

# SPACE CYBERSECURITY WEEKLY WATCH

Week 9

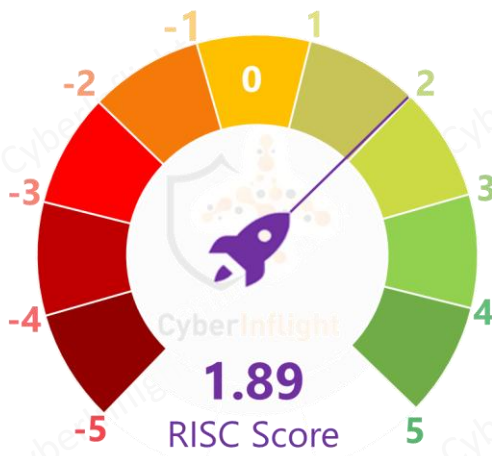
February 25 – March 3, 2025

Timeframe: Weekly  
# of articles identified: 22  
Est. time to read: 25 minutes

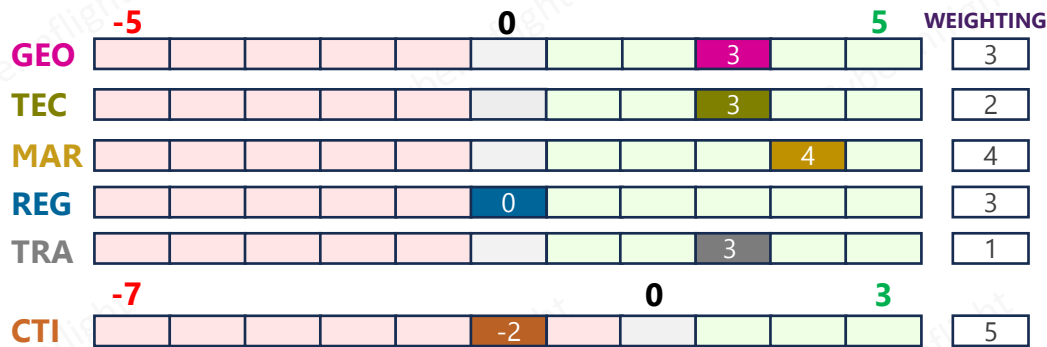
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

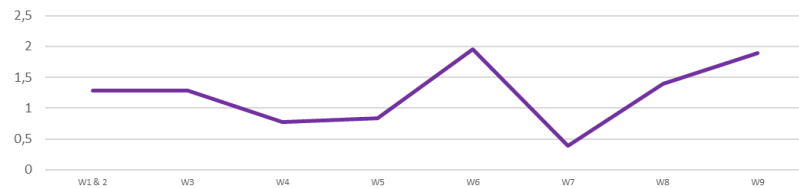
## RISC Score Assessment



## Overview & Resilience Index for Space Cybersecurity (RISC)



## RISC Score evolution in 2025



The RISC score for this watch is 1.89, a little increase from last week. This score is due to some positive geopolitical strategies and advancements, a high amount of news on the market, and few threats.

This week's geopolitics include Defense Secretary Pete Hegseth's order for US Cyber Command to cease all planning against Russia, including offensive digital actions. On the market side, the European Space Agency (ESA) has signed a contract with a consortium of European companies to conduct a definition study and associated critical technology predevelopment to drive the development of optical positioning, navigation, and timing (PNT) technology. On the threat intel side, Polish officials have confirmed that the country's cybersecurity services had detected an unauthorized breach of the Polish Space Agency's (POLSA) IT infrastructure. The cyberattack on POLSA prompted immediate action to protect sensitive systems and launch an investigation to identify the perpetrators behind the incident. Moreover, on the technical front, according to researchers, a hybrid quantum-classical computing framework enhances space mission operations by integrating quantum sensors, processors, and communication networks with conventional spacecraft systems. Lastly, in alignment with the SATELLITE Conference & Exhibition, GovMilSpace's program is out! The event will bring together government and military agencies, the intelligence community, and satellite and space industry partners to explore how the private sector can enhance critical missions for the US and its global allies.



# GEOPOLITICS

## ★ Hegseth orders cyber command to stand down on Russia planning

Defense Secretary Pete Hegseth last week ordered US Cyber Command to stand down from all planning against Russia, including offensive digital actions, according to three people familiar with the matter. **#CyberCommand #Russia**



**Link:** <https://therecord.media/hegseth-orders-cyber-command-stand-down-russia-planning>

### It's crucial and cyber means Europe - NATO strategy

The mission of the European Union Agency for Cybersecurity (ENISA) is to address a high common level of cybersecurity across the Union. We aim to be a public-private partnership in cybersecurity, including industry cooperation. The goal is to ensure that the EU is a global leader in cybersecurity. **#NATO #Cyber**



**Link:** <https://www.euro-nat.com/en/2025/02/25/its-crucial-and-cyber-means-europe-nato-strategy/>

### How are all of our allies with their operations. When you see them all together, it's really something to see

We bring about our allies, allies and allies from allies all the time. They are the units that bring together with great speed and precision the critical mission support that ensures our victory. **#NATO #Cyber**



**Link:** <https://www.euro-nat.com/en/2025/02/25/how-are-all-of-our-allies-with-their-operations-when-you-see-them-all-together-its-really-something-to-see/>

### The three pillars of US technological leadership

To remain global technological leadership and strategic global ally, the US must implement aggressive policies to attract and retain talent, invest in research and development, and create a robust infrastructure to support these efforts. **#NATO #Cyber**



**Link:** <https://www.euro-nat.com/en/2025/02/25/the-three-pillars-of-us-technological-leadership/>

# MARKET & COMPETITION

## ★ ESA to develop optical PNT technology

The European Space Agency (ESA) has signed a contract with a consortium of European companies to conduct a definition study (Phase A/B1) and associated critical technology predevelopment to drive the development of optical positioning, navigation and timing (PNT) technology. **#PNT #ESA**



**Link:** <https://www.gpsworld.com/esa-to-develop-optical-pnt-technology/>

### How to address America's needs in strategic space force

The United States Space Force is a critical component of our national security. We must ensure that the space we orbit is secure and that we are able to defend it. We must also ensure that we are able to provide the services that our citizens and our allies need. **#NATO #Cyber**



**Link:** <https://www.euro-nat.com/en/2025/02/25/how-to-address-americas-needs-in-strategic-space-force/>

### How Europe & Defense address cybersecurity security model certification (CMMC) level 2

How Europe and Defense address cybersecurity security model certification (CMMC) level 2. This is a critical component of our national security. We must ensure that we are able to provide the services that our citizens and our allies need. **#NATO #Cyber**



**Link:** <https://www.euro-nat.com/en/2025/02/25/how-europe-and-defense-address-cybersecurity-security-model-certification-cmmc-level-2/>

### CMMC also contract with 11 space to provide and to and security to another certification

CMMC also contract with 11 space to provide and to and security to another certification. This is a critical component of our national security. We must ensure that we are able to provide the services that our citizens and our allies need. **#NATO #Cyber**



**Link:** <https://www.euro-nat.com/en/2025/02/25/cmmc-also-contract-with-11-space-to-provide-and-to-and-security-to-another-certification/>

## MARKET & COMPETITION

**Quantum-resistant cryptosignatures to safeguard electronic mail documents against quantum computing threats**

The new mail solution is designed to address the security challenges of quantum computing by providing quantum-resistant cryptographic protocols for authenticating the electronic content. **Quantum Mail**

**Link:** [https://www.quantum-resistant.com/quantum-resistant-cryptosignatures-secure-email-communication-against-quantum-computing-threats](#)

**Space System Systems wins DPA, awarded to demonstrate LEO DPA utilization**

Space System Systems signed a DPA contract with the Space Research and Development Corporation (SRDC) for providing integration and testing services for the Department of Defense's LEO DPA utilization. **Space System Systems**

**Link:** [https://www.space-systems.com/newsroom/2025/02/25/space-system-systems-wins-dpa-contract-to-provide-integration-and-testing-services-for-the-department-of-defense-leo-dpa-utilization](#)

**What is the new DPA with releases and satellite providers also set up?**

Space System Systems is a leading provider of ground support services for satellite providers. The ground support infrastructure required to maintain satellite constellations with the earth is critical. With Space System Systems' new offering, users can now manage their satellite constellations with a growing number of providers and an increasing range of services. **Space System Systems**

**Link:** [https://www.space-systems.com/newsroom/2025/02/25/what-is-the-new-dpa-with-releases-and-satellite-providers-also-set-up](#)



## TECHNOLOGY

**Quantum navigation could revolutionize how we travel. So what is it, and how does it work?**

Quantum navigation is an emerging technology in the sky – one that is set to revolutionize how we travel. It's a quantum navigation system that uses quantum entanglement to provide precise location and navigation data. **Navigation Quantum**

**Link:** [https://www.navigation-quantum.com/newsroom/2025/02/25/quantum-navigation-could-revolutionize-how-we-travel-so-what-is-it-and-how-does-it-work](#)



### ★ Hybrid quantum approach could help astronauts on deep space missions

A hybrid quantum-classical computing framework to enhance space mission operations by integrating quantum sensors, processors, and communication networks with conventional spacecraft systems, according to researchers.

**#Quantum #Space**

**Link:** <https://thequantuminsider.com/2025/02/27/hybrid-quantum-approach-could-help-astronauts-on-deep-space-missions/>

**First satellite-based quantum receiver for industrial automation**

The receiver is the first satellite-based quantum receiver for industrial automation and industrial applications. It supports the new quantum communication network from the satellite constellation. The receiver enables users to cryptographically authenticate the source of a message using a message authentication code (MAC) to guarantee the authenticity of a digital transmission. **Quantum Mail**

**Link:** [https://www.quantum-resistant.com/newsroom/2025/02/25/first-satellite-based-quantum-receiver-for-industrial-automation](#)



**Groundbreaking laser-based quantum & photon-based data storage**

Quantum and photon-based data storage is the first quantum data storage architecture to be demonstrated. The architecture is the first quantum data storage architecture to be demonstrated. The architecture is the first quantum data storage architecture to be demonstrated. **Quantum Mail**

**Link:** [https://www.quantum-resistant.com/newsroom/2025/02/25/groundbreaking-laser-based-quantum-photon-based-data-storage](#)



# THREAT INTELLIGENCE



## Poland investigates the cyberattack on POLSA

The Polish officials has confirmed that the country's cybersecurity services had detected an unauthorized breach of the Polish Space Agency's (POLSA) IT infrastructure. The cyberattack on POLSA prompted immediate action to protect sensitive systems and launch an investigation to identify the perpetrators behind the incident. **#POLSA #Breach**



**Link:** <https://osintcorp.net/poland-investigates-the-cyberattack-on-polsa/>

# TRAINING & EDUCATION

**A space situational awareness and detection finding approach for global navigation satellite system signals using off-the-shelf and proprietary antennas**

The paper describes a method of using space situational awareness based on receiving satellite signals before the signals are used for navigation. This method is based on receiving satellite signals before the signals are used for navigation. This method is based on receiving satellite signals before the signals are used for navigation.

**Link:** [https://www.nasa.gov/press/20250201/nasa-researchers-develop-space-situational-awareness-approach-for-global-navigation-satellite-system-signals-using-off-the-shelf-and-proprietary-antennas/](#)

**Adopting hybrid quantum-classical computing framework for deep space exploration mission optimization**

The study presents a framework to hybrid quantum-classical computing approach to solve space mission optimization problems. The framework includes quantum circuit generation, optimization, and simulation. The framework is applied to a deep space exploration mission optimization problem.

**Link:** [https://www.nasa.gov/press/20250201/nasa-researchers-develop-hybrid-quantum-classical-computing-framework-for-deep-space-exploration-mission-optimization/](#)

**OSINT intelligence and security impacts on critical infrastructure and intelligence strategies**

The paper presents a comprehensive overview of the role of OSINT intelligence in critical infrastructure and intelligence strategies. The paper discusses the challenges and opportunities of OSINT intelligence in critical infrastructure and intelligence strategies.

**Link:** [https://www.nasa.gov/press/20250201/nasa-researchers-develop-osint-intelligence-and-security-impacts-on-critical-infrastructure-and-intelligence-strategies/](#)

**Preparation for space security from an engineering student**

The paper describes the preparation for space security from an engineering student. The paper discusses the challenges and opportunities of space security from an engineering student.

## A new era of collaboration between government and industry leaders

Demystify the future of space technology. In alignment with the SATELLITE Conference & Exhibition, GovMilSpace brings together government and military agencies, the intelligence community, and satellite and space industry partners to explore how private industry can enhance critical missions for the US and its global allies. **#GovMilSpace #Conference**



**Link:** <https://www.satshow.com/govmilspace/>



*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](mailto:research@cyberinflight.com)*