



SPACE CYBERSECURITY WEEKLY WATCH

Week 22

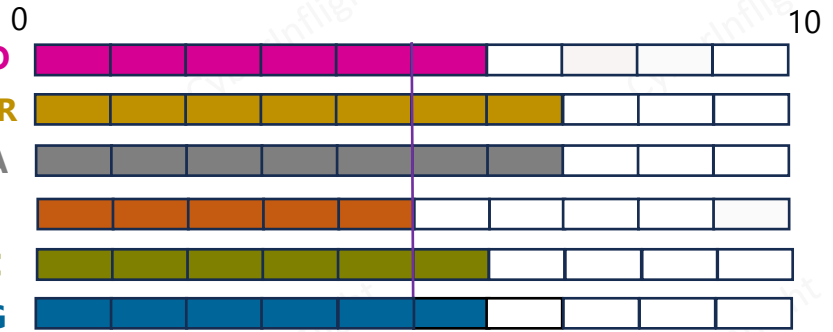
May 28 – June 03, 2024

Timeframe : Weekly
of articles identified : 31
Est. time to read : 50 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.

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

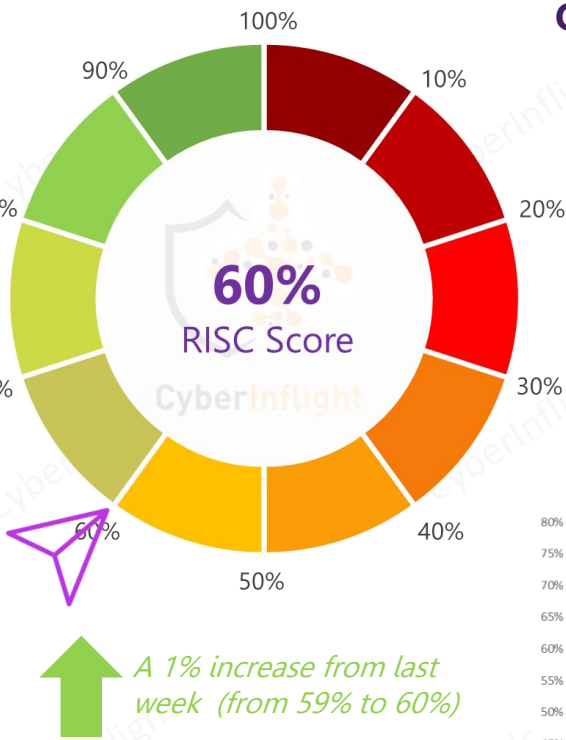
Overview & Resilience Index for Space Cybersecurity



RISC Score Evolution



After a peak in W17, there was a period of decline from W18 to W20. This W22 shows a slight increase in the RISC score, which is a tool to assess space cybersecurity resilience from the information category in this report.



This week's RISC score is 60%. From the 13th to the 15th, our CEO participated in the "Cybersecurity in Space" workshop, where he discussed international standards of space cybersecurity. This week, the French Air and Space Force jammed GPS signals for an exercise. In response to severe disruptions of GNSS signals in the Baltic region, the French Air and Space Force decided to apply countermeasures. On the technology front, Israel Aerospace Industries unveiled Compact ADA, an advanced system that protects avionics systems from GNSS jamming. In other news, DISC, the Canadian top-tier cybersecurity firm, proudly announced its new Space ISAC membership. They will collaborate with global space industry members to enhance our collective ability to prepare for and respond to threats. Due to an increase in the vulnerability of modern space-enabled systems, governments have to invest in space cybersecurity solutions. Additionally, there is an international movement to establish norms and standards to govern cyber conflicts. Furthermore, Agora High-Tech, CyberOps, and Flinders University have scheduled the second Australian Space Cyber Forum on June 26th. Lastly, Starlink's thirty-minute outage affected thousands of users worldwide on May 28th. However, the cause of this outage has not been explicitly stated.

CYBERINFLIGHT'S NEWS



Three-day workshop of the Bundesamt für Sicherheit in der Informationstechnik (BSI) "Cybersecurity in Space" expert group

On 13th to 15th of May, cybersecurity specialists met in the Berlin office of Infodas. The objective of this workshop was to develop measures to strengthen the cyber resilience of space systems. Our CEO Florent Rizzo discussed about international standards of space cybersecurity. **#BSI #Infodas**

Link: https://www.linkedin.com/posts/infodas_infodas-bsi-allianzfaesrcybersicherheit-activity-7199751107496017923-NniV/



GEOPOLITIC

New Zealand's first space minister sets out an ambitious space roadmap

New Zealand's first space minister, Dr. David Seymour, has set out an ambitious space roadmap for the nation's space sector. The roadmap aims to position New Zealand as a leading space power by 2030, with a focus on satellite-based services and space exploration.

Minister David Seymour

Link: [https://www.nz.govt.nz/news/press-releases/2024/05/06/first-space-minister-sets-out-ambitious-space-roadmap](#)



What to know about the "space-weapon" the US says Russia recently launched

The United States has identified a "space-weapon" that Russia recently launched. The weapon is believed to be a satellite-based system that can track and identify other satellites in orbit. This development has raised concerns about the potential for space-based warfare.

US officials

Link: [https://www.reuters.com/technology/defense-us-says-russia-launches-space-weapon-2024-05-27/](#)



New Hampshire Army and Air Guardmen tested digital battle skills during Cyber Train

The New Hampshire Army and Air Guardmen tested their digital battle skills during a Cyber Train exercise. The exercise focused on identifying and mitigating cyber threats in a simulated combat environment.

Cyber Train

Link: [https://www.nh.gov/newsroom/2024/05/27/cyber-train-exercise](#)



French Air and Space Force jams GPS signals for exercise

For several months now, GNSS signals have been severely disrupted in the Baltic region, affecting shipping and air traffic. One solution is to use a 'multi-constellation' satellite geolocation signal receiver (Galileo or GPS). Another is to apply countermeasures. This is the aim of the "Black Crown 24" exercise, launched by the French "Armée de l'Air et de l'Espace" (AAE) on May 27th. **#AAE #BlackCrown24**

Link: <https://www.opex360.com/2024/06/02/larmee-de-lair-et-de-lespace-brouille-les-signaux-gps-pour-un-exercice/>



TECHNOLOGY

US Space Systems Command Test Satellite Security

The US Space Systems Command (SSC) has conducted a test of satellite security. The test involved simulating a cyber attack on a satellite and testing the satellite's ability to detect and respond to the attack. The results of the test will be used to improve satellite security measures.

US Space Systems Command

European Space Agency (ESA) tests the first communication phase

The European Space Agency (ESA) has tested the first communication phase of its satellite communication system. The test involved sending and receiving data from a satellite in orbit. The results of the test will be used to improve the system's performance.

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



Israel Aerospace Industries introduces new jam-resistant GNSS system: Compact ADA

Israel Aerospace Industries (IAI) has unveiled Compact ADA, offering reduced Size, Weight and Power (SWaP), an advanced system that protects avionics systems for GNSS jamming. **#Israel #GNSS**

Link: <https://www.aviationtoday.com/2024/05/30/israel-aerospace-industries-introduces-new-jam-resistant-gnss-system-compact-ada-reduced-swap-for-airborne-tactical-platforms-may-30/>





MARKET & COMPETITION



DISC is a new member of Space ISAC

DISC announced last week it has officially joined Space ISAC. As a member, they will be collaborating with global members of the space industry to enhance our collective ability to prepare for and respond to vulnerabilities, threats and incidents. #SpaceISAC #DISC

Link: https://www.linkedin.com/posts/dominant-information-solutions-canada-disc-inc_spacecybersecurity-collaboration-cybersecurity-activity-7199752249374298112-8dhW?utm_source=share&utm_medium=member_desktop





TRAINING & EDUCATION

Space Cybersecurity Watch by CyberInflight
This article discusses the importance of cybersecurity in space operations and the challenges faced by space agencies and operators. It highlights the need for robust security measures to protect critical infrastructure and data in the space domain.

Link: [https://www.cyberinflight.com/news/2024/05/28/space-cybersecurity-watch-by-cyberinflight](#)

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Link: [https://www.cyberinflight.com/news/2024/05/28/space-cybersecurity-watch-by-cyberinflight](#)

Cyber Attack against Satellite
This article discusses a recent cyber attack on a satellite, highlighting the vulnerability of space-based systems to cyber threats. It emphasizes the need for enhanced security measures to protect satellite operations and data.

Link: [https://www.cyberinflight.com/news/2024/05/28/cyber-attack-against-satellite](#)

★ The second Australian Space Cyber Forum is scheduled

The Agora High-Tech, CyberOps and Flinders University has scheduled the 2nd Australian Space Cyber Forum on Wednesday 26th June 2024 at the Adelaide Convention Center. This event's second edition with national and international speakers will continue to have the following three Space Cyber topics: Technical best practices and challenges, Policy and legal challenges, & Future technologies and their impact on Space and Cyber. **#SpaceCyberForum #Australia**

Link: <https://events.humanitix.com/the-2nd-australian-cyber-space-forum>

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REGULATION

★ June 2024 – A guide to the latest developments in policy and innovation in space defense

Modern space-enabled systems, such as communication networks, infrastructure, grids, and GPS, are becoming more vulnerable. Cybersecurity is crucial to the survival of interconnected systems. Governments invest in encryption, intrusion detection systems, and secure communication protocols. There is also an international movement to establish norms and standards for responsible behavior and mitigation of cyber conflicts.

#SpaceDefense #Cybersecurity

Link: <https://exbulletin.com/tech/2719593/>





THREAT INTELLIGENCE

Ability to upgrade jamming capabilities being sought by Russian Space

The Russian Space Forces are reportedly seeking to upgrade their jamming capabilities to counter the growing number of satellites in orbit. This is part of a broader effort to enhance the Russian space force's ability to disrupt and deny access to space-based services. The Russian Space Forces are reportedly seeking to upgrade their jamming capabilities to counter the growing number of satellites in orbit. This is part of a broader effort to enhance the Russian space force's ability to disrupt and deny access to space-based services.



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US Space Force capabilities to upgrade jamming systems being sought by Russia



Starlink's brief outage impacts thousands of users worldwide, later resolved the issue within 30 minutes

On May 28, SpaceX's Starlink, the satellite internet phenomenon, experienced a brief but notable outage that impacted thousands of users across the globe. **#Starlink #Outage**

Link: <https://www.msn.com/en-us/news/technology/starlink-s-brief-outage-impacts-thousands-of-users-worldwide-later-resolved-the-issue-within-30-minutes/ar-BB1nnNy7?ocid=BingNewsSearch>

