



SPACE CYBERSECURITY WEEKLY WATCH

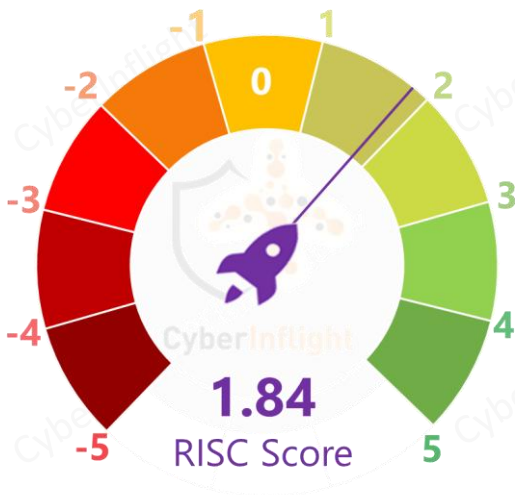
Week 16
April 15 – 21, 2025

Timeframe: Weekly
of articles identified: 31
Est. time to read: 60 minutes

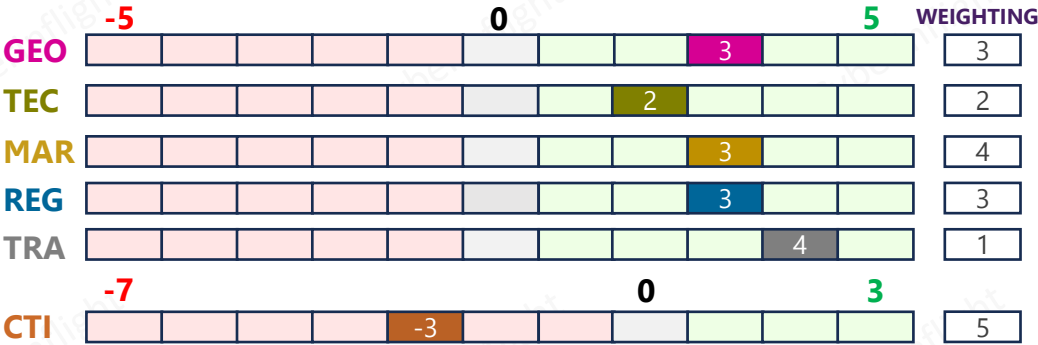
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

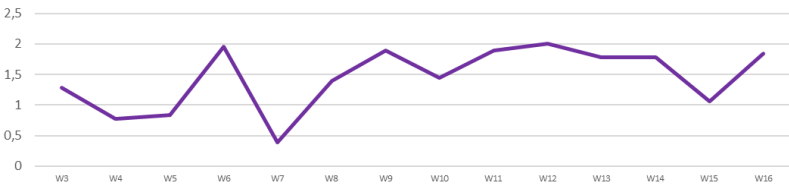
RISC Score Assessment



Overview & Resilience Index for Space Cybersecurity (RISC)



RISC Score evolution in 2025



↑ The RISC score for this watch is 1.84, an increase from last week. This score is due to a strong dynamism in the ecosystem, especially on the geopolitics, regulations, and training and education sides.

This week's geopolitics news includes takeaways from the Space Symposium. Experts from the industry and the government discussed ways of coordinating cybersecurity efforts, with the knowledge that capable adversaries can already exploit weaknesses. Moreover, the Space ISAC announced the launch of its UK Global Hub, a significant advancement in its mission to foster international collaboration in space security. On the market side, the UK government has announced £65m in funding for a new software system called Borealis, which is intended to help the UK military defend its satellites against threats. On the regulation front, the Space Force released its Space Warfighting framework, outlining the service's vision for achieving and maintaining space superiority while ensuring the long-term safety and sustainability of the space domain. On the threat intel side, in the aftermath of Mahmoud Khalil's arrest, DieNet claimed numerous DDoS attacks against U.S. Critical National Infrastructure (CNI), including energy, financial, healthcare, government, transit, and communications infrastructure. On the technical front, Australia's Defence Science and Technology Group (DSTG) is spearheading an ambitious quantum technology initiative to enhance secure timing and communications for the Australian Defence Force (ADF). Lastly, the EU Space Days 2025 are taking place on the 27 and 28 of May in Gdańsk. The event connects policy, business, and technology, propelling Europe's space industry into the future.

GEOPOLITICS



Space ISAC launches UK Global hub to expand threat monitoring, boost international space security

The Space Information Sharing and Analysis Center (Space ISAC) announced on Monday the launch of its UK Global Hub, a major advancement in its mission to foster international collaboration in space security. **#SpaceISAC #Launch**



Link: <https://industrialcyber.co/critical-infrastructure/space-isac-launches-uk-global-hub-to-expand-threat-monitoring-boost-international-space-security/>

India in the era of rising space militarization

As the world's most populous nation, India is increasingly becoming a space power. With its growing space capabilities, India is looking to assert its presence in the global space arena. This has led to a growing interest in space security. **#SpaceISAC #Launch**



Link: <https://industrialcyber.co/critical-infrastructure/space-isac-launches-uk-global-hub-to-expand-threat-monitoring-boost-international-space-security/>

The case for a U.S. led military alliance in space

To address national security risks, the U.S. and its allies are looking to create a new military coalition in space. This coalition would be focused on the protection of space assets. **#SpaceISAC #Launch**



Link: <https://industrialcyber.co/critical-infrastructure/space-isac-launches-uk-global-hub-to-expand-threat-monitoring-boost-international-space-security/>

Space as a battleground : Is global disarmament enough? (First Space and Technology Symposium)

Increasingly, disarmament is becoming a key part of the global security agenda. However, in the case of space, disarmament is not enough. The space race is still on, and the potential for conflict is still high. **#SpaceISAC #Launch**



Link: <https://industrialcyber.co/critical-infrastructure/space-isac-launches-uk-global-hub-to-expand-threat-monitoring-boost-international-space-security/>

Europe: the beating heart of Europe's space cyber response

Europe is at the heart of the global space cyber response. With its growing space capabilities, Europe is looking to assert its presence in the global space arena. **#SpaceISAC #Launch**



Link: <https://industrialcyber.co/critical-infrastructure/space-isac-launches-uk-global-hub-to-expand-threat-monitoring-boost-international-space-security/>



Cyber takeaways from Space Symposium: cyber is an 'all hands' effort

At the Space Symposium, experts from industry and the government discussed ways of coordinating cybersecurity efforts, with the knowledge that capable adversaries can already exploit weaknesses. **#ISAC #Symposium**



Link: <https://www.satellitetoday.com/cybersecurity/2025/04/16/cyber-takeaways-from-space-symposium-cyber-is-an-all-hands-effort/>

Strengthening European strategic autonomy in the space domain

The European Union is looking to strengthen its strategic autonomy in the space domain. This is a key part of the EU's overall strategy. **#SpaceISAC #Launch**



Link: <https://industrialcyber.co/critical-infrastructure/space-isac-launches-uk-global-hub-to-expand-threat-monitoring-boost-international-space-security/>

US satellite agency raises grave concerns over N. Korea's GPS signal jamming

The US satellite agency has raised grave concerns over North Korea's GPS signal jamming. This is a major security risk. **#SpaceISAC #Launch**



Link: <https://industrialcyber.co/critical-infrastructure/space-isac-launches-uk-global-hub-to-expand-threat-monitoring-boost-international-space-security/>

India can be an active player in developing an international framework for responsible behavior in space for army

As India grows into a global space power, it may want to lead a 'space dialogue' as a first step to developing an international framework for responsible behavior in space. **#SpaceISAC #Launch**



Link: <https://industrialcyber.co/critical-infrastructure/space-isac-launches-uk-global-hub-to-expand-threat-monitoring-boost-international-space-security/>

GEOPOLITICS

What does the U.S. Space Force actually do?

To ensure the U.S. is able to defend its satellites in space, the U.S. Space Force is charged with ensuring space assets, satellites, and the supporting infrastructure of operations, monitoring space debris, and developing technology to space warfare. [More Info](#)

Link: <https://theconversation.com/new-uk-system-to-protect-satellites-against-attack-shows-how-global-conflict-has-spilled-into-outer-space-253963>



MARKET & COMPETITION



New UK system to protect satellites against attack shows how global conflict has spilled into outer space

The UK government has announced £65m in funding for a new software system called Borealis which is intended to help the UK military defend its satellites against threats. **#Fund #Software**

Link: <https://theconversation.com/new-uk-system-to-protect-satellites-against-attack-shows-how-global-conflict-has-spilled-into-outer-space-253963>



European partners focus on improving global cybersecurity

European countries are working together to improve global cybersecurity. The EU is leading a new initiative to improve global cybersecurity. The EU is leading a new initiative to improve global cybersecurity. [More Info](#)

More Info

Link: <https://theconversation.com/new-uk-system-to-protect-satellites-against-attack-shows-how-global-conflict-has-spilled-into-outer-space-253963>



European partners and Australia to partner in launch of Taiwan's first dedicated satellite

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More Info

Link: <https://theconversation.com/new-uk-system-to-protect-satellites-against-attack-shows-how-global-conflict-has-spilled-into-outer-space-253963>



US and NATO explore cybersecurity strategy to better protect space force satellites

The US and NATO are working together to improve global cybersecurity. The EU is leading a new initiative to improve global cybersecurity. The EU is leading a new initiative to improve global cybersecurity. [More Info](#)

More Info

Link: <https://theconversation.com/new-uk-system-to-protect-satellites-against-attack-shows-how-global-conflict-has-spilled-into-outer-space-253963>



TECHNOLOGY

European security forces focus on advanced space technologies, report says

A new report from the European Space Agency (ESA) says that space technology has become essential to European defense and security. The report highlights the need for advanced space technologies, such as satellite navigation, satellite communication, and satellite-based surveillance. [More Info](#)

More Info

Link: <https://theconversation.com/new-uk-system-to-protect-satellites-against-attack-shows-how-global-conflict-has-spilled-into-outer-space-253963>



Quantum startup QTFM creates new ground navigation to solve GPS blocking

One of the most critical defense capabilities is the ability to navigate. The QTFM startup is developing a new ground navigation system to solve GPS blocking. [More Info](#)

More Info

Link: <https://theconversation.com/new-uk-system-to-protect-satellites-against-attack-shows-how-global-conflict-has-spilled-into-outer-space-253963>



Australia develops quantum-secured timing network for defence

Australia's Defence Science and Technology Group (DSTG) is spearheading an ambitious quantum technology initiative to enhance secure timing and communications for the Australian Defence Force (ADF). **#Quantum #ADF**

Link: <https://opengovasia.com/2025/04/19/australia-develops-quantum-secured-timing-network-for-defence/>



REGULATION

Adopting rules security and safety and security in outer space which sets the international law of the use of force

The UN General Assembly today adopted Space Security Measures (SSMs) on the Resolution of an Arms Race in Outer Space and the prohibition of the use of force in outer space.

Link: <https://www.un.org/press/en/2025/sgsm10000.doc.htm>



Indicators of behavior (IOBs) in SSMs v.2.0

The SSMs v.2.0 provides a set of indicators that may indicate violations of the SSMs.

Link: <https://www.un.org/press/en/2025/sgsm10000.doc.htm>



U.S. Space Force defines path to space superiority in first Warfighting framework

The Space Force released its Space Warfighting framework, outlining the service's vision for achieving and maintaining space superiority while ensuring the long-term safety and sustainability of the space domain. **#USSF #Framework**

Link: <https://www.spaceforce.mil/News/Article-Display/Article/4156245/us-space-force-defines-path-to-space-superiority-in-first-warfighting-framework/>



Significance of the SSMs support for the UN program

The SSMs v.2.0 provides a set of indicators that may indicate violations of the SSMs. The indicators are designed to be used by the UN to monitor compliance with the SSMs.

Link: <https://www.un.org/press/en/2025/sgsm10000.doc.htm>



THREAT INTELLIGENCE

Adopted to counter Russian SSM interference in North Korea

The UN General Assembly today adopted Space Security Measures (SSMs) on the Resolution of an Arms Race in Outer Space and the prohibition of the use of force in outer space.

Link: <https://www.un.org/press/en/2025/sgsm10000.doc.htm>



Space's orbital satellite constellation 'under threat' by Russia and China

Space's orbital satellite constellation has become a target for Russia and China, according to a new report. The report states that the two countries are working to develop capabilities to disrupt or destroy satellites.

Link: <https://www.un.org/press/en/2025/sgsm10000.doc.htm>



Apple partners Microsoft to expand about Chinese satellite constellation

Apple and Microsoft have announced a partnership to expand their satellite constellation. The partnership will allow the two companies to share data and resources to improve their satellite services.

Link: <https://www.un.org/press/en/2025/sgsm10000.doc.htm>



Hacktivist group DieNet claims DDoS attacks against U.S. CNI

In the aftermath of Mahmoud Khalil's arrest, DieNet claimed numerous DDoS attacks against U.S. Critical National Infrastructure (CNI), including energy, financial, healthcare, government, transit, and communications infrastructure. **#DDoS #USCNI**

Link: <https://www.cisecurity.org/insights/blog/hacktivist-group-dienet-claims-ddos-attacks-against-u-s-c-n-i>



TRAINING & EDUCATION

Space Security Conference

The Space Security Conference is a leading event in the space security community. It provides a platform for experts to share their knowledge and experiences on space security issues.

Link: <https://www.un.org/press/en/2025/sgsm10000.doc.htm>



TRAINING & EDUCATION



EU Space Days 2025: Register now!

Join us on the 27 and 28 of May in Gdańsk for an event that connects policy, business, and technology—propelling Europe's space industry into the future. **#EU #Event**

Link: <https://earsc.org/2025/04/14/eu-space-days-2025-register-now/>



2025 satellite navigation signal multi-dimensional interference optimization method based on hybrid genetic algorithm

The paper presents a 2025 satellite navigation signal multi-dimensional interference optimization method based on hybrid genetic algorithm. **Abstract**

Link: <https://www.researchgate.net/publication/391212100>



2025 students present cutting-edge aerospace research at AIAA Region V Conference

Students from the 2025 and 2026 high school students, college seniors, and graduate students participated in the American Institute of Aeronautics and Astronautics (AIAA) Region V Student Paper Competition held April 1-4 at the University of Minnesota. The 2025 high school students presented the research that they conducted. The 2026 college seniors presented the research that they conducted. The 2026 graduate students presented the research that they conducted. **Abstract**

Link: <https://www.aiaa.org/conferences/2025/region-v>



Why would you want to go to space?

In America and China, it is a matter of life or death. In the West and East, it is a matter of life or death. It is a matter of life or death. It is a matter of life or death. It is a matter of life or death. **Abstract**

Link: <https://www.researchgate.net/publication/391212100>

2025 Students bring home the 2025 National Science Bowl

Students from the 2025 and 2026 high school students, college seniors, and graduate students participated in the National Science Bowl. The 2025 high school students presented the research that they conducted. The 2026 college seniors presented the research that they conducted. The 2026 graduate students presented the research that they conducted. **Abstract**

Link: <https://www.researchgate.net/publication/391212100>



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