

# SPACE CYBERSECURITY WEEKLY WATCH

Week 27

June 27 – July 3, 2023

Timeframe : Weekly  
# of articles identified : 28  
Est. time to read : 45 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
- THREAT INTELLIGENCE
- REGULATION
- MARKET & COMPETITION
- TECHNOLOGY
- TRAINING & EDUCATION
- ★ IMPORTANT NEWS

## Overview

A cyberattack against a Russian satellite provider - Dozor-Teleport - took place this week. At the beginning, this cyberattack was attributed to supporters of the Wagner group. This was not the only major cyberattack of the week, as the hacker group SiegedSec claimed responsibility for an attack on several satellite receivers throughout the US. On the technology front, this week saw the demonstration of SpiderOak. Still in this section, the US is 2 years behind schedule in the development of a weapon to jam Russian and Chinese communications. On the market front, the European Commission has issued another call for projects under the EUDIS program. On the U.S. side, the DoD has awarded SES a 5-year Global X-Band contract worth around \$134 million. Finally, Indiana University has set up a new Space Governance Policy Lab enabling a space governance and space-cybersecurity digital badge.

## GEOPOLITIC

### New US military will partner with US SPACECOM on space domain awareness

The US Army Task Force Space Defense Commercial Operations will partner with the US Space Force to provide satellite intelligence, especially through cyberattacks and dangerous space activities. #US #UK

[https://www.defence.gov/News/News-Release/Article/Article\\_ID/340000/](#)



### House appropriations target space force programs

The House Appropriations Committee has passed a bill that would cut funding for the Department of Defense for fiscal year 2024, about \$20 billion above the Biden administration's request. The bill, however, recommends nearly \$1 billion in cuts from the U.S. Space Force's \$20 billion request. #US #Budget

[https://www.space.com/news/2023/06/27/house-appropriations-target-space-force-programs/](#)



### The 12th EU-US Space Dialogue convened in Brussels

Following between the EU and the US at Brussels on the 26 - 27 June, the further continuation of a space dialogue. The EU and the US delegations gathered in Brussels with ongoing work topics include important cooperation on EUDIS, EUSC, EUSC, EUSC and its applications, space situational awareness, the safety of spaceflight as well as long term sustainability of space activities. A dedicated part of the dialogue addressed space security. #EU #US

[https://www.ec.europa.eu/commission/press-materials/press-conferences-events/space-dialogue-between-eu-and-us-2023\\_en](#)



### ★ Elon Musk's Starlink being tested by Japan's armed forces – report

The Self-Defense Forces (SDF) have been using Starlink with the aim to boost SDF's communication strength amid actions by China and Russia to bolster their abilities to attack satellites. #Japan #Starlink

[Link: https://www.msn.com/en-us/news/world/elon-musks-starlink-being-tested-by-japans-armed-forces-report/ar-AA1d61Un](https://www.msn.com/en-us/news/world/elon-musks-starlink-being-tested-by-japans-armed-forces-report/ar-AA1d61Un)





### Hackers attack Russian satellite telecom provider, claim affiliation with Wagner Group

Unauthorized hackers claimed to have targeted Starlink, a satellite telecommunications provider that services areas throughout Russia, Russian military units and the Federal Security Service (FSB), among others, according to a message posted by Telegram user @wagnergroup1918. #Russia #Cyberattack

**Link:** <https://www.cyberinflight.com/2023/06/27/hackers-attack-russian-satellite-telecom-provider-claim-affiliation-with-wagner-group/>



### Russian telecom confirms hack after group backing Wagner boasted about an attack

The Russian satellite telecom company that hackers targeted this week in a claimed effort to support the Wagner paramilitary group confirmed the cyberattack on Friday, according to a Russian technology publication.

#Russia #Cyberattack

**Link:** <https://cyberscoop.com/russia-satellite-hack-wagner/>



### Alleged spy had contact with Russian diplomat while working in space sector in Ireland

An Irish citizen, accused of possible espionage by Australian authorities, is alleged to have had contact with a Russian diplomat while living in Ireland. #Russia #Cyberattack

**Link:** <https://www.cyberinflight.com/2023/06/27/alleged-spy-had-contact-with-russian-diplomat-while-working-in-space-sector-in-ireland/>

## THREAT INTELLIGENCE

### Hackers claim to take down Russian satellite communications provider

A group of previously unknown hackers has claimed responsibility for a cyberattack on the Russian satellite communications provider Starlink, which is used by energy companies and the country's defense and security services. #Russia #Cyberattack

**Link:** <https://www.cyberinflight.com/2023/06/27/hackers-claim-to-take-down-russian-satellite-provider/>



### SiegedSec hackers group has claimed the responsibility for an attack on the US

"The final attack on the U.S has arrived " #SiegedSec hackers group has claimed the responsibility for infiltrating Texas Fort Worth Transportation & Public Works, satellite receivers, and industrial control systems throughout the United States. Additionally, they allegedly claimed to have conducted a supply chain attack targeting major companies including Halliburton, Shell, Helix Energy, and Oceaneering. #SiegedSec #Cyberattack

**Link:** <https://twitter.com/FalconFeedsio/status/1675155154226618371>



## REGULATION

### ISIRI sets a new gold standard in cybersecurity

ISIRI, a leading cybersecurity firm, has announced a new program aimed to identify and fix high severity vulnerabilities before attackers can exploit them. #ISIRI #Cybersecurity

**Link:** <https://www.cyberinflight.com/2023/06/27/isiri-sets-a-new-gold-standard-in-cybersecurity/>





# MARKET & COMPETITION



## European Defence Fund, via alle calls for proposals (Trad.: European Defence Fund, start of calls for proposals)

The European Commission will fund projects aimed at developing strategic capabilities and technologies. Also introduced are a number of new measures to promote innovation in the sector under the auspices of the EUDIS Innovation program. Proposals can be submitted until Nov. 22. #EU #EUDIS

**Link:** <https://www.spaceeconomy360.it/difesa-cybersecurity/european-defence-fund-via-alle-calls-for-proposals/>



## QPR to lead up Galileo ground segment after securing a new contract worth over €200 million

Technology multinational QPR, which specialises in systems engineering, development and integration, has recently been awarded a major contract by the European Space Agency (ESA). The contract entails developing the ground control segment for the in-orbit validation of the system of the Galileo second generation (G2M). #QPR #Galileo

**Link:** <https://www.spaceeconomy360.it/difesa-cybersecurity/qpr-to-lead-up-galileo-ground-segment-after-securing-a-new-contract-worth-over-200-million>



## U.S. DoD Awards USD 134 Million Global E Band Market Purchase Agreement to ISI Space & Defense

ISI Global Enterprise Solutions, acquired and now part of ISI's wholly owned subsidiary ISI Space & Defense, has been awarded a five-year E Band Market Purchase Agreement (EPA) with an estimated value of USD 134 million in support of the U.S. Department of Defense. The single award EPA was awarded through Defense Information Systems Agency's Defense Information Technology Contracting Organization (DITC) to by the U.S. Space Force. #DoD #ISI

**Link:** <https://www.spaceeconomy360.it/difesa-cybersecurity/u-s-dod-awards-usd-134-million-global-e-band-market-purchase-agreement-to-isi-space-and-defense>



## ISRO, ISLJ set up joint venture to collaborate on IS-6000, cybersecurity, smart meters

State-run telecom operator Bharat Sanchar Nigam Limited (BSNL) and the Electronics Corporation of India Limited (ECIL) have today signed a three-year memorandum of understanding (MoU) to collaborate on software-defined wide area networks (SD-WAN), cybersecurity, smart meters, surveillance systems, and 5G/6G with the objective of offering an ecosystem of cost-effective products under the Make in India (MI) mode. #ISRO #ISLJ #Cybersecurity

**Link:** <https://www.spaceeconomy360.it/difesa-cybersecurity/isro-islj-set-up-joint-venture-to-collaborate-on-is-6000-cybersecurity-smart-meters>



## Cyber, software contracts for intel and homeland security garner \$207 \$180 million

General Dynamics Information Systems (GDIS) announced that its intelligence & homeland security division secured contracts valued at \$207 million. #GDIS #Cybersecurity

**Link:** <https://www.spaceeconomy360.it/difesa-cybersecurity/cyber-software-contracts-for-intel-and-homeland-security-garner-207-180-million>

## Secure IC partners with HENSOLDT to drive the advancement of post-quantum cryptography

The project will focus on improving the security of communication systems used in aerospace applications, such as satellite communication and secure data exchange between aircraft and ground stations. #Quantum #Cryptography

**Link:** <https://www.spaceeconomy360.it/difesa-cybersecurity/secure-ic-partners-with-hensoldt-to-drive-the-advancement-of-post-quantum-cryptography>



# TECHNOLOGY



## SpiderOak Demonstrates OrbitSecure Cyber Software on Ball Aerospace Satellite

The OrbitSecure cybersecurity software uses encryption and distributed-ledger software to operate a decentralized key management system. The software has been tested on the ground, but this was the first test in space.

#SpiderOak #Cybersecurity

**Link:** <https://www.satellitetoday.com/cybersecurity/2023/06/26/spideroak-demonstrates-orbitsecure-cyber-software-on-ball-aerospace-satellite/>



## Satellite-based 'Space Wallet' reimagines transaction security

Cryptomark, a startup specializing in launching satellite-based trusted transaction environments (TTEs) for blockchain projects, has collaborated with Ball Aerospace to launch the world's first "space wallet," according to a new 26-page statement shared with reporters. #SpaceTech #Blockchain

**Link:** <https://www.satellitetoday.com/cybersecurity/2023/06/26/spideroak-demonstrates-orbitsecure-cyber-software-on-ball-aerospace-satellite/>

## Let's Talk About Satellite Signal Interference

Article about the vulnerabilities of GNSS and the role of satellite signal interference, including jamming and spoofing, as well as the general lack of robustness of GNSS-enabled devices to various interferences. #GNSS

**Link:** <https://www.satellitetoday.com/cybersecurity/2023/06/26/spideroak-demonstrates-orbitsecure-cyber-software-on-ball-aerospace-satellite/>

## Smaller Space: Protecting the Future of LEO Satellites with Advanced Web Application Security

Post about the need to protect and secure LEOs from potential threat with advanced security measures. #SpaceSecurity #WebAppSec

**Link:** <https://www.satellitetoday.com/cybersecurity/2023/06/26/spideroak-demonstrates-orbitsecure-cyber-software-on-ball-aerospace-satellite/>

## Ball & Schwab collaborates with Qualcomm to test 3GPP Rel. 17 6G and 5G satellite signals for 5G NTN

Ball & Schwab in collaboration with Qualcomm Technologies, Inc., will conduct a comprehensive set of tests for 5G NTN over non-terrestrial networks (NTN) to accurately verify how 5G internet of things (IoT) data across various operating modes using 5G and 6G constellations in line with the 3GPP Release 17. #5G #6G

**Link:** <https://www.satellitetoday.com/cybersecurity/2023/06/26/spideroak-demonstrates-orbitsecure-cyber-software-on-ball-aerospace-satellite/>



## US weapon to jam Chinese and Russian satellites is running two years late

A portable US weapon that would temporarily jam Chinese and Russian communications satellites early in a conflict is running two years late for its first deliveries. #Jamming #US

**Link:** <https://www.scmp.com/news/world/united-states-canada/article/3226007/us-weapon-jam-chinese-and-russian-satellites-running-two-years-late>



## ISRO aims to launch QEO satellite, AI-enabled to play key role

The Indian Space Research Organisation aims to launch its next Quantum Key Distribution satellite, with AI-enabled ground to play a central role in the development of the nation's secure and unbreakable quantum communication capabilities. #ISRO #QKD

**Link:** <https://www.satellitetoday.com/cybersecurity/2023/06/26/spideroak-demonstrates-orbitsecure-cyber-software-on-ball-aerospace-satellite/>





# TRAINING & EDUCATION



## Five Teams of Hackers Will Compete to Breach U.S. Satellites in Space

This August, at the annual OASAT hacker convention, the U.S. military will stage a contest in which competing teams of white hat hackers will, for the first time ever, try to penetrate and take over computer systems on a satellite actually in orbit. **#Hack & Sat**

**Link:** <https://www.cyberinflight.com/news/five-hackers-will-compete-to-breach-a-satellite-space-2023/>



## IU's Space Governance Lab offers first space governance law courses in the country

The new Space Governance Policy Lab at Indiana University offers the first ever space governance and space-cybersecurity digital badge – a non-credit certificate – in the United States, training the future space workforce and the next generation of space-cybersecurity. **#SpaceCybersecurity**

**Link:** <https://research.impact.iu.edu/key-areas/cyber-and-national-security/stories/space-governance-lab.html>



## Cybersecurity in, for and from Space

The event "Cybersecurity in, for and from Space" is organized by Fondazione E. Agnelli, an ESA Business Applications Academic Platform for Italy, and the European Space Agency, in collaboration with the Italian Space Agency. **#ESA #ESA**

**Link:** [https://www.esa.int/ESA/Space/Cybersecurity\\_in\\_for\\_and\\_from\\_Space](https://www.esa.int/ESA/Space/Cybersecurity_in_for_and_from_Space)

[https://www.esa.int/ESA/Space/Cybersecurity\\_in\\_for\\_and\\_from\\_Space](https://www.esa.int/ESA/Space/Cybersecurity_in_for_and_from_Space)



## Securing the Cyber Galaxy: Electronics Cyber Defense in Space

Workshop on June 27, 2023, about the emerging global challenge of cybersecurity for space, and the Israeli experience.

**Workshop Head:**

**Link:** <https://www.moscow.gov.il/eng/Workshop-Securing-the-Cyber-Galaxy-2023-Workshop-Head-Cyber-Defense-in-Space>



Presentation de la nouvelle édition de l'Analyse normative de secteur aéronautique lors du workshop - Technical Standardization in Space and Cybersecurity - (Trad. - Presentation of the new edition of the Aerospace Standards Analysis at the "Technical Standardization in Space and Cybersecurity" workshop)

Link to provide the contributing organizations with a normative response to the issue. **Workshop**

**Technical Standardization in Space and Cybersecurity** workshop on Tuesday, June 27, 2023. **Workshop**

**Link:** <https://www.moscow.gov.il/eng/Workshop-Securing-the-Cyber-Galaxy-2023-Workshop-Head-Cyber-Defense-in-Space>



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.

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