



# SPACE CYBERSECURITY WEEKLY WATCH

Week 3

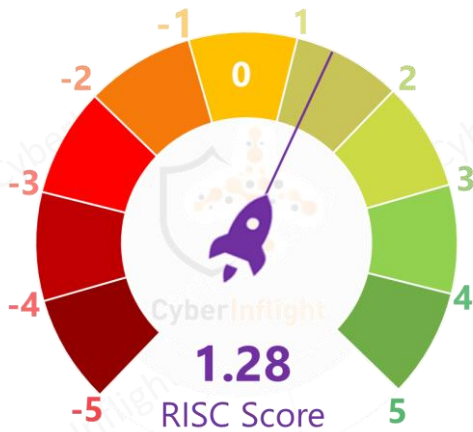
January 14 - 20, 2025

Timeframe: Weekly  
# of articles identified: 36  
Est. time to read: 60 minutes

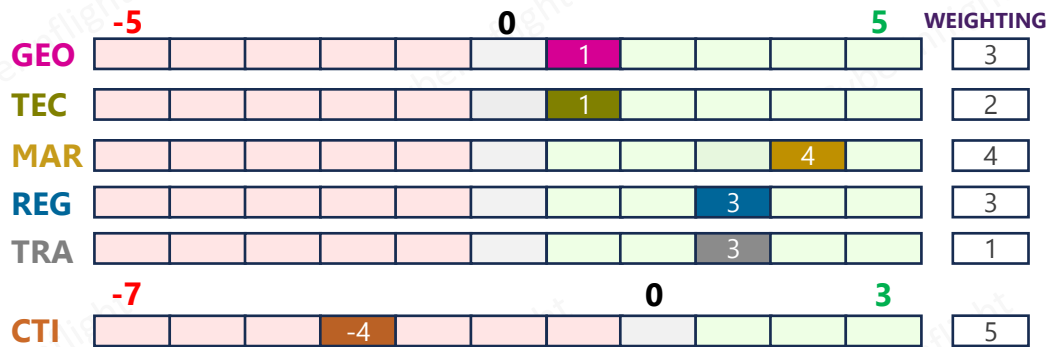
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

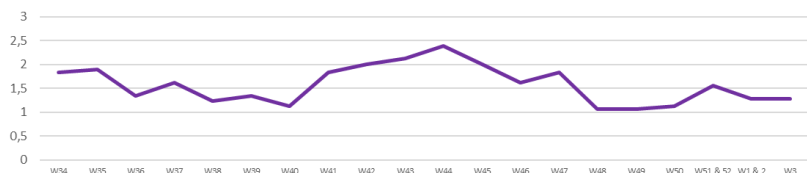
## RISC Score Assessment



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



## RISC Score evolution in 2024 and 2025



The RISC score for this watch is 1.28, which is a constant compared to last week. This score is especially due to a good market climate and important news about regulation.

On the geopolitical side, an article about the weaponization of space has been published. On the threat intel front, the WEF Global Cybersecurity Outlook 2025 report has been issued. It highlights key findings and emphasizes the intricate cybersecurity landscape, complicated by geopolitical tensions, emerging technologies, supply chain dependencies, and advanced cybercrime tactics. Still on the threat intel side, a Chinese-made action camera used by NASA and the US Air Force is collecting data and communicating with servers in China and Russia, posing a potential national security threat, according to a study obtained by *Newsweek*. On the technological side, the CIA nominee John Ratcliffe emphasized that emerging technologies like quantum computing and AI are critical to the future of national security, particularly in countering China's global ambitions. On the market front, Slingshot Aerospace was awarded a contract by the US Space Force's Space Systems Command to further develop its already operational GPS jamming detection technology by incorporating enhanced geolocation and artificial intelligence (AI) to detect threats around the globe in near real-time and help foreshadow future threats to international security. Moreover, Embry-Riddle Aeronautical University has joined the Space Information Sharing and Analysis Center (Space ISAC). On the regulation front, President Biden issued an Executive Order (EO) on Strengthening and Promoting Innovation in the Nation's Cybersecurity, to further address increasing threats from nation-state actors and cybercriminal organizations. Last but not least, the former NASA astronaut Ed Lu has been invited to talk on a podcast. Discover it!



# GEO POLITICS



## Spazio e sicurezza: nuove frontiere della difesa (Trad: Space and security: new frontiers of defence)

Since the launch of Sputnik in 1957, space has acquired a globally recognised strategic importance. This event, witnessing great scientific progress, marks a fundamental step by initiating the space exploration phase. From this moment on, space becomes an arena of contention characterised by strong national ambitions and interests. **#Awareness #Defense**

**Link:** <https://www.geopolitica.info/spazio-nuove-frontiere-difesa/>

### A spy satellite just in case Soviet of helped into the Cold War

In the early 1950s, the United States was in a race with the Soviet Union to develop the first satellite spy satellite. The program, known as the Corona program, was a key part of the US intelligence gathering effort during the Cold War.

**Link:** [https://www.foxnews.com/technology/satellite-1950s](#)



# THREAT INTELLIGENCE



## WEF Global Cybersecurity Outlook 2025 report addresses geopolitical tensions, emerging threats to boost resilience

Produced with Accenture, the WEF Global Cybersecurity Outlook 2025 report highlights key findings and emphasizes the intricate cybersecurity landscape, complicated by geopolitical tensions, emerging technologies, supply chain dependencies, and advanced cybercrime tactics. It also identifies that as cyberthreats continue to evolve, they not only threaten system functionality but also jeopardize human safety, increasing the severity and consequences of disruptions to vital infrastructure. **#Report #WEF**

**Link:** <https://industrialcyber.co/reports/wef-global-cybersecurity-outlook-2025-report-addresses-geopolitical-tensions-emerging-threats-to-boost-resilience/>

### French supports switch to alternative systems due to 5G concerns

France is pushing for a switch to alternative systems due to 5G concerns. The report states that France has increased significantly since 2019, with the government now supporting the development of alternative systems to 5G. This move is seen as a response to growing concerns about the security of 5G networks.

**Link:** [https://www.reuters.com/technology/france-pushes-switch-alternative-systems-5g-concerns-2025-01-14/](#)



### Spain considers cyber threat intelligence to offer commercial, sustainable

Spain is considering cyber threat intelligence to offer commercial, sustainable. The report states that Spain is looking for ways to monetize its cyber threat intelligence capabilities. This move is seen as a way to support the country's economic recovery.

**Link:** [https://www.reuters.com/technology/spain-considers-cyber-threat-intelligence-offer-commercial-sustainable-2025-01-14/](#)



### Cyber espionage, data breaches, and malware make the world of Chinese 5G threat

Cyber espionage, data breaches, and malware make the world of Chinese 5G threat. The report states that China is a major source of cyber threats. This move is seen as a way to protect the country's infrastructure.

**Link:** [https://www.reuters.com/technology/china-cyber-espionage-data-breaches-malware-2025-01-14/](#)



### 'We were spoiled as representing Ukraine only'

'We were spoiled as representing Ukraine only'. The report states that the US has been criticized for its role in the Ukraine conflict. This move is seen as a way to address the concerns of other countries.

**Link:** [https://www.reuters.com/technology/us-criticized-representing-ukraine-only-2025-01-14/](#)



## Intelligence 2025: Russia just in case Soviet of helped into the Cold War

The report states that Russia is a major source of cyber threats. This move is seen as a way to protect the country's infrastructure.

**Link:** [https://www.reuters.com/technology/russia-cyber-espionage-data-breaches-malware-2025-01-14/](#)



# THREAT INTELLIGENCE

**Document reveals how Chinese spies used an Air Force base of 2000 employees to spy**



**Link:** [https://www.reuters.com/technology/document-reveals-how-chinese-spies-used-air-force-base-2000-employees-spy-2025-01-16/](#)

## ★ Exclusive: how US forces and NASA could inadvertently be spying for China

A Chinese-made action camera used by NASA, the US Air Force and many other Americans is collecting data and communicating with servers in China and Russia, posing a potential national security threat, according to a study obtained exclusively by *Newsweek*. The study comes with tensions high between the US and China amidst concerns over espionage, technology and a growing military rivalry and with a new U.S. administration headed by Donald Trump poised to potentially take an even stronger stance on China. **#China #NASA**



**Link:** <https://www.newsweek.com/exclusive-how-us-forces-nasa-could-inadvertently-spying-china-2016700>

# TECHNOLOGY

## ★ CIA nominee highlights Quantum, AI as pivotal to national security

CIA nominee John Ratcliffe emphasized that emerging technologies like quantum computing and AI are critical to the future of national security, particularly in countering China's global ambitions. Ratcliffe highlighted the dual role of technology as both a vital tool and a significant target, pointing to advancements in quantum, AI, and surveillance as key challenges for the CIA. **#Threat #AI**



**Link:** <https://thequantuminsider.com/2025/01/16/cia-nominee-highlights-quantum-ai-as-pivotal-to-national-security/>

# MARKET & COMPETITION

**Swiss government will buy 100 for cybersecurity and AI capabilities**



**US awards \$1.4 billion for GPS jamming detection technology**



## ★ Slingshot Aerospace selected to provide technology to USSF to detect GPS jamming and spoofing threats to international security

Slingshot Aerospace was awarded a contract by the US Space Force's Space Systems Command to further develop its already operational GPS jamming detection technology by incorporating enhanced geolocation and artificial intelligence (AI) to detect threats around the globe in near real-time and help foreshadow future threats to international security. **#Slingshot #USSF**



**Link:** <https://www.slingshot.space/news/slingshot-aerospace-selected-to-provide-technology-to-ussf-to-detect-gps-jamming-and-spoofing-threats-to-international-security>

**US awards \$1.4 billion for GPS jamming detection technology**



**India Budget 2025 India space sector will continue to expand**





# MARKET & COMPETITION



## Embry-Riddle partners with Space ISAC to elevate space cybersecurity research and education

To advance space cybersecurity research and education, Embry-Riddle Aeronautical University has joined the Space Information Sharing and Analysis Center (Space ISAC), a coalition of industry leaders, government agencies and academic institutions that are leading efforts to enhance cybersecurity and threat sharing to protect the global space mission.



#SpaceISAC #EmbryRiddle

**Link:** <https://news.erau.edu/headlines/embry-riddle-partners-with-space-isac-to-elevate-space-cybersecurity-research-and-education>

### U.S. Space Operations to Operate on New Level of Security as New Communications Satellite is Launched

WASHINGTON, D.C. (SpaceNews) — The United States will launch its first ever space communications satellite in 2025, and the U.S. space force will be responsible for ensuring the satellite from launch to end-of-life. The satellite is the first of a series of satellites that will be launched in 2025 to provide a secure, resilient, and reliable space communications network for the U.S. space force. The satellite will be launched on the Falcon Heavy rocket, and the mission is expected to last for several years. **SpaceNews.com**



### Spain's Space Operations to Operate on New Level of Security as New Communications Satellite is Launched

Madrid (SpaceNews) — Spain's space operations will be on a new level of security as the country's first ever space communications satellite is launched in 2025. The satellite is the first of a series of satellites that will be launched in 2025 to provide a secure, resilient, and reliable space communications network for Spain's space force. The satellite will be launched on the Falcon Heavy rocket, and the mission is expected to last for several years. **SpaceNews.com**



### Italy's Space Operations to Operate on New Level of Security as New Communications Satellite is Launched

Rome (SpaceNews) — Italy's space operations will be on a new level of security as the country's first ever space communications satellite is launched in 2025. The satellite is the first of a series of satellites that will be launched in 2025 to provide a secure, resilient, and reliable space communications network for Italy's space force. The satellite will be launched on the Falcon Heavy rocket, and the mission is expected to last for several years. **SpaceNews.com**

### Industry Leaders Share Space and Satellite Forecasts for 2025

WASHINGTON, D.C. (SpaceNews) — Industry leaders gathered in Washington, D.C. for the 2025 Space and Satellite Forecasts conference, where they shared their views on the space industry's future. The conference featured presentations from industry leaders, government officials, and analysts. The speakers discussed the challenges and opportunities facing the space industry, and the role of government and industry in addressing these challenges. **SpaceNews.com**

### ESA's 2025 Satellite Launches to be 100% Green as Space Agency Announces New Satellite Launches

Brussels (SpaceNews) — The European Space Agency (ESA) has announced that all of its satellite launches in 2025 will be green. The agency is committed to reducing the carbon footprint of its space operations, and is working to develop and launch more sustainable satellites. The agency's new satellites will be launched on reusable launch vehicles, and will be designed to be more energy-efficient and longer-lasting. **SpaceNews.com**



### Space Force's 2025 Satellite Program Includes New Satellite Launches

WASHINGTON, D.C. (SpaceNews) — The U.S. Space Force has announced its 2025 satellite program, which includes the launch of several new satellites. The program is designed to provide the Space Force with a secure, resilient, and reliable space communications network. The new satellites will be launched on the Falcon Heavy rocket, and will be designed to be more energy-efficient and longer-lasting. **SpaceNews.com**



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# REGULATION

## Executive Order on Strengthening and Promoting Innovation in the Nation's Cybersecurity

On January 16, 2025, President Biden issued an Executive Order (EO) on Strengthening and Promoting Innovation in the Nation's Cybersecurity, to further address increasing threats from nation-state actors and cybercriminal organizations. This directive seeks to build on prior measures, such as Executive Order 14028, and provides additional steps for securing the nation's digital infrastructure such as enhancing cybersecurity across federal systems and collaborating with the private sector. #ExecutiveOrder #USA



## Link: <https://www.mayerbrown.com/en/insights/publications/2025/01/president-biden-issues-executive-order-on-strengthening-and-promoting-innovation-in-the-nations-cybersecurity>

## AI's Security is Key to Space Security

The international space community is increasingly aware of the security risks of AI systems in space. The use of AI in space operations is growing, and the risks of AI systems in space are increasing. The use of AI in space operations is growing, and the risks of AI systems in space are increasing. The use of AI in space operations is growing, and the risks of AI systems in space are increasing.

## Link: [https://www.mayerbrown.com/en/insights/publications/2025/01/ai-security-is-key-to-space-security](#)

## Cyber experts assess the impact of new quantum standards

Quantum computing is set to revolutionize many aspects of our lives, and the use of quantum computing in space operations is growing. The use of quantum computing in space operations is growing, and the risks of quantum computing in space operations are increasing. The use of quantum computing in space operations is growing, and the risks of quantum computing in space operations are increasing.



## Link: [https://www.mayerbrown.com/en/insights/publications/2025/01/cyber-experts-assess-the-impact-of-new-quantum-standards](#)

## The Security Framework and Satellite Security

The security framework for space operations is evolving, and the use of satellite security is growing. The use of satellite security is growing, and the risks of satellite security in space operations are increasing. The use of satellite security in space operations is growing, and the risks of satellite security in space operations are increasing.

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## AI's Cybersecurity Initiatives: What Government Manufacturers Need to Know

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## Strengthening space cybersecurity: How European Cooperation's guidance aligns with new Executive Order

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## Link: [https://www.mayerbrown.com/en/insights/publications/2025/01/strengthening-space-cybersecurity-how-european-cooperation-s-guidance-aligns-with-new-executive-order](#)



# TRAINING & EDUCATION



## Space jam: what if adversaries hacked a dead satellite ?

Former NASA astronaut Ed Lu used to worry about asteroids crashing into earth. Now, he's turned his attention to an even more pressing problem – the weaponization of space debris — and officials say it may have already happened.



#Podcast #SpaceDebris

**Link:** [https://play.prx.org/listen?ge=prx\\_8376\\_ec53f29a-22f9-4482-9f19-8cd9589960f3&uf=https%3A%2F%2Fpublicfeeds.net%2Ff%2F8376%2Fclickhere](https://play.prx.org/listen?ge=prx_8376_ec53f29a-22f9-4482-9f19-8cd9589960f3&uf=https%3A%2F%2Fpublicfeeds.net%2Ff%2F8376%2Fclickhere)

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**Contributions from the IEEE Standards Association (IEEE) to the IEEE Space System Cybersecurity Working Group on the new IEEE's Executive Order on Strengthening and Promoting Innovation in the National Cybersecurity**



**Cybersecurity and Space Program's Accreditation Manager**  
According to the report of the IEEE Security Office (ISO) and supporting the Space Program Accreditation and Security Engineering Manager, the Cyber Security and Space Program Accreditation Manager will be subject with managing ISO's cyber security activities and Space Program Accreditation and Certification process in coordination with the IEEE Security Office's activities. The report will be available soon.



**IEEE Security for Space Systems (ISS) will be open**  
IEEE Security for Space Systems (ISS) conference series information is being shared among members and providing an online platform for research and innovation in space system security. The ISS-22 conference will take place in 2022, featuring 100 presentations, from 4 to 6 December 2022. The target audience includes research interests in the different aspects of space system security. Contact your IEEE representative.



*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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