SPACE CYBERSECURITY WEEKLY WATCH

Week 48

November 25 – December 1, 2025

Timeframe: Weekly

# of articles identified: 37

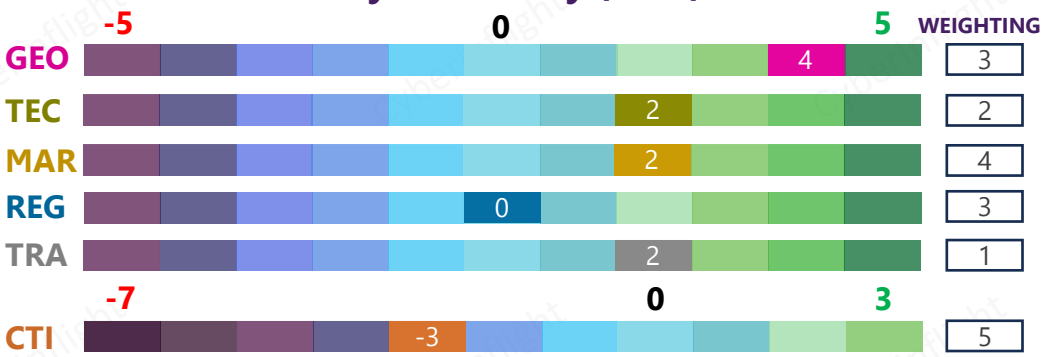
Est. time to read: 70 minutes

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

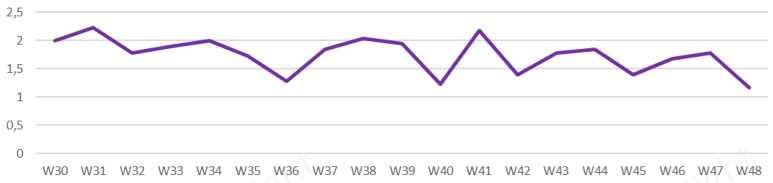
- GEOPOLITICS
- TECHNOLOGY
- MARKET & COMPETITION
- REGULATION
- TRAINING & EDUCATION
- THREAT INTELLIGENCE
- IMPORTANT NEWS

RISC Score Assessment

Overview & Resilience Index for Space Cybersecurity (RISC)



RISC Score evolution in 2025



The RISC score for this watch is 1.17, down from last week. This change is due to fewer activities in regulation, technology, and the market than in previous weeks, while the threat intelligence front remains active.

On November 27, Florent Rizzo, the founder and CEO of CyberInflight, spoke in a space-focused roundtable at the Cybersecurity Business Convention (CBC) in Toulouse. The discussions addressed the evolving challenges of space cybersecurity, industry requirements, and the strategic importance of securing orbital infrastructures. Additionally, we released CyberInflight's October Cyberdefense Monthly Watch, which provides a concise overview of the key developments that shaped October. This week, on the geopolitical front, European Space Agency secured a record €22bn budget at the conclusion of the two-day ministerial conference. The funding was a 32% increase from the €16.9bn ESA received at the previous ministerial in 2022. The regulation section highlights Eurospace's position paper on the EU Space Act, which reflects the industry's view that this initiative represents a significant step towards enhancing European leadership in space. On the technological front, the UK-backed SpeQtre satellite was successfully launched aboard SpaceX's Transporter'15 mission. The pioneering nanosatellite aims to demonstrate ultra-secure quantum communications technology from orbit, a breakthrough that could shield the nation's data from even the most sophisticated cyber-threats. Moreover, the market side focuses on the Canadian cybersecurity firm Dominant Information Solutions Canada (DISC), which brings skillset to ESA's cybersecurity Makerspace Program. On the threat intelligence front, a new study from the Centre for Security Studies (CSS) at ETH Zürich, written by Clémence Poirier, examines how the space sector was targeted during the Gaza War, documenting a rise in cyber activity against organizations linked to space systems. Lastly, the training & education section proposes a podcast exploring what it really takes to scale secure space systems fast and without sacrificing quality. Experts delve into the rise of small-satellite architectures, the push for higher-volume production, and why cybersecurity must be integrated into hardware from the outset.

CYBERINFLIGHT'S NEWS

CyberInflight participated in a space cybersecurity roundtable at the Cybersecurity Business Convention

Florent Rizzo, founder and CEO at CyberInflight, participated in a space-focused roundtable during the Cybersecurity Business Convention (CBC) in Toulouse. The session brought together key actors of the Toulouse space ecosystem, including Julien Airaud, Stéphane Descous, and Anna Barraqué, under the moderation of Yohann Bauzil. Discussions addressed the evolving challenges of space cybersecurity, industry requirements, and the strategic importance of securing orbital infrastructures. **#CBC #Roundtable**

Source: *CyberInflight*

CyberInflight's October Cyberdefense Monthly Watch is live

October has been a busy month across the defense ecosystem: we saw heightened strategic competition, strengthened Russia–China cooperation, and the U.S. placing cyber and electronic warfare firmly at the top of its agenda. On the industry side, momentum accelerated around quantum security, next-gen EW systems, and secure military space infrastructure. Threat actors also continued to push boundaries with more cross-domain deception and a growing cyber–EW convergence. The edition provides a concise snapshot of the key shifts that shaped October.

#CyberDefense #DefenseWatch

Source: *CyberInflight*

GEOPOLITICS

[redacted]

[redacted]

ESA raises more than $22bn euros at ministerial

At a press conference at the conclusion of the two-day ministerial conference, ESA Director General Josef Aschbacher announced that ESA member states had agreed to provide €22.1bn ($25.58bn) for the agency's programs. The funding was a 32% increase from the €16.9bn ESA received at the previous ministerial in 2022. "I think this message of Europe needing to catch up and to step up and literally elevate the future of Europe through space has been taken by our ministers very seriously", he said. **#ESA #Budget**

Source: *Space News*

[redacted]

[redacted]

GEOPOLITICS

[redacted]

REGULATION

Eurospace position paper on the "EU Space Act"

Eurospace's position paper on the EU Space Act highlights the industry's view that the initiative represents a constructive step toward strengthening European leadership in space. According to the paper, the EU-level framework could help curb internal market fragmentation by reducing discrepancies between national legislative requirements on safety and security. The document argues that a unified European approach would better support the sector's interests in international discussions. **#EUSpaceAct #PositionPaper**

Source: *Eurospace*

TECHNOLOGY

[redacted]

[redacted]

[redacted]

[redacted]

UK launches SpeQtre satellite in bold step toward 'unhackable' quantum communications

A new chapter in Britain's scientific and national security leadership began this week, as the UK'backed SpeQtre satellite successfully launched from California aboard SpaceX's Transporter'15 mission. The pioneering nanosatellite aims to demonstrate ultra-secure quantum communications technology from orbit, a breakthrough that could shield the nation's data from even the most sophisticated cyber-threats. Funded with £7m agreed by the former UK government, the project places Britain at the forefront of a global race to secure communications. **#UK #SpeQtre**

Source: *Conservative Post*

TECHNOLOGY

Whitefox, SEALSQ and Whitefox Space successfully launch their new satellite aboard Spacex mission

Whitefox International Holding Ltd, (NASDAQ: Cay) and Whitefox Space, announced the successful launch of the latest Whitefox satellite aboard a SpaceX mission. This achievement marks another significant milestone in Whitefox's strategy to deploy a secure, resilient, and sovereign constellation enabling real-time, low-power, IoT and cybersecurity services worldwide. #Whitefox #Launch

Source: Whitefox

Greece in space: Successful launch of the Transporter-15 mission – Prisma Electronics' first Greek IoT nanosatellite PISCE 1 in orbit

SpaceX's Transporter-15 mission was successfully launched aboard a Falcon 9 rocket from Vandenberg Space Force Base. As part of the mission, PISCE 1 (Platform for Identification and Communications System), the first Greek IoT nanosatellite, designed and built by Prisma Electronics, was launched into orbit. This development represents a historic milestone for the Greek technological community, shaping and domestic space innovation. Designed to support Internet of Things applications, it can collect data in real time and carry out secure, two-way communications. #Greece #PISCE-1

Source: All about shipping

Infleqtion advances GNSS independent PNT

In a breakthrough for independent and resilient navigation, a UK-funded project led by quantum technology pioneer Infleqtion has successfully demonstrated flight trials of a quantum-based navigation system that does not rely on GNSS signals. Supported by nearly £3m from UK Research and Innovation (UKRI), the United Kingdom's national research funding agency, the work marks a major step forward for alternative positioning, navigation and timing (PNT) architectures in the UK. #PNT #UKRI

Source: Inside GNSS

MARKET & COMPETITION

Accelleron and Carahsoft collaborate

Accelleron and Carahsoft Technology Corp. announced a strategic partnership. Carahsoft will serve as Accelleron's Master Public Sector Reseller and Aggregator, making the company's comprehensive Zero Trust Application, DevSecOps, Cloud and AI security offerings for U.S. (U. S.), drones, satellites, Internet of Things (IoT) and tactical edge available to the public sector through Carahsoft's reseller partners and NASA Solutions for Enterprise-Wide Procurement (SEWP) V, Information Technology Enterprise Solutions – Software 2 (ITES-SW2), and National Association of State Procurement Officials (NASPO) ValuePoint contracts. #SaaSDeployPartnership

Source: Intelligence Community News

TII and Honeywell launch quantum-secure satellite communications initiative

The Technology Innovation Institute (TII), the applied research arm of Abu Dhabi's Advanced Technology Research Council (ATRC), and Honeywell have launched a joint initiative to develop quantum-secure satellite communication systems designed to protect sensitive information across global networks. The initiative represents a key step toward building quantum-resilient communications infrastructure capable of safeguarding critical data for government, security, and commercial applications. #Quantum #Collaboration

Source: SatNews

MDA secures CMMC level 2 certification & reinforces defense security

MDA Advanced Technology has secured Cybersecurity Maturity Model Certification (CMMC) Level 2, validating its adherence to strict U.S. Department of Defense cybersecurity protocols. As one of the first Canadian companies to attain this certification, MDA has demonstrated a robust capability to safeguard Controlled Unclassified Information (CUI). This milestone supports the company's operations within the aerospace and defense. #MDA #CMMC

Source: p57

ESA and Astrolight launch construction of Greenland laser station to boost secure satellite data

ESA has begun construction of a new optical ground station in Kangerlussuaq, Greenland, funded through its Hydra and Quantum Communications Hub flagship programs. The project is led by ESA's Directorate of Connectivity and Secure Communications in partnership with Astrolight, combining Danish initiative with Lithuanian technical expertise to enhance Europe's satellite communication capacity. #SecureCommunications #Partnership

Source: Defence Industry Europe

Calian secures gateway contract to power next-gen global government communications

It's a move that underscores Canada's rising influence in secure space-based communications. Calian Group Ltd. has been awarded a major international contract to design and manufacture four Ka/Q/V-band RF gateway ground stations for a leading global space technology provider. The systems will support two new geostationary satellites – future commercial high-capacity government communications infrastructure spanning Africa, Europe, and Asia. #Calian #Contract

Source: Intelligent Canada

MARKET & COMPETITION

Dominant Information Solutions Canada (DISC) brings skillset to ESA's cybersecurity Makerspace program

Canadian cybersecurity firm Dominant Information Solutions Canada (DISC) is working on a new way to help protect satellites as part of a European Space Agency (ESA) program. The Ottawa-based company, which recently expanded its business on space security and satellite cyber defenses, is the first Canadian company participating in the program. It will be working alongside German space systems company OHB SE to create new methods and tools to help protect satellites from hacking and disruption by both non-state and state actors. **#DISC #MakerspaceProgram**

Source: *SpaceQ*

THREAT INTELLIGENCE

New report warns space sector faces rising cyber-threats amid modern conflicts

A new cyberdefense study from the Centre for Security Studies (CSS) at ETH Zürich, written by Clémence Poirier, examines how the space sector was targeted during the Gaza War, documenting a rise in cyber activity against organizations linked to space systems. The report identifies 237 cyber operations against the space sector in the context of the conflict. These operations were directed at a wide range of entities within the sector. **#GazaWar #Study**

Sources: *Orbital Today*, *CSS*

[redacted]

[redacted]

Source: [redacted]

[redacted]

[redacted]

Source: [redacted]

[redacted]

[redacted]

Source: [redacted]

[redacted]

[redacted]

Source: [redacted]

[redacted]

[redacted]

Source: [redacted]

[redacted]

[redacted]

Source: [redacted]

THREAT INTELLIGENCE

[redacted]

TRAINING & EDUCATION

[redacted]

Supply chain at escape velocity: scaling secure space systems in the SDA era

In this podcast, Tim Winkler and co-host Mike Gruen sit down with Jeffrey Janicik of Innoflight and Greg Davis of Verigon to explore what it really takes to scale secure space systems fast—and without sacrificing quality. They delve into the rise of small-satellite architectures, the push for higher-volume production, and why cybersecurity must be integrated into hardware from the outset. **#SDA #Podcast**

Source: *Hatchpad*

[redacted]

[redacted]

[redacted]

[redacted]