

# SPACE CYBERSECURITY WEEKLY WATCH

Week 36

September 2 - 8, 2025

Timeframe: Weekly  
# of articles identified: 45  
Est. time to read: 90 minutes

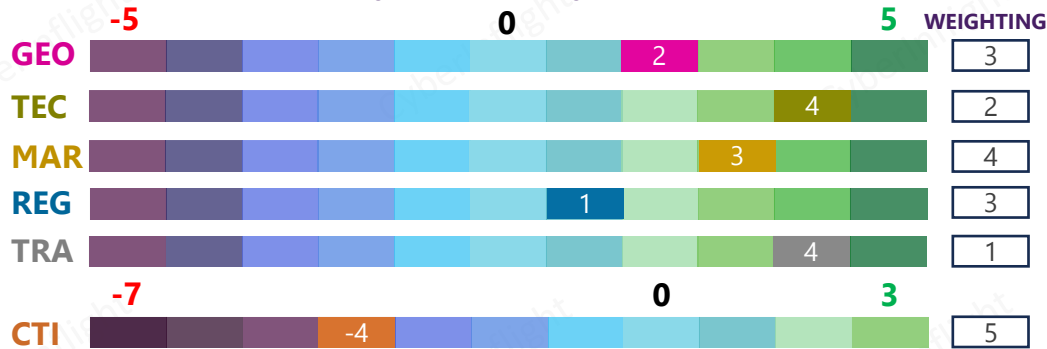
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

## RISC Score Assessment

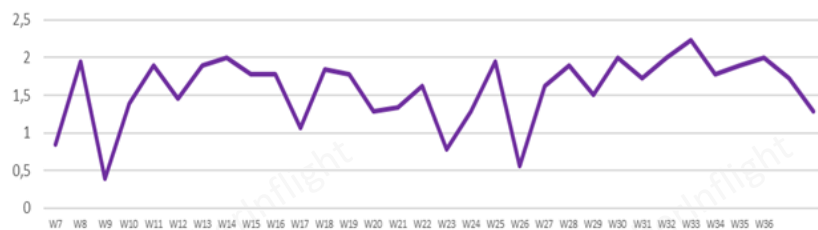


## Overview & Resilience Index for Space Cybersecurity (RISC)



The RISC score for this watch has decreased to 1.28, down from last week. This score is comparable to those recorded before the summer, which saw an increase. This change is mainly due to various reactions surrounding the incident involving European Commission President Ursula von der Leyen, which received significant media coverage.

## RISC Score evolution in 2025



This week, the EU Defense Commissioner announced plans to deploy additional satellites in low Earth orbit (LEO) to enhance resilience against interference. The announcement directly addresses an incident that targeted European Commission President Ursula von der Leyen. The technological section proposes a focus on an on-orbit IDS, a cybersecurity tool built directly into a satellite to monitor data, commands, and behavior in real time. It also highlights that AI-Powered on-orbit intrusion detection is becoming a new line of defense. In market developments, Rheinmetall Nordic and Andøya Space have signed a Letter of Intent to create a new partnership that will expand Europe's ability to place satellites into orbit on demand, strengthening security and sovereignty. Regarding threat intelligence, a new updated Space Threat Fact Sheet by the US Space Force reminds that space is no longer a safe haven for critical assets. This fact sheet lists China and Russia and the intentional threats they pose, and primarily focuses on threats to satellites. Additionally, Madrid is set to host Europe's Space Cybersecurity Hackathon on October 17-18. This event will bring together the brightest minds in space exploration, cybersecurity, and telecom to tackle one of today's most urgent challenges: protecting Europe's satellites and communications networks from cyberattacks.



# GEOPOLITICS



## Managers building down an alternative to GPS that won't be spoofed

The US, Japan and Germany are working on a new alternative to GPS that won't be spoofed. The project involves the US, Japan and Germany working together to develop a new satellite navigation system that won't be spoofed. The project is being led by the US and Japan, with Germany providing expertise in satellite navigation. The project is being funded by the US and Japan, with Germany providing expertise in satellite navigation.

Source: [The Channel Company](#)



## EU deploys LEO satellites to counter GPS jamming and Russia threats

EU Defense Commissioner Andrius Kubilius announced plans to deploy additional satellites in low Earth orbit (LEO) to enhance resilience against interferences. The announcement directly responds to an incident that targeted European Commission President Ursula von der Leyen, who was en route to Bulgaria. Citing unnamed officials, the Financial Times reported that the pilots had to resort to paper maps before making a safe landing at Plovdiv Airport. **#LEO #Resilience**

Sources: [The Channel Company](#), [WPN](#), [Reuters](#)



## What did China's military leaders reveal about PLA space cyber information war plans?

China's military leaders revealed that the PLA has a plan to use space cyber information war to support its military operations. The plan involves using space cyber information war to support its military operations. The plan involves using space cyber information war to support its military operations. The plan involves using space cyber information war to support its military operations.

Source: [WPN](#)



## Dispersing ambiguity: China's militarization of GPS and the breakdown of space deterrence

China's militarization of GPS is a key element of its strategy to support its military operations. The plan involves using space cyber information war to support its military operations. The plan involves using space cyber information war to support its military operations. The plan involves using space cyber information war to support its military operations.

Source: [The Channel Company](#)



## Israel launches high-tech spy satellite, warns enemies: 'we are watching you'

Israel has launched a high-tech spy satellite, which will be used to monitor its enemies. The satellite is being used to monitor its enemies. The satellite is being used to monitor its enemies. The satellite is being used to monitor its enemies.

Source: [The Israel Times](#)



## EU 2025 Media initiative that focuses on defense, space and cyber security

The European Commission and the European Council, in cooperation with the European Space Agency (ESA), will fund the first ever media initiative that focuses on defense, space and cyber security. The initiative will be used to monitor its enemies. The initiative will be used to monitor its enemies. The initiative will be used to monitor its enemies.

Source: [EU](#)



## Defense leaders call Trump's Space Command HQ decision and warn delays to meet risk severity

The US Defense leaders have called for a decision on the location of the Space Command HQ. The decision is being made by the US Defense leaders. The decision is being made by the US Defense leaders. The decision is being made by the US Defense leaders.

Source: [WPN](#)



# REGULATION



## The EU Space Act: How will new laws affect space businesses?

The new EU Space Act aims to create a new framework for space safety, sustainability and resilience, and promote investment in the sector. The result will be a whole new regime for space in Europe. Against this background, Fieldfisher's space law team highlights some of the most important implications for space businesses in the EU, and non-EU businesses trading with the EU in the coming years. **#EUSpaceAct #Opinion**

Source: [Via Satellite](#)





# TECHNOLOGY

## Space-based communications satellite services for high-speed broadband

The Space and Communications Authority (SCA) has announced that it will be launching a new satellite-based broadband service in 2026. This service will provide high-speed broadband to users across the globe, including in remote and rural areas. The service will be based on a constellation of satellites in low Earth orbit (LEO) and will be managed by a dedicated operator. The service will be available to users in 190 countries and will provide speeds of up to 100 Gbps. The service will be available to users in 190 countries and will provide speeds of up to 100 Gbps.



Source: [SCA](#)

## How do space strategy goals to increase adoption of commercial satellite services

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Source: [USA](#)

## Orbiting and Space Administration (ISA) satellite signals to strengthen GPS navigation resilience

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Source: [USA](#)

## From testing to operational status: GPSA service now available to users

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Source: [USA](#)

## ISA Administration has signed deal between satellite and ground

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Source: [USA](#)

## ISA will not compare GPSA to the new service

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Source: [USA](#)

## In Luxembourg, a to Belgium, an other satellite data is to operations (that: How Luxembourg is Belgium, a question raised about the operation)

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Source: [USA](#)

## ★ AI-Powered on-orbit intrusion detection becomes a new line of defense

What if satellites could see, in real time, when something looked wrong and respond before the mission faltered? That's the promise of on-orbit intrusion detection systems (IDS), potentially enhanced by the advent of artificial intelligence. An on-orbit IDS is a cybersecurity tool built directly into a satellite to monitor data, commands and behavior in real time.



#IDS #AI

Source: [Kratos Space](#)





# TECHNOLOGY

## Space-based navigation services for high-precision and precision battle readiness

The Department of Defense (DoD) is working to enhance its precision navigation capabilities by leveraging space-based navigation services. This effort is part of a broader strategy to improve the accuracy and reliability of navigation systems used by the military. The DoD is currently testing and evaluating various navigation services, including GPS, Galileo, and BeiDou. The goal is to develop a robust, multi-constellation navigation system that can provide high-precision navigation services in all environments. This system will be used to support a wide range of military operations, from precision strike to intelligence gathering.

Source: [Orbital Today](#)



## Advanced Navigation Services support navigation system with manufacturing base

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## Space-based navigation services to enhance U.S. leadership in space

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# MARKET & COMPETITION

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Source: [Orbital Today](#)



## ★ Rheinmetall joins Andøya in bold push for European space security

Rheinmetall Nordic and Andøya Space have signed a Letter of Intent to create a new partnership that will expand Europe's ability to place satellites into orbit on demand. The collaboration will focus on building Tactical Responsive Launch (TacRL) capacity from European soil, a service designed to send satellites aloft at short notice. The two organizations aim to plug what they call a critical gap in Europe's orbital access. #TacRL #Partnership

Source: [Orbital Today](#)



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Source: [Orbital Today](#)



## MARKET & COMPETITION

### European Space Agency (ESA) Safety & Security (S&S) program

ESA is dedicated to ensuring the safety and security of its space systems and their related assets from potential threats to their availability, confidentiality, integrity, and availability and security. The program includes the development of safety and security standards, guidelines, and procedures for the development and operation of space systems.

Source: [ESA](#)



## THREAT INTELLIGENCE

### Primary satellite provider, China allegedly breached back-end system data sets

China's satellite provider, China Satellite Navigation Office (CSNO), is reported to have breached back-end system data sets. The breach is believed to have occurred through a vulnerability in the system's back-end database. The breach is believed to have occurred through a vulnerability in the system's back-end database.

Source: [CSNO](#)



### Space data: What is it and why is cyberintelligence so vital to it?

Space data is a fundamental and increasingly vital source of information for national security, intelligence, and other critical operations. It is used to monitor and track objects in space, provide navigation and timing services, and support a wide range of other applications. The data is collected through ground-based receivers and satellites.

Source: [Space Force](#)



### New space threat fact sheet – US Space Force

This new updated Space Threat Fact Sheet reminds that space is no longer a safe haven for critical assets. It lists China and Russia and the intentional threats they pose. It mostly focuses on threats to satellites. While China's ambitious space program is a source of national pride and key to the Chinese Communist Party (CCP) plans for a powerful and prosperous nation, Russia has one of the world's largest space programs and remains a capable space actor. **#RNT #Jamming**

Source: [Space Force Resilient Navigation and Timing Foundation](#)



### Sweden accused Russia of GPS jamming over Baltic Sea

Sweden has accused Russia of GPS jamming over the Baltic Sea. The Swedish Transport Agency (STA) reported that it received reports of GPS jamming over the Baltic Sea. The jamming is believed to be targeting GPS signals used for navigation and timing services.

Source: [STA](#)



### GPS jamming threat to road tolls in Sweden

GPS jamming is a threat to road tolls in Sweden. The Swedish Transport Agency (STA) reported that it received reports of GPS jamming over the Baltic Sea. The jamming is believed to be targeting GPS signals used for navigation and timing services.

Source: [STA](#)



### Using geopolitical risks and the GPS vulnerability crisis implications for defense and tech sectors

Using geopolitical risks and the GPS vulnerability crisis implications for defense and tech sectors. The report discusses the implications of GPS jamming for defense and tech sectors. It highlights the need for improved GPS security and the potential for GPS jamming to be used as a weapon.

Source: [STA](#)

### India's satellite communications infrastructure was controlled and damaged in a cyberattack carried out by the 'CyberGhostForce'

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Source: [CyberGhostForce](#)



# TRAINING & EDUCATION

Space Cybersecurity Watch by CyberInflight: This week's highlights include the Space Cybersecurity and Resilience Summit, the European Space Agency's (ESA) Space Cybersecurity Strategy, and the European Space Agency's (ESA) Space Cybersecurity Strategy. The event features a combination of presentations, workshops, and networking opportunities. The event is a must-attend for anyone interested in space cybersecurity.



ESA Cybersecurity Strategy: ESA's new strategy focuses on the security of space systems and the protection of space assets. The strategy is a key document for the ESA and its member states. The strategy is a key document for the ESA and its member states. The strategy is a key document for the ESA and its member states.



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## Madrid is set to host Europe's Space Cybersecurity Hackaton on October 17-18

This event will bring together the brightest minds in space exploration, cybersecurity, and telecom to tackle one of today's most urgent challenges: protecting Europe's satellites and communications networks from cyberattacks.

#Spacetech #Hackaton

Source: [The Sign Media](#)



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# TRAINING & EDUCATION

**Build and Test exercises for satellite and jamming in low orbiting air ground communications**  
The course addresses the challenges of low-orbit satellite communications and jamming in the context of ground-to-satellite and satellite-to-ground communications. It covers the technical aspects of satellite communications, the operational aspects of satellite communications, and the operational aspects of satellite communications. It also covers the operational aspects of satellite communications and the operational aspects of satellite communications.



Watch [video](#)

**Integrating satellite operations with AI signal features for satellite communications**  
This course addresses the challenges of satellite communications and the operational aspects of satellite communications. It covers the technical aspects of satellite communications, the operational aspects of satellite communications, and the operational aspects of satellite communications. It also covers the operational aspects of satellite communications and the operational aspects of satellite communications.



Watch [video](#)

**Advances in satellite to ground connectivity technology**  
This course addresses the challenges of satellite to ground connectivity technology and the operational aspects of satellite to ground connectivity technology. It covers the technical aspects of satellite to ground connectivity technology, the operational aspects of satellite to ground connectivity technology, and the operational aspects of satellite to ground connectivity technology. It also covers the operational aspects of satellite to ground connectivity technology and the operational aspects of satellite to ground connectivity technology.



Watch [video](#)

**Building up satellite to ground connectivity technology**  
This course addresses the challenges of building up satellite to ground connectivity technology and the operational aspects of building up satellite to ground connectivity technology. It covers the technical aspects of building up satellite to ground connectivity technology, the operational aspects of building up satellite to ground connectivity technology, and the operational aspects of building up satellite to ground connectivity technology. It also covers the operational aspects of building up satellite to ground connectivity technology and the operational aspects of building up satellite to ground connectivity technology.



Watch [video](#)

*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)*

