 23, 2022 12:00 PM - 1:00 PM

*Presenter:* Dr. Juan Deaton

*Host:* CSIAC

Driven by the rapidly changing space segment, satellite ground networks are in the midst of evolutionary change called the digital transformation. The digital transformation will enable the satellite communications (SATCOM) to realize benefits in speed of innovation, scale, and cost. More importantly, the digital transformation will help fulfill the key demands of next-generation SATCOM networks. The digital transformation comprises two components that are widely accepted and adopted in the larger telecommunications industry: digitization and virtualization. Digitization modularizes and commoditizes SATCOM modem architectures to use common hardware and introduces a new digital intermediate frequency (IF) interface. Additionally, standardization of digital IF is paving the way for these next-evolution architectures. The move to common hardware through digitization forms the basis for virtualization, which creates agile terminals that can deploy a variety of waveforms and applications. Leveraging virtualization, network function virtualization provides a new paradigm to support virtualized service chains and management of virtual network functions. Through these architectures, SATCOM-as-a-Service networks can be easily managed and deployed with custom configurations. Advanced antenna systems that support multi-band, multi-orbit, and multi-beam are also critical components of the digital transformation and are briefly explored. Through a digitally transformed ground network, SATCOM systems can leverage new operational use cases that improve network and terminal agility and resilience. In summary, we describe the key demands, technological... [LEARN MORE](#)

## EVENTS

### RSA Conference

February 7-10, 2022

### Rocky Mountain Cyberspace Symposium

February 21-24, 2022

### The 4th International Conference on Artificial Intelligence in Information and Communication

February 21-24, 2022

### Insider Threat Day at JHU/APL

February 23, 2022

### IT Modernization Summit

March 2, 2022

### 1st International Conference on AI in Cybersecurity (ICAIC)

March 15-17, 2022

### IT and Cyber Day at MacDill AFB

April 26, 2022

### Want your event listed here?

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



-  Cybersecurity
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## RECENT NEWS



**Department of Commerce Seeks Internet of Things Experts for New Advisory Board**

Cybersecurity



**Iranian Intel Cyber Suite of Malware Uses Open-Source Tools**

Cybersecurity; Software Data & Analysis



**NIST Updates FIPS 201 Personal Identity Credential Standard**

Cybersecurity; KM & Information Sharing



**NSA and CISA Release Final Part IV of Guidance on Securing 5G Cloud Infrastructures**

Software Data & Analysis



**CISA Urges Organizations to Implement Immediate Cybersecurity Measures to Protect Against Potential Threats**

Cybersecurity



**AFRL Senior Autonomy Scientist Receives Presidential Civilian Award**

Software Data & Analysis