



# SPACE CYBERSECURITY WEEKLY WATCH

Week 10

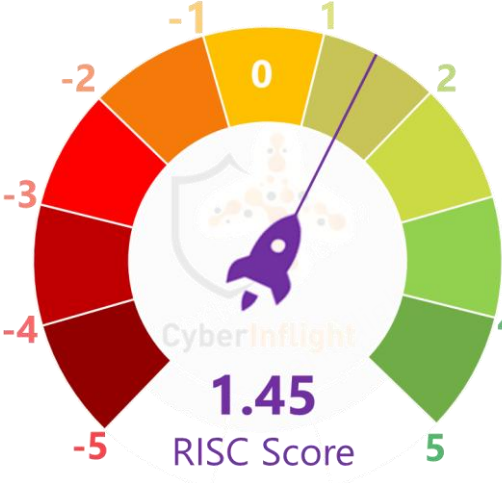
March 4 - 10, 2025

Timeframe: Weekly  
# of articles identified: 28  
Est. time to read: 40 minutes

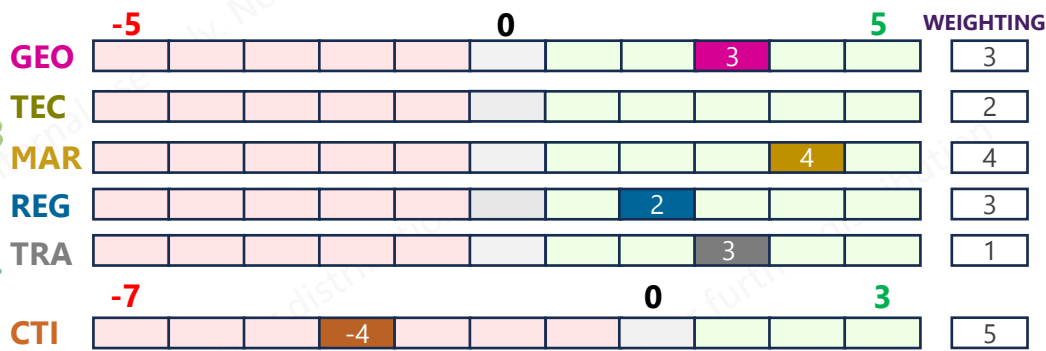
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

## RISC Score Assessment

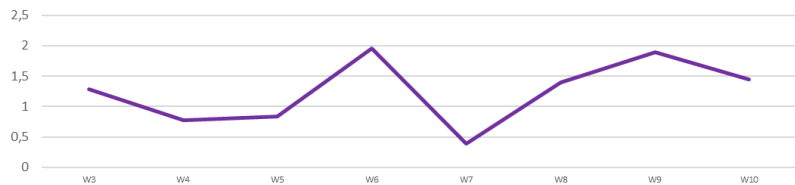


## Overview & Resilience Index for Space Cybersecurity (RISC)



↓ The RISC score for this watch is 1.45, a little decrease from last week. This score is due to a higher number of threats, some regulation news and few technology advances.

## RISC Score evolution in 2025



This week's geopolitics include the EU strengthening cybersecurity with the Warsaw Call, setting priorities to protect critical infrastructure, and improving cooperation. On the regulation front, the consultation period on the subordinate legislation to the Australian Cyber Security Act 2024 and Security of Critical Infrastructure Act 2018 ceased submissions on February 14, 2025. Consultations have been ongoing since December 2023, and the Cyber Security Act 2024 was passed in the Senate on 25 November last year. Technologically, Starlink's low-Earth-orbit satellite (LEO) technology is a game changer for a country like Australia, where internet service is vital. However, the risks associated with the satellites could pose key threats and challenges to local businesses and the government. On the market side, French satellite operator Eutelsat Communications is in advanced talks with the European Union to possibly replace tech billionaire Elon Musk's Starlink in Ukraine, Bloomberg reported on March 6. On the threat intel side, the latest security scan of fprime v3.4.3 has uncovered a variety of critical vulnerabilities, including Remote Code Execution (RCE), Denial of Service (DoS), and Cross-Site Scripting (XSS), that can be exploited to attack mission-critical systems. Lastly, a publication by IEGA and supported by DGRIS - the French Ministry of Defence's Directorate General for International Relations and Strategy, explores how the EU seeks to establish itself as a standard-setting power in this critical area.



# CYBERINFLIGHT NEWS

## ★ CyberInflight space cybersecurity monthly watch – February 2025

This watch includes an analysis of our February observations, an article about the cybersecurity of GNSS ground and end-user segments, and a monthly RISC Score. **#Monthly #Watch**

**Link:** [https://www.linkedin.com/posts/cyberinflight\\_cyberinflight-space-cyber-monthly-watch-activity-7304765583277912064-cYTT?rcm=ACoAADea9\\_AB2PdJmIjyibz-Zx3TxKHosCPhMgo](https://www.linkedin.com/posts/cyberinflight_cyberinflight-space-cyber-monthly-watch-activity-7304765583277912064-cYTT?rcm=ACoAADea9_AB2PdJmIjyibz-Zx3TxKHosCPhMgo)



## ★ New intern in CyberInflight team

The team is growing! We're thrilled to welcome Delphine, our new intern, to CyberInflight's team. **#Team #Intern**

**Link:** <https://www.linkedin.com/feed/update/urn:li:activity:7303776493564776450>



# GEOPOLITICS

## US to seek an GPS alternative

The US is looking for a GPS alternative to protect its critical infrastructure. The Department of Defense is considering a new satellite system that would be more secure and resistant to jamming and spoofing. **#GPS #US #Security**

**Link:** <https://www.defense.gov/Newsroom/News/Article/Article/3444444>

## ★ Cybersicurezza dello Spazio: ecco i pilastri della strategia Ue (Trad: Space cybersecurity: these are the pillars of the EU strategy)

The EU strengthens cybersecurity with the Warsaw Call, setting priorities to protect critical infrastructure and improve cooperation. **#EUStrategy #WarsawCall**

**Link:** <https://www.agendadigitale.eu/mercati-digitali/cybersicurezza-e-spazio-i-pilastri-della-nuova-strategia-geopolitica-ue/>



## Spain 2025 - Increasing global military spending in Europe by 20 years (Post April 2025) Global military spend expected to be half in March 2025

Spain is increasing its military spending significantly. The global military spend is expected to be half in March 2025. **#Spain #Military #Europe**

**Link:** <https://www.defense.gov/Newsroom/News/Article/Article/3444444>



# REGULATION

## ★ Cybersecurity and space: is Australia keeping up with international standards?

A few years since reforms were made to the Security of Critical Infrastructure Act 2018 (Cth) (SOCA Act) in 2021-2022, and further reforms from November 2024, the "space technology sector" remains a key economic opportunity through commercial provision of services, but it also raises security risks owing to a lack of scrupulous cybersecurity measures.

**#Standards #CriticalInfra**

**Link:** <https://lsj.com.au/articles/cybersecurity-and-space-is-australia-keeping-up-with-international-standards/>



## US will require GPS providers

The US will require GPS providers to provide more secure services. **#US #GPS #Security**

**Link:** <https://www.defense.gov/Newsroom/News/Article/Article/3444444>



## EU will 2025 report a comprehensive look at cybersecurity maturity and reliability of GPS

The EU will report on the cybersecurity maturity and reliability of GPS. **#EU #GPS #Security**

**Link:** <https://www.defense.gov/Newsroom/News/Article/Article/3444444>



# TECHNOLOGY

## ★ Starlink satellites posing cybersecurity and regulatory concerns

Starlink's low Earth orbit satellite (LEO) technology is a game changer for a country like Australia where internet service is vital. However, the risks associated with the satellites could pose key threats and challenges to local businesses and the government. **#Starlink #LEO**

**Link:** <https://www.arnnet.com.au/article/3836846/starlink-satellites-posing-cyber-security-and-regulatory-concerns.html>





## TECHNOLOGY

### 5G Networks Increase Global Number of IoT IoTs

5G networks are expected to increase the number of IoT devices in the global market of the IoT market in 2025, as well as driving overall spending on IoT devices and services. The global IoT market is expected to reach \$1.5 trillion by 2025, with 5G networks playing a key role in driving this growth.

**Link:** [https://www.5gworldforum.com/news/5g-networks-increase-global-number-of-iiot-iiots-2025-03-04](#)



## MARKET & COMPETITION

### Space Force unveils incremental approach to building new satellite warning ground segment

Space Force unveiled its incremental approach to building a new satellite warning ground segment, which will be used to detect and track satellites in orbit. The new segment will be built in phases, with the first phase expected to be completed by 2027. The new segment will be used to detect and track satellites in orbit, and will be used to provide early warning of potential threats to the US space force.

**Link:** [https://www.spaceforce.mil/News-Events/News-Items/2025/03/04/space-force-unveils-incremental-approach-to-building-new-satellite-warning-ground-segment](#)



### 5G successfully captures 50% of 4G LTE in Q1

5G and 4G LTE networks have captured 50% of the total mobile network capacity in Q1 2025, according to a report from the International Telecommunications Union (ITU). The report shows that 5G networks have captured 50% of the total mobile network capacity, while 4G LTE networks have captured 50% of the total mobile network capacity.

**Link:** [https://www.itu.int/en/Newsroom/News/2025/03/04/5g-and-4g-lte-networks-capture-50-of-total-mobile-network-capacity-in-q1-2025](#)



### 5G signs new chip development for next-gen 5G

5G has signed a new chip development for next-gen 5G, which will be used to drive the growth of 5G networks. The new chip will be used to drive the growth of 5G networks, and will be used to provide early warning of potential threats to the US space force.

**Link:** [https://www.5gworldforum.com/news/5g-signs-new-chip-development-for-next-gen-5g-2025-03-04](#)



### 5G and 4G LTE networks to advance in satellite space

5G and 4G LTE networks are expected to advance in satellite space, as the number of satellites in orbit increases. The number of satellites in orbit is expected to reach 10,000 by 2025, with 5G and 4G LTE networks playing a key role in driving this growth.

**Link:** [https://www.5gworldforum.com/news/5g-and-4g-lte-networks-to-advance-in-satellite-space-2025-03-04](#)



### Eutelsat in talks with EU to possibly replace Starlink in Ukraine, CEO confirms

French satellite operator Eutelsat Communications is in advanced talks with the European Union to possibly replace tech billionaire Elon Musk's Starlink in Ukraine, Bloomberg reported on March 6. #Eutelsat #Talks

**Link:** <https://kyivindependent.com/eutelsat-in-talks-with-eu-to-possibly-replace-starlink-in-ukraine-ceo-confirms/>



### Department of Defense budget request to space-based threat

The Department of Defense has requested a budget for space-based threat, which will be used to detect and track satellites in orbit. The new budget will be used to detect and track satellites in orbit, and will be used to provide early warning of potential threats to the US space force.

**Link:** [https://www.defense.gov/Newsroom/News-Items/2025/03/04/department-of-defense-budget-request-to-space-based-threat](#)



### Europe's Ariane 6 launches up satellite in first test mission

Europe's Ariane 6 has launched its first test mission, which will be used to drive the growth of 5G networks. The new mission will be used to drive the growth of 5G networks, and will be used to provide early warning of potential threats to the US space force.

**Link:** [https://www.esa.int/Enabling\\_Support/Space\\_Education/Ariane\\_6/2025/03/04/europes-ariane-6-launches-up-satellite-in-first-test-mission](#)



## THREAT INTELLIGENCE

### 5G to collect geo-intel from space-based highly targeted intelligence payload network

5G networks are expected to collect geo-intel from space-based highly targeted intelligence payload network, which will be used to drive the growth of 5G networks. The new network will be used to drive the growth of 5G networks, and will be used to provide early warning of potential threats to the US space force.

**Link:** [https://www.5gworldforum.com/news/5g-to-collect-geo-intel-from-space-based-highly-targeted-intelligence-payload-network-2025-03-04](#)





# THREAT INTELLIGENCE



## Remote code execution and critical vulnerabilities in NASA fprime v3.4.3

Our latest security scan of fprime v3.4.3 has uncovered a variety of critical vulnerabilities, including Remote Code Execution (RCE), Denial of Service (DoS), and Cross-Site Scripting (XSS), that can be exploited to attack mission-critical systems. #NASA #Software



**Link:** <https://visionspace.com/remote-code-execution-and-critical-vulnerabilities-in-nasa-fprime-v3-4-3/>

## Leading AI Researchers in the Cloud: Threat Actors Turn to Strategic Disruption for Success

Researchers continue to advance the strategy of using cloud resources to enhance the security and resilience of their systems. The integration of cloud resources into their infrastructure can provide new threat vectors that pose significant challenges to existing security measures. #CloudSecurity #AI



**Link:** [https://visionspace.com/leading-ai-researchers-in-the-cloud-threat-actors-turn-to-strategic-disruption-for-success](#)

## Shaping space with AI

The space industry has embraced AI to enhance capabilities and drive innovation in satellite operations and mission management.

**Link:** [https://visionspace.com/shaping-space-with-ai](#)

# TRAINING & EDUCATION



## Cybersécurité et infrastructures spatiales : quelle réponse européenne ? (Trad: Cybersecurity and space infrastructures: what is the Europe's response?)

This publication by IEGA and supported by DGRIS - the French Ministry of Defence's Directorate General for International Relations and Strategy, explores how the EU is seeking to establish itself as a standard-setting power in this critical area. #DGRIS #IEGA



**Link:** [https://www.linkedin.com/posts/institut-ega\\_note-de-recherche-cybers%C3%A9curit%C3%A9-et-infrastructures-activity-7302640196838129664-snIS?utm\\_source=share&utm\\_medium=member\\_desktop&rcm=ACoAAC6ww1MBDUN4xAUPfCv581dgYy1A-7vIm60](https://www.linkedin.com/posts/institut-ega_note-de-recherche-cybers%C3%A9curit%C3%A9-et-infrastructures-activity-7302640196838129664-snIS?utm_source=share&utm_medium=member_desktop&rcm=ACoAAC6ww1MBDUN4xAUPfCv581dgYy1A-7vIm60)

## Space Cybersecurity: why is security & what you can do as a user? (Trad: Space Cybersecurity: why is security & what you can do as a user?)

This publication by IEGA and supported by DGRIS - the French Ministry of Defence's Directorate General for International Relations and Strategy, explores how the EU is seeking to establish itself as a standard-setting power in this critical area. #DGRIS #IEGA

**Link:** [https://visionspace.com/space-cybersecurity-why-is-security-what-you-can-do-as-a-user](#)

## A ground-to-orbit-to-orbit satellite-to-satellite communication link based on a quantum-secure and secure communication link

The ground-to-orbit-to-orbit satellite-to-satellite communication link based on a quantum-secure and secure communication link. The integration of quantum-secure communication into satellite-to-satellite communication can provide new threat vectors that pose significant challenges to existing security measures.

**Link:** [https://visionspace.com/a-ground-to-orbit-to-orbit-satellite-to-satellite-communication-link-based-on-a-quantum-secure-and-secure-communication-link](#)

## Space 2025: the 2025 benchmarking international space day

This publication by IEGA and supported by DGRIS - the French Ministry of Defence's Directorate General for International Relations and Strategy, explores how the EU is seeking to establish itself as a standard-setting power in this critical area. #DGRIS #IEGA

**Link:** [https://visionspace.com/space-2025-the-2025-benchmarking-international-space-day](#)





# TRAINING & EDUCATION

*[Blurred content, likely containing training details and links]*



*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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