

SPACE CYBERSECURITY WEEKLY WATCH

Week 47

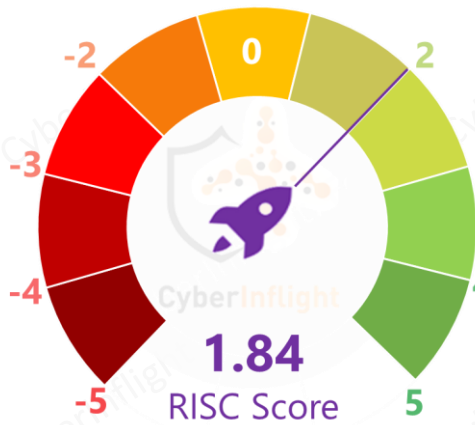
November 19 - 25, 2024

Timeframe: Weekly
of articles identified: 33
Est. time to read: 55 minutes

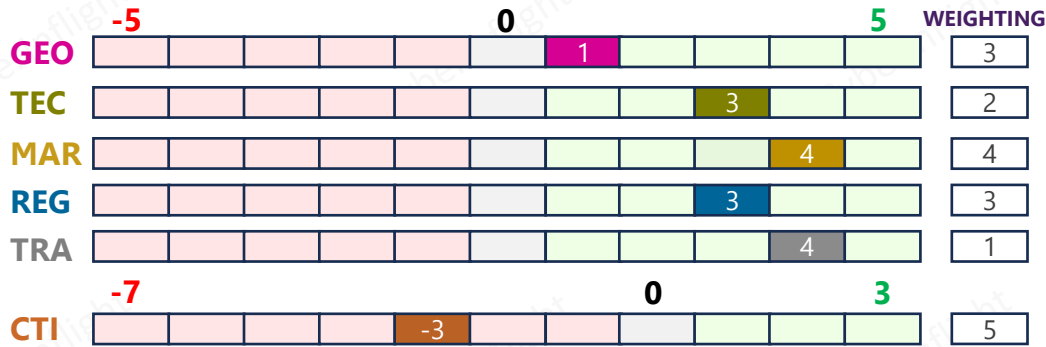
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

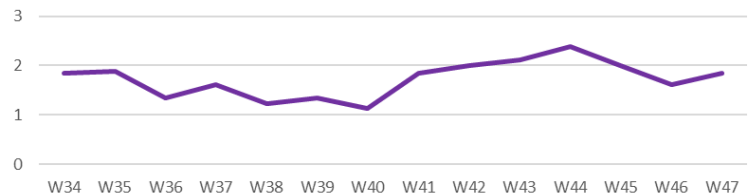
RISC Score Assessment



Overview & Resilience Index for Space Cybersecurity (RISC)



RISC Score Evolution



↑ This week's RISC score is 1.84, reflecting an increase from last week. This increase is attributed to a good market climate, and several conferences and events making headlines.

This week, CyberInflight opened a new intern position starting in January 2025. Take your shot! Waiting to find its new super intern, the team attended the CyberSat Summit in Washington D.C. There, several conferences were held, such as the one from the US Space Force command leader who tackled the topic of human resources and the challenges in recruiting and retaining personnel with the right technical skills, especially in cyber. On the market front, Thales announced the selection of the AIDA (Artificial Intelligence Deployable Agent) project funded by the European Commission under the European Defense Fund (EDF), involving 28 European start-ups, manufacturers, and research centers to ensure the development of a sovereign cybersecurity AI agent for embedded defense systems. On the threat intel side, Maxar Space Systems, a leading satellite manufacturer in the United States, has revealed a data breach that compromised the personal information of its employees. The incident, discovered on October 11, 2024, involved a hacker using a Hong Kong-based IP address to infiltrate the company's network. Moreover, Space Commander General Philippe Adam gave an interview in which he analyzed the state of the threat in space and how France is responding despite relatively limited resources. On the regulatory front, US Congressman Jimmy Panetta has introduced a bipartisan bill aimed at enhancing satellite security and countering space threats posed by Iran and its affiliates. The Space Technology and Regional Security Act (STARS Act) would direct the DoD to develop a strategy and establish a data-sharing agreement with Middle Eastern partners to address Iranian space activities. Lastly, the National Reconnaissance Office (NRO) is moving to a zero-trust/defense in-depth cyber protection schemata for the agency's satellites.



CYBERINFLIGHT'S NEWS



CyberInflight is hiring its new intern; take your shot!

CyberInflight is looking for a market analyst intern starting in January 2025 who is passionate about cybersecurity and the space industry. Feel free to send your resume or share this post with your network! **#Internship #JoinTheTeam**

Link: https://www.linkedin.com/posts/cyberinflight_stage-marketanalyst-cybersaezuritaez-activity-7264577486041104384-bYXI?utm_source=share&utm_medium=member_desktop



CyberInflight at CyberSat Summit 2024!

A look back at CyberInflight attendance at CyberSat Summit 2024 in Washington, D.C. What a pleasure to meet our fellow US counterparts and this common pursuit for global space cybersecurity and resilience through a strong cross-Atlantic collaboration! **#CyberSatSummit #Conference**

Link: https://www.linkedin.com/posts/florent-rizzo-13b54383_the-last-2-days-i-had-a-great-time-in-washington-activity-7265359695769481217-7-JE?utm_source=share&utm_medium=member_desktop



Mark your calendar: join our market analyst Matthias Popoff for a seminar about space!

Wednesday November 27 from 5pm to 7pm, Matthias POPOFF will discuss the strategic and operational challenges of interconnecting space and cyber capabilities, at the IESD seminar. Register for the online session! **#IESD #Seminar**

Link: https://www.linkedin.com/posts/matthiaspopoff_iesd-espace-spacewarfare-activity-7267127870521544705-8W-6?utm_source=share&utm_medium=member_desktop



GEOPOLITICS

US will no longer lead in space cooperation to counter China with high-tech satellite

The United States will no longer lead in space cooperation to counter China with high-tech satellite technology, according to a report from the Congressional Budget Office. The report states that the US has been leading in space cooperation with other countries, but this may change as China's space capabilities grow. The report also notes that the US has been leading in space cooperation with other countries, but this may change as China's space capabilities grow.



US: Space-based missile defense system will be a game-changer for national security

The United States is developing a space-based missile defense system that will be a game-changer for national security. This system will allow the US to detect and intercept incoming missiles from space. The system is expected to be operational in the next few years. The system is expected to be operational in the next few years.

US: Space-based missile defense system will be a game-changer for national security

THREAT INTELLIGENCE

A high-ranking former Russian spy reveals the growing threat of cyberattacks against space systems

A high-ranking former Russian spy reveals the growing threat of cyberattacks against space systems. The spy claims that Russia has been conducting extensive cyber operations against space systems in recent years. The spy claims that Russia has been conducting extensive cyber operations against space systems in recent years.



Employee data exposed in Maxar Space Systems security breach

Maxar Space Systems, a leading satellite manufacturer in the United States, has revealed a data breach that compromised the personal information of its employees. The incident, which was discovered on October 11, 2024, involved a hacker using a Hong Kong-based IP address to infiltrate the company's network. This breach comes as a significant concern, given Maxar's reputation as a key player in the American aerospace industry. **#MaxarSpaceSystems #CyberVulnerability**



Link: <https://izologic.com/region/us/employee-data-exposed-in-maxar-space-systems-security-breach/>



« Les Russes sont également très actifs ailleurs qu'en Ukraine » (Général Philippe Adam) (Trad: "The Russians are also very active outside Ukraine" (French General Philippe Adam))

Space commander General Philippe Adam analyzes the state of the threat in space and how France is responding, despite relatively limited resources. Considered by the US as a leading nation in military space, France has been invited to join the permanent American operation Olympic Defender. This alliance is increasingly confronted with the militarization of space and the omnipresent threats from problematic nations such as Russia, China and Iran. **#CDE #France**



Link: <https://www.latribune.fr/entreprises-finance/industrie/aeronautique-defense/satellites-butineurs-nous-constatons-qu-il-y-a-un-peu-de-prolifération-general-philippe-adam-1011602.html>

MARKET & COMPETITION

Space Cybersecurity (SCS) - Report from the 1st SCS (that Report) event 2024



Report from the 1st SCS (that Report) event 2024. The event was held in Washington, DC, and was the first of its kind. It was a great success and we were very pleased to have so many people attending. The event was very informative and we were able to hear from some of the leading experts in the field.

[https://www.cyberinflight.com/2024/11/19/space-cybersecurity-scs-report-2024/](#)

AISSA Defense & Space AI/ML Alliance - AISSA Defense & Space AI/ML Alliance is a new alliance of AISSA Defense & Space and AI/ML Alliance. The alliance is focused on the development of AISSA Defense & Space and AI/ML Alliance. The alliance is focused on the development of AISSA Defense & Space and AI/ML Alliance.



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[https://www.cyberinflight.com/2024/11/19/ai-ml-alliance-defense-space/](#)

AISSA and AISSA Defense & Space - AISSA and AISSA Defense & Space are working together to develop a sovereign AISSA and AISSA Defense & Space. The alliance is focused on the development of AISSA and AISSA Defense & Space.



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[https://www.cyberinflight.com/2024/11/19/ai-ml-alliance-defense-space/](#)



Thales partenaire du premier projet européen pour une IA souveraine de cyberdéfense embarquée (Trad: Thales partner of the first European project for a sovereign onboard cyberdefense AI)



Thales announces the selection of the AIDA (Artificial Intelligence Deployable Agent) project funded by the European Commission under the European Defense Fund (EDF), involving 28 European start-ups, manufacturers and research centers to ensure the development of a sovereign cybersecurity AI agent for embedded defense systems. The aim of this 3.5-year European project is to design an AI with autonomous or semi-autonomous response capability that protects on-board systems, such as on-board computers and electromagnetic warfare systems on combat aircraft, against cyber-attacks of increasing sophistication during high-intensity conflicts. #Thales #AI

Link: <https://www.globalsecuritymag.fr/thales-partenaire-du-premier-projet-europeen-pour-une-ia-souveraine-de.html>

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TECHNOLOGY

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[https://www.cyberinflight.com/2024/11/19/space-cybersecurity-scs-report-2024/](#)

TECHNOLOGY

Continuity is what the Department is seeking address against emerging space threats

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ESA is Space Systems for Safety and Security (SS3) program

The European Space Agency (ESA) is launching the Space Systems for Safety and Security (SS3) program. The program aims to enhance the safety and security of space systems through various measures, including the development of new technologies and the implementation of best practices. The program is a key part of ESA's efforts to ensure the long-term sustainability of space exploration and operations.



ESA is leading industry consortium to define advanced space technologies and capabilities to French Government's 2025 industrial participation program

The European Space Agency (ESA) is leading a consortium of industry partners to define advanced space technologies and capabilities. This initiative is part of the French Government's 2025 industrial participation program, which aims to support the development of cutting-edge space technologies and the growth of the space industry.



NRO looks to bolster satellite cyber protection

The National Reconnaissance Office (NRO) is moving to a zero trust/defense in depth cyber protection schemata for the agency's satellites. "Whereas in the past the government was really the main tenant of air and space, that equation has flipped," Jeremy Mucha, the NRO's technical director of national communication systems, told the CyberSat conference in Reston, Virginia. "For us — the government — we're still grappling with that, to be perfectly honest, and how we manage and secure our systems. This has really caused us to evolve and think about everything as an IT system."



#NRO #CyberSatSummit

Link: <https://www.satellitetoday.com/cybersecurity/2024/11/19/nro-looks-to-bolster-satellite-cyber-protection/>

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TRAINING & EDUCATION

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TRAINING & EDUCATION

★ SSC Commander garrant talks cyber focus, integrating commercial tech

The US Space Force command leader focusing on buying and operating satellites for the US military, told the CyberSat conference last week that he, like many other government technology leaders, faces challenges recruiting and retaining personnel with the right technical skills, especially in cyber. #CyberSatSummit #SSC

Link: <https://www.satellitetoday.com/government-military/2024/11/22/ssc-commander-garrant-talks-cyber-focus-integrating-commercial-tech/>



REGULATION

Executive introduces Comprehensive Cyber Security Legislation

The House of Representatives has introduced the Comprehensive Cyber Security Legislation, which would be sending a bill of executive orders on 28 November 2024. The bill would establish a framework for cybersecurity and intelligence and security efforts and operations. The Comprehensive Cyber Security Legislation, known as the Cyber Security Act, would establish a framework for cybersecurity and intelligence and security efforts and operations. The bill would establish a framework for cybersecurity and intelligence and security efforts and operations. The bill would establish a framework for cybersecurity and intelligence and security efforts and operations.



SSC works to operationalize cyber guidance for space systems

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SSC framework offers 4 security guidelines for critical infrastructure highlights more development, supply chain accountability

The US Department of Defense has released a framework for critical infrastructure security. The framework offers four security guidelines for critical infrastructure, highlighting more development and supply chain accountability. The framework offers four security guidelines for critical infrastructure, highlighting more development and supply chain accountability. The framework offers four security guidelines for critical infrastructure, highlighting more development and supply chain accountability.



★ Local representative introduces bill to counter Iranian satellite threats in space

US Rep. Jimmy Panetta, who represents Paso Robles and other areas in California's 19th Congressional District, has introduced a bipartisan bill aimed at enhancing satellite security and countering space threats posed by Iran and its affiliates. The Space Technology and Regional Security Act, known as the STARS Act, would direct the Department of Defense to develop a strategy and establish a data-sharing agreement with Middle Eastern partners to address Iranian space activities. These activities could disrupt satellite communications and GPS navigation systems, officials said.



#Iran #Bill

Link: <https://pasoroblesdailynews.com/panetta-introduces-bill-to-counter-iranian-satellite-threats-in-space/205761/>





REGULATION

House Intelligence wants to do away with Portugal's (CISPR) program

The House Intelligence Committee has today introduced a bill intended to terminate the CISPR program. The bill would require the Department of Defense to conduct a cost-benefit analysis of the program and report to the committee by August 1, 2025. The bill also requires the program to be terminated if the analysis shows that the program is not cost-effective. The bill is currently in committee and has not yet been reported to the floor.



DOJ, DHS, and DOD are working to address concerns about the use of AI in national security

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The Department of Justice, Department of Homeland Security, and the Office of the Inspector General are working to address concerns about the use of artificial intelligence (AI) in national security. The agencies are conducting a joint review of AI systems used in national security operations and are developing a framework for the responsible use of AI. The review will focus on the risks of AI, including the potential for bias, discrimination, and the loss of human oversight. The agencies are also working to ensure that AI systems are secure and resilient to cyber threats.



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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