



SPACE CYBERSECURITY WEEKLY WATCH

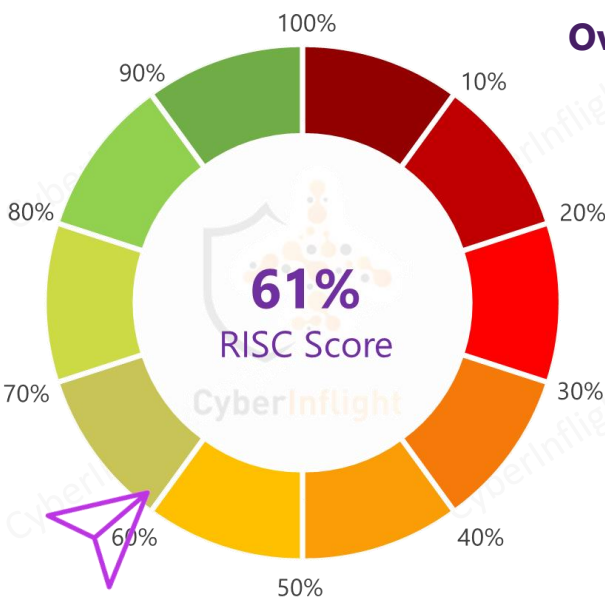
Week 13

March 26 – April 1st, 2024

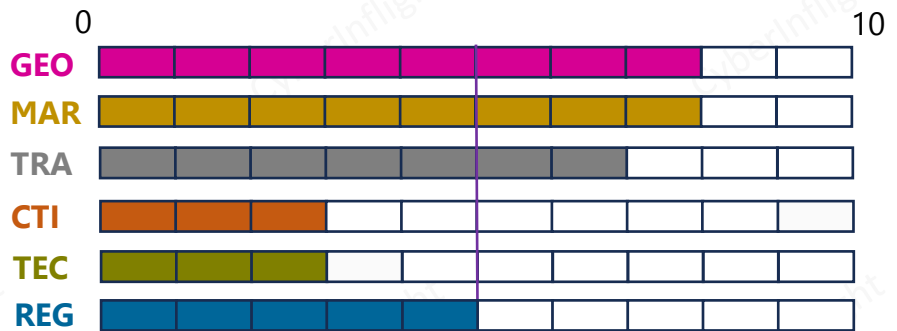
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

Timeframe : Weekly
of articles identified : 44
Est. time to read : 90 minutes

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

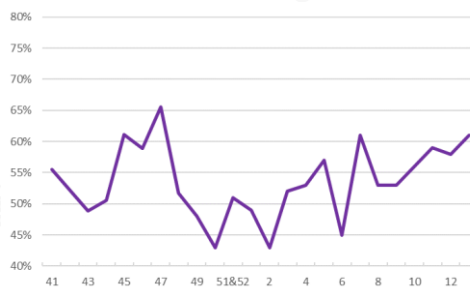


Overview & RISC Score



↑ Increase from last week (from 58% to 61%)

RISC Score Evolution



This W13 follows this year's tendency to increase the RISC score compared to last year. A continuous increase is indeed taking place since W7, even if W8 and W12 showed slight decreases.

This week's RISC score is 61%. This week, an article about North Korea announcing its intention to boost its space development efforts was published. North Korea planned to launch several spy satellites this year, building on the momentum of its first spy satellite. On the market front, ESA has secured €900 million in funding for the European Commission's IRIS2 proposed mega-constellation (Infrastructure for Resilience, Interconnectivity and Security by Satellite) as the technical manager of the multi-orbit project. On the regulatory side, a report advises the creation of a new military service for the U.S. Army, the U.S. Cyber Force, to reinforce the US CYBERCOM. Like the U.S. Space Force, it would initially come under the Department of the Army as a new independent armed service. In addition, the CYSAT 2024 conference will take place in Paris on April 24th and 25th. CYSAT is Europe's largest annual gathering on cybersecurity issues in space for civil and commercial missions, including New Space. On the Technology front, CMC Electronics and Hexagon's autonomy and positioning division is developing technology that will mitigate global navigation satellite system (GNSS) jamming and spoofing using a multi-constellation, multi-frequency GNSS platform. Finally, more than 1,600 planes were hit by mysterious GPS jamming across Europe. Most of them appeared to be taking place in Polish airspace. Russia is suspected to be responsible.

GEOPOLITIC

Officials plan for new age of cyber threats to satellites

Officials plan for new age of cyber threats to satellites

Link: [https://www.defense.gov/Newsroom/Article-Details/202403260001](#)



Canada to tighten foreign investment rules in AI, space technology sectors

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Link: [https://www.cbc.ca/news/politics/canada-foreign-investment-review-ai-space-1.7048488](#)



Ministry to test Tapping satellite system

Ministry to test Tapping satellite system

Link: [https://www.defense.gov/Newsroom/Article-Details/202403260002](#)



Advancing in Space, China seeks growing threats, USF leadership

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Link: [https://www.defense.gov/Newsroom/Article-Details/202403260003](#)



Defense officials issue new commercial space strategies

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Link: [https://www.defense.gov/Newsroom/Article-Details/202403260004](#)



Official says Proliferation Remains Best Defense Against Threats To US Space Assets

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Link: [https://www.defense.gov/Newsroom/Article-Details/202403260005](#)



How to Strengthen U.S.-Japan Space Cooperation to Meet the Urgent Security Challenges Ahead

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Link: [https://www.defense.gov/Newsroom/Article-Details/202403260006](#)



★ North Korea pledges to expand its spy satellite program in 2024

North Korea announced Monday its intention to boost its space development efforts by launching several spy satellites this year, building on the momentum of its first spy satellite, Malligyong-1, successfully launched into orbit in November last year. #NorthKorea #SpySatellite

Link: <https://breakingthenews.net/Article/N.-Korea-pledges-to-expand-its-spy-satellite-program-in-2024/61775969>



MARKET & COMPETITION

European Military satellite 2024 funding needed for 10 satellite delivery

The US Space Force and the UK Space Command are set to receive funding for 10 military satellites, which are part of the Department of Defense's fiscal year 2024 budget according to the House Military and Veterans Affairs Committee. [Read More](#)



[Link: https://www.defenseone.com/news/2024/03/28/usa-space-force-uk-space-command-10-military-satellites-funding-2024/](#)

Sweden space cyber security Cyber Shield & Orion

Sweden's Space Security Agency (SSA) has announced a new cyber security program for its satellites, called Cyber Shield and Orion. The program will focus on protecting the agency's satellites from cyber threats and ensuring their availability. [Read More](#)



[Link: https://www.ssa.se/en/press-releases/2024/03/28/cyber-shield-and-orion](#)

10 European joins a Quantum Safe Satellite Data Link project

The European Space Agency (ESA) has announced a new project to develop a quantum safe satellite data link. The project will involve 10 European countries and will focus on developing a secure data link for satellites. [Read More](#)



[Link: https://www.esa.int/ESA_Media/Press_Releases/2024/03/28/quantum-safe-satellite-data-link](#)

Europe 2024 Satellite Communications (SATCOM) market analysis and forecast, 2023-2030

The Europe 2024 satellite communications (SATCOM) market is expected to grow significantly over the next few years. The market is driven by the increasing demand for satellite services and the development of new satellite technologies. [Read More](#)



[Link: https://www.researchandmarkets.com/research/2024/03/28/europe-2024-satellite-communications-market-analysis-and-forecast-2023-2030](#)



ESA secures IRIS2 investment

The European Space Agency (ESA) has secured €900 million in funding for the European Commission's (EC) IRIS2 proposed mega-constellation (Infrastructure for Resilience, Interconnectivity and Security by Satellite). ESA is the multi-orbit project's technical manager. **#ESA #IRIS2**



Link: <https://advanced-television.com/2024/03/28/esa-secures-iris2-investment/>

ESA's Galileo to be equipped by Airbus to set the path for future growth

The European Space Agency (ESA) has announced that Airbus will be the main contractor for the Galileo satellite navigation system. The system will be used for a variety of applications, including navigation and timing. [Read More](#)



[Link: https://www.esa.int/ESA_Media/Press_Releases/2024/03/28/galileo-to-be-equipped-by-airbus](#)

ESA's Galileo with support of Europe's Commission awarded with payload Common Trance Performance 6 with primary payload of European Space Agency (ESA) for Galileo Payload

The European Space Agency (ESA) has announced that the Common Trance Performance 6 (CTP6) payload for the Galileo satellite navigation system has been awarded to Airbus. The payload will be used for a variety of applications, including navigation and timing. [Read More](#)



[Link: https://www.esa.int/ESA_Media/Press_Releases/2024/03/28/galileo-with-support-of-europe-s-commission-awarded-with-payload-common-trance-performance-6](#)

ESA's Engineering completes the installation of the 10th Galileo Receiver

The European Space Agency (ESA) has announced that the 10th Galileo Receiver has been successfully installed on the Galileo satellite navigation system. The receiver will be used for a variety of applications, including navigation and timing. [Read More](#)



[Link: https://www.esa.int/ESA_Media/Press_Releases/2024/03/28/esa-s-engineering-completes-the-installation-of-the-10th-galileo-receiver](#)

MARKET & COMPETITION

South Korean Space Services Deal with U.S. Space Force

South Korea's space services deal with the U.S. Space Force is a significant milestone in the country's space program. The agreement, which is the first of its kind, will allow South Korea to use U.S. military satellites for commercial purposes. This will enable South Korea to develop its own space-based services and compete in the global market. The deal is expected to be finalized in the coming months.



U.S. Space Force Announces \$1.2 Billion in New Funding for Research

The U.S. Space Force has announced a new funding package of \$1.2 billion for research and development. This funding will be used to support a variety of projects, including the development of new satellite technologies and the improvement of existing systems. The funding is part of the Space Force's broader strategy to enhance its capabilities and maintain its leadership in space.



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REGULATION

Polish Network is Added to List of Security Accreditation Board of the EU Space Program

The Polish network has been added to the list of security accreditation board of the EU Space Program. This accreditation is a key requirement for participating in the program and will allow the network to access sensitive information. The accreditation is a testament to the network's high standards of security and reliability.



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New Report Advises the Creation of New Military Service for Cyber

More than four years after the establishment of a sixth military service, U.S. Space Force, in December 2019, a new report advises the creation of a seventh service, the U.S. Cyber Force, which would initially come under the Department of the Army. #USSF #USCyberForce

Link: <https://www.satellitetoday.com/government-military/2024/03/26/new-report-advises-the-creation-of-new-military-service-for-cyber/>

TECHNOLOGY

New Satellite Launch to Test Quantum Communication in Space

A new satellite launch is set to test quantum communication in space. This technology has the potential to revolutionize secure communication and is a key area of research for the space industry. The satellite will be launched in the coming months and will be used to test the feasibility of quantum communication in a space environment.



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CMC, Hexagon Partner on GNSS Jamming, Spoofing solution

CMC Electronics and Hexagon's autonomy and positioning division are developing technology that will mitigate global navigation satellite system (GNSS) jamming and spoofing using a multi-constellation, multi-frequency GNSS platform. Multi-constellation systems can receive position, navigation, and timing signals from more than one satellite navigation network, such as the U.S. GPS, Europe's Galileo, Russia's Glonass, and others. #CMC #Hexagon

Link: <file:///C:/Users/Admin/Zotero/storage/9XKK964I/cmc-hexagon-partner-gnss-jamming-spoofing-solution.html>



TECHNOLOGY

Scientists from Russia and China have installed a satellite quantum-protected communication channel 1,000 km long

The world's first quantum-protected satellite communication channel, which is 1,000 km long, has been established between the Russian satellite 'Luzon' and the Chinese satellite 'Micius'. The channel is used to transmit quantum-encrypted data between the two satellites. This is a significant step towards secure satellite communication.

Link: [https://www.space.com/quantum-communication-satellites](#)



TRAINING & EDUCATION

Leading tech firms in South & Southeast Asia are investing in cybersecurity in Southeast Asia

Leading tech firms in South & Southeast Asia are investing in cybersecurity in Southeast Asia. This is due to the increasing number of cyberattacks in the region and the need for better protection. Companies like Google, Microsoft, and Amazon are leading the way in this area.

Link: [https://www.cyberinflight.com/news/tech-firms-invest-in-cybersecurity-south-southeast-asia](#)



The nation's first cybersecurity training program will focus on the 2nd cohort

The nation's first cybersecurity training program will focus on the 2nd cohort. This program is designed to provide cybersecurity training to a wide range of professionals. It will cover topics such as network security, incident response, and digital forensics.

Link: [https://www.cyberinflight.com/news/nations-first-cybersecurity-training-program-2nd-cohort](#)



Cybersecurity threats to global internet

Cybersecurity threats to global internet. The global internet is facing a variety of cybersecurity threats, including data breaches, ransomware attacks, and denial of service attacks. These threats are becoming more sophisticated and more frequent.

Link: [https://www.cyberinflight.com/news/cybersecurity-threats-global-internet](#)



France's satellite communication will boost the space communication and fight to boost data security – with the 1st satellite launching in 2025

France's satellite communication will boost the space communication and fight to boost data security – with the 1st satellite launching in 2025. This satellite will provide secure communication for France's government and military.

Link: [https://www.cyberinflight.com/news/frances-satellite-communication-boost-data-security](#)



CYSAT 2024 conference: the challenges of space cybersecurity

CYSAT is Europe's largest annual gathering on cybersecurity issues in space, for civil and commercial missions, including New Space. Mathieu Bailly, vice-president of CYSEC and director of CYSAT, presents the event, which will be held in Paris on April 24 and 25. #CYSAT #Conference

Link: <https://air-cosmos.com/article/conference-cysat-2024-les-enjeux-de-la-cybersecurite-spatiale-68657>



Recognizing the first leader: The global effort to protect space infrastructure with space 100

Recognizing the first leader: The global effort to protect space infrastructure with space 100. This initiative aims to identify and protect the most critical space infrastructure in the world.

Link: [https://www.cyberinflight.com/news/global-effort-protect-space-infrastructure-space-100](#)



TRAINING & EDUCATION

Advanced 2024 Learning & Operating Resilience

The new course will provide participants with a comprehensive understanding of the latest trends in advanced 2024 learning and operating resilience. The course will cover the latest research and developments in this field, including the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security. The course will also cover the latest research and developments in this field, including the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security.

[https://www.cisa.gov/cyber-inflight/advanced-2024-learning-and-operating-resilience](#)



Advanced Public Good for Artificial Intelligence Space Domain Awareness

This course is designed to provide participants with a comprehensive understanding of the latest trends in advanced public good for artificial intelligence space domain awareness. The course will cover the latest research and developments in this field, including the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security.

[https://www.cisa.gov/cyber-inflight/advanced-public-good-for-artificial-intelligence-space-domain-awareness](#)



Advanced training about the artificial intelligence based Mobility as a Service

This course is designed to provide participants with a comprehensive understanding of the latest trends in advanced training about the artificial intelligence based mobility as a service. The course will cover the latest research and developments in this field, including the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security.

[https://www.cisa.gov/cyber-inflight/advanced-training-about-the-artificial-intelligence-based-mobility-as-a-service](#)



Optimizing satellite and user networks for a global quantum network

This course is designed to provide participants with a comprehensive understanding of the latest trends in optimizing satellite and user networks for a global quantum network. The course will cover the latest research and developments in this field, including the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security.

[https://www.cisa.gov/cyber-inflight/optimizing-satellite-and-user-networks-for-a-global-quantum-network](#)



Space is essential for infrastructure. Why isn't it considered critical?

This course is designed to provide participants with a comprehensive understanding of the latest trends in space is essential for infrastructure. Why isn't it considered critical? The course will cover the latest research and developments in this field, including the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security.

[https://www.cisa.gov/cyber-inflight/space-is-essential-for-infrastructure-why-isnt-it-considered-critical](#)



National Cybersecurity Center to host 2024 Spring 2024 2024 Symposium

The National Cybersecurity Center will host the 2024 Spring 2024 2024 Symposium on April 10, 2024. The symposium will focus on the latest trends in cybersecurity and the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security.

[https://www.cisa.gov/cyber-inflight/national-cybersecurity-center-to-host-2024-spring-2024-2024-symposium](#)



New Age of cyber threats to satellites

This course is designed to provide participants with a comprehensive understanding of the latest trends in new age of cyber threats to satellites. The course will cover the latest research and developments in this field, including the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security.

[https://www.cisa.gov/cyber-inflight/new-age-of-cyber-threats-to-satellites](#)



2024 2024 - November 2024 - Workshop on the Security of Space and Satellite Systems

This workshop is designed to provide participants with a comprehensive understanding of the latest trends in the security of space and satellite systems. The workshop will cover the latest research and developments in this field, including the use of machine learning, artificial intelligence, and other advanced technologies to enhance system resilience and security.

[https://www.cisa.gov/cyber-inflight/2024-2024-november-2024-workshop-on-the-security-of-space-and-satellite-systems](#)



THREAT INTELLIGENCE



GPS jamming and jamming in Eastern Europe

Planes flying over and around the Baltic Sea in northern Europe have been suffering technical problems caused by jamming since Sunday, with 1614 planes, mostly civilian, reporting problems since then. While most of them appear to be taking place in Polish airspace, OSINT blogs have reported that planes flying in German, Danish, Swedish, Latvian and Lithuanian airspace have suffered interference problems. #Jamming #Planes

Link: [https://www.dailymail.co.uk/news/article-13241019/More-1-600-planes-hit-mysterious-GPS-jamming-Europe-Russia-feared-responsible.html](#)

More than 1,600 planes are hit by mysterious GPS jamming across Europe - with Russia feared to be responsible

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Report of South Korea's satellite operations broadcast in cyberspace

The South Korean government has reported that its satellite operations have been broadcast in cyberspace, with the information being used to identify the satellite's location and track its movements. The report states that the information was obtained from a cyber source and is being used to identify the satellite's location and track its movements. The report also states that the information is being used to identify the satellite's location and track its movements.

Link: [https://www.dailymail.co.uk/news/article-13241019/More-1-600-planes-hit-mysterious-GPS-jamming-Europe-Russia-feared-responsible.html](#)



Small GPS jamming forces airlines to use alternative systems to land in Beirut

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Link: [https://www.dailymail.co.uk/news/article-13241019/More-1-600-planes-hit-mysterious-GPS-jamming-Europe-Russia-feared-responsible.html](#)



GPS jamming spreads to Ukraine, and aviation caught in the electronic conflict

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Link: [https://www.dailymail.co.uk/news/article-13241019/More-1-600-planes-hit-mysterious-GPS-jamming-Europe-Russia-feared-responsible.html](#)



China shows its flag

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