



SPACE CYBERSECURITY WEEKLY WATCH

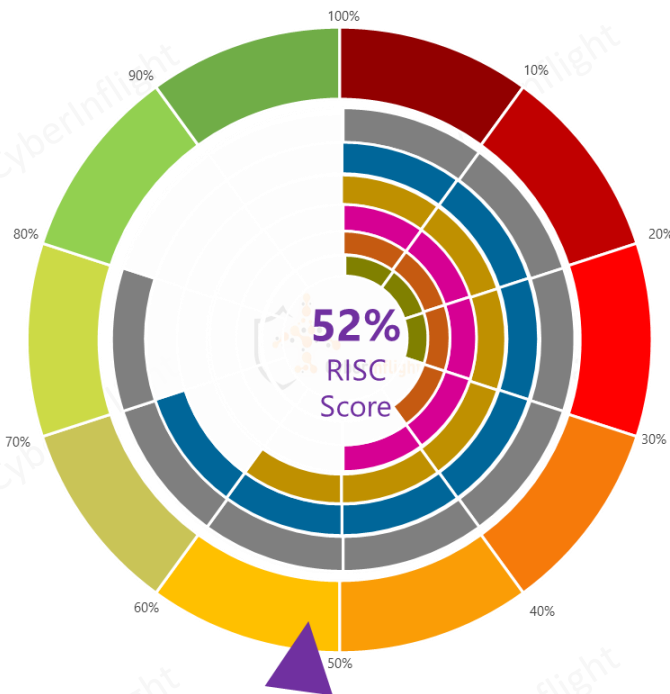
Week 42

October 10 – 16, 2023

Timeframe: Weekly
of articles identified: 34
Est. time to read: 1h30min

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
- REGULATION
- MARKET & COMPETITION
- TECHNOLOGY
- TRAINING & EDUCATION
- THREAT INTELLIGENCE
- ★ IMPORTANT NEWS



Overview & RISC Score

This week's RISC Score is 52% for several reasons. The 1st one being the publication of the FY 2024 National Defense Authorization Act by the Senate which includes a number of cyber points that are likely to have an impact on space cybersecurity companies of the US DIB. A summary of these points has been provided to give a quick overview of what will change.

In Europe, to strengthen the security, and resilience of the space DIB and the space sector in general, the European Commission, with the support of EUSPA has launched a call for expression of interest (CFI) to set up and participate in an EU Space ISAC, which is open

until November 3, 2023 for those interested in becoming founding members. It will also be possible to apply as a member of the EU Space ISAC until October 31, 2025.

On the market front, this week Corero Network Security won a major contract with a satellite service provider to deliver DDoS protection across a network of globally positioned ground stations.

On the Threat Intel front, an article analyzing the VIASAT attack across the spectrum of the MITRE ATT&CK framework was published.

Last but not least, a Table Top Exercise (TTX) on Space Cybersecurity Mission Control is being organized by several US space institutions, including Space ISAC, AIAA and the Cornell Aerospace Adversary Lab.



GEPOLITIC



More eyes in the sky: NRO building new satellites to deliver '10 times more signals and images'

The National Reconnaissance Office is on track to dramatically increase the number of spy satellites it relies upon to deliver intelligence, the agency's deputy director told Sen. Christopher Coons Oct. 10. [#NRO #US](#)

Link: <https://www.washingtonpost.com/nro-building-new-satellites-to-deliver-10-times-more-signals-and-images/>



European Commission initiates call to set up EU Space ISAC to strengthen security, resilience of space sector

The European Commission, with the support of the European Union Agency for the Space Programme, launched Thursday a call for expression of interest to set up and participate in an EU Space Information Sharing and Analysis Centre. [#ISAC #EU](#)

#ISAC #EU

Link: <https://industrialcyber.co/critical-infrastructure/european-commission-initiates-call-to-set-up-eu-space-isac-to-strengthen-security-resilience-of-space-sector/>



Industry Split Over Designating Space Sector as Critical Infrastructure

Momentum is building for space to receive a critical infrastructure designation from the U.S. government, driven by the growing importance of space infrastructure and services to the economy and security of the United States. But support for the designation is not unanimous throughout the space sector. [#CriticalInfrastructure #US](#)

Link: <https://www.kissandtell.com/critical-infrastructure/industry-split-over-designating-space-as-critical-infrastructure/>



REGULATION



Answer given by PE Britain on behalf of the European Commission

The Commission is currently working on a legislative initiative to enhance the level of resilience of space systems and services in the EU, ensure coordination between Member States and improve security by design and risk management rules for operators of space infrastructure and services of satellites. [#EU #SpaceResilience](#)

Link: <https://www.europarl.europa.eu/media/default.do?type=press&id=120224&lang=en>



Key Cyber Security and Software Security Provisions of the House and Senate Versions of the Fiscal Year (FY) 2024 National Defense Authorization Act (NDAA)

Summary of the cyber-related provisions that are most likely to impact the DIB. [#NDAA #US](#)

Link: <https://www.insidegovernmentcontracts.com/2023/10/key-cyber-security-and-software-security-provisions-of-the-house-and-senate-versions-of-the-fiscal-year-fy-2024-national-defense-authorization-act-ndaa/>



Department of Air Force Opens Proposed Space Force Strategy to the Public

The Department of the Air Force has opened for public review its Comprehensive Strategy for the U.S. Space Force, which outlines training, equipment, preparation and organization of the service branch. [#Space #US](#)

Link: <https://www.airforce.mil/Newsroom/Department-of-Air-Force-opens-proposed-space-force-strategy-to-the-public/>



Review - § 1423 Reported in Senate - Satellite Cybersecurity

Last month, the Senate Homeland Security and Governmental Affairs Committee published their Report on § 1423 (commonly known as the Satellite Cybersecurity Act). [#SatelliteCybersecurity](#)

Link: <https://www.hsag.senate.gov/imo/media/doc/1423-intro>





MARKET & COMPETITION

Sweden and Finland announce the launch of the SECURE Project

Sweden, a leader in European cyber security for mission-critical applications and Finland, an innovation space start-up powerhouse, announce the launch of the SECURE Project (Space Edge Computing with Uninterruptible and Robust Enhancement) led by the Swedish National Space Agency (Svepol) and the Finnish Space Agency (Suomen Avaruusjärjestö).

[Link: https://www.svepol.se/en/press-releases/secure-project-launch](#)



Malta State announces cybersecurity collaboration with Luxembourg

Malta State University and Luxembourg are entering into a new collaboration aimed at improving the security and resilience of satellite constellations and satellite-based communications. The aim of the project is to strengthen the security of data collection and transmission between space-based internet of things (IoT) devices.

[Link: https://www.msu.edu.mt/en/news/2023/09/27/malta-state-university-cybersecurity-collaboration-with-luxembourg-2](#)



Corero Network Security plc Secures New Contract with Satellite Service Provider, the First for Corero in the High Growth Multi-\$Billion Satellite Service Market

Corero Network Security plc announced it has secured a new contract with a satellite service provider. The contract, which has a total value in excess of \$500,000, will deliver SmartWall ONE ultra-low latency DDoS protection across a network of globally positioned ground stations, signifying an important strategic milestone from a vertical market expansion perspective. #Corero #DDoSProtection

[Link: https://www.marketscreener.com/quote/stock/CORERO-NETWORK-SECURITY-P-4002169/news/Corero-Network-Security-plc-Secures-New-Contract-with-Satellite-Service-Provider-the-First-for-Core-45077927/](https://www.marketscreener.com/quote/stock/CORERO-NETWORK-SECURITY-P-4002169/news/Corero-Network-Security-plc-Secures-New-Contract-with-Satellite-Service-Provider-the-First-for-Core-45077927/)

Space cybersecurity takes center stage in Estonia

The global space industry is currently valued at around \$100 billion. By 2040, it could be worth as much as one trillion dollars, the investment bank Morgan Stanley estimates. With so much at stake, securing space-based systems is crucial.

[Link: https://www.euro-north.com/news/space-cybersecurity-takes-center-stage](#)



Spatial : la Suisse s'engage à Toulouse pour assurer la cybersécurité du NewSpace (Tech Suisse/Swisscom) s'engage à Toulouse pour assurer la cybersécurité du NewSpace

The startup, which employs 30 people in Switzerland, now has an employee at the Toulouse cybersecurity campus in France and an employee in Toulouse. Two further recruitments are planned for 2024. "We will move" by the end of the year, and the workforce should reach around 50 by the end of 2024.

[Link: https://www.suisse.com/fr/actualites/2023/10/10/spatial-a-toulouse-a-une-entree-a-toulouse-une-entree-et-une-entree-a-toulouse-17181000](#)



European Commission and ESA to lead AGOIP consortium for the future of European Earth Observation

The collaboration, named AGOIP (Advanced European Governmental Innovation for Secure Services), is made up of 10 members representing eight European countries, under the leadership of European Commission and ESA, aiming to investigate innovative, secure and sustainable solutions for the future European citizens Earth Observation governmental services.

[Link: https://www.ec.europa.eu/commission/press-materials/press-releases/initiatives-and-actions/commission-2023-10-10_en](#)



TECHNOLOGY

Self-funded space project advances non-GPS navigation

Space Systems, a California-based startup, worked with Microsoft Azure to produce a cutting-edge navigation system that uses an atomic clock to take precise measurements without relying on GPS.

[Link: https://www.space.com/54141-self-funded-space-project-advances-non-gps-navigation](#)





TRAINING & EDUCATION

Estimote's Software Defined Space Conference coming soon

Estimote has grown since its inception in November 2021, with the new addition of interactive workshops appearing this year. Each workshop will be dedicated to a specific topic including how space law and space traffic management can work together, how to navigate the US space regulatory system for US-based companies that want to enter the US market, and how to draft national legislation for space governing. [#SpaceLaw](#) [#SpaceCybersecurity](#)

[Link: https://www.estimote.com/2023/10/10/estimates-software-defined-space-conference-coming-soon/](#)

PERSPECTIVE: It's Time to Treat Satellites as Critical Infrastructure

Satellites are simply purpose-built computers and therefore are vulnerable to the same cyber threats we face on earth. If we don't address the cybersecurity risks associated with satellites now, there will be far more attacks on the technology to come. [#CriticalInfrastructure](#) [#Satellite](#)

[Link: https://www.inhale.com/insights/articles/its-time-to-treat-satellites-as-critical-infrastructure/](#)

Call for Proposals Space Cybersecurity Lightning Talks

Invitation for experts and enthusiasts in the field of space cybersecurity to submit proposals for lightning talks at the next second spacing conference. [#SpaceLaw](#) [#SpaceCybersecurity](#)

[Link: https://www.inhale.com/insights/articles/call-for-proposals-space-cybersecurity-lightning-talks-2023/](#)

The Evolution of Space Industry Cybersecurity: Embracing Zero Trust

Article about the new cybersecurity approach that has taken the center stage - Zero Trust security for the space industry. [#ZeroTrust](#) [#Cybersecurity](#)

[Link: https://www.inhale.com/insights/articles/space-industry-cybersecurity-embracing-zero-trust/](#)

UNSEC CYBER SECURITY SUMMIT

The Cyber Cyber Security Summit returns to London on 16 - 18 November 2023 to provide UK based cyber security professionals with a platform to collaborate and exchange knowledge to secure a safer remote workforce. [#CyberSecurity](#) [#UK](#)

[Link: https://www.unsec.com/2023/10/10/unsec-cyber-security-summit/](#)

SPACENACK 2023 Cybersecurity Edition

The Hackathon's challenge has three areas, two of each addressing a unique aspect of space cybersecurity and one representing a wild and open challenge. Competitors can choose to address any one of these areas or a combination of them. Organized by the University of Cambridge on October 17th and 18th, 2023. [#Hackathon](#) [#Challenge](#)

[Link: https://www.spacenack.com/](#)



Space Cybersecurity Mission Control Table Top Exercise

The Space Cybersecurity Mission Control TTX, organized by the SGAC's Space and Cyber Project Group, American Institute of Aeronautics and Astronautics (AIAA) Aerospace Cybersecurity Working Group (ACWG), Space ISAC, and the Cornell Aerospace Adversary Lab! The TTX will be a fully online event and held alongside the AIAA ASCEND conference on October 21st 2023. [#TTX](#) [#SpaceCybersecurity](#)

[Link: https://spacegeneration.org/mission-control-ttx-hackathon](#)

Security Checklist Hour

Podcast episode where Tom Cross brings more news from this year's Black Hat conference, including details on the headline grabbing satellite hacking challenge. [#Podcast](#) [#BlackHat](#)

[Link: https://www.inhale.com/insights/articles/black-hat-2023/](#)

SEAD 5 Korea kicks off annual defense forum with space and cybersecurity talks

South Korea's defense ministry opened an annual international defense forum in Seoul on Tuesday for talks on promoting space and cooperation against regional and global security challenges. [#Conference](#) [#SouthKorea](#)

[Link: https://www.koreaherald.com/view.php?rid=NEWS&cid=20231010121&cid=20231010121](#)

October 11 2023 Research Series Space Law and Space Cybersecurity Round table

Online Workshop Director of the Space Cybersecurity Lab and Working Scholar Dr. Alan Tappan hosts a Round Table topic Space Law and Space Cybersecurity. [#SpaceLaw](#) [#SpaceCybersecurity](#)

[Link: https://www.usraia.com/2023/10/10/alan-tappan-11-10-2023/](#)

Launching a Secure Future: Cybersecurity Best Practices for Space Startups

The past week marked the World Space Week, an international celebration of science and technology that commemorates key moments in history. [#SpaceCybersecurity](#)

[Link: https://medium.com/@spacewatch/launching-a-secure-future-cybersecurity-best-practices-for-space-startups-17d1e1e1e1e1](#)





THREAT INTELLIGENCE



Russian Hacktivists now targeting Israeli global satellite and Industrial Control Systems

Israel Global Navigation Satellite Systems (GNSS), Building Automation and Control Networks (BACNs), and Medical Industrial Control Systems are the latest targets of the hacker group, according to a post on its Telegram channel Tuesday morning. #SpaceSec #Hacking #Israel

[Link: https://www.cyberinflight.com/news/russian-hackers-target-israel-global-satellite-control-systems/](#)



An analysis of the Viasat cyber attack with the MITRE ATT&CK® framework

This article, is about the modelisation of the Viasat cyber attack that occurred on 24 February, 2022, based on the MITRE ATT&CK framework. #Viasat #MITREATT&CK

[Link: https://www.spacesecurity.info/an-analysis-of-the-viasat-cyber-attack-with-the-mitre-attck-framework/](https://www.spacesecurity.info/an-analysis-of-the-viasat-cyber-attack-with-the-mitre-attck-framework/)

IS a Space one you cannot? (Track: IS76) how what is IS?

A couple of weeks ago, someone online made reported on the creation of a new Strategic Support Force facility in China called 'Space IS' with the task of tracking, identifying and analyzing foreign space objects and warning of potential threats - for example, a missile attack. #SpaceIS #China

[Link: https://www.cyberinflight.com/news/space-is-what-is-it/](#)



Maritime navigation under threat GNSS spoofing raises security concerns

Contemporary maritime transportation relies on Global Navigation Satellite Systems (GNSS) for accurate navigation. GNSS systems are vulnerable to spoofing attacks. Recent incidents have shown that even low cost equipment can receive spoofing attacks. Research groups are using GNSS spoofing to attack maritime. Countermeasures will be complete protection measures for vessels. #Spoofing #GNSS

[Link: https://www.cyberinflight.com/news/maritime-navigation-under-threat-the-chinese-are-trying-it/](#)

US Space Force Passes Use of AI Tools Like ChatGPT Over Data Security Risks

The U.S. Space Force has passed the use of web-based generative artificial intelligence tools like ChatGPT for its workforce over data security concerns, according to a memo sent by leaders. #AI #USAF

[Link: https://www.cyberinflight.com/news/us-space-force-passes-use-of-ai-tools-like-chatgpt-over-data-security-risks/](#)



Who hacked NASA in 1989?

In 1989, one of the most notorious cyber attacks in history took place when NASA's security systems were breached. The intrusion went undetected for days, the scientific community and raised serious concerns about the vulnerability of even the most advanced technological systems. #Hacking #NASA

[Link: https://www.cyberinflight.com/news/who-hacked-nasa-in-1989/](#)



ISF increases GPS jamming in West Asia Region to Prevent Hamas, Hezbollah Drone Attacks

The Israeli Defense Forces increased GPS jamming in the region to prevent drone attacks by Hamas and Hezbollah, Israeli-based newspaper Haaretz said in a report. #Jamming #Israel

[Link: https://www.cyberinflight.com/news/israel-increases-gps-jamming-in-west-asia-region-to-prevent-hamas-hezbollah-drones/](#)



Egyptian targets NASA website

Egyptian has targeted the NASA website, shutting it down for a few moments. #Hacking #NASA

[Link: https://www.cyberinflight.com/news/egyptian-targets-nasa-website/](#)



Threat Briefing Year in Review: Top Threats to the Space Sector

The year 2022 has been marked by significant cyber incidents in the space sector. Without question, from 2022 to 2023, the frequency of cyber campaigns targeting the space industry has escalated. #Cybersecurity #Threats

[Link: https://www.cyberinflight.com/news/top-threats-to-the-space-sector/](#)

CyberInflight is a Market Intelligence company dedicated to the topic of Space Cybersecurity. The company provides strategic market and research reports, bespoke consulting, market watch & OSINT researches and cybersecurity awareness training.
Contact us at: research@cyberinflight.com