



# SPACE CYBERSECURITY WEEKLY WATCH

Week 34

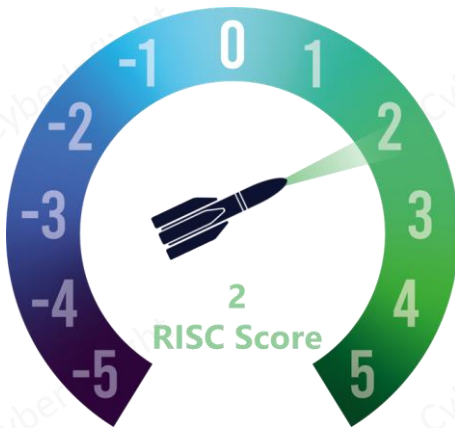
August 19 - 25, 2025

Timeframe: Weekly  
# of articles identified: 37  
Est. time to read: 85 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.

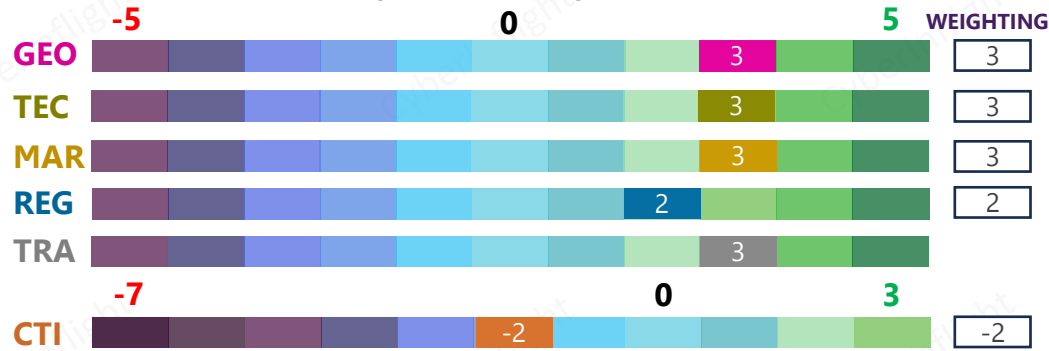
- **GEOPOLITICS**
- **TECHNOLOGY**
- **MARKET & COMPETITION**
- **REGULATION**
- **TRAINING & EDUCATION**
- **THREAT INTELLIGENCE**
- ★ **IMPORTANT NEWS**

## RISC Score Assessment

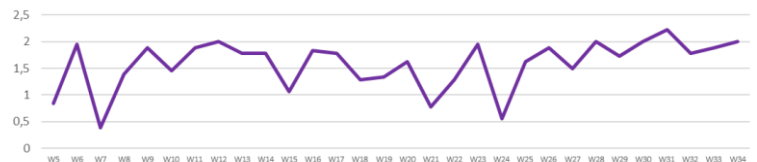


↑ The RISC score for this watch is 2, a slight increase from last week. This difference is due to several geopolitical, technological, and market initiatives.

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



## RISC Score evolution in 2025



This week, the UK Space Agency announced it will cease to exist as an independent entity to cut the cost of bureaucracy. It will be absorbed by the Department for Science, Innovation and Technology (DSIT) in April 2026. On the regulation front, the EU's NIS Cooperation Group called for input to shape Europe's quantum-resistant digital infrastructure roadmap, including developing a Quantum Technology Roadmap in space with the European Space Agency and contributing to the European Armament Technological Roadmap. On the technological front, the U.S. Space Force launched X-37B, carrying quantum and comms experiments. While many of the experiments it will conduct in the coming months are classified, the Space Force has identified space-based laser communications and quantum sensing as two focus areas. Regarding the market, Mercury Systems announced a new production agreement with AeroVironment to support the U.S. Space Force's Satellite Communication Augmentation Resource (SCAR) program valued at \$1.4bn. On the threat intelligence front, an article looks at the two major cuts of Elon Musk's Starlink, which have shown how vulnerable satellite internet systems can be. Cyberattacks on centralized routing systems and disruptions at ground gateways that link satellites to the global internet could all degrade or shut down service on a large scale. Lastly, a podcast discusses the Spacecraft Cybersecurity Act introduced this past summer. The regulation would require NASA contractors to submit a cybersecurity plan before receiving federal funding to build spacecraft, an effort driven by the wave of cyberattacks targeting the agency, allegedly from state-backed actors in China and Russia.



# GEOPOLITICS

## South Korea Science ministry holds anti-SPY jamming drill

South Korea's Science and Information Security Agency (ISA) held a joint anti-SPY jamming drill with the military and intelligence agencies to test its capabilities to detect and jam unauthorized satellite signals. The drill, which was held in the southern city of Busan, involved the use of a variety of anti-SPY technologies and procedures. [Ministry of Science and ICT](#)



## Space Force stands up third 'system delta' organization with plans to activate five more in 2025

In a bid to streamline operations and improve coordination, the Space Force has announced plans to activate five more 'system delta' organizations in 2025. These units will focus on specific mission areas, such as satellite operations, space situational awareness, and space domain awareness. [Space Force](#)



## South Korea U.S. launch talks with as North Korea claims satellite as 'hostile'

South Korea and the United States have announced plans to launch a satellite together, but North Korea has claimed the satellite as 'hostile'. The satellite, which is a joint effort between the two countries, is intended to provide space situational awareness and satellite operations. [South Korea](#)



## ★ UK independent Space Agency scrapped to cut costs

The UK Space Agency will cease to exist as an independent entity to cut the cost of bureaucracy. It will be absorbed by the Department for Science, Innovation and Technology (DSIT) in April 2026. The government says this will save money, cut duplication and ensure ministerial oversight. But space scientists said the move would lead to disruption in the short term and the UK losing ground to its international competitors over the long run. **#UKSA #Reconfiguration**



Source: [BBC](#)

## Gov. Blasting of NASA/ESA 25 launch in space, secure the future

The United States and the European Space Agency (ESA) have announced plans to launch a satellite together in 2025. The satellite, which is a joint effort between the two agencies, is intended to provide space situational awareness and satellite operations. [NASA/ESA](#)



# REGULATION

## ★ EU's NIS Cooperation Group calls for input to shape Europe's quantum-resistant digital infrastructure roadmap

The European Commission's NIS Cooperation Group has opened a public consultation to gather feedback on its recently published roadmap for building a quantum-safe European digital infrastructure. The effort includes developing a Quantum Technology Roadmap in Space with the European Space Agency and contributing to the European Armament Technological Roadmap. **#NIS #Quantum**



Source: [Industrial Cyber](#)

## Space reflects focus on ISM for deep space missions, private sector to handle applications

The International Space Station (ISS) is set to be replaced by a new space station in the 2030s. The new station will be a joint effort between the United States and the European Space Agency. The new station will be a joint effort between the two agencies. [Space](#)



## Up and The US Space Act will with innovation and boost U.S. space competition

The United States has announced plans to launch a satellite together in 2025. The satellite, which is a joint effort between the two agencies, is intended to provide space situational awareness and satellite operations. [Space](#)





# TECHNOLOGY

## ★ Space Force launches X-37B carrying quantum and comms experiments

The spacecraft flew from NASA's Kennedy Space Center in Florida on a SpaceX Falcon 9 rocket on August 21. While many of the experiments it will conduct in the coming months are classified, the Space Force has identified space-based laser communications and quantum sensing as two of its focus areas. These experiments come as part of a broader push across the US Space Force to uphold the safety and security of the space domain by enhancing the resilience and flexibility of U.S. orbital systems. **#X-37B #Quantum**

Source: [Defense News](#)



### Sweden launches 20th satellite with first multi-orbit constellation and upgrading fleet

Sweden has launched its 20th satellite through the Swedish Space Corporation (SSC) on August 21. The satellite is the first in a new constellation of satellites for the Swedish Space Administration (SSA) and will be used for a variety of applications, including satellite-based navigation, communication, and Earth observation. The satellite is also the first in a new constellation of satellites for the SSA and will be used for a variety of applications, including satellite-based navigation, communication, and Earth observation.

Source: [Defense News](#)



### Sweden launches satellite for 6G alternative

A new satellite-based 6G alternative project is being developed by the Swedish Space Administration (SSA). The project is aimed at providing a secure and reliable communication link for the Swedish Space Administration (SSA) and will be used for a variety of applications, including satellite-based navigation, communication, and Earth observation.

Source: [Defense News](#)



### Australian Defence Science and Technology Group selects Airbus optical sensor clock for 2025 launch

Australian Defence Science and Technology Group ( DSTO ) has selected Airbus' OptiClock 1000 as the optical clock sensor for the 2025 launch of the Australian Space Agency's ( ASA ) first satellite. The sensor will provide precise timing and synchronization for the satellite's communication and navigation systems.

Source: [Defense News](#)



### A system that enables 5G+ free navigation with 87% error reduction

Researchers at the University of Surrey have developed a system that enables 5G+ free navigation with an 87% error reduction. The system is based on a combination of 5G+ and satellite-based navigation systems and will be used for a variety of applications, including satellite-based navigation, communication, and Earth observation.

Source: [Defense News](#)



### Intelligence from China's 6G and satellite constellations are reshaping the space race

China's space ambitions are reshaping the global technological landscape, including satellite-based navigation, communication, and Earth observation. The development of 6G and satellite constellations is a key part of China's space strategy and will be used for a variety of applications, including satellite-based navigation, communication, and Earth observation.

Source: [Defense News](#)



# MARKET & COMPETITION

## UAE and Egypt leading launch the 2025-2030 joint venture in the Middle East

The United Arab Emirates (UAE) and Egypt are leading the launch of a joint venture in the Middle East. The venture is aimed at providing a secure and reliable communication link for the region and will be used for a variety of applications, including satellite-based navigation, communication, and Earth observation.

Source: [Defense News](#)





## MARKET & COMPETITION



### Mercury signs new hardware production agreement with AV to support US Space Force's SCAR program

Mercury Systems, Inc., a technology company that delivers mission-critical processing to the edge, announced a new production agreement with AeroVironment, Inc. to support the U.S. Space Force's Satellite Communication Augmentation Resource (SCAR) program valued at \$1.4bn. **#SCAR #Contract**

Source: [Benzinga](#)



## THREAT INTELLIGENCE



### Starlink power cuts reveal vulnerabilities of space-based internet systems

Two major power cuts on Elon Musk's Starlink have shown how vulnerable satellite internet systems can be, especially when compared to the more resilient fibre and mobile networks most people rely on. Cyberattacks on centralized routing systems, disruptions at ground gateways that link satellites to the global internet, or even exploits in user terminals could all degrade or shut down service on a large scale. **#Vulnerability #Starlink**

Source: [The National](#)









# TRAINING & EDUCATION

Space flight based simulation of a weighted integrated skills module for integrating existing...  
#Podcast

The aim of this course is to enhance the accuracy and speed of problem-solving...  
#Podcast

Webinar Page

Source: [CyberInflight](#)

A multi-agent deep reinforcement learning and planning...  
#Podcast

The course provides a clear description...  
#Podcast

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CyberInflight's...  
#Podcast

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Training strategies for...  
#Podcast

The...  
#Podcast

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Webinar Page

Source: [CyberInflight](#)

## ★ Legislation now calling for spacecraft manufacturers to create cybersecurity plan when working with NASA

The Spacecraft Cybersecurity Act was recently introduced in the House this past summer. The legislation would require NASA to secure a cybersecurity protection plan from manufacturers applying to use federal dollars to build NASA spacecrafts. The introduction comes after thousands of cyberattacks from malicious actors, including China and Russia, have been launched against NASA. So what can and needs to be done to make sure cyber protections are considered during the manufacturing stage? **#SpacecraftCybersecurityAct #Podcast**

Source: [Federal News Network](#)

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#Podcast

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#Podcast

Source: [CyberInflight](#)

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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