



SPACE CYBERSECURITY WEEKLY WATCH

Week 4

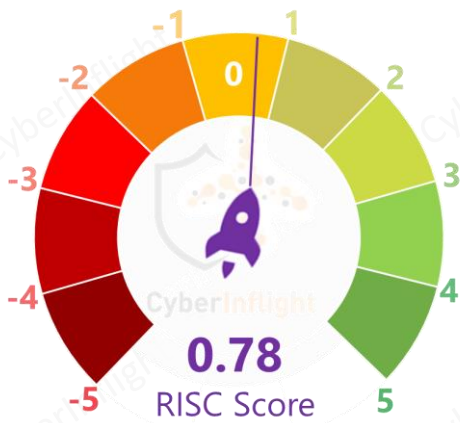
January 21 - 27, 2025

Timeframe: Weekly
of articles identified: 31
Est. time to read: 55 minutes

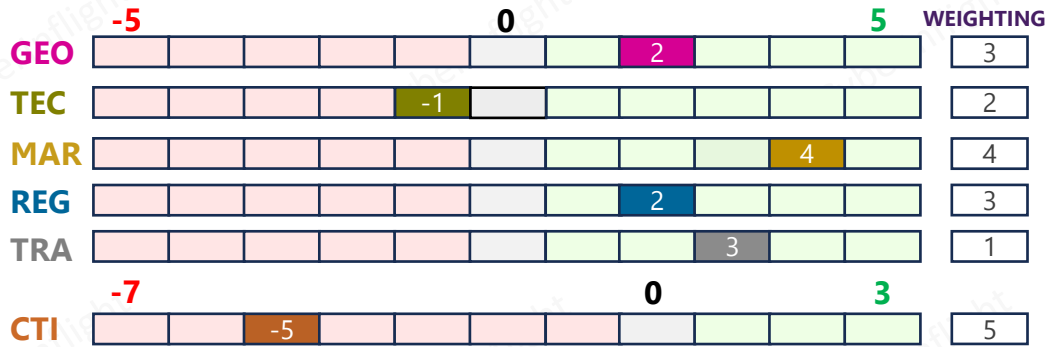
Articles, company's communications, whitepapers, academic works, podcast, and sources not to be missed on the topic of space cybersecurity over a specified timeframe.

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

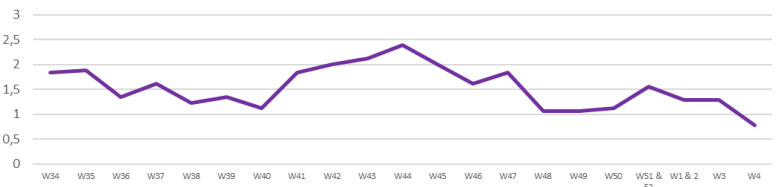
RISC Score Assessment



Overview & Resilience Index for Space Cybersecurity (RISC)



RISC Score evolution in 2024 and 2025



↓ The RISC score for this watch is 0.78, a decrease from last week. This score is especially due to strong threats and negative technological new.

This week, CyberInflight is proud to participate in an EU Space ISAC panel at the 17th European Space Conference. On the geopolitical side, experts examined the impact of GNSS interference during the recent Jammertest event in Norway. On the regulation front, the new Executive Order aims to strengthen cybersecurity measures across federal agencies and critical infrastructure. On the threat intel side, Russia's intelligence services operate an impressive series of ground stations to eavesdrop on foreign communications satellites. Furthermore, in response to the growing cyber-threats targeting critical space infrastructure, OASIS Open, the global open source and standards organization, announced the launch of the Space Automated Threat Intelligence Sharing (SATIS) Technical Committee (TC). On the technological side, Elbit Systems' ATMOS and PULS weapon systems that Denmark purchased in 2023 are equipped with civilian GPS, making them vulnerable to electronic interference. On the market front, a contract between the ESA and the Estonian Space Office has been signed with a consortium led by Spaceit to begin development. Moreover, the European satellite maker Thales Alenia Space and Spanish operator Hispasat have secured government funding to develop a geostationary payload that uses quantum technology to distribute encryption keys. Last but not least, the call for tender to ensure the provision of the Galileo Services for the period 2027-2036 is now open. A webinar is organised on February 3 to present the call.



CYBERINFLIGHT'S NEWS



CyberInflight to participate in an EU Space ISAC panel at the 17th European Space Conference

Within the European Space Conference this week, a side event dedicated to EU Space Information Sharing and Analysis Centre – ISAC is planned. Florent Rizzo and the other panelists will provide valuable insights into the key challenges and security threats facing the EU space sector, as well as the critical role of collaboration and information sharing in mitigating these risks. Save the date for 29 January 2025, 14:30 - 15:45. See you there! **#EUSpace #Conference**



Link: https://www.linkedin.com/posts/eu-space_euspace-activity-7288520111915724829-i10G?utm_source=share&utm_medium=member_desktop

GEOPOLITICS

The US's space industrial security & economic resilience

The US's space industrial security & economic resilience... [blurred text]



India is preparing for a new era of half-hour war - India's Strategic Outlook

India is preparing for a new era of half-hour war... [blurred text]



NLS tests GNSS equipment at Jammertest to combat interference

Experts from the Finnish Geospatial Research Institute (FGI) and the National Land Survey of Finland (NLS) examined the impact of GNSS interference during the recent Jammertest event in Norway. This controlled environment allowed safe testing of signal disruption. **#Jammertest #Exercise**



Link: <https://www.gim-international.com/content/news/nls-tests-gnss-equipment-at-jammertest-to-combat-interference>

Europe's satellite IT strategy to space opportunity

Europe's satellite IT strategy to space opportunity... [blurred text]



Trump administration starts dismantling Biden cyber operations

Trump administration starts dismantling Biden cyber operations... [blurred text]



REGULATION



What the latest cybersecurity Executive Order could mean for space

In response to growing cybersecurity challenges, the new Executive Order for Strengthening and Promoting Innovation in the Nation's Cybersecurity signed on Jan. 16, 2025, is aimed at strengthening cybersecurity measures across federal agencies and critical infrastructure. The directive introduces new guidelines for modernizing cybersecurity practices, enhancing information sharing between the government and private sector, and improving overall resiliency to cyber threats. **#AerospaceCorporation #ExecutiveOrder**



Link: <https://aerospacecorp.medium.com/what-the-latest-cybersecurity-executive-order-could-mean-for-space-389a1498b5e0>





REGULATION

EU: extending satellite to critical infrastructure

The European Union Agency for Cybersecurity is at the center of setting up new cybersecurity standards for critical infrastructure operators across Europe. At a recent meeting, according to Space Insider, the EU Council of the Ministers of Justice and Home Affairs will discuss the proposed standards. [Space Insider](#)

[EU: extending satellite to critical infrastructure](#)



THREAT INTELLIGENCE



The satellite eavesdropping stations of Russia's intelligence services (part 1)

Russia's intelligence services operate an impressive series of ground stations to eavesdrop on foreign satellites. Most, if not all, of the targets are communications satellites. Most of these facilities were set up back in the days of the Soviet Union and have since been modernized. [#Russia #Eavesdropping](#)

[Link: https://www.thespacereview.com/article/4923/1](https://www.thespacereview.com/article/4923/1)



Signal Ground stations to an unidentified Government Aerospace and Defense in the USA

The Signal Ground stations will be used to intercept and analyze signals from satellites and other sources in the USA. [Space Insider](#)

[Signal Ground stations to an unidentified Government Aerospace and Defense in the USA](#)

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Number of GPS signal disruptions in Latvia reaches new record - satellites blamed as Russia

A satellite operator has the US State Department agency of the US and reports that the number of GPS signal disruptions in Latvia has reached a new record. The number of such incidents has increased 100-fold, including a record number of 176 cases reported in a single month (December). The operator has GPS signal disruptions caused by the Russian satellite. [Space Insider](#)

[Number of GPS signal disruptions in Latvia reaches new record - satellites blamed as Russia](#)

[Number of GPS signal disruptions in Latvia reaches new record - satellites blamed as Russia](#)



China's cyber spies are targeting Russia's aerospace and defense firms

China's cyber spies are targeting Russia's aerospace and defense firms. The report says that Chinese hackers have been targeting Russian aerospace and defense firms for years. [Space Insider](#)

[China's cyber spies are targeting Russia's aerospace and defense firms](#)

[China's cyber spies are targeting Russia's aerospace and defense firms](#)



Full defense contractor bank Aerospace potentially breached by US government

Full defense contractor bank Aerospace potentially breached by US government. The report says that the US government has breached the bank's systems. [Space Insider](#)

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Latvia reaches new record for GPS signal disruptions - satellites blamed as Russia

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Russian intelligence's cyber operations attack Russian flight company may Russia left without satellite communications and internet

Russian intelligence's cyber operations attack Russian flight company may Russia left without satellite communications and internet. The report says that Russian intelligence has attacked a Russian flight company. [Space Insider](#)

[Russian intelligence's cyber operations attack Russian flight company may Russia left without satellite communications and internet](#)

[Russian intelligence's cyber operations attack Russian flight company may Russia left without satellite communications and internet](#)



OASIS launches global initiative to standardize cyber threat intelligence sharing in space

As space operations become increasingly complex, the demand for effective threat intelligence sharing is more crucial than ever. In response to the growing cyber-threats targeting critical space infrastructure, OASIS Open, the global open source and standards organization, announced the launch of the Space Automated Threat Intelligence Sharing (SATIS) Technical Committee (TC). [#CTI #SATIS](#)

[Link: https://www.oasis-open.org/2025/01/23/oasis-launches-satis-tc/](https://www.oasis-open.org/2025/01/23/oasis-launches-satis-tc/)





TECHNOLOGY

European satellite navigation systems take their quantum encryption test
European satellite navigation systems are taking their quantum encryption test. The test involves a quantum key distribution (QKD) system that will be used to secure the communication between the ground stations and the satellites. The test is being conducted by the European Space Agency (ESA) and the European Commission. The test is a significant milestone in the development of quantum encryption for space-based navigation systems.
[Link: https://www.esa.int/Enabling_Support/Space_Engineering_Technology/Quantum_key_distribution_test_for_navigation_satellites](#)



MARKET & COMPETITION

ESA launches satellite navigation system to enhance and test testing of strategic payloads with the Galileo system
ESA has launched a satellite navigation system to enhance and test testing of strategic payloads with the Galileo system. The system is designed to provide secure and reliable navigation services for critical applications. The system will be used to test the performance of the Galileo system in a real-world environment. The system is being developed by ESA and the European Commission. The system is a significant milestone in the development of satellite navigation systems for critical applications.
[Link: https://www.esa.int/Enabling_Support/Space_Engineering_Technology/ESA_launches_satellite_navigation_system_to_enhance_and_test_testing_of_strategic_payloads_with_the_Galileo_system](#)



ESA shows the way of Spain in technologies for satellite control, exploration of the universe and defense
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[Link: https://www.esa.int/Enabling_Support/Space_Engineering_Technology/ESA_shows_the_way_of_Spain_in_technologies_for_satellite_control_exploration_of_the_universe_and_defense](#)



★ Europe to develop geostationary quantum encryption payload

European satellite maker Thales Alenia Space and Spanish operator Hispasat have secured government funding to develop a geostationary payload that uses quantum technology to distribute encryption keys. The companies said Jan. 21 that the two-year project, initiated by Spain and backed by €104m (\$108m) of European COVID-19 recovery funds, paves the way for the first quantum key distribution (QKD) platform operating from geostationary orbit (GEO). **#Europe #Quantum**



Link: <https://spacenews.com/europe-to-develop-geostationary-quantum-encryption-payload/>

Italian satellite launch control test for navigation and defense operations
Italian satellite launch control test for navigation and defense operations. The test involves a quantum key distribution (QKD) system that will be used to secure the communication between the ground stations and the satellites. The test is being conducted by the Italian Space Agency (ASI) and the European Commission. The test is a significant milestone in the development of quantum encryption for space-based navigation systems.
[Link: https://www.esa.int/Enabling_Support/Space_Engineering_Technology/Italian_satellite_launch_control_test_for_navigation_and_defense_operations](#)



Operations Manager Program Launches Strategic Operations to Bridge the Space-Related Gap
Operations Manager Program Launches Strategic Operations to Bridge the Space-Related Gap. The program is designed to provide secure and reliable navigation services for critical applications. The program will be used to test the performance of the Galileo system in a real-world environment. The program is being developed by ESA and the European Commission. The program is a significant milestone in the development of satellite navigation systems for critical applications.
[Link: https://www.esa.int/Enabling_Support/Space_Engineering_Technology/Operations_Manager_Program_Launches_Strategic_Operations_to_Bridge_the_Space-Related_Gap](#)



★ Estonia to host Europe's new space cybersecurity testing ground

The European Space Agency (ESA) and the Estonian Space Office have set out to develop Europe's newest space cyber range that aims to make space technology more secure and accessible for companies across Europe. Last year, Estonian industry was invited to submit proposals for concepts, and today the contract has been signed with a consortium led by Spaceit to begin development. **#ESA #ARTES**



Link: https://www.esa.int/Applications/Connectivity_and_Secure_Communications/Estonia_to_host_Europe_s_new_space_cybersecurity_testing_ground



MARKET & COMPETITION

Space Cybersecurity Watch by CyberInflight - Continuous Cybersecurity in Space Systems II (Part 2)
Supporting the future of Galileo: EUSPA's call for service operations 2027-2036

Space Cyber Security is a critical element of space operations and is a key enabler for the success of space missions. In a world where space is becoming a contested domain, it is essential to ensure the ability to detect, identify, and track threats in space. **Market Watch**



Link: [https://www.cyberinflight.com/news/space-cybersecurity-in-space-systems-ii-part-2](#)

Galileo Technologies confirmed as a Key Technology Partner of the European Space Agency

The European Space Agency (ESA) has confirmed Galileo Technologies as a Key Technology Partner for the Galileo program. This partnership will see Galileo Technologies providing its expertise in space systems and services to support the ESA's Galileo program. **Market Watch**



Link: [https://www.cyberinflight.com/news/galileo-technologies-confirmed-as-a-key-technology-partner-of-the-european-space-agency](#)

European Space Agency Awards ESA/ESA/ESA/ESA to Support the Operation of Galileo

The European Space Agency (ESA) has awarded four contracts to support the operation of Galileo. These contracts are for the provision of services, maintenance, and support for the Galileo program. **Market Watch**



Link: [https://www.esa.int/Enabling_Support/Space_Engineering_Technology/ESA_awards_four_contracts_to_support_the_operation_of_Galileo](#)

TRAINING & EDUCATION

★ Supporting the future of Galileo: EUSPA's call for service operations 2027-2036

The call for tender to ensure the provision of the Galileo Services for the period 2027-2036 is now open. A webinar is organised on February 3 to present the call. **#EUSPA #Galileo**



Link: <https://www.euspa.europa.eu/newsroom-events/news/supporting-future-galileo-euspa-call-service-operations-2027-2036>

ESA's Galileo program is a key element of the European Union's space strategy. The program is designed to provide accurate positioning, navigation, and timing services to users worldwide. The program is also a key enabler for a wide range of applications, including agriculture, transport, and disaster relief. **Market Watch**



Link: [https://www.esa.int/Enabling_Support/Space_Engineering_Technology/Galileo_program](#)

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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

