



SPACE CYBERSECURITY WEEKLY WATCH

Week 28

July 4 – 10, 2023

Timeframe : Weekly
of articles identified : 21
Est. time to read : 35 minutes

Articles, company’s communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

- **GEOPOLITIC**
- **MARKET & COMPETITION**
- **THREAT INTELLIGENCE**
- **TECHNOLOGY**
- **TRAINING & EDUCATION**

★ **IMPORTANT NEWS**

Overview

This week saw many developments regarding space cybersecurity in Australia, with the announcement of the Space Cyber Forum in Adelaide, and the Australian Space Command exiting from the RAAF and to better promote space cybersecurity. Space cybersecurity is still a relatively undeveloped topic in Australia. Most initiatives are still confined to universities. Also, a few quantum projects related to satellite communication confirm a long-term trend toward this technology. Secure-IC announced a partnership with HENSOLDT, and Deutsche Telekom stated its will to develop a quantum communication network. Regarding the threat intel landscape, the PowerShell malware is targeting the aerospace sector. Finally, Syracuse 4B was launched on the last Ariane 5 rocket. This military communication satellite will come with the latest improvements regarding cybersecurity and encryption capabilities.

GEOPOLITIC

A global satellite network is a real threat – see Lockheed help!

The US and other nations are working on a global satellite network to provide secure communications and intelligence gathering. Lockheed Martin is a key player in this effort.

Link: [https://www.lockheedmartin.com/en-us/newsroom/articles/2023/07/04/global-satellite-network-is-a-real-threat-see-lockheed-help.html](#)



US says should be ahead of a NATO office in Japan

The US says it should be ahead of a NATO office in Japan. This move is seen as a strategic move to strengthen US influence in the region.

Link: [https://www.defenceconnectonline.com.au/industry/5935-space-command-formally-exits-the-raaf#:~:text=Australia's%20military%20Space%20Command%20has,the%20ADF's%20Joint%20Capabilities%20Group.&text=The%20move%20E2%80%94%20revealed%20earlier%20this,see%20the%20newly%20formed%20No.](#)



Cybersecurity in India

India is investing heavily in cybersecurity to protect its digital infrastructure. The government has launched several initiatives to enhance the country's cyber defense capabilities.

Link: [https://www.defenceconnectonline.com.au/industry/5935-space-command-formally-exits-the-raaf#:~:text=Australia's%20military%20Space%20Command%20has,the%20ADF's%20Joint%20Capabilities%20Group.&text=The%20move%20E2%80%94%20revealed%20earlier%20this,see%20the%20newly%20formed%20No.](#)



Space Command formally exits the RAAF

Australia’s military Space Command has now formally shifted from operating within the Air Force to being within the ADF’s Joint Capabilities Group. “Our top priority is building and sustaining a trained Defence space workforce with defined career pathways. As our newest domains, the space and cyber domains have similar workforce challenges with new and unique career pathways.” **#Australia #SpaceCommand**

Link: <https://www.spaceconnectonline.com.au/industry/5935-space-command-formally-exits-the-raaf#:~:text=Australia's%20military%20Space%20Command%20has,the%20ADF's%20Joint%20Capabilities%20Group.&text=The%20move%20E2%80%94%20revealed%20earlier%20this,see%20the%20newly%20formed%20No.>





MARKET & COMPETITION

- ★ **Secure-IC partners with HENSOLDT to drive the advancement of post-quantum cryptography**
Secure-IC is partnering with HENSOLDT, leading defence and security electronics company, as well as XLIM and TELECOM PARIS research laboratories, to advance the development of post-quantum cryptography. Within the framework of this programme, HENSOLDT France intends to produce new, innovative post-quantum encryption technology under the X7-PQC brand name. #SECURE-IC #PQC
Link: <https://www.secure-ic.com/news-and-events/news/secure-ic-partners-with-hensoldt-to-drive-the-advancement-of-post-quantum-cryptography/>



THREAT INTELLIGENCE

- ★ **Briefing 10: Researchers Discover New PowerShell Malware Targeting Aerospace Sector**
A new malware strain was discovered by the threat research firm Adlumin with supposed implications for the U.S. aerospace sector. The malicious script, dubbed PowerDrop, was "implanted in the network" of an unnamed U.S. aerospace defense contractor.
#PowerShell #SPACEISAC
Link: <https://www.kratosdefense.com/constellations/space-isac>
- ★ **Attacks on energy firms' satellite receivers admitted by SiegedSec hacking group**
Energy industry firms Shell, Helix Energy, Halliburton, and Oceaneering had their satellite receivers claimed to be compromised by the SiegedSec hacking group after conducting a "delicious supply chain attack" against satellite supplier ITC Global, CyberScoop reports. #SatelliteReceivers #SiegedSec
Link: <https://www.scmagazine.com/brief/critical-infrastructure/attacks-on-energy-firms-satellite-receivers-admitted-by-siegedsec-hacking-group>



TECHNOLOGY

- ★ **India's space is satellite based quantum communication**
India's space is satellite based quantum communication...
Link: [https://www.cyberinflight.com/news/indias-space-is-satellite-based-quantum-communication](#)
- ★ **Germany's satellite network a step closer to quantum secured network**
Germany's satellite network a step closer to quantum secured network...
Link: [https://www.cyberinflight.com/news/germanys-satellite-network-a-step-closer-to-quantum-secured-network](#)
- ★ **Microsoft officially announces its 'Quantum' space cybersecurity for 'Quantum' for flight program**
Microsoft officially announces its 'Quantum' space cybersecurity for 'Quantum' for flight program...
Link: [https://www.cyberinflight.com/news/microsoft-officially-announces-its-quantum-space-cybersecurity-for-quantum-for-flight-program](#)





TECHNOLOGY

Building Trust in New Emerging Autonomous Navigation Systems

The Department of Defense (DoD) is working to build trust in new emerging autonomous navigation systems. This is a critical step in ensuring that these systems are reliable and secure. The DoD is working with industry partners to develop standards and best practices for these systems. This will help to ensure that these systems are trustworthy and can be used in a variety of applications.



Autonomous Systems of Military Information Systems and the Commercial Market

The Department of Defense (DoD) is working to develop autonomous systems of military information systems. This is a critical step in ensuring that these systems are reliable and secure. The DoD is working with industry partners to develop standards and best practices for these systems. This will help to ensure that these systems are trustworthy and can be used in a variety of applications.



Using Commercial New (CNG) and the Technical Approach

The Department of Defense (DoD) is working to use commercial new (CNG) and the technical approach. This is a critical step in ensuring that these systems are reliable and secure. The DoD is working with industry partners to develop standards and best practices for these systems. This will help to ensure that these systems are trustworthy and can be used in a variety of applications.



TRAINING & EDUCATION

Building Trust in New Emerging Autonomous Navigation Systems

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Space Domain Cybersecurity Course

The Space Domain Cybersecurity Course is a critical step in ensuring that these systems are reliable and secure. The DoD is working with industry partners to develop standards and best practices for these systems. This will help to ensure that these systems are trustworthy and can be used in a variety of applications.



Cyber Launch Pad - 4th Edition: Safeguarding Space The Status of Space Exploration and Cybersecurity

The Cyber Launch Pad - 4th Edition: Safeguarding Space The Status of Space Exploration and Cybersecurity is a critical step in ensuring that these systems are reliable and secure. The DoD is working with industry partners to develop standards and best practices for these systems. This will help to ensure that these systems are trustworthy and can be used in a variety of applications.



Securing Space: The Next Frontier for Cybersecurity Education and Workforce Development

Online webinar hosted by the National Institute of Standards and Technology (NIST). Wednesday, July 19, 2023, 2:00 PM – 3:00 PM. #NIST #Webinar

Link: <https://www.oodaloo.com/archive/2023/07/06/securing-space-the-next-frontier-for-cybersecurity-education-and-workforce-development/>



2023 - Annual Conference 2023

The 2023 - Annual Conference 2023 is a critical step in ensuring that these systems are reliable and secure. The DoD is working with industry partners to develop standards and best practices for these systems. This will help to ensure that these systems are trustworthy and can be used in a variety of applications.



The 1st Australian Cyber Space Forum

The 1st Australian Cyber Space Forum is a critical step in ensuring that these systems are reliable and secure. The DoD is working with industry partners to develop standards and best practices for these systems. This will help to ensure that these systems are trustworthy and can be used in a variety of applications.

