



# SPACE CYBERSECURITY WEEKLY WATCH

Week 42

October 14 - 20, 2025

Timeframe: Weekly  
# of articles identified: 43  
Est. time to read: 85 minutes

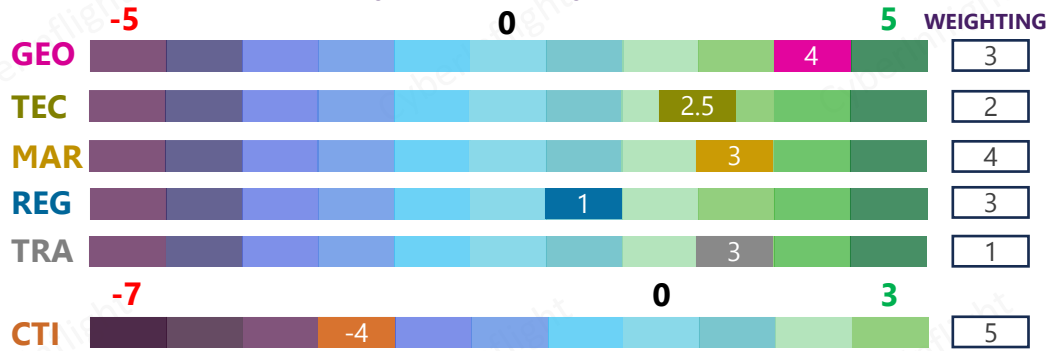
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

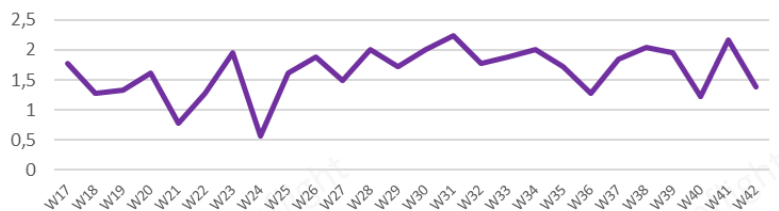
## RISC Score Assessment



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



## RISC Score evolution in 2025



The RISC score for this watch is 1.39, indicating a significant decrease from last week. This change is attributed to a drop in threat intelligence compared to the strong score from the previous week, while the geopolitical landscape remains favorable.

This week, CyberInflight announced that its CEO, Florent Rizzo, will join a panel at CYSAT Toulouse on November 27 to discuss "How to integrate scalable cybersecurity into both traditional and New Space programs?". In parallel, the company also released the September edition of its Cyberdefense Monthly Watch, now available in French. On the geopolitical scene, the European Commission unveiled its roadmap to achieve "full military readiness" by 2030, with flagship initiatives such as the European Space Shield, designed to protect space assets and services through a mix of national and commercial satellites. From a regulatory perspective, an unusual incident has drawn attention: amateur satellite tracker Scott Tilley detected downlink signals from SpaceX's classified Starshield satellites in a frequency band reserved for uplinks, a finding that could imply a potential breach of international spectrum regulations. Turning to technological developments, Viasat Inc. is preparing to showcase its latest innovations in battlefield connectivity at the 2025 Association of the United States Army (AUSA) conference, powering Army's next-gen command and control vision. In market news, JP Morgan announced a massive \$1.5tn investment strategy focused on strengthening U.S. national security, including a 10-year plan worth up to \$10bn dedicated to "critical" industries, spanning defense and aerospace, frontier technologies such as AI and quantum computing. Meanwhile, in the threat intelligence landscape, China's Ministry of State Security accused the U.S. NSA of conducting a 2022 cyberattack on the National Time Service Center, exploiting mobile messaging vulnerabilities to steal sensitive data and disrupt critical timing systems for telecom, finance, and defense. On the training & education front, a new IRSEM paper sheds light on the intensifying competition for access to the electromagnetic spectrum and orbital positions, now viewed as strategic commodities amid the proliferation of LEO satellite constellations.



# CYBERINFLIGHT'S NEWS



## Florent Rizzo will speak at CYSAT Toulouse

Florent Rizzo is scheduled to join a panel at CYSAT Toulouse to discuss "How to integrate scalable cybersecurity into both traditional and New Space programs?" He will take part in a session organized in partnership with the Cybersecurity Business Convention (CBC) on Wednesday, November 27, at MEETT Toulouse, addressing strategic challenges, resilience, and cyber-threats that specifically affect orbital systems and space infrastructure. **#CBC #Cysat**

**Source:** [CyberInflight](#)



## The CyberInflight's Cyberdefense Watch is available in French

CyberInflight has released the French version of its Monthly Cyber Defense Watch, a new initiative designed to deliver actionable insights across the five domains of conflict — space, air, land, sea, and cyberspace.

**#Cyberdefense #MonthlyWatch**

**Source:** [CyberInflight](#)



## GEOPOLITICS

### Space Systems Command launches Satellite Communications System Suite

The Space Systems Command (SSC) has announced the launch of the Satellite Communications System Suite (SCS) to provide secure and resilient communications for the U.S. military. The suite will support all U.S. military communications and intelligence operations, and bring together legacy and modern systems and capabilities. **#SSC #Space**

**Source:** [SSC](#)



### US defense leaders debate nuclear and sovereignty in military reform

As the Pentagon's military reform process continues, defense leaders are debating the role of nuclear weapons in the future of the military. The debate centers on the need to modernize the nuclear force and the impact of emerging technologies on nuclear deterrence. **#Pentagon #Nuclear**

**Source:** [Pentagon](#)



### Russia is strengthening the security of its satellite infrastructure

Russia is strengthening the security of its satellite infrastructure by developing advanced encryption and authentication technologies. The move is part of a broader effort to protect its space assets from cyber threats and ensure the integrity of its communications. **#Russia #Space**

**Source:** [Russia](#)



### European defense officials: Multi-domain warfare is already here and impacting space

European defense officials are warning that multi-domain warfare is already here and impacting space. They argue that the integration of space, air, land, and sea operations is creating new vulnerabilities and opportunities for adversaries. **#Europe #Space**

**Source:** [Europe](#)

### U.S. Army budget prioritizes counter-space for first time

The U.S. Army's budget for fiscal year 2026 prioritizes counter-space operations for the first time. This reflects the growing importance of space in modern warfare and the need to protect the Army's own space assets. **#Army #Space**

**Source:** [Army](#)



## From 'drone-dome' to 'space-dome': Brussels accelerates defense agenda

After months of warnings about "Europe's vulnerability," the European Commission has presented its roadmap to achieve "full military readiness" by 2030, with ambitious projects such as the European Space Shield, that will be used to protect "space assets and services" through national and commercial satellites. Commission President Ursula von der Leyen has described the initiative as a "necessary response" to an environment of "growing threats." **#EU #Resilience**

**Sources:** [The European Conservative](#), [European Commission](#)



### India to triple satellite fleet in three years, strengthen space security, disaster response

India is planning to triple its satellite fleet in three years to strengthen its space security and disaster response capabilities. The move is part of a broader effort to establish India as a major space power. **#India #Space**

**Source:** [India](#)





# REGULATION

## Tracking our space future: Why U.S. leadership at NATO 27 and the UN is non-negotiable

The United States must continue to lead the world in the development of a comprehensive and enforceable set of rules for the peaceful use of outer space. This includes the development of a set of rules that are based on the principles of international law and the Outer Space Treaty of 1967. The United States must also continue to lead the world in the development of a set of rules that are based on the principles of international law and the Outer Space Treaty of 1967. The United States must also continue to lead the world in the development of a set of rules that are based on the principles of international law and the Outer Space Treaty of 1967.

Source: [WPN](#)



## ★ SpaceX Starshield satellites may violate frequency rules, tracker finds

Amateur satellite tracker Scott Tilley detected unusual downlink signals from SpaceX's classified Starshield satellites in a frequency band reserved for uplinks, potentially violating international spectrum rules. This militarized Starlink variant serves U.S. defense needs, raising concerns about interference and regulatory oversight in space-based operations. **#SpaceX #FrequencyRules**

Sources: [WPN](#), [Techstory](#)



## The legal landscape for resolving satellite disputes

The legal landscape for resolving satellite disputes is complex and evolving. It involves a mix of international law, national law, and private law. The Outer Space Treaty of 1967 is the primary international law governing space activities. National laws, such as the Commercial Space Launch Act of 2010, govern the launch and operation of commercial satellites. Private law, such as contracts between satellite operators and users, governs the use of satellite services.

Source: [WPN](#)

# TECHNOLOGY

## Advanced satellite-based software to support resilient navigation in GPS denied environments

Advanced satellite-based software is being developed to support resilient navigation in GPS denied environments. This software will use a combination of satellite-based and ground-based navigation systems to provide accurate location information even when GPS signals are unavailable. The software will also be able to detect and mitigate spoofing and jamming attacks on GPS signals.

Source: [WPN](#)



## ★ Viasat powers Army's next-gen command and control vision at AUSA 2025

Viasat Inc. is set to showcase its latest advancements in battlefield connectivity at the 2025 Association of the United States Army (AUSA). As warfare evolves, the need for mobile, resilient, and secure communications has become critical. The U.S. Army's Next-Generation Command and Control (NGC2) initiative aims to transform information sharing across domains through advanced analytics, open architecture, and resilient networks. **#Viasat #NGC2**

Source: [Zacks](#)



## Switzerland's satellite-based system to test joint operations communication with space during Special Source in November 19

Switzerland's satellite-based system is being used to test joint operations communication with space during Special Source in November 19. The system will use a combination of satellite-based and ground-based communication systems to provide secure and resilient communication links. The system will also be able to detect and mitigate spoofing and jamming attacks on satellite-based communication links.

Source: [WPN](#)



## US satellite could provide an affordable GPS alternative

A US satellite could provide an affordable GPS alternative. This satellite would use a combination of satellite-based and ground-based navigation systems to provide accurate location information even when GPS signals are unavailable. The satellite would also be able to detect and mitigate spoofing and jamming attacks on GPS signals.

Source: [WPN](#)



## USAF to explore options with the space sector for

The US Air Force (USAF) is exploring options with the space sector for... This includes the development of a set of rules that are based on the principles of international law and the Outer Space Treaty of 1967. The USAF must also continue to lead the world in the development of a set of rules that are based on the principles of international law and the Outer Space Treaty of 1967.

Source: [WPN](#)





## TECHNOLOGY

### France Selects Systems to Enhance Maritime Search and Rescue Capabilities for 2025

France's National System for Search and Rescue (SAR) is being upgraded to enhance maritime search and rescue capabilities. The system is designed to support SAR operations and other emergency tasks, including search and rescue, and being SAR.

[Source: Le Monde](#)



### US Announces New Edge

The Department of Defense has announced a new edge computing architecture that will enable more efficient and secure operations. This edge computing architecture is designed to support a wide range of operations, including search and rescue, and being SAR.

[Source: Defense News](#)



### Research to Assess Defense, Aerospace Tech at MIT

MIT researchers will use a new tool to assess the potential for cyber attacks on space systems. This tool is designed to support a wide range of operations, including search and rescue, and being SAR.

[Source: MIT News](#)



## MARKET & COMPETITION

### ★ JPMorgan to invest \$1.5tn in U.S. national security

The nation's largest bank announced a 10-year plan to invest up to \$10bn in companies it calls "critical" to economic security and resiliency. The money will target four key areas: defense and aerospace, frontier tech like AI and quantum computing, energy technology including advanced batteries, and supply-chain and manufacturing.

**#Investment #NationalSecurity**

**Source:** [The Street](#)



### Defense Systems and Global Space Partners to Enhance US Space Defense Capability

The US Space Force, Defense Systems and Global Space have announced agreements to enhance defense capabilities. This program will support a wide range of operations, including search and rescue, and being SAR.

[Source: Le Monde](#)



### US and UK Space Agency Launch Funding with \$2.5bn to Enhance US SAR Development and Capability

US and UK Space Agency launch funding with \$2.5bn to enhance US SAR development and capability. This program will support a wide range of operations, including search and rescue, and being SAR.

[Source: Le Monde](#)



### Research to Assess Defense, Aerospace Tech at MIT

MIT researchers will use a new tool to assess the potential for cyber attacks on space systems. This tool is designed to support a wide range of operations, including search and rescue, and being SAR.

[Source: MIT News](#)



### Industry Signs New SAR Contracts to Enhance Search and Rescue Capabilities

Industry signs new SAR contracts to enhance search and rescue capabilities. This program will support a wide range of operations, including search and rescue, and being SAR.

[Source: Le Monde](#)





# MARKET & COMPETITION

**Space agencies launch a program with ESA to boost LEO dependency and expand its satellite IoT to defense**

The ESA agency has the space with the European Space Agency (ESA) and the Commission for the development of a satellite program. The satellite program will consist of a set of satellite systems with IoT capabilities to be used for defense, intelligence, and commercial purposes. [ESA Website](#)



**European satellite is designed to provide 24/7 use of program 2025-2030**

The European satellite program will consist of a set of satellite systems with IoT capabilities to be used for defense, intelligence, and commercial purposes. [ESA Website](#)



# THREAT INTELLIGENCE

**Study 2025 with learning agents into Revolutionary war**

A study will be conducted in the next few months to assess the impact of AI on the battlefield. The study will focus on the use of AI in intelligence gathering, target identification, and decision-making. [ESA Website](#)



**Private messages to military data facilities are being used to study threats**

A study will be conducted in the next few months to assess the impact of AI on the battlefield. The study will focus on the use of AI in intelligence gathering, target identification, and decision-making. [ESA Website](#)



**The next cyber battlefields to watch - and it's already under attack**

The next cyber battlefields to watch are the use of AI in intelligence gathering, target identification, and decision-making. [ESA Website](#)



**Cyber facilities in the age of commercial space and AI IoT world**

The next cyber battlefields to watch are the use of AI in intelligence gathering, target identification, and decision-making. [ESA Website](#)



## ★ China accuses U.S. NSA of 2022 cyberattack on key timing center

China's Ministry of State Security accuses the U.S. NSA of a 2022 cyberattack on the National Time Service Center, exploiting mobile messaging vulnerabilities to steal data and compromise critical timing systems for telecom, finance, and defense. Amid escalating U.S.-China tensions, this highlights mutual cyber espionage risks and calls for enhanced global tech security. **#NSA #Espionage**



**Source:** [WPN](#)

**How satellite data and data of 2025-2030 satellite launch**

The next cyber battlefields to watch are the use of AI in intelligence gathering, target identification, and decision-making. [ESA Website](#)





# TRAINING & EDUCATION

**IRSEM: 'Séminaire de l'Institut de l'Économie Industrielle de l'Armée de l'Air' (Trad.: 'Seminars of the Institute of Industrial Economics of the Air Force')**  
The 4th edition of the seminar 'Séminaire de l'Institut de l'Économie Industrielle de l'Armée de l'Air' (SIIA) is held, bringing together the staff of the French Air Force's Industry Directorate. Since 2012, the event has become a major forum for discussing industrial, economic, and strategic challenges and solutions in a multidisciplinary and multidimensional context.

## Workshop: IRSEM

Source: [IRSEM](#)



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Source: [IRSEM](#)



## La guerre des fréquences vers une marchandisation de la ressource spectre/orbite ? (Trad.: The frequency war: towards the commodification of spectrum/orbit resources?)

This study explores the growing competition for access to the electromagnetic spectrum and orbital positions, strategic resources that are limited and have become commodities due to the proliferation of low-Earth orbit satellite constellation projects. #IRSEM #Paper

Source: [IRSEM](#)



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Source: [IRSEM](#)





# TRAINING & EDUCATION

The world is becoming more and more digital. This strategic position is making it  
increasingly important to have a team of well-trained people who can identify and respond to a wide  
range of cyber threats. The CyberInflight team is proud to offer a range of training and  
education courses to help you build a team of experts who can protect your organization's  
assets. [Learn more](#)



*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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