SPACE CYBERSECURITY WEEKLY WATCH

Week 39

September 23 - 29, 2025

Timeframe: Weekly

# of articles identified: 44

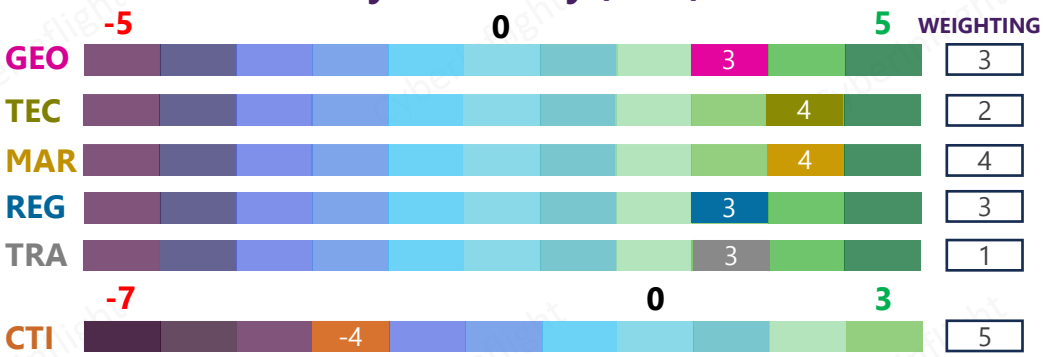
Est. time to read: 95 minutes

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

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

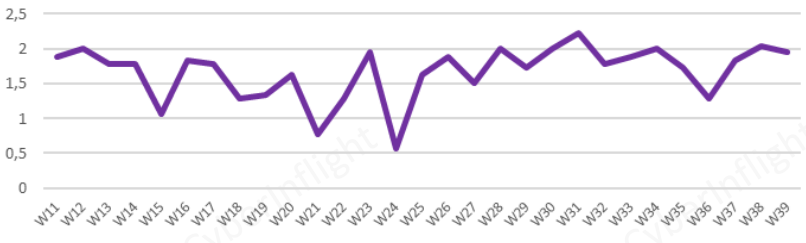
RISC Score Assessment

Overview & Resilience Index for Space Cybersecurity (RISC)



RISC Score evolution in 2025

The RISC score for this watch is 1.95, indicating a slight decrease from last week. Nonetheless, it still represents a solid score overall. This trend can be attributed to a strong focus on both market and technological developments, despite significant activity in threat intelligence.



This week, German Defense Minister Boris Pistorius announced that Germany will invest €35bn in space-related defense projects by 2030, stepping up the country's technological independence and ability to protect its assets in orbit amid an increasing militarization of outer space. On the regulation front, the U.S. Department of War (DoW), formerly the Department of Defense, announced the implementation of a Cybersecurity Risk Management Construct (CSRMC). This transformative framework will deliver real-time cyber defense at operational speed, ensuring cyber survivability and mission assurance in every domain, including space and cyberspace. Additionally, the U.S. Space Force Space Systems Command achieved a major milestone for Future Operationally Resilient Ground Evolution (FORGE) processing, delivering its new Overhead Persistent Infrared (OPIR) capabilities to the Space Operations Command and the OPIR Battlespace Awareness Center (OBAC), marking a key advancement in missile threat response. On the market front, CS Group has welcomed AIKO to its GOSMIC ground segment product line, known for its expertise in AI and its gifted-GENE AI platform for telemetry analysis and predictive maintenance. This partnership will bring advanced autonomy into space operations. Regarding threat intelligence, during the Air, Space, & Cyber Conference organized by the Air & Space Forces Association in Maryland, several Pentagon officials identified China as the primary threat to American interests in space. Lt. Gen. Douglas Schiess, commander of U.S. Space Forces-Space, emphasized that Beijing is rapidly advancing its space capabilities at an "incredible pace," quickly closing the gap with the U.S. military's long-standing dominance. Lastly, the training & education section focuses on the new developments in China's military cyber education system, which will shape the future of China's information warfare forces.

CYBERINFLIGHT'S NEWS

Our report is out: "Space Cybersecurity Market Intelligence, Edition 2025"

As space becomes an unprecedented strategic and dual-use domain, space cybersecurity has never been more critical. Cyberthreats against the space sector are evolving and adapting rapidly, driven by increasingly complex geopolitical tensions. Our latest 370-page market intelligence report offers an unprecedented overview of this fast-changing topic.

#Report #Edition2025

Source: *CyberInflight*

Cybersecurity for the future of satcom

The ESA Cybersecurity Makerspace project has started its first activities to explore innovative approaches for securing satellite communications. The initiative aims to test Proof-of-Concepts in realistic environments, addressing challenges such as secure communication, anomaly detection, and vulnerability analysis. As part of this effort, CyberInflight contributes by analyzing the impacts of new cyber regulations on the Satcom ecosystem.

#ESA #CybersecurityMakerspace

Source: *Cybersecurity Makerspace*

GEOPOLITICS

[redacted]

Germany pledges €35bn for space defense against Russia, China

Defense Minister Boris Pistorius said that Germany will invest €35bn ($41bn) in space-related defense projects by 2030, stepping up the country's technological independence and ability to protect its assets in orbit amid an increasing militarization of outer space. This reflects a broader shift toward contested space domains. **#Germany #Strategy**

Sources: *Defense News*, *WPN*

[redacted]

[redacted]

REGULATION

U.S. Department of War rolls out CSRMC to deliver real-time cyber defense

The U.S. Department of War (DoW) announced the implementation of a Cybersecurity Risk Management Construct (CSRMC), a transformative framework to deliver real-time cyber defense at operational speed. This five-phase construct ensures that U.S. warfighters maintain technological superiority against rapidly evolving and emerging cyber-threats. By institutionalizing this construct across the Department, the DoW is ensuring cyber survivability and mission assurance in every domain: air, land, sea, space, and cyberspace. **#CSRMC #Framework**

Sources: *Industrial Cyber*, *DoW*

REGULATION

[redacted]

TECHNOLOGY

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

Space Systems Command achieves operational acceptance for Future Operationally Resilient Ground Evolution (FORGE) processing: delivers new OPIR capabilities to operators

The U.S. Space Force Space Systems Command's System Delta 84 achieved a major milestone, delivering the second FORGE Operational Acceptance (OA#2) with new OPIR capabilities to the USSF's Space Operations Command (SpOC) and the OBAC at Buckley Space Force Base, Colorado. This achievement marks a key advancement in missile threat response.

#SSC #FORGE

Source: *Space Systems Command*

[redacted]

TECHNOLOGY

Deloitte studying cyber defense with an orbit testbed

Deloitte is using its first internally funded satellite to game out on-orbit cyberattacks with a new system that could bolster the resiliency of current and future spacecraft. Since the launch of Deloitte 1, a 10-kg cubesat, Deloitte's space team is using the satellite to test out 10 vignettes, or scenarios of varying levels of cyber threat or attack. Ryan Roberts said at the Space and Cyber Conference, During the tests, Silent Shield is ingesting radio frequency (RF) data and then analyzing it for cyber anomalies. #SilentShield #Deloitte 4

Source: Aviation Week

How AI and predictive analytics are making space tourism safer: Lessons from aerospace cybersecurity for business leaders

As civilian spaceflight becomes reality, machine learning algorithms process millions of data points to ensure passenger safety, while cybersecurity protocols protect both spacecraft systems and sensitive personal data. These aerospace innovations offer valuable lessons for businesses navigating digital transformation, demonstrating how AI-driven decision-making can manage extreme risk scenarios while maintaining operational excellence. #SpaceTourism #Safety

Source: TheSpaceJournal

MARKET & COMPETITION

SK hynix and the Seoul Metropolitan Government sign MoU to establish a post-quantum semiconductor personalization research and design center in Seoul

SK hynix Corp announced the signing of a Memorandum of Understanding (MoU) with the Seoul Metropolitan Government and Invest Seoul, which aims to establish a Post-Quantum Semiconductor Personalization, Research and Design Center in Seoul. The new center would partly serve to integrate quantum-resistant encryption modules into satellite systems, enhancing secure space communications. #PostQuantum

Source: The Manila Times

Cybersecurity Axio joins the EU Space ISAC

Axio has officially joined EU Space ISAC, the European network that brings together public and private actors engaged in analysing and sharing information on security in the space sector. Its operational debut took place on 16 September 2025, with participation in Working Groups 1 #Axio #EUSpaceISAC

Source: Axio

SpiderOak selected by space development agency to deliver next-generation high-assurance encryption

The Space Development Agency has awarded SpiderOak a Small Business Innovation Research (SBIR) contract to deliver a High Assurance Internet Protocol Encryptor (HAIPE) enhanced with microsegmentation across SDA's Network Established Beyond the Upper Limits of the Atmosphere (NEBULA) on-orbit "mid" networks. The program ensures mission resiliency, high availability, and uncompromising data protection including contested environments. #SDA #Contract

Source: Cyber Technology Insights

Commscrip partners with Rivada for next generation connectivity

Commscrip is partnering with Rivada Space Networks to provide a unique next generation connectivity network with the necessary security and performance to drive digital innovation and transformation. Rivada has now lined up over $1Bn of business globally for its unique LEO network. Commscrip will harness Rivada's Outernet to provide resiliency for high quality voice, video and data solutions and a new level of cybersecurity to the enterprise and government sectors that require secure infrastructure. #Connectivity #Contract

Source: The UK Journal

SatNews, SpaceNews launch EU Space Defence Track at SmallSat Europe 2026

SatNews and SpaceNews have partnered to launch the EU Space Defence Track at SmallSat Europe 2026 in Amsterdam, convening stakeholders to discuss small satellites' role in enhancing Europe's defence amid geopolitical tensions. Drawing from Ukraine lessons, it focuses on rapid procurement, dual-use innovations, and resilient systems. The initiative aims to boost Europe's space autonomy and counter threats like GPS jamming. #EUSpaceDefenseTrack #Partnership

Source: SATN

AWS Space Accelerator program to support 67 startups across Australia, India, and Japan

Amazon Web Services (AWS) announced the cohort of 67 startups from Australia, India, and Japan selected for the AWS Space Accelerator: APJ 2025 program. These startups will receive support from AWS and partner organizations to accelerate their growth and innovation in the space technology sector. #AWS #APJ2025

Source: AWS

MARKET & COMPETITION

[redacted]

[redacted]

Great news from Toulouse: CS Group and AIKO are teaming up

CS Group welcomed AIKO, which brings its renowned expertise in AI and its gifted-GENE AI platform for telemetry analysis and predictive maintenance, to its GOSMIC ground segment product line. This partnership is the launchpad of a long-term collaboration, bringing advanced autonomy into space operations and shaping a future where complexity is managed, resilience is built in, and innovation never stops. **#AIKO #Partnership**

Source: *CS Group*

THREAT INTELLIGENCE

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

THREAT INTELLIGENCE

[redacted]

[redacted]

US Space Force warns of China's growing orbital threat

In a stark assessment delivered at the Air, Space & Cyber conference, Lt. Gen. Douglas Schiess, commander of U.S. Space Forces-Space, declared China the preeminent threat to American interests in orbit. He emphasized that Beijing is advancing its space capabilities at an "incredible pace," rapidly closing the gap with the U.S. military's longstanding dominance. Gen. Sidari, deputy chief of space operations for intelligence, appeared alongside other top intelligence officials at the conference and outlined that China has accelerated its development to defeat the joint force.

#USSF #Rivalry

Sources: *WPN*, *The Washington Times*

[redacted]

[redacted]

[redacted]

TRAINING & EDUCATION

[redacted]

TRAINING & EDUCATION

[redacted]

[redacted]

The PLA goes back to school: Mapping new developments in China's military cyber education system

In China, cyber-track cadets are heading into classrooms that don't look quite like last year's. The People's Liberation Army (PLA) has recently reshuffled its military cyber education system and that shake-up is going to shape the future of China's information warfare forces. **#PLA #School**

Source: *Margin Research*

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

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